

**COVE TRANSFER STATION SITES 1 AND 2  
ABANDONED URANIUM MINE WASTE REMOVAL ACTION REPORT  
NAVAJO NATION, COVE CHAPTER, APACHE COUNTY, ARIZONA**



**U.S. EPA TDD No.: TO-02-09-12-09-0001  
E & E Project No.: EE-002693-2199**

**February 2013**

**Prepared for:  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Emergency Response Section, Region 9  
75 Hawthorne Street  
San Francisco, California 94105**

**Prepared by:  
ECOLOGY AND ENVIRONMENT, INC.  
1940 Webster Street, Suite 100  
Oakland, California 94612**



# Table of Contents

Section	Page
<b>1 Introduction .....</b>	<b>1-1</b>
<b>2 Site Information .....</b>	<b>2-1</b>
2.1 Site Location and Description .....	2-1
2.1.1 Transfer Station 1 .....	2-1
2.1.1.1 TS1 North Excavation Zone .....	2-1
2.1.1.2 TS1 South Excavation Zone .....	2-1
2.1.2 Transfer Station 2 .....	2-3
2.1.3 Soil Borrow Source .....	2-3
2.1.4 Regional Background Site .....	2-3
2.2 Site Background .....	2-4
2.3 Previous Investigations .....	2-4
<b>3 Summary of Removal Activities .....</b>	<b>3-1</b>
3.1 Preconstruction Planning .....	3-1
3.1.1 Cultural Resources Surveys .....	3-1
3.1.2 Sampling and Analysis Plan .....	3-1
3.2 Air Sampling .....	3-1
3.3 Excavation and Backfill .....	3-9
3.3.1 TS1 North .....	3-9
3.3.2 TS1 South .....	3-13
3.3.3 TS2 .....	3-13
3.3.4 Soil Borrow Source .....	3-13
3.4 TS2 Stockpile Construction .....	3-14
<b>4 Laboratory Results and Gamma Activity Measurement Data .....</b>	<b>4-1</b>
4.1 Background Soil Sampling .....	4-1
4.2 Confirmation Surface Soil Sampling and Co-located One-Minute Gamma Activity Counts .....	4-2
4.2.1 QA/QC of Field Sampling Data .....	4-3
4.2.2 QA/QC of Field Gamma Activity Measurements .....	4-3
4.3 Correlation Study Between Ra-226 Confirmation Soil Sample Concentrations and Co-located One-Minute Gamma Activity Counts .....	4-4
4.4 Roving Gamma Activity Scan Data .....	4-7
4.4.1 TS1 North Gamma Activity Scan .....	4-8
4.4.2 TS1 South Gamma Activity Scan .....	4-8
4.4.3 TS2 Gamma Activity Scan .....	4-9



## Table of Contents (cont.)

Section	Page
4.4.4 Soil Borrow Source Gamma Activity Scan.....	4-10
<b>5 Discussion .....</b>	<b>5-1</b>
<b>6 References .....</b>	<b>6-1</b>
<b>Appendix</b>	
<b>A Site Photographs .....</b>	<b>A-1</b>
<b>B Cultural Resources Report.....</b>	<b>B-1</b>
<b>C Sampling and Analysis Plan .....</b>	<b>C-1</b>
<b>D Air Sampling Data .....</b>	<b>D-1</b>
<b>E Laboratory Analytical Reports and Data Validation Reports for Soil Sampling Data .....</b>	<b>E-1</b>
<b>F Gamma Activity Scan Data.....</b>	<b>F-1</b>





# List of Tables

Table	Page
1 Estimated Excavation and Backfill Areas and Volumes, Cove Transfer Station Sites 1 and 2 AUMW Removal Action.....	3-9
2 Correlation Data for Ra-226 Soil Concentrations and Co-Located One-Minute Gamma Activity Count, Cove Transfer Station Sites 1 and 2 AUMW Removal Action.....	4-2
3 Statistics for Gamma Activity Scan Data, Cove Transfer Station Sites 1 and 2 AUMW Removal Action .....	4-7



# List of Figures

Figure	Page
1 Site Location Map .....	1-2
2 Site Features Map .....	2-2
3 Transfer Station 1 Air Sampling Locations .....	3-3
4 Transfer Station 2 Air Sampling Locations .....	3-4
5 Transfer Station 1 North Excavation Zone Average Daily Alpha Activity Concentrations in Airborne Particulate Samples .....	3-5
6 Transfer Station 1 South Excavation Zone Average Daily Alpha Activity Concentrations in Airborne Particulate Samples .....	3-6
7 Transfer Station 2 Excavation Zone Average Daily Alpha Activity Concentrations in Airborne Particulate Samples .....	3-7
8 Cove Day School Average Daily Alpha Activity Concentrations in Airborne Particulate Samples .....	3-8
9 Transfer Station 1 North Excavation Zone Post Remediation Surface Gamma Activity .....	3-10
10 Transfer Station 1 South Excavation Zone Post Remediation Surface Gamma Activity .....	3-11
11 Transfer Station 2 Post Remediation Surface Gamma Activity .....	3-12
12 Soil Borrow Source Surface Gamma Activity .....	3-15
13 Transfer Station 2 Constructed Stockpile Detail .....	3-16
14 Correlation Data Graph for Ra-226 Soil Concentrations and Co-Located One- Minute Gamma Activity Count .....	4-6



## List of Abbreviations and Acronyms

AUM	Abandoned Uranium Mine
AUMW	Abandoned Uranium Mine Waste
bgs	below ground surface
cpm	counts per minute
Cs-137	Cesium-137
DAC	derived air concentration
DCGL	derived concentration guidance level
DQOs	Data Quality Objectives
E & E	Ecology and Environment, Inc.
ERRS	Emergency and Rapid Response Services
ERS	Emergency Response Section
ERT	Emergency Response Team
ft <sup>2</sup>	square feet
HASL	US Department of Energy Health and Safety Laboratory
Kerr-McGee	Kerr-McGee Oil Industries, Inc.
MARRSIM	Multi-Agency Radiation Survey and Site Investigation Manual
NaI	Sodium Iodide
NAMLRP	Navajo Abandoned Mine Land Reclamation Program
NNEPA	Navajo Nation Environmental Protection Agency
pCi/g	picocuries per gram
PRG	Preliminary Remediation Goal
QA	quality assurance
QC	quality control
R	Correlation Coefficient
R <sup>2</sup>	Coefficient of Determination
Ra-226	Radium-226
Ra-226+d	Ra-226 and daughter progeny



## List of Abbreviations and Acronyms (cont.)

RAT	Rapid Assessment Tool
RPD	Relative Percent Difference
SAP	sampling and analysis plan
START	Superfund Technical Assessment and Response Team
TDD	Technical Directive Document
Th-230	Thorium-230
TS1	Transfer Station 1
TS2	Transfer Station 2
U.S. EPA	United States Environmental Protection Agency
yd <sup>3</sup>	cubic yards
μCi	microcurie
μCi/cc	microcuries per cubic centimeter
μR/hr	micro roentgens per hour



# 1 Introduction

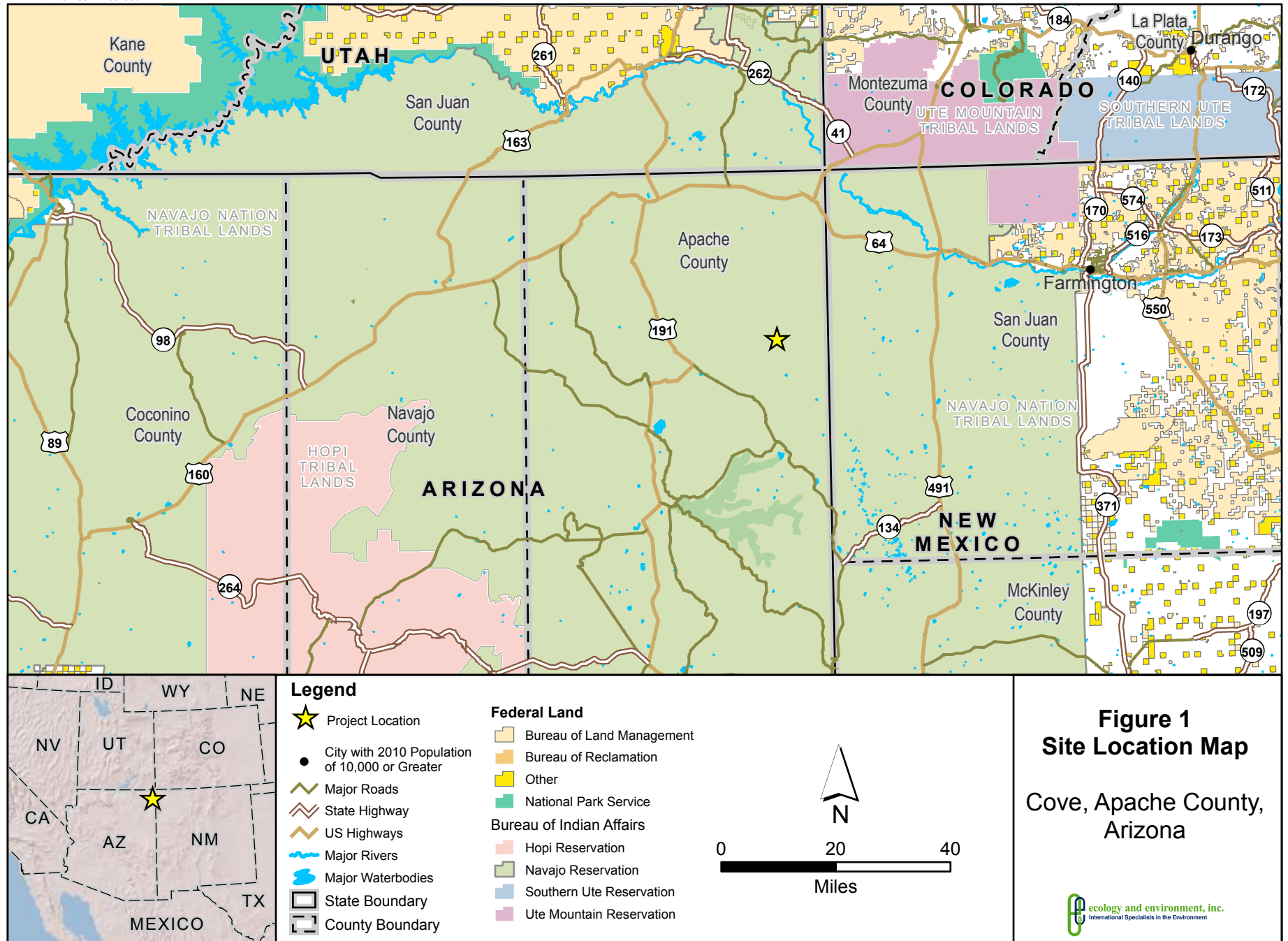
The United States Environmental Protection Agency (U.S. EPA) Region 9 Emergency Response Section (ERS) tasked Ecology and Environment, Inc.'s (E & E's) Superfund Technical Assessment and Response Team (START) to support a U.S. EPA-funded removal action at the Cove Transfer Station 1 (TS1) and Cove Transfer Station 2 (TS2) sites located in the Cove Chapter of the Navajo Nation, Apache County, Arizona.

Between November 2011 and August 2012, the U.S. EPA and E & E START collected data from both TS1 and TS2 related to the presence of residual abandoned uranium mine waste (AUMW). The data collection efforts were part of a U.S. EPA removal assessment documented in the reports *Cove Transfer Station Sites 1 and 2, Abandoned Uranium Mine Waste Removal Assessment Report, Cove, Apache County, Arizona*, February 2012 (E & E, 2012a); and, *Cove Transfer Station 1 (TS1) Field Assessment; Addendum Letter Report to the Cove Transfer Station Sites 1 and 2 Abandoned Uranium Mine Waste Removal Assessment Report, Cove, Apache County, Arizona*, August 2012 (E & E, 2012b). The results from these removal assessments were used to define areas of concern at both TS1 and TS2 where a removal action would be required to mitigate elevated concentrations of radioisotopes in soils.

Based on the 2011 through 2012 removal assessment data, the U.S. EPA Region 9 ERS determined that a soil removal action was required at the TS1 and TS2 sites to mitigate potential human health and environmental exposure risks from AUMW. The purpose of the 2012 removal action performed by U.S. EPA and the START and Emergency and Rapid Response Services (ERRS) contractors was to reduce the risks to potential receptors by reducing the activity concentrations of radioisotopes in surface and shallow subsurface soils that are present due to historic uranium mining; to confirm that gamma radiation activity concentrations in soils remaining after the removal action were below the established Derived Concentration Guidance Level (DCGL) in areas that pose the greatest potential for human health risks; and to ensure that no off-site migration of airborne particulate contaminants above the Derived Air Concentration (DAC) occurred during the removal activities.

This document summarizes the 2012 soil removal actions and the confirmation soil sampling conducted in the removal areas at TS1 and TS2. Removal action work described herein was performed by START under Technical Directive Document (TDD) number TO-02-09-12-09-0001.







## 2 Site Information

### 2.1 Site Location and Description

The areas of concern addressed during this removal action include the TS1 and TS2 sites. The regional site location is shown as Figure 1. Site locations for TS1, TS2, the regional background site, and the soil borrow source are shown on Figure 2 and described below. Photographic documentation of each site location is included as Appendix A.

#### 2.1.1 Transfer Station 1

The TS1 area of concern identified during the November 2011 and April 2012 removal assessments (E & E, 2012a; E & E, 2012b) was divided into two separate excavation zones that were subsequently identified as the TS1 North excavation zone and the TS1 South excavation zone.

##### 2.1.1.1 TS1 North Excavation Zone

The TS1 North excavation zone occupies approximately 5.45 acres of land and consists of undeveloped grazing land, one single-family residential homesite, and a residential access road running from south to north for approximately 550 feet. Topography at the TS1 North excavation zone is largely characterized by an approximately 2:1 to 3:1 (horizontal to vertical) western-facing slope beginning at the eastern-center portion of the site and descending to the west, and then leveling in areas ranging in length between approximately 150 feet and 50 feet before reaching the Navajo Route 33 right-of-way drainage ditch. Except for an eastern-facing slope located immediately east of the residential structure, the slopes in the eastern portion of the site are relatively shallow.

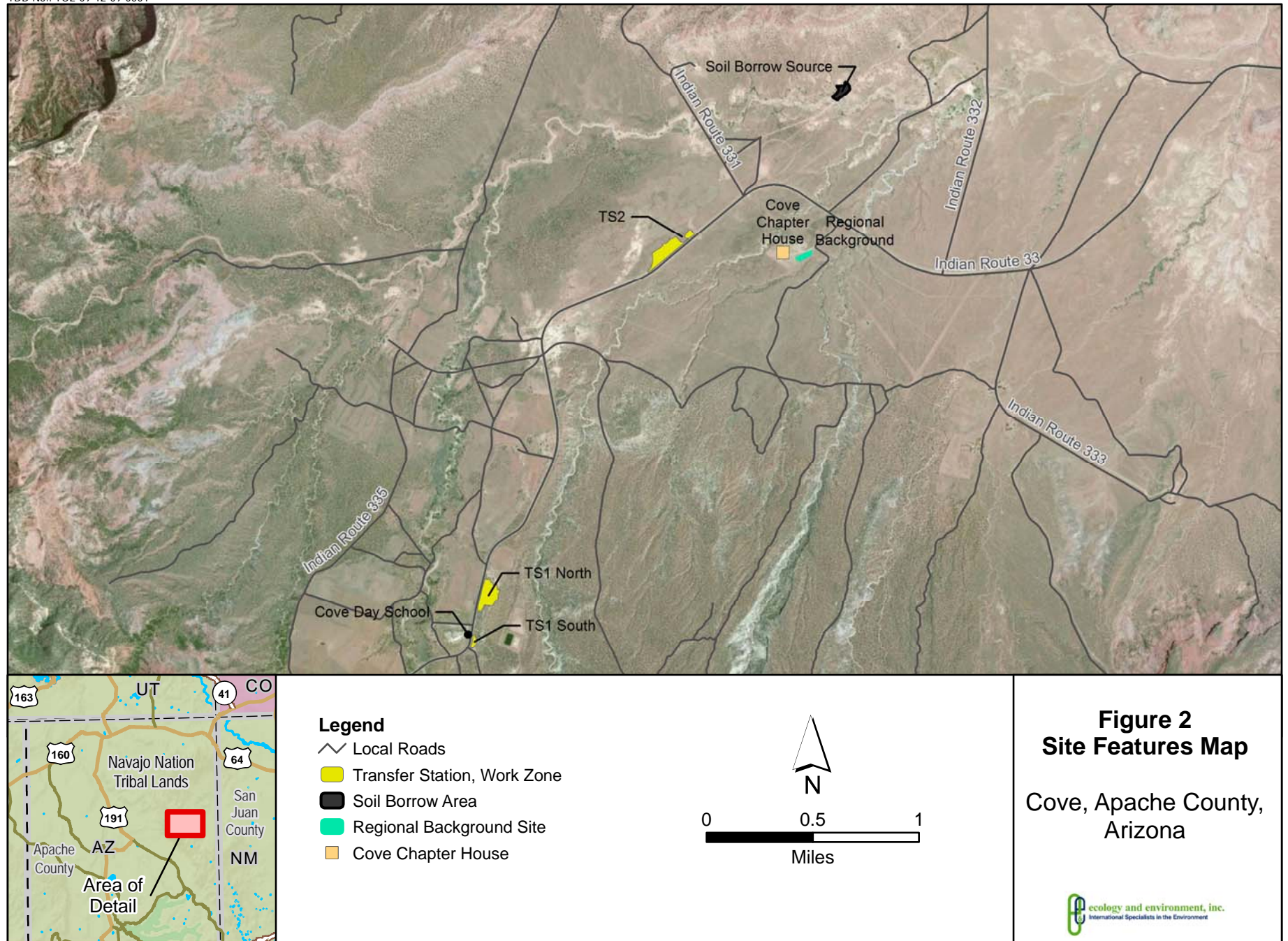
The excavation zone is bordered to the north by two additional single-family residential homesites, to the west by Navajo Route 33, and to the south and east by undeveloped open grazing land. Land use west of Navajo Route 33 is agricultural. The Cove Day School is located approximately 0.15 miles to the south of the excavation zone. The geographic coordinates for the approximate center of TS1 North are 36° 33' 41.00" North latitude and 109° 13' 00.00" West longitude, with an approximate ground surface elevation of 6,448 feet above sea level (Google™ Earth, aerial imagery).

##### 2.1.1.2 TS1 South Excavation Zone

The TS1 South excavation zone addressed during this removal action occupies approximately 0.66 acres of undeveloped grazing land in the Navajo Nation, Cove Chapter. The area is largely characterized as level land with a slight western slope and small erosional trench that drain west before reaching the Navajo Route 33 right-of-way drainage ditch.

The excavation zone is bordered to the north by undeveloped open grazing land with the southern boundary of TS1 North approximately 600 feet beyond, to the west by Navajo Route 33 and then the Cove Day School property, and to the south and east by an unpaved access road and then undeveloped open grazing land. The geographic coordinates for the approximate center of TS1 South are 36° 33' 30.08" North latitude and 109° 13' 03.45" West longitude, with an approximate ground surface elevation of 6,489 feet above sea level (Google™ Earth, aerial imagery).







**2.1.2 Transfer Station 2**

The TS2 area of concern identified during the November 2011 removal assessment (E & E, 2012a) was utilized to construct a stockpile for contaminated soils and natural vegetation removed from the TS1 North and TS1 South excavation zones, and the TS2 excavation zone located around the perimeter of the stockpile. Prior to capping the contaminated soil stockpile, vegetation removed from the excavation zones was washed to remove soils with elevated gamma activity measurements and shredded using a large capacity wood chipper. Chipping operations were located approximately 175 feet north of the TS2 excavation zone.

The TS2 stockpile area utilized for contaminated soil and vegetation placement occupies approximately 2.25 acres, and the excavation zone and vegetation chipping zone located around the perimeter of the stockpile occupies approximately 3.77 acres, for a total area of approximately 6.02 acres of undeveloped grazing land. The topography at TS2 is characterized as level land that is immediately bordered to the east and southeast by Navajo Route 33 and vacant land in all other surrounding directions. At the time of this removal action, no residential homesites were located within an approximate 0.3 mile radius of the site. The geographic coordinates for the approximate center of TS2 are 36° 35' 05.70" North latitude and 109° 12' 01.73" West longitude, with an approximate ground surface elevation of 6,112 feet above sea level (Google™ Earth, aerial imagery).

**2.1.3 Soil Borrow Source**

The soil borrow source was used to procure clean backfill for capping material in removal excavation zones occupies approximately 2.18 acres of undeveloped grazing land. The area is largely characterized as level land that is immediately bordered to the southeast by an unpaved access road, a surface water drainage arroyo immediately to the south, and vacant land in all other directions. The soil borrow source is located approximately 1.2 miles northeast of TS2. The geographic coordinates for the approximate center of the soil borrow source are 36° 35' 43.57" North latitude and 109° 11' 08.54" West longitude, with an approximate ground surface elevation of 6,003 feet above sea level (Google™ Earth, aerial imagery, 2012).

**2.1.4 Regional Background Site**

The regional background site utilized during this removal action was selected during the initial November 2011 removal assessment (E & E, 2012a) and has been utilized as the background site during each subsequent U.S. EPA project phase. Selection of the background site was based on guidelines set forth by the U.S. EPA and Navajo Nation Environmental Protection Agency (NNEPA) as the *Background Location Selection Criteria, Prepared by U.S. EPA and NNEPA*, April 1, 2010 (U.S. EPA and NNEPA, 2010).

The background site occupies approximately 2 acres of undeveloped, open land in the Navajo Nation, Cove Chapter. The area is largely characterized as level land located approximately 1,300 feet southwest of Navajo Route 33 on the Navajo Cove Chapter House property, approximately 300 feet south of the Chapter House. The geographic coordinates for the approximate center of the regional background site are 36° 35' 03.35" North latitude and 109° 11' 20.5" West longitude, with an approximate ground surface elevation of 6,053 feet above sea level (Google™ Earth, aerial imagery, 2012).



## **2.2 Site Background**

Portions of the Navajo Nation are located on geologic formations rich in radioactive uranium ores. Beginning in the 1940s, widespread mining and milling of uranium ore on Navajo Nation tribal lands for national defense and energy purposes led to a legacy of abandoned uranium mines (AUM) and AUMW sites. Historic operations at the Cove TS1 and TS2 sites included stockpiling of uranium-bearing ore from mines located in the nearby Lukachukai Mountains. In May 1952, Kerr-McGee Oil Industries, Inc. (Kerr-McGee) acquired property in the Lukachukai Mountains for construction of their Navajo Uranium Division and began to actively mine uranium-bearing ore in the region. In October 1954, the Kerr-McGee field camp was moved from the nearby Mesa No. 1 mine to TS1. The Kerr-McGee mining operations field camp included several prefabricated structures that were used for field administrative offices to house and service employees and to maintain fleet vehicles. During this period, uranium-bearing ore deposits from the company-run Lukachukai mines were brought down the mountain and stockpiled at the TS1 and TS2 sites. The ore was then loaded from stockpiles at TS1 and TS2 and shipped approximately 40 miles to the Shiprock Mill for processing. The stockpiled ore is believed to have primarily come from the Mesa No. 2 mine, which produced approximately 5,000 tons of high-vanadium carnotite-tyuyamunite ore per month and was the most productive mine in the region. It is assumed that operations at TS1 and TS2 ceased no later than 1968 since the final shipments of ore were removed from the Lukachukai Mountains in May 1968. Site background information was compiled from the Preliminary Assessment Report for TS1, *Preliminary Assessment Report, Cove Transfer Station, Cove, Arizona* prepared by Weston Solutions, Inc. dated August 2007 (Weston, 2007).

## **2.3 Previous Investigations**

The U.S. EPA Region 9 began its AUM Project in 1994 to determine if former uranium mining located on the Navajo Nation posed a threat to human health or the environment. Over the course of this investigation, which lasted through January 2000, aerial radiation surveys were conducted over 1,194 square miles. In addition, over 200 water sources used for human consumption were identified and analyzed for radiation and related metal concentrations. The aerial radiation survey of the Lukachukai Mountain region identified TS1 and TS2 as having elevated radiation levels.

Information regarding investigations prior to the November 2011 U.S. EPA removal assessment was compiled from the Preliminary Assessment Report for TS1 (Weston, 2007). A radiological survey was conducted at TS1 by NNEPA personnel on July 23, 2003. One hundred thirty-four measurements were collected across the site from one meter above ground surface using a hand-held radiation survey meter. Approximately 72 percent of these measurements were at least two times greater than the established background level of 14 micro roentgens per hour ( $\mu\text{R/hr}$ ). The highest recorded value at the site was 400  $\mu\text{R/hr}$ , which was collected from an unvegetated, discolored area at the central portion of the site (Weston, 2007).

Following the 2003 NNEPA radiological survey, the Navajo Abandoned Mine Land Reclamation Program (NAML RP) conducted a removal action at TS1 between July 2003 and July 2004. The NAML RP staff surveyed the site prior to conducting the removal action to determine areas of elevated radiation. These areas, which totaled between 1 and 2 acres, were then excavated and the soils were transported back to the Lukachukai mines. Additional details of this removal action are unknown (Weston, 2007).



## 2. Site Information

NNEPA staff returned to the TS1 site on July 9, 2004, to conduct an additional radiological survey following the NAMLRP removal action. Radiological readings collected during this survey, which was performed using the same radiation meter as the previous NNEPA survey to minimize variance in gamma activity measurements, ranged from 15 to 30  $\mu\text{R/hr}$ . Two areas, each less than 3 square feet ( $\text{ft}^2$ ), were identified as having elevated levels of radiation (100 and 150  $\mu\text{R/hr}$ ). These areas were located at the western portion of the property along the fence line and were not included in the NAMLRP removal action (Weston, 2007).

A tabulated data set of a previous investigation at TS2 was provided by NNEPA to E & E during the November 2011 removal assessment field activity. According to this data set, a radiological survey was conducted at TS2 by NNEPA personnel on October 19, 2005. Two hundred eighty-eight measurements were collected across the site from 1 meter above ground surface using a hand-held radiation survey meter. Approximately 67 percent of these measurements were at least two times greater than the established background level of 14  $\mu\text{R/hr}$ . The highest recorded value at the site was 330  $\mu\text{R/hr}$ , which was collected from an unvegetated, discolored area at the central portion of the site.

Based on these results, the U.S. EPA Region 9 ERS funded and conducted a removal assessment at TS1 and TS2 between November 2011 and August 2012 (E & E, 2012a and E & E, 2012b).

During the U.S. EPA removal assessment, a site-specific DCGL was used to screen the risk to human health from Radium-226 (Ra-226) concentrations in soil at the TS1 and TS2 sites. The DCGL is defined by the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) as *a radionuclide-specific surface or volume residual radioactivity level that is related to a concentration dose or risk criterion* (MARSSIM, 2000). MARSSIM was composed under the U.S. EPA, the Nuclear Regulatory Commission, and the Department of Energy, who are responsible agencies for the release of radioactive sites following their cleanup; it is intended to provide a nationally consistent consensus approach for conducting radiation surveys and investigations at potentially contaminated sites for federal, state, and local agencies. DCGLs may be developed with U.S. EPA guidance using default modeling input parameters, such as the current U.S. EPA Preliminary Remediation Goal (PRG), or by using site-specific modeling parameters (e.g., exposure pathways, contamination zones, and land-use).

The DCGL for both TS1 and TS2 were established by using the baseline U.S. EPA excess risk level for Ra-226 and daughter progeny (Ra-226+d) for residential soils. To establish a site-specific DCGL, the U.S. EPA PRG for residential soil at a  $10^{-4}$  excess risk level for Ra-226+d of 1.21 picocuries per gram (pCi/g) was added to the average detected background soil concentration for Ra-226 of 0.79 pCi/g to produce a site-specific DCGL of 2.0 pCi/g at both TS1 and TS2. The baseline PRG for Ra-226+d in residential soils (1.21 pCi/g) assumes a 30-year risk exposure period to persons living at contaminated sites. Ra-226 was selected as the proxy indicator for all radioisotopes in the uranium decay chain since it is the only radioisotope in the decay chain with well-established risk versus dose data.

Results from the U.S. EPA TS1 removal assessment indicated that surface soils with gamma activity measurements corresponding to Ra-226 soil concentrations were elevated slightly above the DCGL to the west, south, and east of the on-site residence and at areas near residual uranium-bearing ore throughout the site. Surface soils with gamma activity measurements



## 2. Site Information

corresponding to Ra-226 soil concentrations greater than twice the DCGL were primarily located along the western facing slope of TS1; immediately adjacent to, west of, and south of the on-site residence; in the northern portion of the study area; and near the western site boundary along the existing barbed wire fence and within the Navajo Route 33 drainage ditch. Based on the lack of highly impacted subsurface soils at TS1, the data suggested that surface deposition of AUMW was the source of the radioactivity and indicated that the vertical extent of elevated Ra-226 soil concentrations were primarily confined within the upper 12 inches of soil. Based on the U.S. EPA-established DCGL of 2.0 pCi/g, the removal assessment boundary impacted by AUMW at TS1 was estimated to be approximately 339,087 ft<sup>2</sup>, with an estimated average depth of 1 foot, for a total soil removal volume of approximately 12,559 cubic yards (yd<sup>3</sup>) (E & E, 2012a and E & E, 2012b).

Results from the U.S. EPA TS2 removal assessment indicated that surface soils with gamma activity measurements corresponding to Ra-226 soil concentrations were elevated slightly above the DCGL in areas surrounding the central portion of the TS2 site and within the east and west drainage ditches located along Navajo Route 33. Surface soils with gamma activity measurements corresponding to Ra-226 soil concentrations greater than twice the DCGL were primarily located in the central portion of TS2. Based on the lack of highly impacted subsurface soils at TS2, the data suggested that surface deposition of AUMW was the source of radioactivity and indicated that the vertical extent of elevated Ra-226 concentrations were primarily confined within the upper 12 inches of soil. Based on the U.S. EPA-established DCGL of 2.0 pCi/g, the removal assessment boundary impacted by AUMW at TS2 was estimated to be approximately 275,761 ft<sup>2</sup>, with an estimated average depth of 1 foot, for a total soil removal volume of approximately 10,213 yd<sup>3</sup> (E & E, 2012a).



# 3 Summary of Removal Activities

The following sections describe field activities performed by the U.S. EPA and the START and ERRS contractors between September 2012 and November 2012. During this AUMW removal action, roving surface gamma activity scans, confirmation soil sampling and associated one-minute gamma activity counts were performed at each excavation zone to document that soils impacted with Ra-226 above the DCGL had been effectively removed within areas that potentially pose the greatest threat to human health exposure risks. Perimeter and work zone airborne particulate sampling was used to document that off-site migration of the contaminants of potential concern at unacceptable concentrations did not occur, and therefore, that there was no unacceptable exposure to nearby residents, workers, or the general public.

## 3.1 Preconstruction Planning

### 3.1.1 Cultural Resources Surveys

On August 23, 2012, CSWTA, Inc. conducted a cultural resources inventory survey on a total of 13.22 acres of land in the TS1 and TS2 project areas. CSWTA, Inc. examined all exposed ground surfaces and specifically identified areas of erosion and deflation. The project area was surveyed by sub-parallel pedestrian transects spaced 10 to 12 meters apart. No cultural resources, traditional cultural properties, or sacred places were inventoried by CSWTA, Inc. during the survey. No collections were made during the survey. The results of the survey are in CSWTA Inc.'s August 28, 2012 report titled, "*A Cultural Resources Inventory Survey for Two Transfer Station Uranium Contamination Cleanup Project in Cove, Apache County, Arizona*" (CSWTA, 2012). A copy of the cultural resources survey report is included under Appendix B.

### 3.1.2 Sampling and Analysis Plan

Prior to mobilization of the removal action, the START prepared a project specific Sampling and Analysis Plan (SAP) titled, "*Sampling and Analysis Plan, Cove Transfer Station Sites 1 and 2, Abandoned Uranium Mine Waste Removal Action, Navajo Nation, Cove Chapter, Apache County, Arizona*" (E & E, 2012c). The SAP described the projects data quality objectives (DQOs), data collection rationale, quality assurance (QA) goals, and requirements for air and soil sampling and analysis activities. It also defined the sampling and data collection methods that were used during this removal action. A copy of the SAP is included under Appendix C.

## 3.2 Air Sampling

Prior to initiation of dust-generating activity in contaminated excavation zones, four air sampling pumps were setup at TS1 on September 17 and September 18, 2012, and one air sampling pump was set up at TS2 on September 19, 2012, and run for approximately 8 to 10 hours (i.e., a standard work day) in order to establish background airborne particulate alpha activity concentrations that were naturally occurring and unrelated to the removal action.

Airborne particulate sampling was performed during all removal activity that had the potential to generate dust containing radioisotopes. In general, three to four air sampling pumps were set up around the excavation zone perimeter and one air sampling pump was set up within the excavation zone where activities were occurring that had potential to generate contaminated dust. Air sampling pumps were set up at each work zone in a formation that allowed at least one pump to be located in the downwind direction. In addition, air sampling pumps were set up between the TS1 North



### 3. Summary of Removal Actions

excavation zone and the two residential homesites located immediately north when contaminated dust had the potential to migrate north toward the homesites. Air sampling pumps were also set up between the TS1 North and TS1 South excavation zones and the Cove Day School when contaminated dust had the potential to migrate towards the school. In order to collect more representative data, air sampling locations were shifted as the actual excavation work zone boundaries changed. An on-site weather station located at the field laboratory was used to record weather data and monitor wind direction during all removal activity. The various air sampling locations for each excavation zone are shown on Figures 3 and 4, respectively.




In general, immediately prior to the excavation activity each day, a new 47-millimeter diameter borosilicate glass-fiber filter was loaded into each sampling pump filter head. A calibrated flow measurement device was connected to the sampling pump filter head, the pump was started and the initial flow rate was confirmed to be running at the established method collection flow rate of 2.3 cubic feet per minute and recorded in the field log. After confirming the initial flow rate for each sampling pump, the flow-measurement device was removed and the sample pump was set up to collect a daily airborne particulate sample. Each sample pump and generator were periodically checked to ensure that the systems were operating correctly (i.e., correct flow rates) and that loose dust was not accumulating on the surface of the filter. If loose dust was observed on the filter, a final flow rate was measured and recorded, the filter was collected for analysis, and a new filter was placed into service. If no loose dust was observed, the final flow rates were measured and the filters were collected daily at the completion of dust-generating activities.

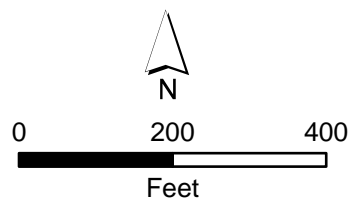
Airborne particulate samples were analyzed in an established field laboratory by counting the gross alpha activity on each sample filter using a Ludlum Model 3030 Alpha/Beta Counter. The alpha count, total flow rate, and run time for each air sampling pump were used to calculate the estimated gross alpha activity concentrations in airborne particulate samples. Alpha activity concentrations were compared to the Nuclear Regulatory Commission's DAC annual limits on intake values as listed in Appendix B to 10 Code of Federal Regulations, Part 20. The DAC value is the allowable intake limit for a worker at a nuclear facility in a typical 2,000-hour work year. Depending on the amount of time that had elapsed between sample collection and sample analysis, alpha activity concentrations were variously compared to the values for Ra-226 and Thorium-230 (Th-230). Each sample was generally counted three times. The first count was typically performed immediately after sample collection, and the associated DAC from this measurement was compared to the DAC for Ra-226. Subsequent counts were respectively performed on the next two working days. The final alpha activity count for each sample was compared to 10 percent of the DAC value for Th-230 of  $3 \times 10^{-13}$  microcuries per cubic centimeter ( $\mu\text{Ci/cc}$ ). The DAC for Th-230 was selected because it was the most conservative DAC value for any radioisotope expected to occur at detectable levels during the removal action. Alpha activity concentrations did not exceed 10 percent of the Th-230 DAC value, and no worker exceeded 2,000 hours on site. The data indicated that no unacceptable exposures occurred either within or at the perimeter of any excavation zone, for alpha radiation. A graph of the average daily gross alpha activity concentration in airborne particulate samples collected at each excavation zone and the Cove School is shown on Figures 5 through 8, respectively. Daily air sampling data (i.e., field data sheets) including flow rate and run time, estimated alpha activity concentrations in ambient air, and other pertinent data are included as Appendix D.





### Legend

-  Air Sampling Location
-  Fence Line
-  Excavation Zone






**Figure 3**  
Transfer Station 1  
Air Sampling Locations

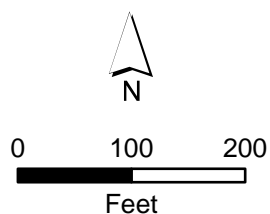
Cove, Apache  
County, Arizona





#### Legend

-  Air Sampling Location
-  Fence Line
-  Excavation Zone

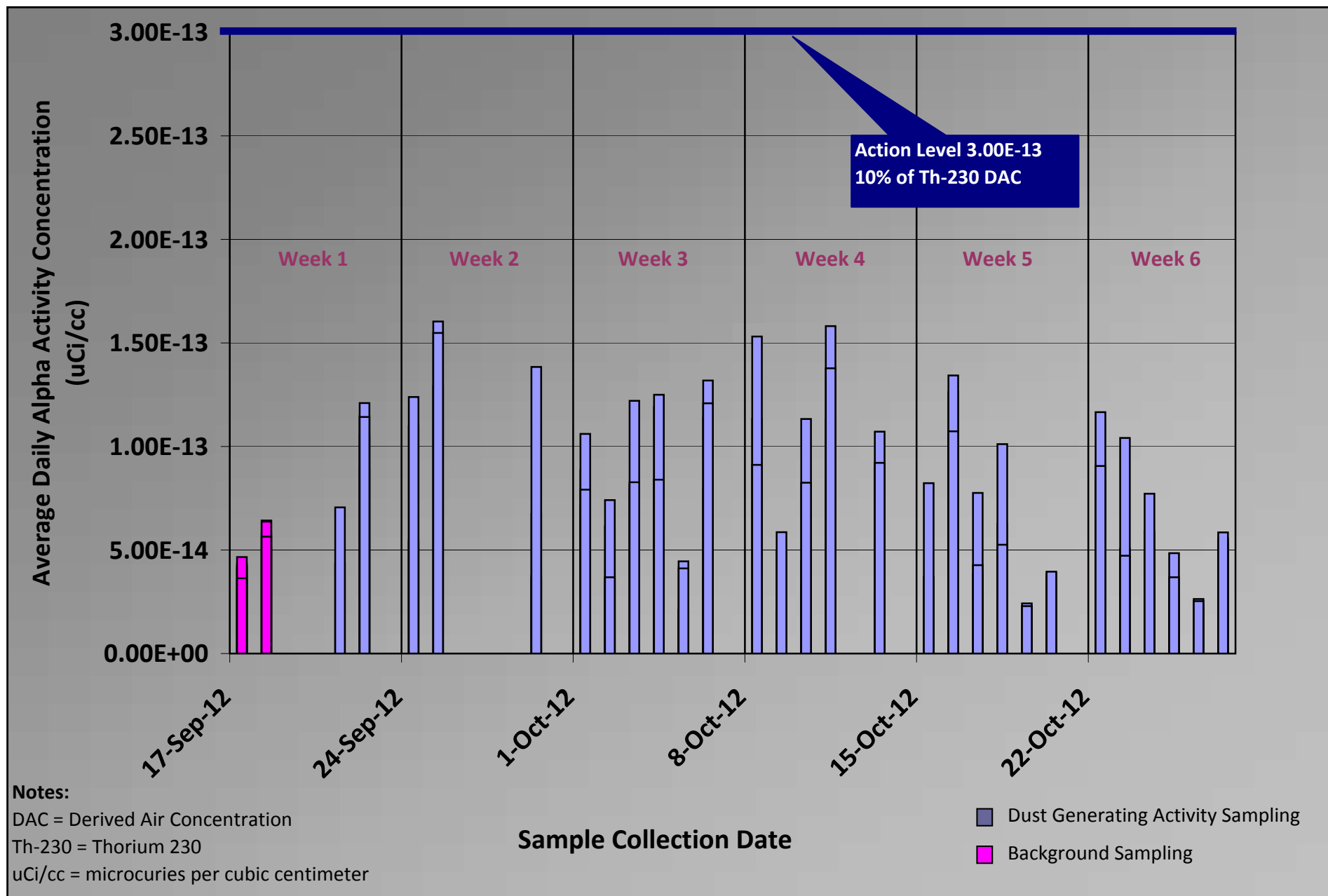


**Figure 4**  
Transfer Station 2  
Air Sampling Locations

Cove, Apache  
County, Arizona

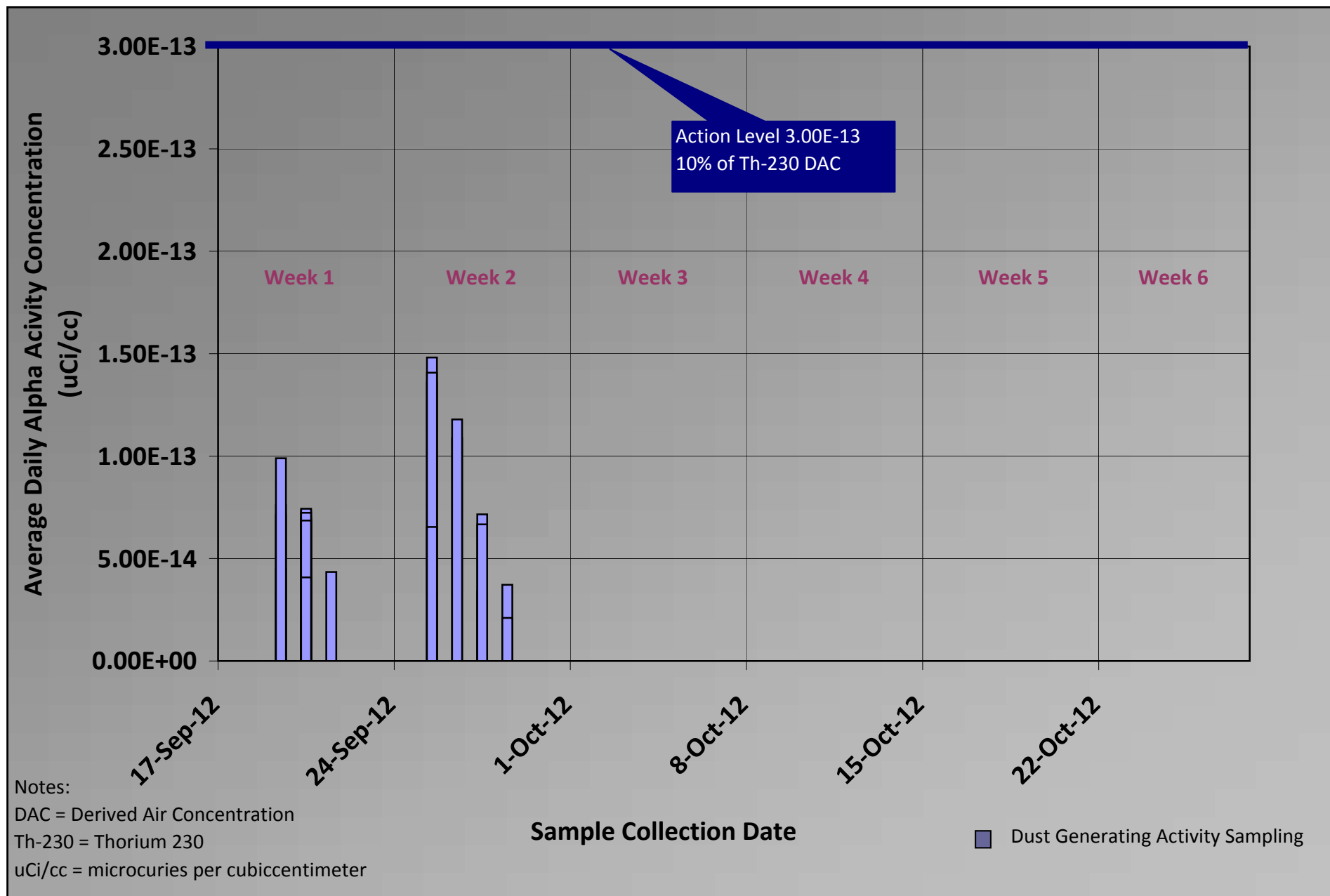


**Figure 5. Transfer Station 1 North Excavation Zone**  
**Average Daily Alpha Activity Concentrations in Airborne Particulate Samples**  
 Cove Transfer Station Sites 1 and 2 AUMW Removal Action



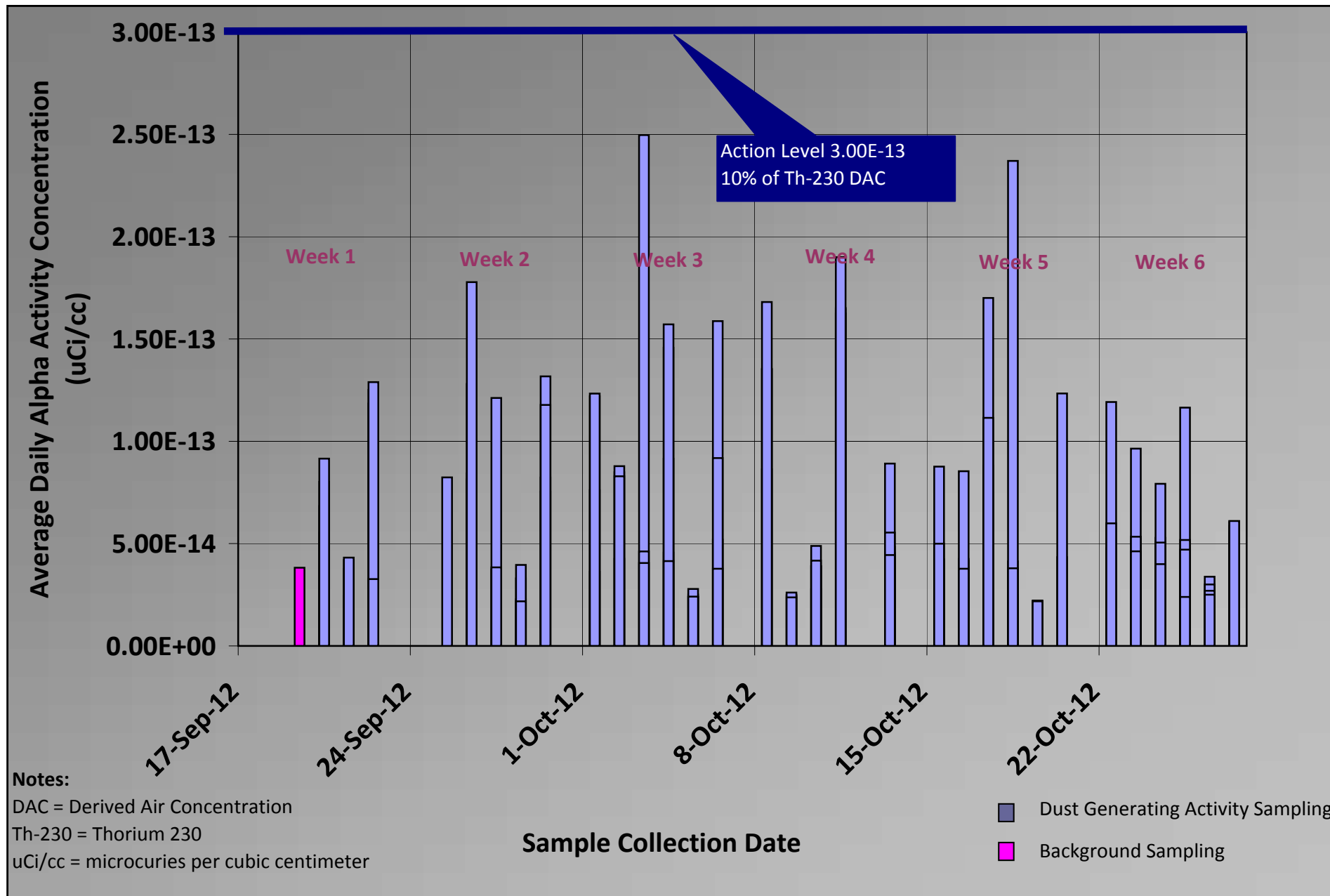


**Figure 6. Transfer Station 1 South Excavation Zone**  
**Average Daily Alpha Activity Concentrations in Airborne Particulate Samples**  
 Cove Transfer Station Sites 1 and 2 AUMW Removal Action



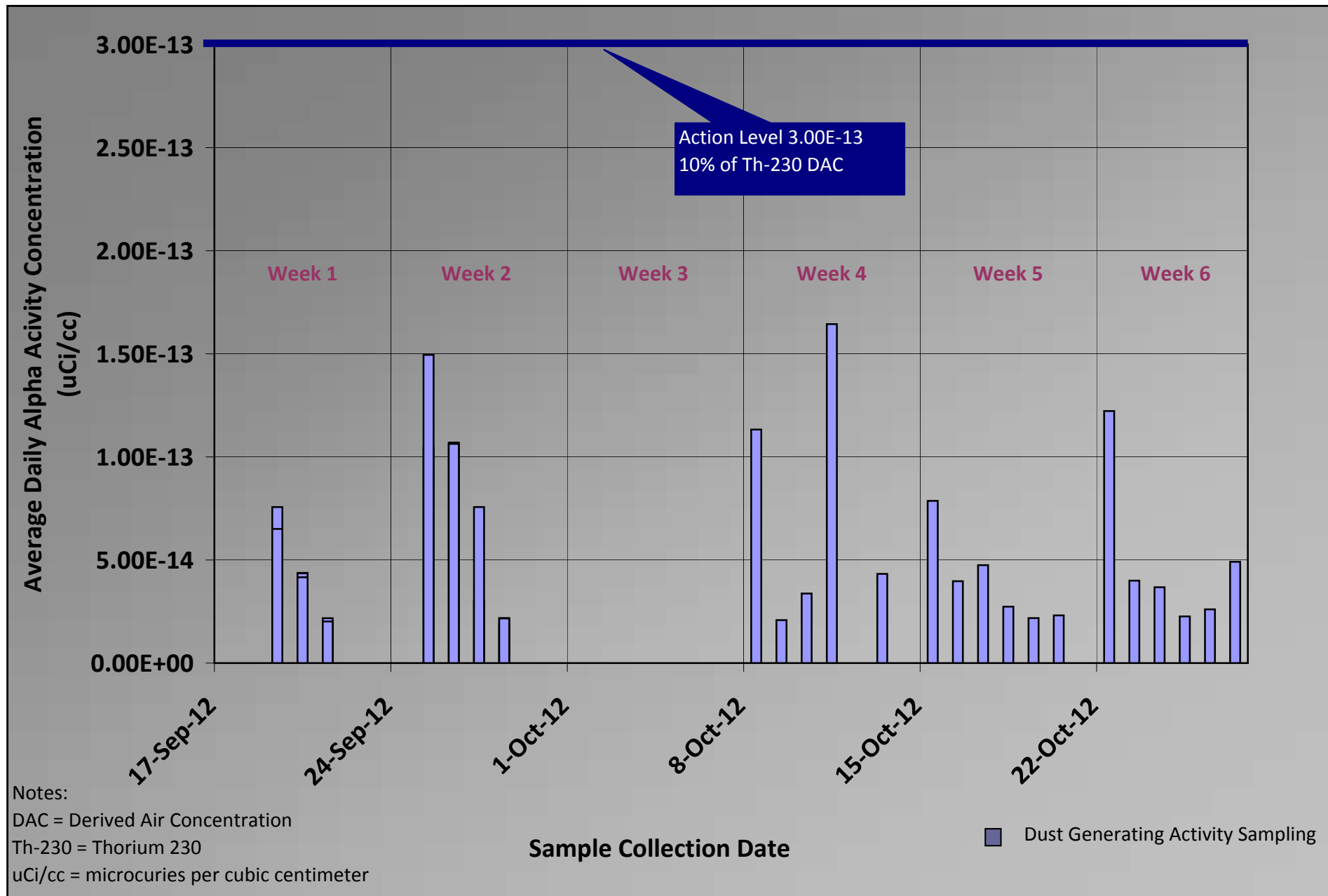


**Figure 7. Transfer Station 2 Excavation Zone**  
**Average Daily Alpha Activity Concentrations in Airborne Particulate Samples**  
 Cove Transfer Station Sites 1 and 2 AUMW Removal Action





**Figure 8. Cove Day School**  
**Average Daily Alpha Activity Concentrations in Airborne Particulate Samples**  
 Cove Transfer Station Sites 1 and 2 AUMW Removal Action





### 3. Summary of Removal Actions

In addition to the daily review by START personnel, personnel from the U.S. EPA Environmental Response Team (ERT) in Cincinnati, Ohio mobilized to the site from September 17 through September 22, 2012. ERT personnel inspected sampling equipment and procedures as part of a quality assurance/quality control (QA/QC) program intended to validate methods and procedures. No major exceptions to the SAP or air sampling program were noted.

#### 3.3 Excavation and Backfill

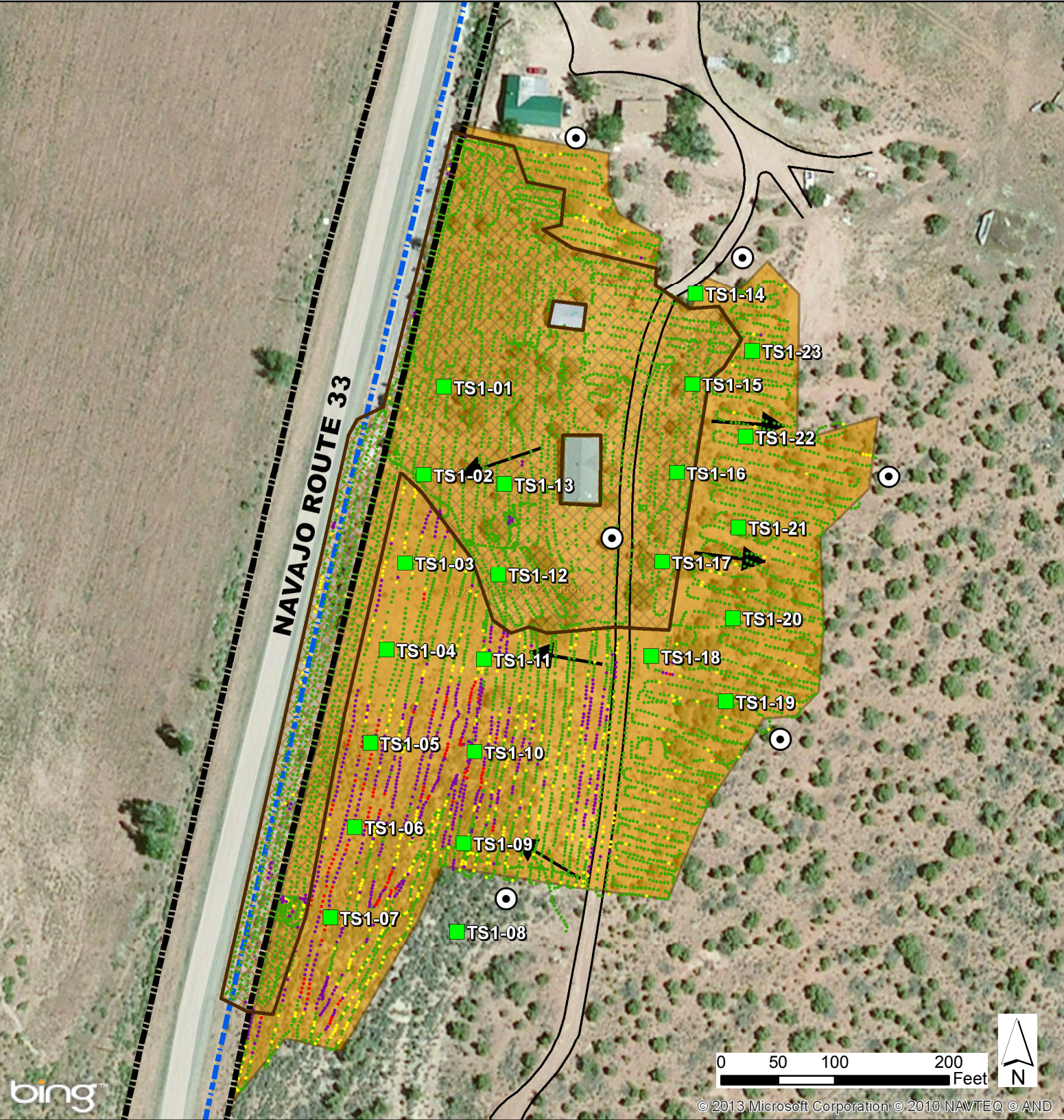
Excavation work at the site (including vegetation removal) began on September 19, 2012, and continued in various phases until November 8, 2012. Approximately 12,370 yd<sup>3</sup> of contaminated soil were removed from the various excavation zones and placed on the constructed stockpile located at TS2. Approximately 5,500 yd<sup>3</sup> of clean backfill was excavated from the soil borrow source and utilized as cap material at excavation zones that presented elevated gamma activity concentrations following removal activity. The estimated volume of contaminated soil removed from each excavation zone, estimated backfill areas, and estimated volume of clean backfill excavated from the soil borrow source is provided on Table 1. Excavation and clean backfill zones are illustrated below on Figure 9 through Figure 11, respectively.

<b>Table 1. Estimated Excavation and Backfill Areas and Volumes</b> Cove Transfer Station Sites 1 and 2 AUMW Removal Action					
Project No.: EE-002693-2199			TDD No.: TO2-09-12-09-0001		
Excavation Zone	Dates Material Excavated	Estimated Excavation		Estimated Backfill	
		ft <sup>2</sup>	yd <sup>3</sup>	ft <sup>2</sup>	yd <sup>3</sup>
TS1 North	09/29/12 to 10/27/12	237,023	10,500	111,912	5,000
TS1 South	09/25/12 to 10/01/12	28,444	1,300	13,387	500
TS2	10/12/12 to 10/27/12	15,314	570	n/a	n/a
Soil Borrow Source	10/29/12 to 11/08/12	95,000	5,500	n/a	n/a

##### 3.3.1 TS1 North

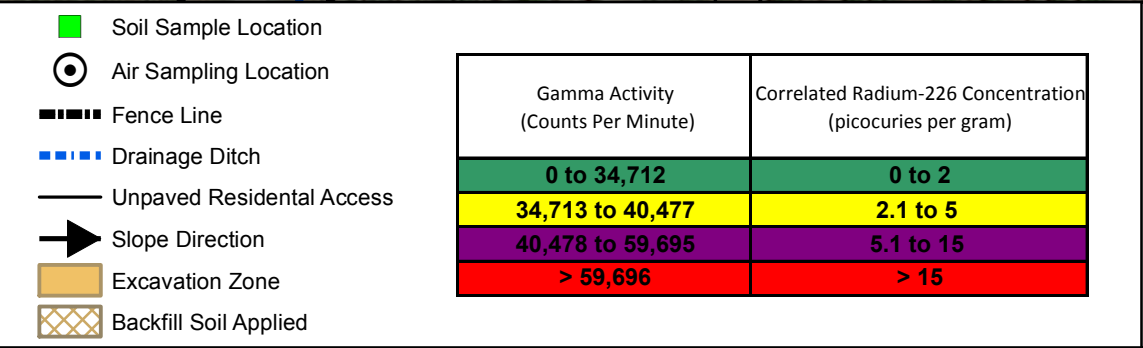
The excavation area for TS1 North was originally estimated to be approximately 310,650 ft<sup>2</sup> with a depth of 12 inches below ground surface (bgs). During excavation activity elevated surface gamma activity concentrations (>100,000 counts per minute (cpm)) were identified following 12 inches of soil removal at areas located along the western facing slope and at several areas immediately surrounding the residential structure. Based on elevated gamma activity at these locations, the U.S. EPA FOSC determined that the excavation depth should be extended an additional six to 12 inches bgs for an area comprising a 200 foot radius surrounding the residential structure, for a total excavation depth of 18 to 24 inches. A total of approximately 10,500 yd<sup>3</sup> of contaminated soil material was removed from TS1 North and transported to the TS2 stockpile location for placement and stabilization. After removal of contaminated soil the area located in an approximate 200 foot radius surrounding the residential structure and the area located along the west fence line and Navajo Route right-of-way were capped with clean backfill excavated from the soil borrow source. Approximately 111,912 ft<sup>2</sup> of the excavation were capped and graded with clean backfill.





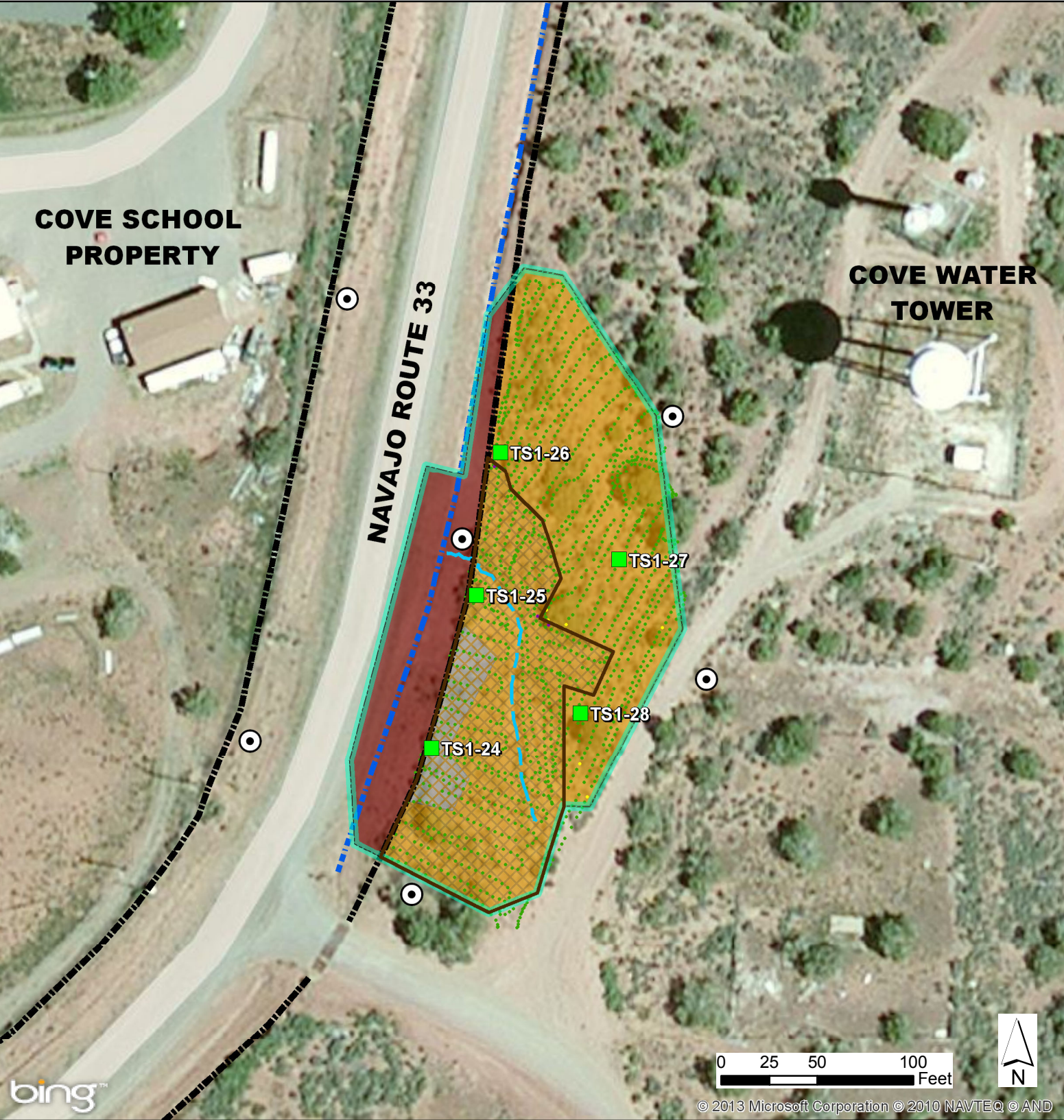
bing

0 50 100 200 Feet  
© 2013 Microsoft Corporation © 2010 NAVTEQ © AND




**Figure 9**  
**Transfer Station 1**  
**North Excavation Zone**  
  
**Post Remediation**  
**Surface Gamma Activity**  
  
**Cove, Apache County, Arizona**  
  
ecology and environment, inc.  
International Specialists in the Environment



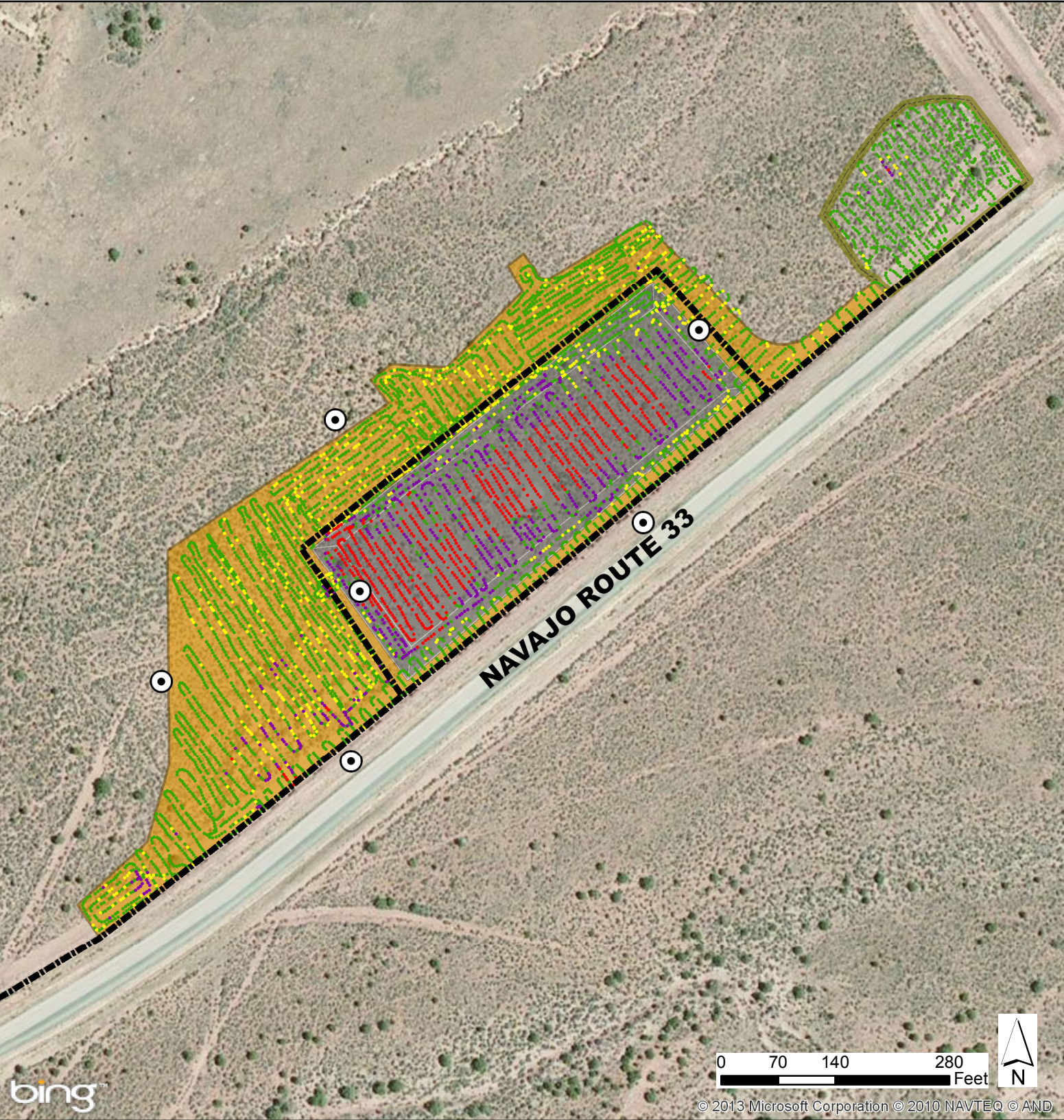


- Soil Sample Location
- Air Sampling Location
- Excavation Zone
- Backfill Soil Applied
- Historic Waste Rock Pit
- No Excavation
- Fence Line
- Drainage Ditch
- Erosional Trench

Gamma Activity (Counts Per Minute)	Correlated Radium-226 Concentration (picocuries per gram)
0 to 34,712	0 to 2
34,713 to 40,477	2.1 to 5
40,478 to 59,695	5.1 to 15
> 59,696	> 15

**Figure 10**  
**Transfer Station 1**  
**South Excavation Zone**  
  
**Post Remediation**  
**Surface Gamma Activity**  
  
**Cove, Apache County, Arizona**  
  
 **ecology and environment, inc.**  
International Specialists in the Environment





© 2013 Microsoft Corporation © 2010 NAVTEQ © AND

- Air Sampling Location
- Excavation Zone
- Chipping Area
- Constructed Stockpile
- Fence Line
- Buried Vegetation Zone

Gamma Activity (Counts Per Minute)	Correlated Radium-226 Concentration (picocuries per gram)
0 to 34,712	0 to 2
34,713 to 40,477	2.1 to 5
40,478 to 59,695	5.1 to 15
> 59,696	> 15

**Figure 11**  
**Transfer Station 2**  
**Post Remediation**  
**Surface Gamma Activity**  
**Cove, Apache County, Arizona**  
 ecology and environment, inc.  
International Specialists in the Environment



### 3. Summary of Removal Actions

Upon completion of the soil removal and backfill activity, a roving gamma activity scan was performed over the entire excavation zone by utilizing the U.S. EPA Rapid Assessment Tool (RAT) unit, and confirmation soil samples and associated one-minute static gamma activity counts were collected to determine final gamma activity concentrations. The TS1 North excavation zone, backfill zone, and final roving gamma activity scan concentrations are shown on Figure 9.

#### 3.3.2 TS1 South

The excavation area for TS1 South was originally estimated to be approximately 28,400 ft<sup>2</sup> with a depth of 12 inches bgs. During excavation activity, elevated gamma activity concentrations (70,000 to 90,000 cpm) were identified following 12 inches of soil removal at areas located immediately south of the natural surface water drainage trench, along the east side the fence line. Based on the elevated gamma activity concentrations and presence of suspected waste rock, a test pit was excavated to approximately 8 feet bgs to determine whether or not this location was utilized as a former waste rock pit for AUMW. During the test pit excavation, approximately 6 to 8 inch rocks were identified throughout the entire excavation depth and the location was believed to be a former waste rock pit created during mining or ore transfer operations. Due to project time constraints, the U.S. EPA FOSC determined that the test pit should be filled and the suspected waste rock pit location would be capped with approximately 2 feet of clean backfill in order to eliminate the potential human health exposure risks. A total of approximately 1,300 yd<sup>3</sup> of contaminated soil material was removed from TS1 South and transported to the TS2 stockpile location for placement and stabilization. After removal of contaminated soil, the south and east areas of the excavation zone were capped with clean backfill excavated from the soil borrow source. Approximately 13,387 ft<sup>2</sup> of the excavation were capped and graded with clean backfill. Upon completion of the soil removal and backfill activity, a roving gamma activity scan was performed over the entire excavation zone by utilizing the U.S. EPA RAT unit, and confirmation soil samples and associated one-minute static gamma activity counts were collected to determine final gamma activity concentrations. The TS1 South excavation zone, backfill zone, and final roving gamma activity scan concentrations are shown on Figure 10.

#### 3.3.3 TS2

During this removal action, approximately 15,314 ft<sup>2</sup> of contaminated soil material located around the perimeter of the constructed stockpile was excavated to do a depth of approximately 12 inches bgs. Approximately 570 yd<sup>3</sup> of contaminated soil material was removed from TS2 and placed at the stockpile location for stabilization. Upon completion of the soil removal, a roving gamma activity scan was performed over the entire excavation zone by utilizing the U.S. EPA RAT unit to determine final gamma activity concentrations. The TS2 excavation zone and final roving gamma activity scan concentrations are shown on Figure 11.

#### 3.3.4 Soil Borrow Source

Excavation at the soil borrow source, located approximately one mile northeast of the TS2 work zone, began on October 29, 2012 and continued until November 8, 2012. Prior to excavation on October 20, 2012, the START performed a roving gamma activity scan over the soil borrow source area to evaluate whether or not elevated gamma activity concentrations were present. The roving surface gamma activity scan was performed by using the same Ludlum 2241 meter coupled with the same 3-inch diameter sodium iodide (NaI) gamma-scintillation detector (Ludlum 3x3) and RAT unit as used throughout the removal action project. During the scan, no



### 3. Summary of Removal Actions

gamma activity concentrations were identified above 32,900 cpm, and the average surface gamma activity detected over the soil borrow source area was 29,100 cpm, which is considered equivalent to the site background gamma activity concentrations. A total of approximately 5,500 yd<sup>3</sup> of clean backfill was excavated from the borrow source during this removal action. The soil borrow source and roving gamma activity scan concentrations are shown on Figure 12.

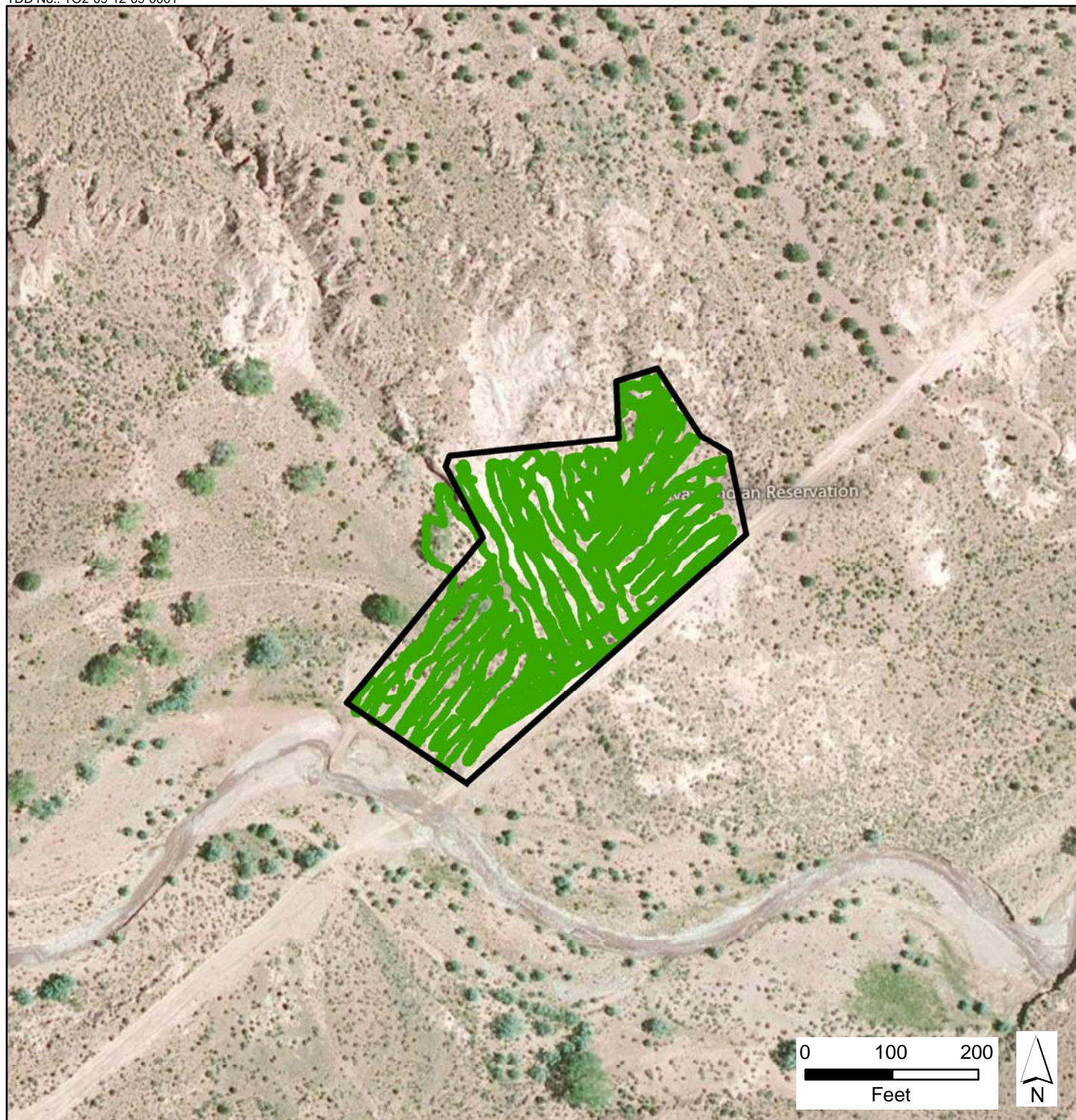
#### 3.4 TS2 Stockpile Construction

Soils contaminated with AUMW above the site DCGL at TS1 North, TS1 South, and TS2 were excavated and utilized to construct a contaminated soil stockpile located within the area of concern previously identified at TS2. Contaminated soils from removed from the excavation zones were placed at the stockpile location from September 25, 2012 through October 27, 2012. During this removal action, a total of approximately 12,400 yd<sup>3</sup> of contaminated soil was placed at the stockpile location. The entire stockpile area occupies approximately 97,200 ft<sup>2</sup> (540 feet by 180 feet) at TS2, with an approximate 4:1 (horizontal to vertical) slope from the base contour to the top contour of the stockpile, and a total approximate height of 3 to 4 feet above the surrounding ground surface.

Upon completion of the stockpile construction, a roving gamma activity scan was performed over the entire stockpile area by utilizing the U.S. EPA RAT unit to document final gamma activity concentrations in the area. The final roving gamma activity scan concentrations documented at the stockpile location are shown on Figure 11.

Following construction of the stockpile and documentation of final gamma activity concentrations, a soil stabilizer agent was applied to the stockpile area. The soil stabilizer agent applied over the contaminated soil stockpile was identified as Gorilla-Snot<sup>®</sup> and manufactured by Soilworks<sup>®</sup> as an eco-safe, biodegradable, liquid copolymer used to stabilize and solidify soil for erosion control and dust suppression. Once the soil stabilizer agent was applied to the stockpile area, a fence was constructed around the perimeter to prevent access to the stockpile area and therefore help maintain integrity of the stabilizer agent. A detailed drawing of the stockpile dimensions, features, and location are shown on Figure 13.





— Soil Borrow  
Source Area

Gamma Activity (Counts per Minute)	Correlated Radium-226 Concentration (picocuries per gram)
0 to 36,043	0 to 2.0
46,908 to 46,907	2.1 to 4.0
46,908 to 79,499	4.1 to 10.0
> 79,500	> 10.0

**Figure 12**  
**Soil Borrow Source**  
**Surface Gamma Activity**

Cove, Apache  
County, Arizona

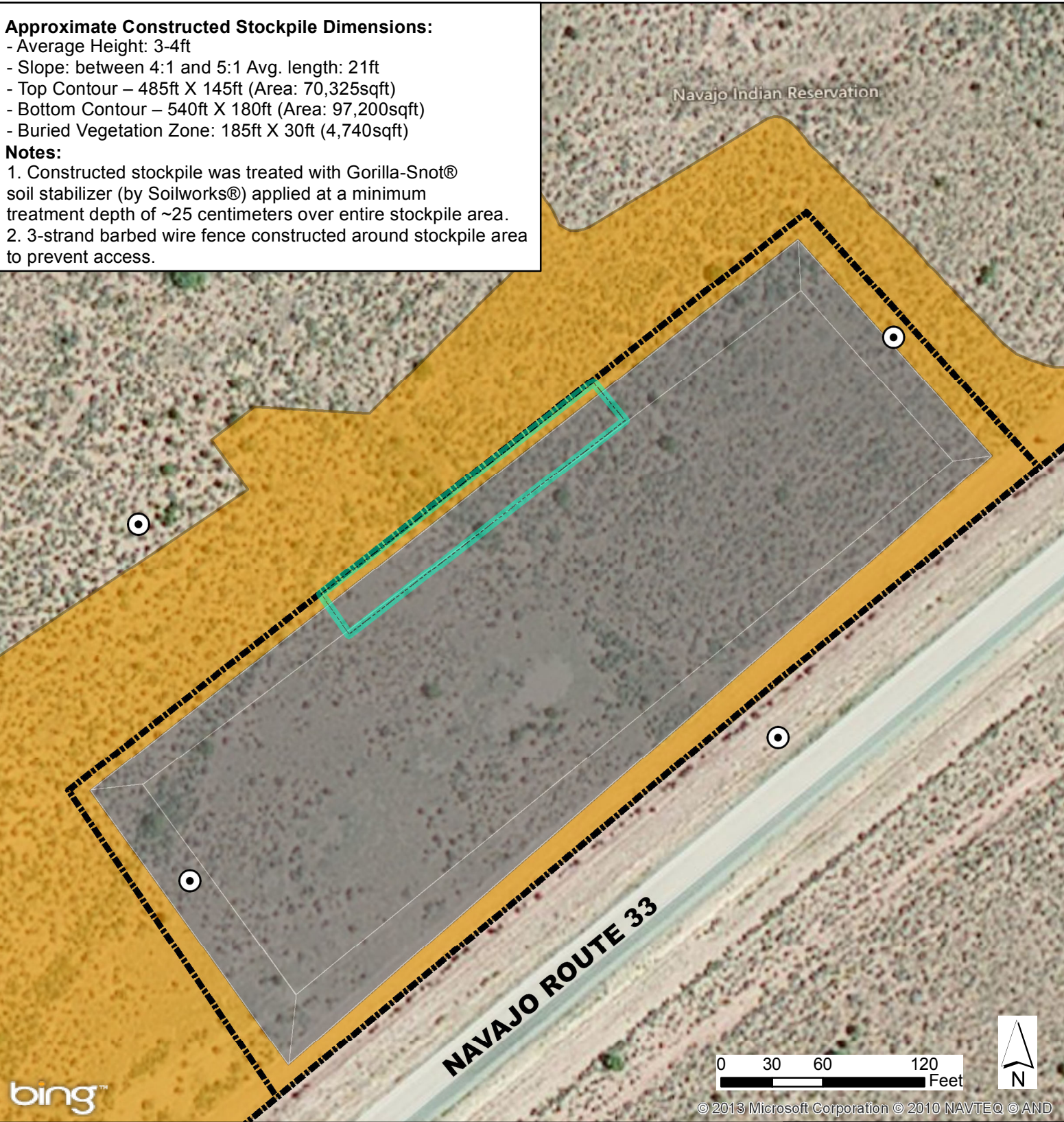


**Approximate Constructed Stockpile Dimensions:**

- Average Height: 3-4ft
- Slope: between 4:1 and 5:1 Avg. length: 21ft
- Top Contour – 485ft X 145ft (Area: 70,325sqft)
- Bottom Contour – 540ft X 180ft (Area: 97,200sqft)
- Buried Vegetation Zone: 185ft X 30ft (4,740sqft)

**Notes:**

1. Constructed stockpile was treated with Gorilla-Snot® soil stabilizer (by Soilworks®) applied at a minimum treatment depth of ~25 centimeters over entire stockpile area.
2. 3-strand barbed wire fence constructed around stockpile area to prevent access.



bing™

0 30 60 120 Feet




© 2013 Microsoft Corporation © 2010 NAVTEQ © AND

- Air Sampling Location
- Buried Vegetation Zone
- Fence Line
- Excavation Zone
- Chipping Area
- Constructed Stockpile

**Figure 13**  
**Transfer Station 2**  
**Constructed Stockpile Detail**

**Post Remediation**  
**Surface Gamma Activity**

**Cove, Apache County, Arizona**

 **ecology and environment, inc.**  
International Specialists in the Environment



## 4 Laboratory Results and Gamma Activity Measurement Data

Surface soil samples and equipment rinsate samples were collected in accordance with the SAP (E & E, 2012c) during this removal action and were analyzed for the following contaminant of concern:

- Ra-226 gamma spectroscopy with in-growth, by United States Department of Energy Health and Safety Laboratory (HASL) method 300, 4.5.2.3.

Soil samples and equipment rinse blank samples collected during the removal action to be analyzed for Ra-226 gamma spectroscopy (method HASL 300, 4.5.2.3) were submitted to GEL Laboratories, LLC. (GEL), located in Charleston, South Carolina.

Roving surface gamma activity scans and one-minute surface gamma activity counts were collected in accordance to the SAP (E & E, 2012c) during this removal action by utilizing the following equipment:

- Ludlum® Model 2241 ratemeter and detector model 44-20 (EPA S/N: 198223) with 3-inch x 3-inch (3x3) NaI gamma scintillator (EPA S/N: 18BR9)

All laboratory analytical results were provided by GEL with Tier 1 data validation. A START chemist then conducted Tier 2 data validation for all laboratory-generated data in accordance with the U.S. EPA guidance *Quality Assurance/Quality Control Guidance for Removal Activities, Sampling QA/QC Plan and Data Validation Procedures* (EPA/540/G-90/004 OSWER Directive 9360.4-01) dated April 1990 (U.S. EPA, 1990). Tier 2 data validation included evaluation of criteria such as laboratory QA/QC summaries, holding times, and matrix-related recoveries. Data qualifiers were applied by START according to the *U.S. EPA CLP National Functional Guidelines for Inorganic Data Review* (OSWER 9240.1-45, EPA 540-R-04-004) dated October 2004 (U.S. EPA, October 2004). All soil data were found to be acceptable with qualifications as definitive level data.

### 4.1 Background Soil Sampling

During the November 2011 removal assessment, the START performed one-minute surface gamma activity counts and collected co-located surface soil samples for laboratory analysis at 11 sample locations from a regional background site with similar geology to the Cove Transfer Station Sites 1 and 2 and no known or suspected impacts from mining. A summary of Ra-226 concentrations in surface soils and associated surface gamma activity counts for the regional background site are summarized in the February 2012 removal assessment report (E & E, 2012a). Ra-226 concentrations in surface soil samples collected from the background site ranged from 0.539 pCi/g to 0.987 pCi/g, and co-located one-minute surface gamma activity counts ranged from 26,990 cpm to 29,744 cpm. Results from the background site were used in developing the site-specific DCGL and indicate that regional background concentrations of Ra-226 in soils are less than 1 pCi/g (E & E, 2012a).



#### 4. Laboratory Results and Gamma Activity Scan Data

### 4.2 Confirmation Surface Soil Sampling and Co-located One-Minute Gamma Activity Counts

On October 29 and October 30, 2012, the START collected confirmation surface soil samples and co-located one-minute surface gamma activity counts at 23 discrete locations from the TS1 North excavation zone and at five discrete locations from the TS1 South excavation zone. Samples were collected prior to the placement of clean backfill. The sample locations at TS1 North and TS1 South were distributed in a roughly 80-foot by 80-foot triangular grid pattern within the excavation zones. In accordance with the SAP, 13 of the samples were collected from the same geographic locations as the surface and subsurface samples that were collected during the November 2011 removal assessment (E & E 2012a). The confirmation surface soil sample locations at TS1 North and TS1 South are shown on Figure 9 and Figure 10, respectively. A summary of the Ra-226 laboratory analysis data and co-located one-minute gamma activity counts for the confirmation surface soil samples are included on Table 2.

Ra-226 concentrations in the 28 confirmation surface soil samples ranged from 0.56 pCi/g to 14.5 pCi/g, with an average of 3.63 pCi/g. Surface one-minute gamma activity counts at the 28 confirmation sample locations ranged from 30,361 cpm to 61,353 cpm, with an average of 37,852 cpm (Table 2). The correlation coefficient (R) between the Ra-226 laboratory analysis data and the field-measured one-minute gamma activity counts was 0.847 and the coefficient of determination ( $R^2$ ) value was 0.7177 (Table 2), indicating a positive correlation between the measurements.

<b>Table 2. Correlation Data for Ra-226 Soil Concentrations and Co-Located One-Minute Gamma Activity Count</b> Cove Transfer Station Sites 1 and 2 AUMW Removal Action		
Project No.: EE-002693-2199		TDD No.: TO2-09-12-09-0001
Sample ID	Ra-226 (picocuries per gram)	Gamma Activity Count (one-minute count)
TS1-01-102912	9.60	42,576
TS1-02-102912	12.4	61,353
TS1-03-102912	1.34U	35,081
TS1-04-102912	1.12U	33,826
TS1-05-102912	14.5	51,785
TS1-06-102912	9.19	52,096
TS1-07-102912	4.95	50,770
TS1-08-102912	2.59	38,413
TS1-09-102912	2.37	43,818
TS1-10-102912	6.12	40,957
TS1-11-102912	1.88	37,272
TS1-12-102912	0.665U	32,070
TS1-13-102912	0.560U	35,356
TS1-14-103012	1.55	31,091
TS1-15-103012	1.93	30,361
TS1-16-103012	1.47	32,158
TS1-17-103012	2.45	30,391
TS1-18-103012	2.88	34,016
TS1-19-103012	1.02	30,431
TS1-20-103012	0.925	30,403
TS1-21-103012	0.973	30,852



#### 4. Laboratory Results and Gamma Activity Scan Data

<b>Table 2. Correlation Data for Ra-226 Soil Concentrations and Co-Located One-Minute Gamma Activity Count</b> Cove Transfer Station Sites 1 and 2 AUMW Removal Action		
Project No.: EE-002693-2199		TDD No.: TO2-09-12-09-0001
Sample ID	Ra-226 (picocuries per gram)	Gamma Activity Count (one-minute count)
TS1-22-103012	1.60	30,729
TS1-23-103012	5.94	37,448
TS1-24-103012	6.38	50,605
TS1-25-103012	2.65	38,584
TS1-26-103012	1.55	32,977
TS1-27-103012	2.34	32,826
TS1-28-103012	0.818	31,620
<b>Average</b>	<b>3.63</b>	<b>37,852</b>
<b>Minimum</b>	<b>0.56</b>	<b>30,361</b>
<b>Maximum</b>	<b>14.5</b>	<b>61,353</b>
<b>Correlation Coefficient (R) = 0.847</b>		
<b>Coefficient of Determination (R<sup>2</sup>) = 0.7177</b>		
Notes:		
“U” = sample qualified as non-detect with elevated detection limits		

##### 4.2.1 QA/QC of Field Sampling Data

Three QC field duplicate soil samples (TS1-01-102912-D, TS1-11-102912-D, TS1-14-102912-D) were collected at locations randomly selected in the field. According to the SAP, field duplicate samples were collected to determine a relative percent difference (RPD) between homogenized split duplicate soil samples collected as a double volume from one location. All duplicate sample analysis results were inside the required RPD range of 0 to 20 percent.

Two QC equipment rinsate samples (RB-102912 and RB-103012) were collected from non-dedicated sampling instruments (i.e., hand auger, trowel) to evaluate field decontamination procedures. In accordance with the SAP, equipment rinsate samples were collected following decontamination of the sampling equipment at a rate of once per day. Rinsate samples were collected by pouring distilled water over the decontaminated sampling instrument and collecting the water into a certified clean, nitric acid-preserved 2-liter polyethylene sample container for analysis of Ra-226.

The laboratory analysis data were reviewed by qualified GEL laboratory chemists and a qualified START chemist as part of the QA/QC data validation process. According to GEL’s acceptance criteria, all data met their DQOs and were considered to be acceptable for use according to their criteria. During the START data validation process, sample results for TS1-03-102912, TS1-04-102912, TS1-12-102912, and TS1-13-102912 were qualified ‘U’ (or non-detect) with elevated detection limits based on Ra-226 detected in the rinsate blank for October 30. All data met the acceptance criteria stated in the project SAP. Laboratory analytical reports and data validation reports are included under Appendix E.

##### 4.2.2 QA/QC of Field Gamma Activity Measurements

The Ludlum 3x3 field screening instrument utilized during this removal action was evaluated to document that the equipment was within annual calibration specifications and operating within daily QA/QC parameters according to the SAP. To minimize the potential for measurement



#### **4. Laboratory Results and Gamma Activity Scan Data**

variability, the Ludlum Model 2241 ratemeter was matched with the same Ludlum Model 44-20 detector with 3-inch x 3-inch sodium iodide gamma scintillator throughout the removal action.

Prior to performing any surface field measurements, a one-minute gamma activity count was performed for the Ludlum 3x3 using a certified Cs-137 1 microcurie ( $\mu\text{Ci}$ ) check source. Immediately before or after the one-minute count was performed with the Ra-226 check source, an additional one-minute count was performed without a check source. A  $\pm 20$  percent variation from these initial measurement values were set as the QC tolerance limit during subsequent daily QC checks. Daily QC checks were performed at the beginning end and end of each day during the removal action. To minimize variance during each daily QC check, background and source counts were performed in the same location and orientation as those used during the initial calibration measurement described above. The meter and detector pair used during this removal action did not fail QC limits (i.e., within 20 percent of the initially measured values). Calibration sheets and annual calibration certificates are located in the project files.

To determine the approximate effective area of detection of the 3x3 NaI gamma scintillator used throughout the project, the START performed one-minute gamma activity counts using Cs-137 gamma radiation check sources with stated activities of 1  $\mu\text{Ci}$  and 5  $\mu\text{Ci}$ . One-minute gamma activity counts were performed at 1-foot incremental distances (0 to 10 feet) from the check source in each cardinal direction until observed gamma activity levels could not be distinguished from measured background activity. Background gamma radiation levels were measured in the same fashion at 2-foot intervals. Based on observed data, the effective range of detection for gamma radiation in the 1 to 5  $\mu\text{Ci}$  range was between 3 and 5 feet. In order to be conservative, 4 feet was used as the estimated radius of detection during roving gamma activity scans.

As part of the QA/QC program, the START performed a one-minute gamma activity count at each of the 11 background sample locations prior to initiation of the removal action, and at least once a week during the removal action, in order to evaluate the continuing accuracy of the Ludlum 3x3 NaI gamma scintillator throughout the project. No one-minute gamma activity counts were observed outside of the 0 to 20 percent RPD range at any of the 11 background sample locations during this removal action.

#### **4.3 Correlation Study Between Ra-226 Confirmation Soil Sample Concentrations and Co-located One-Minute Gamma Activity Counts**

As part of the data evaluation process, the detected Ra-226 soil concentration and co-located one-minute surface gamma activity count at each surface sample location collected at TS1 North and TS1 South were used in a correlation study. The purpose of the correlation study is to develop an equation that allows the user to predict a Ra-226 soil concentration based on roving gamma activity scan data. The correlation data between Ra-226 soil concentrations and co-located one-minute gamma activity count are listed in Table 2. A graph of the correlation between data sets is shown on Figure 14.

As shown on the Table 2, the R between data sets was 0.847, indicating positive correlation exists between data sets. Similarly, the  $R^2$  was calculated from the trend-line equation in Figure 14. The calculated  $R^2$  value of 0.7177 also suggests a positive correlation between the data sets and is above the typical U.S. EPA acceptance criteria of 0.70 for screening level data. The trend-



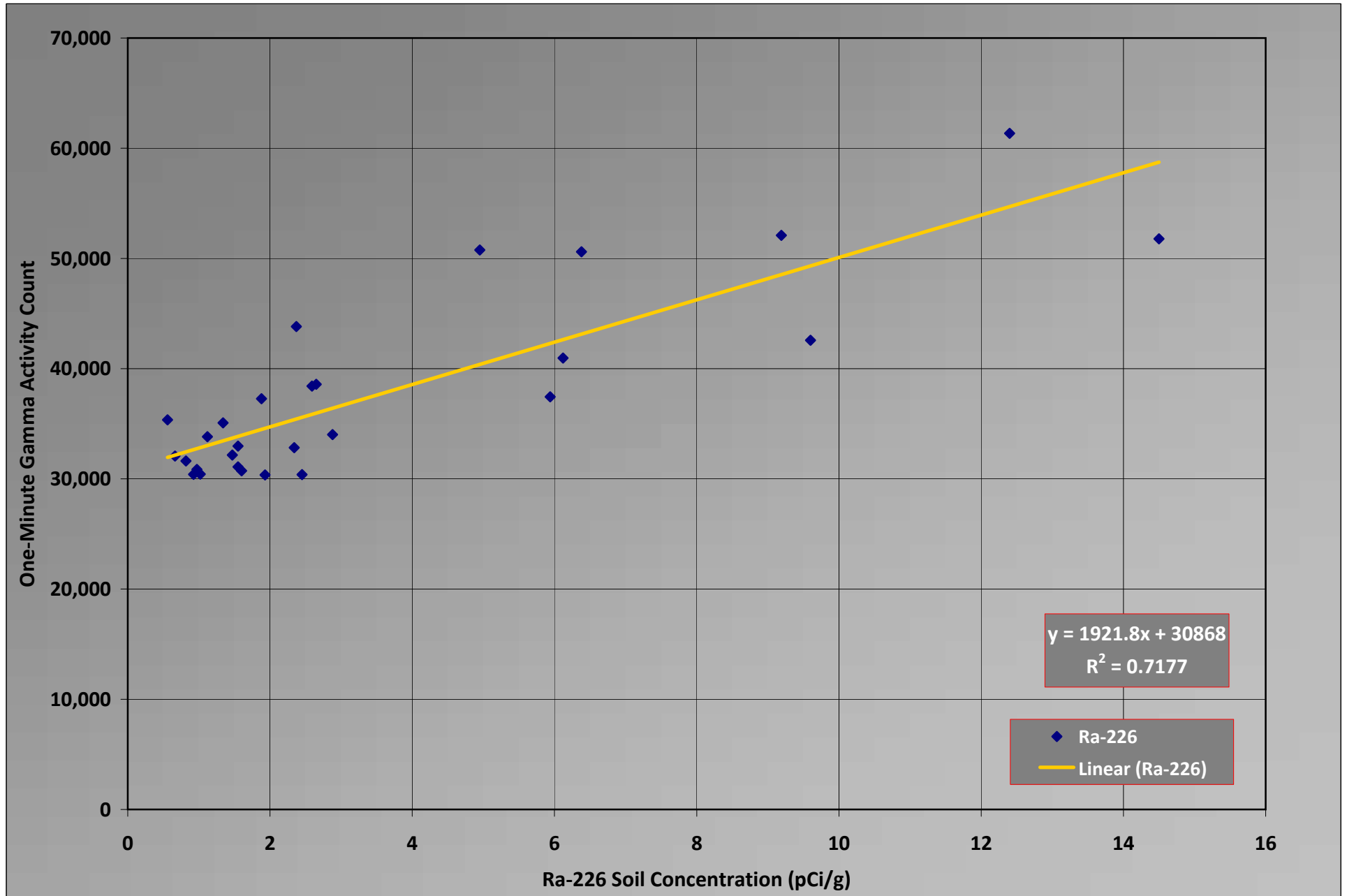
#### **4. Laboratory Results and Gamma Activity Scan Data**

line equation shown on Figure 14 was subsequently used to develop the relationship between gamma activity and Ra-226 soil concentrations that are shown on figures illustrating roving gamma activity scan data for TS1 North, TS1 South, TS2, and soil borrow source (Figures 9 through 12). Although no surface soil samples were collected from TS2 or the soil borrow source, this relationship was also used to estimate Ra-226 soil concentrations at those areas.

A total of twenty-eight (TS1-01-102912 through TS1-28-103012) sample locations with Ra-226 surface concentrations ranging from 0.560 pCi/g to 14.5 pCi/g, and a mean concentration of 3.63 pCi/g were used to establish the  $R^2$  value for correlating Ra-226 surface soil concentrations and surface gamma activity scan measurements (Table 2).



**Figure 14. Correlation Data Graph for Ra-226 Soil Concentrations and  
Co-Located One-Minute Gamma Activity Count**  
Cove Transfer Station Sites 1 and 2 AUMW Removal Action





#### 4. Laboratory Results and Gamma Activity Scan Data

Based on the linear regression analysis between these data sets the following correlation assumptions were established: (1) gamma activity scan measurements between 0 cpm and 34,712 cpm were correlated to Ra-226 soil concentrations between 0 pCi/g and 2 pCi/g, and are considered below the site DGCL; (2) gamma activity scan measurements between 34,713 cpm and 40,477 cpm were correlated to Ra-226 soil concentrations between 2.1 pCi/g and 5 pCi/g, and are considered slightly elevated above the site DCGL; (3) gamma activity scan measurements between 40,478 cpm and 59,695 cpm were correlated to Ra-226 soil concentrations between 5.1 pCi/g and 15 pCi/g, and are considered elevated above the site DCGL; and (4) gamma activity scan measurements greater than 59,696 cpm were correlated to Ra-226 soil concentrations greater than 15 pCi/g, and are considered significantly elevated above the site DCGL. The post-remediation roving gamma activity scan data for each work zone is discussed below in section 4.4.

#### 4.4 Roving Gamma Activity Scan Data

Following completion of the excavation and backfill work at each work zone, the START traversed the area on approximately 4-foot-wide transects carrying the RAT unit in order to measure and record surface gamma activity at one-second intervals. Roving gamma activity scan data were used in conjunction with the correlation equation on Figure 14 to estimate the Ra-226 soil concentrations at each work zone following remediation activity. Statistics for roving gamma activity scan data collected at the TS1 North excavation and backfill zones, the TS1 South excavation and backfill zones, the TS2 excavation zone and constructed stockpile, and the soil borrow source are shown below in Table 3. The complete roving gamma activity scan data collected from each work zone is included in tabular form under Appendix F.

<b>Table 3. Statistics for Gamma Activity Scan Data</b> Cove Transfer Station Sites 1 and 2 AUMW Removal Action							
Project No.: EE-002693-2199				TDD No.: TO2-09-12-09-0001			
Statistics	TS1 North		TS1 South		TS2		Soil
Location	Excavation Zone	Backfill Zone	Excavation Zone	Backfill Zone	Excavation Zone	Constructed Stockpile	Borrow Source
Total Measurements	4,610	4,219	865	644	5,518	2,395	4,629
No. Measurements above DCGL	1,312	85	11	4	722	1,553	0
Mean Ra-226 Concentration (cpm)	36,928	29,329	31,113	30,442	33,290	54,290	29,100
Standard Deviation (cpm)	24,075	2,824	1,937	2,046	4,707	27,063	1,464
Minimum (cpm)	24,100	23,400	26,500	26,200	26,900	28,300	24,000
Maximum (cpm)	688,000	57,600	41,900	43,500	152,000	178,000	32,900
Median (cpm)	32,900	28,900	30,900	30,300	32,900	43,200	29,100
Quartile 25% (cpm)	31,400	27,600	29,800	28,975	31,500	33,400	28,100
Quartile 50% (cpm)	32,900	28,900	30,900	30,300	32,900	43,200	29,100
Quartile 75% (cpm)	35,700	30,600	32,400	31,800	34,100	70,000	30,100
Quartile 100% (cpm)	688,000	57,600	41,900	43,500	152,000	178,000	32,900
Notes: TS = Transfer Station cpm = counts per minute DCGL = derived concentration guideline level							



## **4. Laboratory Results and Gamma Activity Scan Data**

### **4.4.1 TS1 North Gamma Activity Scan**

The post-remediation roving gamma activity scan data for TS1 North was evaluated as two separate decision areas identified as: (1) the excavation zone which did not receive backfill; and, (2) the backfill zone which was capped with approximately one to two feet of clean backfill. Post-remediation gamma activity scan measurements for the TS1 North excavation zone and TS1 North backfill zone are discussed below.

Based on 4,610 roving gamma activity scan measurements collected from the TS1 North excavation zone, the estimated mean value for gamma activity was 36,928 cpm, which correlates to a Ra-226 concentration of approximately 3.15 pCi/g. Of the 4,610 gamma activity measurements collected, 1,311 measurements corresponded to Ra-226 concentrations above the site DCGL. Results from the TS1 North excavation zone scan indicate that elevated gamma activity measurements between 34,713 cpm and 688,000 cpm (corresponding to Ra-226 surface soil concentrations between 2.1 pCi/g and greater than 100 pCi/g) were present within the excavation zone along the western-facing slope and east of the residential access road. These elevated gamma activity measurements are likely attributable to residual uranium-bearing ore that was not excavated during this removal action due to budgetary and time constraints. Results of the TS1 North excavation zone gamma activity scan are shown in Figure 9.

Based on 4,219 roving gamma activity scan measurements collected from the TS1 North backfill zone, the estimated mean value for gamma activity was 29,329 cpm, which correlates to a Ra-226 concentration of less than 1 pCi/g, and is below the DCGL of 2 pCi/g. Of the 4,219 gamma activity measurements collected, 85 measurements corresponded to Ra-226 concentrations above the site DCGL. Results from the TS1 North backfill zone scan indicate that a small number of elevated gamma activity measurements between 34,713 cpm and 59,695 cpm (corresponding to Ra-226 surface soil concentrations between 2.1 pCi/g and 15 pCi/g) were present within the backfill zone along the western fence line and within the Navajo Route 33. These elevated gamma activity measurements are likely attributable to soils containing residual gamma-emitting radioisotopes and residual uranium-bearing ore that were located immediately outside the boundaries of the backfill zone. Results of the TS1 North backfill zone gamma activity scan are shown in Figure 9.

### **4.4.2 TS1 South Gamma Activity Scan**

The post-remediation roving gamma activity scan data for TS1 South was evaluated as two separate decision areas identified as: (1) the excavation zone which did not receive backfill; and, (2) the backfill zone which was capped with approximately one foot of clean backfill. Post-remediation gamma activity scan measurements for the TS1 South excavation zone and TS1 South backfill zone are discussed below.

Based on 865 roving gamma activity scan measurements collected from the TS1 South excavation zone, the estimated mean value for gamma activity was 31,113 cpm, which correlates to a Ra-226 concentration of less than 1 pCi/g, and is below the DCGL of 2 pCi/g. Of the 865 gamma activity measurements collected, 11 measurements corresponded to Ra-226 concentrations above the site DCGL. Results from the TS1 South excavation zone scan indicate that gamma activity measurements between 34,713 cpm and 40,477 cpm (corresponding to Ra-226 surface soil concentrations between 2.1 pCi/g and 5 pCi/g) were present within the excavation zone; however, there is no apparent pattern to the elevated gamma activity



#### **4. Laboratory Results and Gamma Activity Scan Data**

measurements. These slightly elevated gamma activity measurements are likely attributable to small amounts of soils containing residual gamma-emitting radioisotopes not excavated during this removal action. Results of the TS1 South excavation zone gamma activity scan are shown in Figure 10.

Based on 644 roving gamma activity scan measurements collected from the TS1 South backfill zone, the estimated mean value for gamma activity was 30,442 cpm, which correlates to a Ra-226 concentration of less than 1 pCi/g, and is below the DCGL of 2 pCi/g. Of the 644 gamma activity measurements collected, 4 measurements corresponded to Ra-226 concentrations above the site DCGL. Results from the TS1 South excavation zone scan indicate that elevated gamma activity measurements between 34,713 cpm and 40,477 cpm (corresponding to Ra-226 surface soil concentrations between 2.1 pCi/g and 5 pCi/g) were present within the backfill zone. These elevated gamma activity concentrations are likely attributable to small amounts of soils containing residual gamma-emitting radioisotopes at isolated locations, and do not suggest a pattern of contamination. Results of the TS1 South backfill zone gamma activity scan are shown in Figure 10.

##### **4.4.3 TS2 Gamma Activity Scan**

The post-remediation roving gamma activity scan data for TS2 was evaluated as two separate decision areas identified as: (1) the excavation and vegetation chipping zone (which did not receive backfill), and (2) the constructed stockpile zone. Post-remediation gamma activity scan measurements for the TS2 excavation and vegetation chipping zone and TS2 constructed stockpile are discussed below.

Based on 5,518 roving gamma activity scan measurements collected from the TS2 excavation and vegetation chipping zone, the estimated mean value for gamma activity was 33,290 cpm, which correlates to a Ra-226 concentration of approximately 1.3 pCi/g, and is below the DCGL of 2 pCi/g. Of the 5,518 gamma activity measurements collected, 722 measurements corresponded to Ra-226 concentrations above the site DCGL. Results from the TS2 excavation and vegetation chipping zone scan indicate that elevated gamma activity measurements ranging between 34,713 cpm and 59,695 cpm (corresponding to Ra-226 surface soil concentrations between 2.1 pCi/g and 15 pCi/g) were present within the excavation zone. Elevated gamma activity concentrations ranging between 40,478 cpm and 59,695 cpm (5 pCi/g and 15 pCi/g) were primarily located south of the constructed stockpile, and elevated gamma concentrations between 34,713 cpm and 40,477 cpm (2.1 pCi/g and 5 pCi/g) were variously dispersed throughout TS2 excavation and vegetation chipping zone. These elevated gamma activity measurements are likely attributable to residual uranium-bearing ore and/or waste management practices during chipping operations. Results of the TS2 excavation and vegetation chipping zone gamma activity scan are shown in Figure 11.

Based on 2,395 roving gamma activity scan measurements collected from the TS2 constructed stockpile, the estimated mean value for gamma activity was 54,290 cpm, which correlates to a Ra-226 concentration of approximately 12.2 pCi/g. Of the 2,395 gamma activity measurements collected, 1,553 measurements corresponded to Ra-226 concentrations above the site DCGL. Elevated gamma activity concentrations ranging between 40,478 cpm and 178,000 cpm (5 pCi/g and >15 pCi/g) were detected over the entire stockpile area. The elevated gamma activity measurements were attributable to the placement of contaminated soils excavated from TS1 and



#### ***4. Laboratory Results and Gamma Activity Scan Data***

TS2 during this removal action. Results of the TS2 constructed stockpile gamma activity scan are shown in Figure 11.

##### **4.4.4 Soil Borrow Source Gamma Activity Scan**

Prior to excavation of the soil borrow source, the START conducted a roving gamma activity scan over the soil borrow source area to evaluate whether or not elevated gamma activity concentrations were present.

Based on 4,629 roving gamma activity scan measurements collected from the soil borrow source, the estimated mean value for gamma activity was 29,100 cpm, which correlates to a Ra-226 concentration of less than 1 pCi/g. No gamma activity measurements were detected above the site DCGL at the soil borrow source. Results of the soil borrow source gamma activity scan are shown in Figure 12.



## 5 Discussion

Between September and November 2012, the U.S EPA Region 9 ERS and the START and ERRS contractors conducted an AUMW removal action at the Cove TS1 and TS2 sites. During this removal action, approximately 11,800 cy<sup>3</sup> of contaminated soil material above the DCGL of 2 pCi/g was excavated from the TS1 North and TS1 South work zones and transported TS2 for construction of a contaminated soils stockpile. Additionally, approximately 570 cy<sup>3</sup> of contaminated soil material above the DCGL of 2 pCi/g was excavated from around the perimeter of the constructed stockpile at TS2 and placed in the stockpile.

Daily perimeter and work zone air sampling performed during the removal action indicated that gross alpha radiation activity concentrations in airborne particulates did not exceed the allowable DAC levels for Th-230 and no unacceptable exposures occurred.

A total of 28 confirmation surface soil samples were collected from TS1 following excavation work and prior to the backfill activity, and submitted for laboratory analysis in order to establish correlation between Ra-226 soil concentrations and gamma activity measurements collected during one-minute counts and roving scans. The calculated R<sup>2</sup> value between Ra-226 soil concentrations and one-minute gamma activity counts was 0.7177, which suggests an acceptable positive correlation between data sets. Roving gamma activity scan data were used in conjunction with the correlation equation on Figure 14 to estimate the post-remediation Ra-226 soil concentrations at a work zone.

Following completion of excavation at TS1 North, approximately 111,912 ft<sup>2</sup> of the excavation zone was backfilled, compacted, and graded with clean soil obtained from the soil borrow source. The TS1 backfill zone primarily encompasses an approximate 200-foot radius around the on-site residential structure and the area located along the western fence line and the Navajo Route 33 right-of-way (Figure 9). Results from the roving gamma scan at the TS1 North excavation zone measured gamma activity ranging between 34,713 cpm and 688,000 cpm (2.1 pCi/g and greater than 100 pCi/g), with a mean concentration of 36,928 cpm, which correlates to a Ra-226 concentration of approximately 3.15 pCi/g, and is above the site DCGL (Figure 9). Results from the roving gamma activity scan at the TS1 North backfill zone measured gamma activity ranging between 34,713 cpm and 59,695 cpm (2.1 pCi/g and 15 pCi/g), with a mean concentration of 29,329 cpm, which correlates to a Ra-226 concentration of less than 1 pCi/g, and is below the DCGL of 2 pCi/g (Figure 9).

Following completion of the excavation at TS1 South, approximately 13,387 ft<sup>2</sup> of the excavation zone was backfilled, compacted, and graded with clean soil obtained from the soil borrow source. The TS1 South backfill zone encompasses the south and western portions of the excavation zone (Figure 10). Results from the roving gamma activity scans at the TS1 South excavation and backfill zones measured small amounts of gamma activity ranging 34,713 cpm and 40,477 cpm, with respective mean concentrations of and 31,113 cpm and 30,442 cpm, which correlate to Ra-226 concentrations of less than 1 pCi/g, and are below the DCGL of 2 pCi/g (Figure 10).

Following completion of the excavation at TS2, results from the roving gamma activity scan at the TS2 excavation and vegetation chipping zone scan measured gamma activity ranging



between 34,713 cpm and 59,695 cpm (2.1 pCi/g to 15 pCi/g), with a mean concentration of 33,290 cpm, which correlates to a Ra-226 concentration of approximately 1.3 pCi/g, and is below the site DCGL of 2 pCi/g (Figure 11). Results from the roving gamma activity scans at the TS2 constructed stockpile measured gamma activity ranging between 40,478 cpm and 178,000 cpm (5 pCi/g and >15 pCi/g), with a mean concentration 54,290 cpm, which correlates to a Ra-226 concentration of approximately 12.2 pCi/g (Figure 11). Once construction of the stockpile was completed, the TS2 stockpile area was treated with a biodegradable, liquid copolymer (Gorilla-Snot<sup>®</sup>) to stabilize and solidify soils and limit erosion and fugitive dust emissions, and the area was fenced to prevent access. Although a stabilizing agent was applied to the TS2 contaminated soil stockpile, the stabilizer will likely degrade within one to two years after application given the regions seasonal weather extremes, and will likely lose the ability to limit erosion and fugitive dust emissions in the future.



## 6 References

- CSWTA Inc. 2012. *A Cultural Resources Inventory Survey for Two Transfer Stations, Uranium Contamination Cleanup Project in Cove, Apache County, Arizona*. August.
- E & E, 2012a. *Cove Transfer Station Sites 1 and 2 Abandoned Uranium Mine Removal Assessment Report, Cove, Apache County, Arizona*. February.
- E & E, 2012b. *Cove Transfer Station 1 (TS1) Field Assessment; Addendum Letter Report to the Cove Transfer Station Sites 1 and 2 Abandoned Uranium Mine Waste Removal Assessment Report, Cove, Apache County, Arizona*. August.
- E & E, 2012c. *Sampling and Analysis Plan, Cove Transfer Station Sites 1 and 2, Abandoned Uranium Mine Waste Removal Action, Navajo Nation, Cove Chapter, Apache County, Arizona*. September.
- MARSSIM, 2000. *Multi-Agency Radiation Survey and Site Investigation Manual*. August.
- U.S. EPA and NNEPA, 2010. *Background Location Selection Criteria, Prepared by NNEPA and U.S. EPA*. April.
- U.S. EPA, 2004. *U.S. EPA CLP National Functional Guidelines for Inorganic Data Review (OSWER 9240.1-45, EPA 540-R-04-004)*. October.
- U.S. EPA, 1990. *Quality Assurance/Quality Control guidance for Removal Activities, Sampling QA/QC Plan and Data Validation Procedures,* (EPA/540/G-90/004 OSWER Directive 9360.4-01). April.
- Weston Solutions, Inc. 2007. *Preliminary Assessment Report for Cove Transfer Station, Cove, Arizona, prepared for the U.S. EPA Region 9 EPA ID No.: NNN000906016*. August.



# Appendix A

## Site Photographs





**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 1**

**Date:** September 20, 2012

**Direction:** North

**Photographer:** N. Ellis

**Location:** TS1 South Excavation Zone

**Description:** View following natural vegetation removal.



**PHOTO 2**

**Date:** September 26, 2012

**Direction:** Northwest

**Photographer:** N. Ellis

**Location:** Cove School

**Description:** View of the designated SOUTH and EAST airborne particulate sampling locations.



**PHOTO 3**

**Date:** September 28, 2012

**Direction:** Northwest

**Photographer:** N. Ellis

**Location:** TS1 South Excavation Zone

**Description:** View during 12 inch soil excavation and removal.



**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 4**

**Date:** September 29, 2012

**Direction:** North

**Photographer:** N. Ellis

**Location:** TS1 South Excavation Zone

**Description:** View following 12 inch soil excavation and removal.



**PHOTO 5**

**Date:** November 9, 2012

**Direction:** North

**Photographer:** J. LeVangie

**Location:** TS1 South Excavation Zone

**Description:** View following clean backfill and compaction.



**PHOTO 6**

**Date:** September 29, 2012

**Direction:** South

**Photographer:** N. Ellis

**Location:** TS1 North Excavation Zone

**Description:** View south of the residential structure and east of the access drive during 12 inch soil excavation and removal.



**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 7**

**Date:** October 29, 2012

**Direction:** North

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View south of the residential structure following 12 inch soil excavation and removal.



**PHOTO 8**

**Date:** October 29, 2012

**Direction:** South

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of 18 inch soil excavation immediately west of the residential structure.



**PHOTO 9**

**Date:** October 29, 2012

**Direction:** North

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of 6 to 12 inch soil excavation immediately east of the residential structure.



**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 10**

**Date:** October 29, 2012

**Direction:** West

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of 6 to 12 inch soil excavation east of the residential structure.



**PHOTO 11**

**Date:** October 19, 2012

**Direction:** East

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of western facing slope following 12 inch soil excavation and removal.



**PHOTO 12**

**Date:** October 31, 2012

**Direction:** Northeast

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of clean backfill placed over excavation located west of the residential structure.



**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 13**

**Date:** November 2, 2012

**Direction:** North

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of clean backfill placed over soil excavation area located west of the residential structure.



**PHOTO 14**

**Date:** November 6, 2012

**Direction:** West

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of clean backfill placed east of the residential structure.



**PHOTO 15**

**Date:** November 2, 2012

**Direction:** North

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of clean backfill placed along the western slope and around the residential homesite.



**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 16**

**Date:** November 5 2012

**Direction:** Southwest

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of clean backfill placement along the fence line adjacent to Navajo Route 33.



**PHOTO 17**

**Date:** November 6, 2012

**Direction:** Northeast

**Photographer:** J. LeVangie

**Location:** TS1 North Excavation Zone

**Description:** View of clean backfill placed along the western slope and fence line adjacent to Navajo Route 33.



**PHOTO 18**

**Date:** September 26, 2012

**Direction:** West

**Photographer:** N. Ellis

**Location:** TS2 Stockpile

**Description:** Soil placement at north end during initial removal loads from TS1.



**COVE TRANSFER STATION SITES 1 AND 2**  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona



**PHOTO 19**

**Date:** October 19, 2012

**Direction:** Southwest

**Photographer:** J. LeVangie

**Location:** TS2 Stockpile

**Description:** Eastern stockpile wall, east water access road, and EAST2 particulate sampling location.



**PHOTO 20**

**Date:** November, 7, 2012

**Direction:** South

**Photographer:** J. LeVangie

**Location:** TS2 Stockpile

**Description:** View of the final eastern stockpile slope.



# Appendix B

## Cultural Resources Report

---





**ARCHAEOLOGICAL INVENTORY REPORT DOCUMENTATION PAGE (HPD APR/93)**

1. **HPD REPORT NO.**
2. **TITLE OF REPORT:** A Cultural Resources Inventory Survey for Environmental Quality Management, Inc. Two Transfer Stations Uranium Contamination Clean Up Projects in Cove, Apache County, Arizona
3. **FIELDWORK DATE:** August 23, 2012
4. **REPORT DATE:** August 28, 2012
5. **CONSULTANTS NAME AND ADDRESS:** CSWTA, Inc.  
Post Office Box 790  
Tuba City, Arizona 86045
6. **PERMIT NO.:** B12515
7. **CONSULTANT REPORT NO.:** CSWTA-ARCH-2012067
8. **SPONSOR NAME AND ADDRESS:** Environmental Quality Management  
6825 216<sup>th</sup> Street SW, Suite J.  
Lynnwood, Washington 98036
9. **SPONSOR REPORT NO.:** NA
10. **AREA OF EFFECT:** 13.23 ac  
**TOTAL AREA SURVEYED:** 18.02 ac
11. **LOCATION (MAP ATTACHED):**
  - a. **Chapter:** Cove
  - b. **Agency:** Shiprock
  - c. **County:** Apache
  - d. **State:** Arizona
  - e. **Land Status:** Navajo Tribal Trust Lands
  - f. **UTM Zone 12:**  
Transfer Station #1: 4047620N, 659600E  
Transfer Station #2: 4050300N, 660940E
  - g. **Legal:** Transfer Station #1: T36N, R29E, Section 3  
Transfer Station #2: T37N, R29E, Section 26
  - h. **7.5" Map(s):** Cove, AZ
  - i. **Lead Agency:** BIA and/or EPA
12. **REPORT ATTACHMENTS:**
  - a. **Description of Undertaking:** The proposed undertaking will involve the clean up of uranium contamination for the two-transfer station site on approximately 13.23 acres. Transfer Station #1 has a northern (B) and southern (A) locations (see figure 1). Transfer Station #1-A measures approximately 200 feet by 315 feet parcel of land. The total area of potential effect for Transfer Station #1-A equals 63,000 square feet or 1.44 acres. Transfer Station #1-B measures approximately 700 feet by 390 feet parcel of land. The total area of potential effect for Transfer Station #1-B is 273,000 square feet or 6.26 acres. Transfer Station #2 measures approximately 875 feet by 250 feet parcel of land. The total area of potential effect equals 240,625 square feet or 5.52 acres. Total area of potential effect for Transfer Stations #1 and #2 equals 576,625 square feet or 13.23 acres. Ground disturbance is expected to be intensive and extensive from the use of heavy equipment.
  - b. **Existing Data Review:** A check at the Navajo Nation Historic Preservation Department (NNHPD) site files indicated that six sites were previously recorded within 300 feet of the



project area. Site #AZ-1-26-39 (also known as Site #LAC-N33-31) is within the transfer station #1 and was located. This site is an Anasazi multiple room locus dating from A.D. 1000 to 1300. This site will not be impacted, but we relocated and flagged the site plus 50 feet around the boundary. Six projects were previously reported: #HPD 05-397, #HPD 96-116, #HPD 99-438, #HPD 02-935 and #HPD 01-052.

- c. **Area Environmental and Cultural Setting:** The project areas are situated at an elevation between 6,104 to 6,486 feet above mean sea level. Transfer Stations #1 and #2 are on a 13.23 acre parcel of land. At the northern end of transfer station #1 the Tom and Rose Begay's homesite has a doublewide mobile home and storage shed on approximately one acre of land. Vegetation consists of Bermuda grass, sagebrush, greasewood, cedar shrubs, sand dropseed, cliffrose, yarrow, Russian thistle, pinon-juniper, banana yucca, bee plant, rabbitbrush, prickly pear, gamble oak, wild cabbage, and snakeweed. The nearest water resources are Cove Wash to the north and several unnamed drainages to the east, west and south. The contemporary cultural setting is modern Navajo. The prehistoric use was Anasazi.
- d. **Field Methods:** Carol S. Yazzie-Ward and Loretta Flatrock walked subparallel transects spaced 10-12 meters apart to survey for cultural resources. The survey included a buffer zone of 50 feet around the perimeter of each of the transfer station. The total area surveyed equaled 785186 square feet or 18.02 acres. Mr. Tom Begay, homesite leasee and Ms. Lorraine Johnson, Community Service Coordinator for the Cove Chapter, were interviewed for knowledge of Traditional Cultural Properties or sacred places.

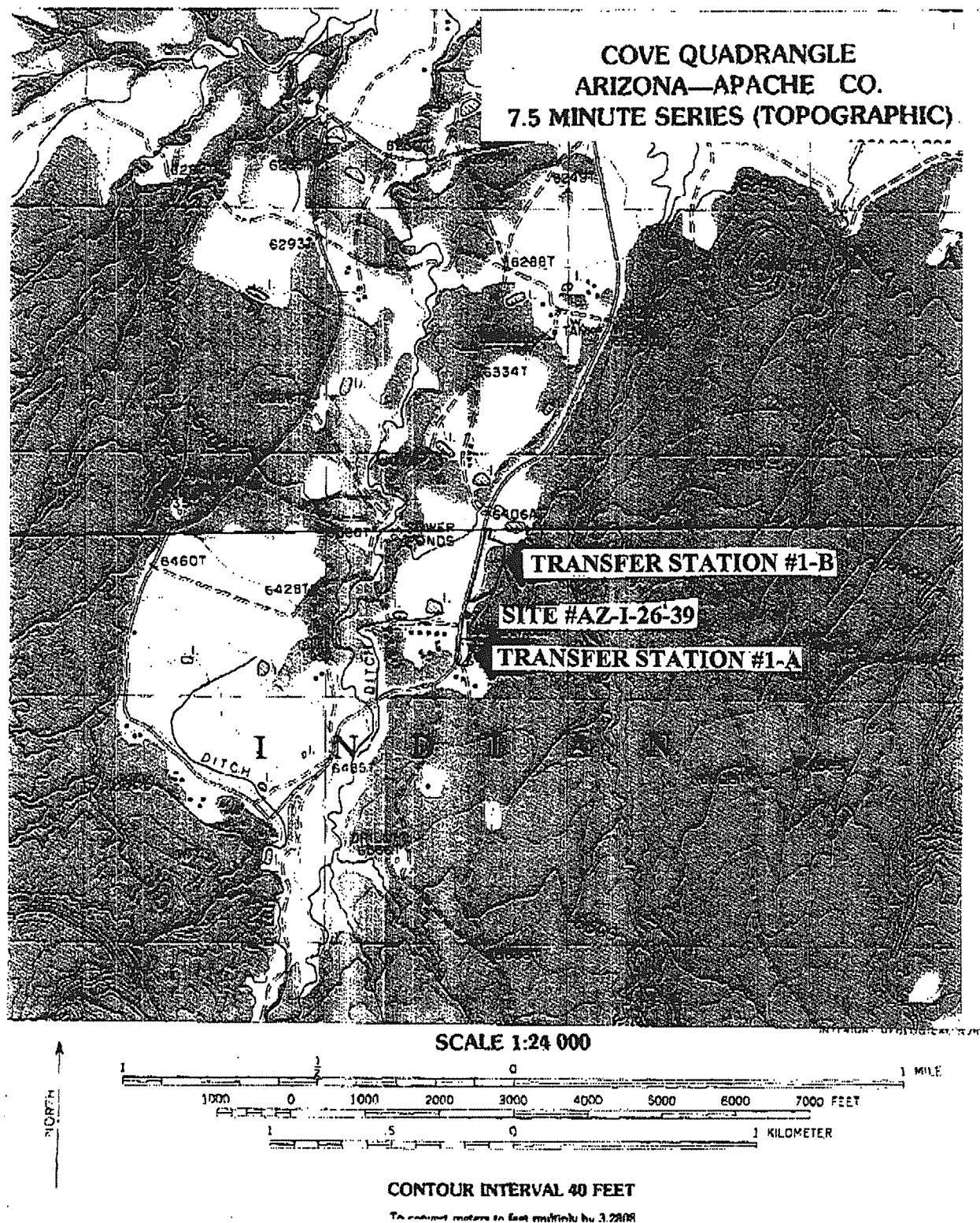
### 13. CULTURAL RESOURCES FINDINGS:

- a. **Location/Identification of Each Resource:** Site #AZ-I-26-29 was original recorded by La Plata Archaeological Consultants in 1991 during the initial survey of N33 road (#HPD-91-052). Then NNAD relocated and re-recorded the site in 1994 (#HPD 91-052.2). According to EQM's this site will not be impacted, because it is not in an area that is contaminated. CSWTA, Inc. relocated site on the transfer station #1 between the two contaminated area A and B; and flagged the site boundary, plus 50 feet around site # AZ-I-26-39. No other cultural resources were inventoried and no sacred places were reported.
- b. **Evaluation of Significant of Each Resource:** According to NNAD's report site #AZ-I-26-39 is eligible under National Register criterion "a" located on transfer station #1. No significant findings were made on Transfer Station #2.

14. **MANAGEMENT SUMMARY (Recommendation):** Archaeological clearances are recommended for removal and cleanup of the transfer station #1 and #2 under Environmental Quality Management guidelines. Transfer #1: site #AZ-I-26-39 will be avoided by all ground disturbing activities by a minimum of 50 feet from the site boundary and has been flagged by a qualified archaeologist prior to all ground disturbing activities.

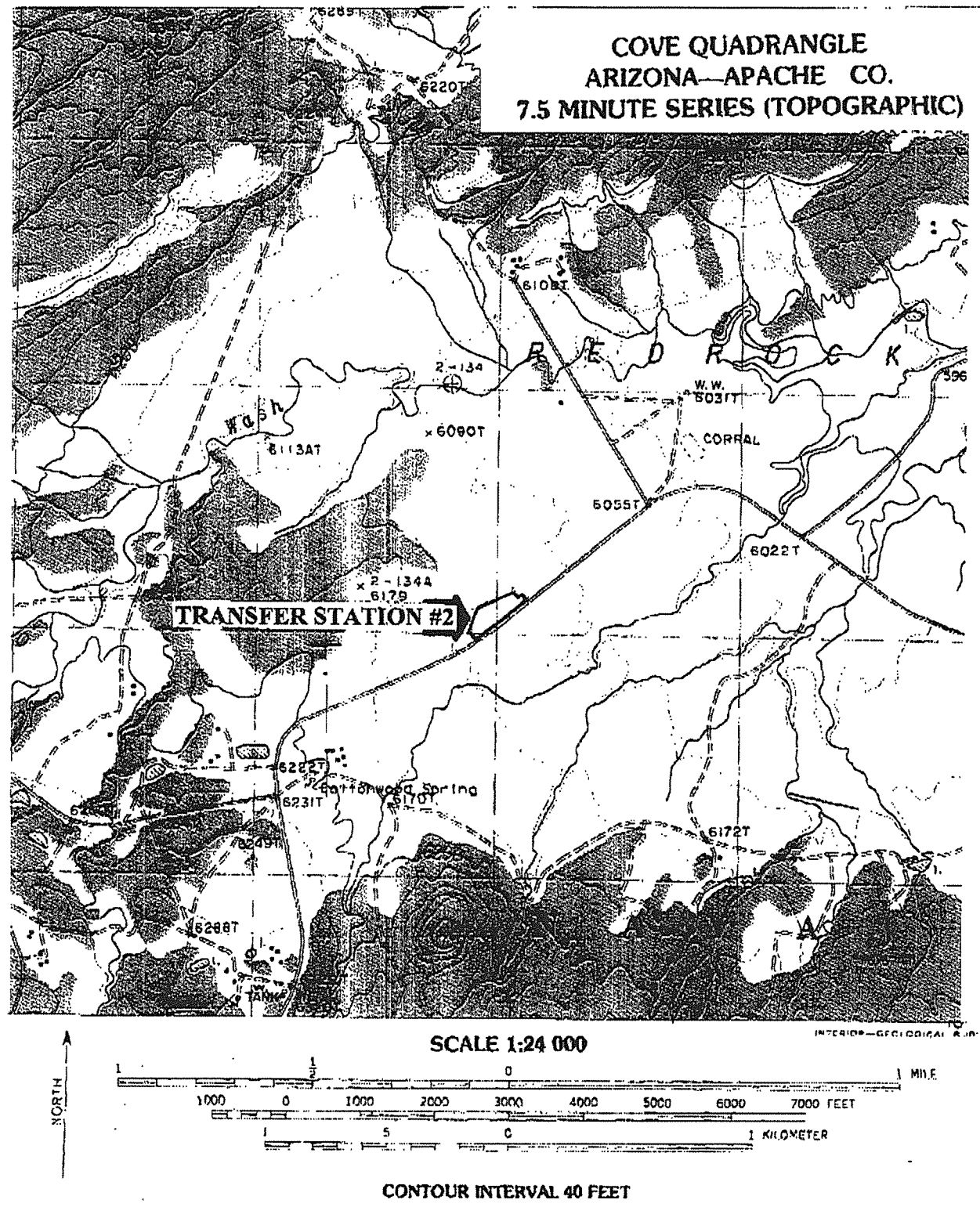
15. **CERTIFICATION:** Signature: \_\_\_\_\_ Date: 10/17/2012  
 General Charge Name: Loretta Flatrock  
 Signature: \_\_\_\_\_ Date: 10/17/2012  
 Direct Charge Name: Carol S. Yazzie-Ward





**Figure 1.** Transfer station #1 (A and B) project area with Site #AZ-I-26-39 plotted on USGS Cove Quadrangle, 7.5-minute series, Apache County, Arizona within the Cove Chapter.





**Figure 2. Transfer station #2 project area plotted on USGS Cove Quadrangle, 7.5-minute series, Apache County, Arizona within the Cove Chapter.**



# Appendix C

## Sampling and Analysis Plan

---





**Sampling and Analysis Plan  
Cove Transfer Station Sites 1 and 2  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona**

**START Contract No.: EP-S5-08-01**

**TDD No.: TO2**

**E & E Project No.: EE-002693-**

**September 2012**

**Prepared for:**

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Emergency Response Section, Region 9  
75 Hawthorne Street  
San Francisco, California 94105**

**Prepared by:**

**ECOLOGY AND ENVIRONMENT, INC.  
1940 Webster Street, Suite 100  
Oakland, California 94612**



## **Superfund Technical Assessment and Response Team**

Sampling and Analysis Plan  
Cove Transfer Stations Sites 1 and 2  
Abandoned Uranium Mine Waste Removal Action

START Contract No.: EP-S5-08-01

TDD No.: TO2-

E & E Project No.: EE-002693-

September 2012

Approved by: \_\_\_\_\_  
David Neil Ellis, START Project Manager  
Ecology and Environment, Inc.

Approved by: \_\_\_\_\_  
Howard Edwards, START Quality Assurance Coordinator  
Ecology and Environment, Inc.

Approved by: \_\_\_\_\_  
Maggie Waldon, Federal On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 9



# Table of Contents

Section	Page
<b>1</b>	<b>Introduction ..... 1-1</b>
1.1	Project Organization..... 1-2
1.2	Distribution List ..... 1-2
1.3	Statement of the Specific Problem ..... 1-2
<b>2</b>	<b>Site Information ..... 2-1</b>
2.1	Site Location ..... 2-1
2.1.1	Transfer Station 1 ..... 2-1
2.1.2	Transfer Station 2 ..... 2-1
2.1.3	Regional Background Site..... 2-1
2.2	Site Description ..... 2-1
2.2.1	Transfer Station 1 ..... 2-1
2.2.2	Transfer Station 2 ..... 2-2
2.2.3	Regional Background Site..... 2-2
2.3	Site Background ..... 2-2
2.4	Previous Investigations ..... 2-3
<b>3</b>	<b>Project Objectives ..... 3-1</b>
3.1	Project Task/Sampling Objectives ..... 3-1
3.2	Site Specific Derived Concentration Guidance Level and Derived Air Concentration ..... 3-1
3.2.1	Derived Concentration Guidance Level (DCGL) ..... 3-1
3.2.2	Derived Air Concentration (DAC) ..... 3-2
3.4	Data Quality Objectives ..... 3-3
3.5	Schedule of Sampling Activities ..... 3-3
3.6	Special Training Requirements/Certifications ..... 3-3
<b>4</b>	<b>Sampling Rationale and Design..... 4-1</b>
4.1	Background Sampling ..... 4-1
4.1.1	Background Surface Soil Gamma Activity Scans..... 4-1
4.1.2	Background Air Sampling..... 4-1
4.2	Preliminary Surface Gamma Activity Scans..... 4-1
4.3	TS1 Confirmation Soil Sampling and Surface Gamma Activity Scans..... 4-2
4.4	Surface Soil Sampling for Respirable Particulates ..... 4-2
4.5	Air Sampling ..... 4-3
4.6	Contaminants of Concern..... 4-3



## Table of Contents (cont.)

Section	Page
<b>5</b>	<b>Request for Analyses.....5-1</b>
5.1	Field Analysis..... 5-1
5.1.1	Soil Samples ..... 5-1
5.1.2	Air Samples ..... 5-1
5.2	Laboratory Analysis ..... 5-2
5.2.1	Soil Samples ..... 5-2
5.2.2	Air Samples ..... 5-2
<b>6</b>	<b>Field Methods and Procedures .....6-1</b>
6.1	General Procedures ..... 6-1
6.1.1	Equipment ..... 6-1
6.1.2	Equipment Maintenance..... 6-1
6.1.3	Inspection/Acceptance Requirements for Supplies and Consumables ..... 6-2
6.1.4	Logbooks ..... 6-2
6.1.5	Photographs ..... 6-3
6.1.6	Electronic Sample Logging ..... 6-3
6.1.7	Mapping Equipment ..... 6-3
6.2	Sampling Procedures ..... 6-3
6.2.1	Surface Soil Collection Procedure ..... 6-4
6.2.1.1	Confirmation soil samples ..... 6-4
6.2.1.2	Potentially Respirable Surface Soil Samples..... 6-4
6.2.2	Air Sample Collection Procedure..... 6-4
6.3	Field Analytical Procedures ..... 6-5
6.3.1	Gamma Activity in Soil..... 6-5
6.3.2	Gamma Activity in Potentially Respirable Surface Soils ..... 6-5
6.3.3	Alpha Activity in Air..... 6-5
6.4	Field Decontamination Procedures ..... 6-6
<b>7</b>	<b>Disposal of Investigation-Derived Waste.....7-1</b>
<b>8</b>	<b>Sample Identification, Documentation and Shipment .....8-1</b>
8.1	Sample Nomenclature ..... 8-1
8.1.1	Soil Samples ..... 8-1
8.1.2	Air Samples ..... 8-1
8.1.3	Field Blanks..... 8-1
8.2	Container, Preservation, and Holding Time Requirements..... 8-1
8.3	Sample Labeling, Packaging, and Shipping..... 8-2
8.4	Chain-of-Custody Forms and QA/QC Summary Forms..... 8-3
<b>9</b>	<b>Quality Assurance and Control (QA/QC) .....9-1</b>
9.1	Field Quality Control Procedures..... 9-1
9.1.1	Field Blanks..... 9-1
9.1.2	Assessment of Sample Variability (Field Duplicate or Co-located Samples) ..... 9-1



## Table of Contents (cont.)

Section	Page
9.1.3 Confirmation Samples .....	9-1
9.1.4 Field Analytical Quality Control Procedures .....	9-1
9.1.4.1 Gamma Activity Measurements .....	9-1
9.1.4.2 Alpha Activity Analysis by Ludlum 3030 .....	9-2
9.2 Analytical and Data Package Requirements .....	9-2
9.3 Data Management .....	9-3
9.4 Data Validation .....	9-3
9.5 Field Variances.....	9-5
9.6 Assessment of Project Activities .....	9-5
9.6.1 Assessment Activities .....	9-5
9.6.2 Project Status Reports to Management .....	9-5
9.6.3 Reconciliation of Data with DQOs .....	9-5
<b>10 Report References .....</b>	<b>10-1</b>
<b>A Data Quality Objective Process Worksheet.....</b>	<b>A-1</b>
<b>B Site Specific Health and Safety Plan .....</b>	<b>B-1</b>
<b>C Standard Operating Procedures .....</b>	<b>C-1</b>





# List of Tables



<b>Table</b>	<b>Page</b>
Table 3-1 Data Quality Indicator Goals – Soil and Air Samples .....	3-5
Table 5-1 Assessment Sampling and Analysis Summary – Soil.....	5-4
Table 5-2 Assessment Sampling and Analysis Summary – Air.....	5-5





# List of Figures



<b>Figure</b>	<b>Page</b>
Figure 2-1 Site Location Map .....	2-5
Figure 2-2 Transfer Station 1 Proposed Soil Excavation Boundaries .....	2-6
Figure 2-3 Transfer Station 2 Proposed Soil Placement Boundary .....	2-7
Figure 4-1 Transfer Station 1 Proposed Soil Confirmation Sample Locations .....	4-4



## List of Abbreviations and Acronyms

$\mu\text{R/hr}$	micro roentgens per hour
$\mu\text{Ci/cc}$	micro Curies per cubic centimeter
AUMW	Abandoned Uranium Mine Waste
bgs	below ground surface
cpm	counts per minute
DAC	Derived Air Concentration
DCGL	Derived Concentration Guidance Level
DOE	United States Department of Energy
DQOs	Data Quality Objectives
DQIs	Data Quality Indicators
E & E	Ecology and Environment Inc.
ERS	Emergency Response Section
FOSC	Federal On-Scene Coordinator
GEL	GEL Laboratories, LLC.
GPS	Global Positioning System
HASL	United States Department of Energy Health and Safety Laboratory
IDW	Investigation Derived Waste
Kerr-McGee	Kerr-McGee Oil Industries, Inc.
LCS	Laboratory Control Sample
Ludlum 3x3	Ludlum <sup>®</sup> Model 2241 ratemeter and detector model 44-20 with 3-inch x 3-inch sodium iodide gamma scintillator
Ludlum 3030	Ludlum <sup>®</sup> Model 3030 Alpha/Beta Counter
MARRSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MS/MSD	Matrix Spike/Matrix Spike Duplicate
mV	milliVolts
NAMLRP	Navajo Abandoned Mine Land Reclamation Program
NNEPA	Navajo Nation Environmental Protection Agency
NRC	United States Nuclear Regulatory Commission



## List of Abbreviations and Acronyms (cont.)

pCi	picocuries
pCi/g	picocuries per gram
PPE	Personal Protective Equipment
PRG	Preliminary Remediation Goal
QA	Quality Assurance
QC	Quality Control
QASP	Quality Assurance and Sampling Plan
R <sup>2</sup>	Coefficient of Determination
Ra-226	radium-226
Ra-226+d	radium-226 plus daughter progeny
RAT	Rapid Assessment Tool
Rn-222	radon-222
SAP	Sampling and Analysis Plan
SOP	Standard Operating Procedure
START	Superfund Technical Assessment and Response Team
Th-230	thorium-230
Th-232	thorium-232
TDD	Technical Direction Document
TS1	Transfer Station 1
TS2	Transfer Station 2
U-238	uranium-238
U.S. EPA	United States Environmental Protection Agency
VSP	Visual Sample Plan



# 1 Introduction

The United States Environmental Protection Agency (U.S. EPA) Region 9 Emergency Response Section (ERS) tasked Ecology and Environment, Inc.'s (E & E's) Superfund Technical Assessment and Response Team (START) to support a U.S. EPA Removal Action at the Cove Transfer Station 1 (TS1) and Cove Transfer Station 2 (TS2) sites located in Cove, Apache County, Arizona. TS1 and TS2 belong to the Cove Chapter of the Navajo Nation Native American Reservation (Navajo). These removal actions are being performed under E & E's U.S. EPA Region 9 START Contract number EP-S5-08-01, under Technical Direction Document (TDD) number 09-10-06-0002.

Between November 2011 and August 2012 the U.S. EPA and START collected data from both TS1 and TS2 related to the presence of residual abandoned uranium mine waste (AUMW). The data collection efforts were part of a U.S. EPA removal assessment documented in the reports: *"Cove Transfer Station Sites 1 and 2, Abandoned Uranium Mine Waste Removal Assessment Report, Cove, Apache County, Arizona"* February 2012 (E & E, 2012a); and, *"April 2012 Cove Transfer Station 1 (TS1) Field Assessment; Addendum Letter Report to the Cove Transfer Station Sites 1 and 2 Abandoned Uranium Mine Waste Removal Assessment Report, Cove, Apache County, Arizona February 2012"* August 2012 (E & E, 2012b). Results from these removal assessments defined areas of concern at both TS1 and TS2 where a removal action would be required to mitigate elevated gamma radiation activity concentrations in soil.

The purpose of the proposed environmental data collection presented in this Sampling and Analysis Plan (SAP) is to assist the U.S. EPA in completing a soil removal action at TS1, and stockpiling the soils removed from TS1 on top of the area impacted by AUMW at TS2. During the soil removal operations, soil sampling and gamma radiation activity scans of the removal area at TS1 will be required to confirm that gamma radiation activity concentrations in site soils are below the U.S. EPA-established Derived Concentration Guidance Level (DCGL) (E & E, 2012a) after completion of the removal action. Air sampling will be performed during all soil removal activity to ensure that airborne contaminants produced during dust-generating activity are not migrating from the site at concentrations above the Derived Air Concentrations (DACs). Limited soil sampling prior to removal activities will also be conducted to support the selection of DACs for air sampling during the removal action.

This document serves as the SAP and will guide the project's data collection activity. This SAP describes the projects data quality objectives (DQOs), data collection rationale, quality assurance goals, and requirements for sampling and analysis activities. It also defines the sampling and data collection methods that will be used for this project. The scope of work outlined in this SAP is based on discussions with the U.S. EPA, the Navajo Nation Environmental Protection Agency (NNEPA), and the START.

The specific field sampling and chemical analysis information in this SAP was prepared in accordance with the following U.S. EPA documents: *Requirements for Quality Assurance Project Plans*, (EPA QA/R5, EPA/240/B 01/003), March 2001 (U.S. EPA, 2001); *Guidance for the Data Quality Objectives Process*, (EPA QA/G4, EPA/240/R 02/009), February 2006 (U.S. EPA, 2006); *Guidance on Choosing a Sampling Design for Environmental Data Collection*, (EPA QA/G5S, EPA/240/R 02/005) December 2002 (U.S. EPA, 2002); and, *Uniform Federal Policy for Implementing Environmental Quality System*, (EPA/505/F-03/001), March 2005 (U.S. EPA, 2005).



## **1.1 Project Organization**

The following is a list of project personnel and their responsibilities:

**EPA Task Monitor:** The U.S. EPA Task Monitor is Federal On Scene Coordinator (FOSC) Maggie Waldon. Ms. Waldon is the primary decision-maker and will direct the project, specify tasks, and ensure that the project is proceeding on schedule and is within budget. Additional duties include gaining access to the site, and coordination of communication with the START project manager, the U.S. EPA quality assurance (QA) office, the NNEPA, and the Navajo Cove Chapter community representatives.

**START Project Manager:** The START Project Manager is Mr. David Neil Ellis. The START Project Manager is responsible for implementing the SAP, coordination of project tasks and field sampling, project management, and completion of all preliminary and final reporting.

**START Quality Assurance Coordinator:** Mr. Howard Edwards is the START Quality Assurance coordinator. The QA Coordinator is responsible for the performance of tasks assigned by the START Project Manager. Specifically, Mr. Edwards is responsible for the review of project objectives, review of this SAP, and coordinating plan-related activities with the U.S. EPA.

**Principal Data Users:** Data generated during the implementation of this SAP will be utilized by the U.S. EPA Task Monitor to make decisions regarding removal actions at the site.

**Analytical Laboratory Support:** The START will use the START Basic Ordering Agreement subcontracted laboratory GEL Laboratories, LLC. (GEL), in Charleston, South Carolina, for sample analysis by definitive analytical methodologies. The START will be responsible for field sample analysis by non-definitive analytical methodologies as well as validation of the definitive laboratory data.

## **1.2 Distribution List**

Copies of the SAP will be distributed to the following persons and organizations:

- Maggie Waldon, U.S. EPA Region 9 FOSC
- E & E START Field Team
- E & E START Project Files

## **1.3 Statement of the Specific Problem**

Soils contaminated with AUMW that contain radioactive materials above the U.S. EPA-established DCGL are present at both TS1 and TS2. There is concern that residents in the vicinity of the TS1 may be potentially exposed to elevated gamma radiation activity if the contaminated soils are left in place. A removal action will be conducted at TS1 to remove soils contaminated with residual uranium bearing ore from former mining operations. During soil removal actions at the TS1, sampling will be required to confirm that the soils remaining after removal operations do not contain elevated gamma radiation activity above the site-specific DCGL. During all soil removal actions at TS1 and soil placement actions at TS2, sampling will



be required to confirm that airborne contaminants are not migrating from the site at concentrations above the DACs due to dust generating activities.



## 2 Site Information

### 2.1 Site Location

The information presented in this removal action SAP is associated with the TS1 and TS2 sites. The locations of TS1, TS2, and the regional background site are shown in Figure 2-1 and described below.

#### 2.1.1 Transfer Station 1

TS1 is located immediately east of Navajo Route 33 and 0.15 miles north of the Cove Day School in Cove, Apache County, Arizona. The geographic coordinates for the approximate center of the area of concern are 36° 33' 41.00" North latitude and 109° 13' 00.00" West longitude. The ground surface elevation at the site is 6,442 feet above sea level (Google™ Earth, aerial imagery, 2012).

#### 2.1.2 Transfer Station 2

TS2 is located immediately west of Navajo Route 33 and approximately 2.2 miles north of the Cove Day School in Cove, Apache County, Arizona. The geographic coordinates for the approximate center of the area of concern are 36° 35' 03.00" North latitude and 109° 12' 04.00" West longitude. The ground surface elevation at the site is 6,112 feet above sea level (Google™ Earth, aerial imagery, 2012).

#### 2.1.3 Regional Background Site

The regional background site is located approximately 1,300 feet southwest of Navajo Route 33 on the Navajo Cove Chapter House property, approximately 275 feet south of the Chapter House and immediately south of the Chapter House entrance road. The geographic coordinates for the approximate center of the regional background site are 36° 35' 03.35" North latitude and 109° 11' 20.5" West longitude, with a ground surface elevation of 6,053 feet above sea level (Google™ Earth, aerial imagery, 2012).

### 2.2 Site Description

The site features, land use, approximate size, and removal assessment field observations for TS1 and TS2 are described below.

#### 2.2.1 Transfer Station 1

TS1 occupies approximately 8 acres of land consisting primarily of undeveloped, open grazing land bordered by an immediately adjacent single-family residence to the north and northeast, with vacant land and two adjacent single-family residences approximately 200 feet farther to the north. To the west is Navajo Route 33 with agricultural fields beyond, vacant land is to the south, and an unpaved residential access road is located to the east with vacant land beyond. Based on field observations, TS1 is likely used by local residents as pastureland for grazing sheep and cattle.

TS1 is characterized by an approximately 2/1 and 3/1 slope beginning on the eastern portion of the site and running downward to the west, then leveling in areas ranging in length between approximately 100 feet and 50 feet before reaching Navajo Route 33. The site is largely covered by sagebrush except for a level area located in the center of the site, which has been historically impacted by mining operations and underwent a Navajo Abandoned Mine Land Reclamation Program (NAMLRP) AUMW removal action between July 2003 and July 2004 (see Section



2.4). Portions of the western-facing slope are covered with waste rock and/or waste ore that were apparently pushed up slope or deposited along the slope during mining operations. Waste rock and/or waste ore was also identified on the level portion of the western site boundary, running north to south along the existing barbed wire fence and west into the drainage culvert bordering Navajo Route 33.

The single-family residence located on the north and northeast portion of the TS1 site occupies approximately 1,600 square feet and consists of a pre-manufactured home situated on a raised foundation approximately one to two feet above ground surface. Two single-family residences are located adjacent to north boundary of contamination identified during the removal assessment. The site features and proposed soil excavation boundaries for TS1 are shown in Figure 2-2.

### **2.2.2 Transfer Station 2**

TS2 occupies approximately 6.5 acres of land consisting exclusively of undeveloped, open grazing land bordered by Navajo Route 33 to the immediate southeast and vacant land in all surrounding directions. Based on field observations, TS2 is likely used by local residents as pastureland for grazing sheep and cattle. As of August 2012, no residential structures were identified near TS2.

TS2 is characterized as level land and largely covered by sagebrush. Portions of TS2 considered to be historically impacted by mining operations are covered with residual waste rock and/or waste ore. The site features and proposed soil excavation boundaries for TS2 are shown in Figure 2-3.

### **2.2.3 Regional Background Site**

The regional background site occupies approximately 2 acres of land consisting exclusively of undeveloped, open land bordered by the Cove Chapter House access road to the north and vacant land to the west, south, and east. The regional background site is indicated in Figure 1-2.

The regional background site was selected during the November 2011 removal assessment (E & E, 2012a), its selection was based on guidelines set forth by the U.S. EPA and NNEPA, and documented in the *Background Location Selection Criteria, Prepared by U.S. EPA and NNEPA*, dated April 1, 2010 (U.S. EPA and NNEPA, 2010).

## **2.3 Site Background**

Historical operations at TS1 and TS2 included stockpiling of uranium-bearing ore from mines located in the nearby Lukachukai Mountains, housing of mining personnel, and administration of mining operations. In May 1952, Kerr-McGee Oil Industries, Inc. (Kerr-McGee) acquired property in the Lukachukai Mountains for construction of their Navajo Uranium Division and began to actively mine uranium-bearing ore in the region. In October 1954, the Kerr-McGee field camp was moved from the Mesa No. 1 mine to TS1. The Kerr-McGee mining operations field camp included several prefabricated structures that were used for field administrative offices to house and service employees during the week and to maintain fleet vehicles. During this period, uranium-bearing ore deposits from the company-run Lukachukai mines were brought down the mountain and stockpiled at TS1 and TS2. The ore was then loaded from stockpiles at TS1 and TS2 and shipped approximately 40 miles to the Shiprock Mill for processing. The ore



stockpiled at TS1 primarily came from the Mesa No. 2 mine, which produced approximately 5,000 tons of high-vanadium carnotite-tyuyamunite ore per month and was the most productive mine in the region. It is assumed that operations at TS1 and TS2 ceased no later than 1968 since the final shipments of ore were removed from the Lukachukai Mountains in May 1968. Site background information was compiled from the Preliminary Assessment Report for TS1, *Preliminary Assessment Report, Cove Transfer Station, Cove, Arizona* prepared by Weston Solutions, Inc. (Weston) dated August 2007 (Weston, 2007).

## **2.4 Previous Investigations**

The U.S. EPA Region 9 began its Abandoned Uranium Mine Project in 1994 to determine if former uranium mining activities located on the Navajo Nation posed a threat to human health or the environment. Over the course of this investigation, which lasted through January 2000, aerial radiation surveys were conducted over 1,194 square miles. In addition, over 200 water sources used for human consumption were identified and analyzed for radiation and related metal concentrations. The aerial radiation survey of the Lukachukai region identified TS1 and TS2 as having elevated radiation levels.

Information regarding investigations prior to the November 2011 U.S. EPA removal assessment was compiled from the Preliminary Assessment Report for TS1 (Weston, 2007). A radiological survey was conducted at the TS1 site by NNEPA personnel on July 23, 2003. One hundred thirty-four measurements were collected across the site from one meter above ground surface using a hand-held radiation survey meter. Approximately 72 percent of these readings were at least two times greater than the established background level of 14 micro roentgens per hour ( $\mu\text{R/hr}$ ). The highest recorded value at the site was 400  $\mu\text{R/hr}$ , which was collected from an unvegetated, discolored area at the central portion of the site (Weston, 2007).

The NAMLRP conducted a removal action at the TS1 site between July 2003 and July 2004. The NAMLRP staff surveyed the site prior to conducting the removal action to determine areas of elevated radiation. These areas, which totaled between 1 and 2 acres, were then excavated and the soils were transported back to the Lukachukai mines. Additional details of this removal action are unknown (Weston, 2007).

NNEPA staff returned to the TS1 site on July 9, 2004, to conduct an additional radiological survey following the removal action conducted by the NAMLRP. Radiological readings collected during this survey, which was conducted using the same radiation meter as the previous NNEPA survey to prevent as little variance in gamma activity readings as possible, ranged from 15 to 30  $\mu\text{R/hr}$ . Two areas, each less than 3 square feet, were identified as having elevated levels of radiation (100 and 150  $\mu\text{R/hr}$ ). These areas were located at the western portion of the property along the highway right-of-way fence line associated with Navajo Route 33 and were not included in the NAMLRP removal action conducted between July 2003 and July 2004 (Weston, 2007).

A tabulated data set of a previous investigation at TS2 was provided by NNEPA to E & E during the November 2011 removal assessment. According to this data set, a radiological survey was conducted at TS2 by NNEPA personnel on October 19, 2005. Two hundred eighty-eight measurements were collected across the site from 1 meter above ground surface using a hand-held radiation survey meter. Approximately 67 percent of these readings were at least two times



## 2. Site Information

greater than the established background level of 14  $\mu\text{R/hr}$ . The highest recorded value at the site was 330  $\mu\text{R/hr}$ , which was collected from an unvegetated, discolored area at the central portion of the site.

Based on these results, the U.S. EPA Region 9 ERS conducted a removal assessment at TS1 and TS2 between November 2011 and August 2012 (E & E, 2012a and E & E, 2012b).

Results from the U.S. EPA TS1 removal assessment indicate that surface soils with gamma activity measurements corresponding to radium-226 (Ra-226) surface soil concentrations elevated slightly above the DCGL are present to the west, south, and east of the on-site residence and in areas near residual uranium-bearing ore throughout the TS1 site. Surface soils with gamma activity measurements corresponding to Ra-226 surface soil concentrations greater than twice the DCGL are primarily located along the western facing slope of TS1; immediately adjacent to, west of, and south of the on-site residence; in the northern portion of the study area; and near the western site boundary along the existing barbed wire fence and within the Navajo Route 33 drainage culvert. Based on the lack of highly impacted subsurface soils at TS1, the data strongly suggest that surface deposition of AUMW is the source of the radioactivity and indicate that the vertical extent of elevated Ra-226 soil concentrations is primarily confined within the upper 12 inches of soil. Based on the U.S. EPA-established DCGL of 2.0 pCi/g, the removal boundary impacted by AUMW at TS1 is approximately 339,087 square feet, with an estimated average depth of 1 foot below ground surface (bgs). The estimated volume of soil that will need to be removed from TS1 is approximately 12,559 cubic yards (E & E, 2012a and E & E, 2012b).

Results from the U.S. EPA TS2 removal assessment indicate that surface soils with gamma activity measurements corresponding to Ra-226 surface soil concentrations elevated slightly above the DCGL are present in areas surrounding the central portion of the TS2 site and within the east and west drainage culverts located along Navajo Route 33. Surface soils with gamma activity measurements corresponding to Ra-226 surface soil concentrations greater than twice the DCGL are primarily located in the central portion of TS2. Based on the lack of highly impacted subsurface soils at TS2, the data strongly suggest that surface deposition of AUMW is the source of radioactivity and indicate that the vertical extent of elevated Ra-226 concentrations is primarily confined within the upper 12 inches of soil. Based on the EPA-established DCGL of 2.0 pCi/g, the removal boundary impacted by AUMW at TS2 is approximately 275,761 square feet, with an estimated average depth of 1 foot. The estimated volume of soil that will need to be removed from the TS2 is approximately 10,213 cubic yards (E & E, 2012a).



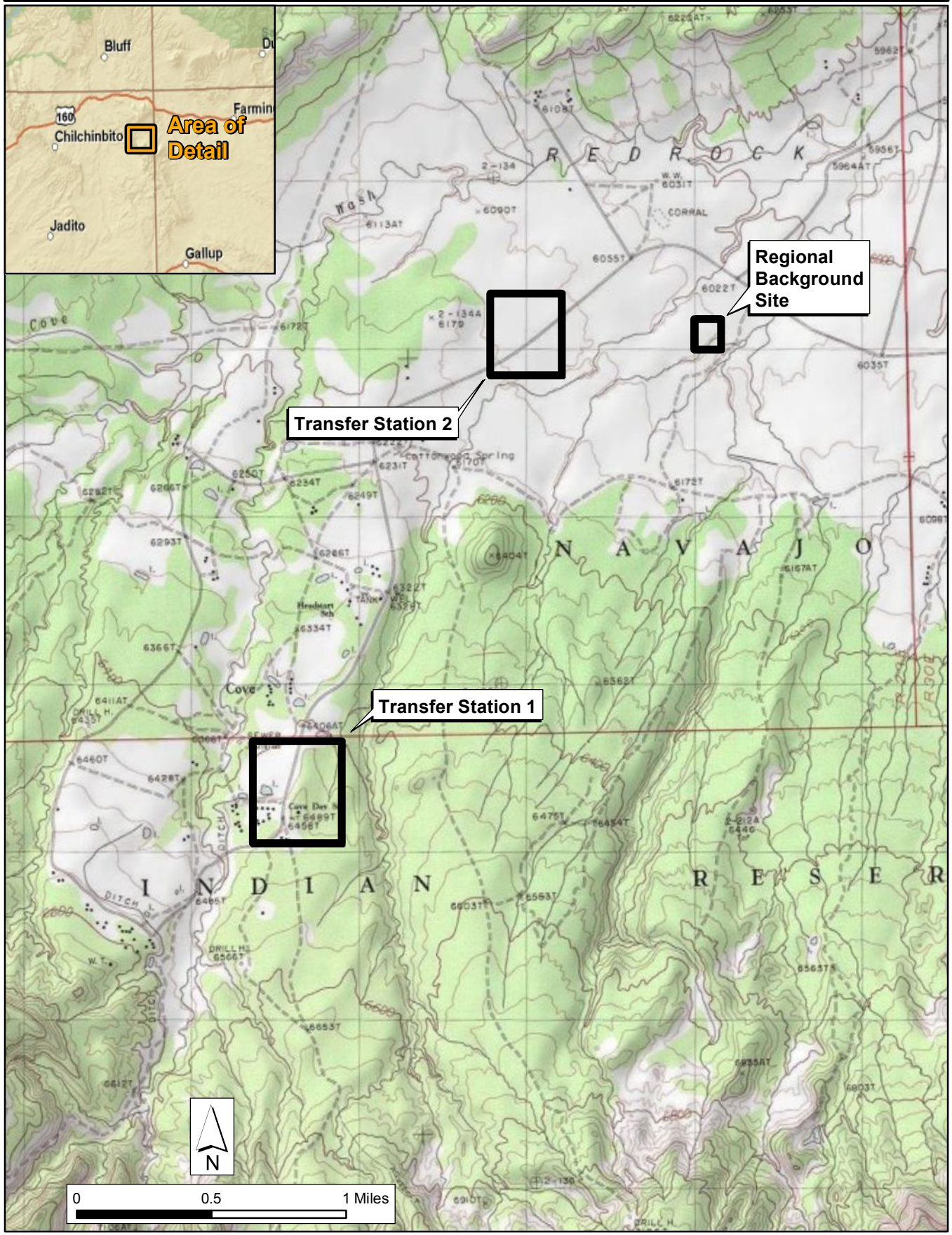
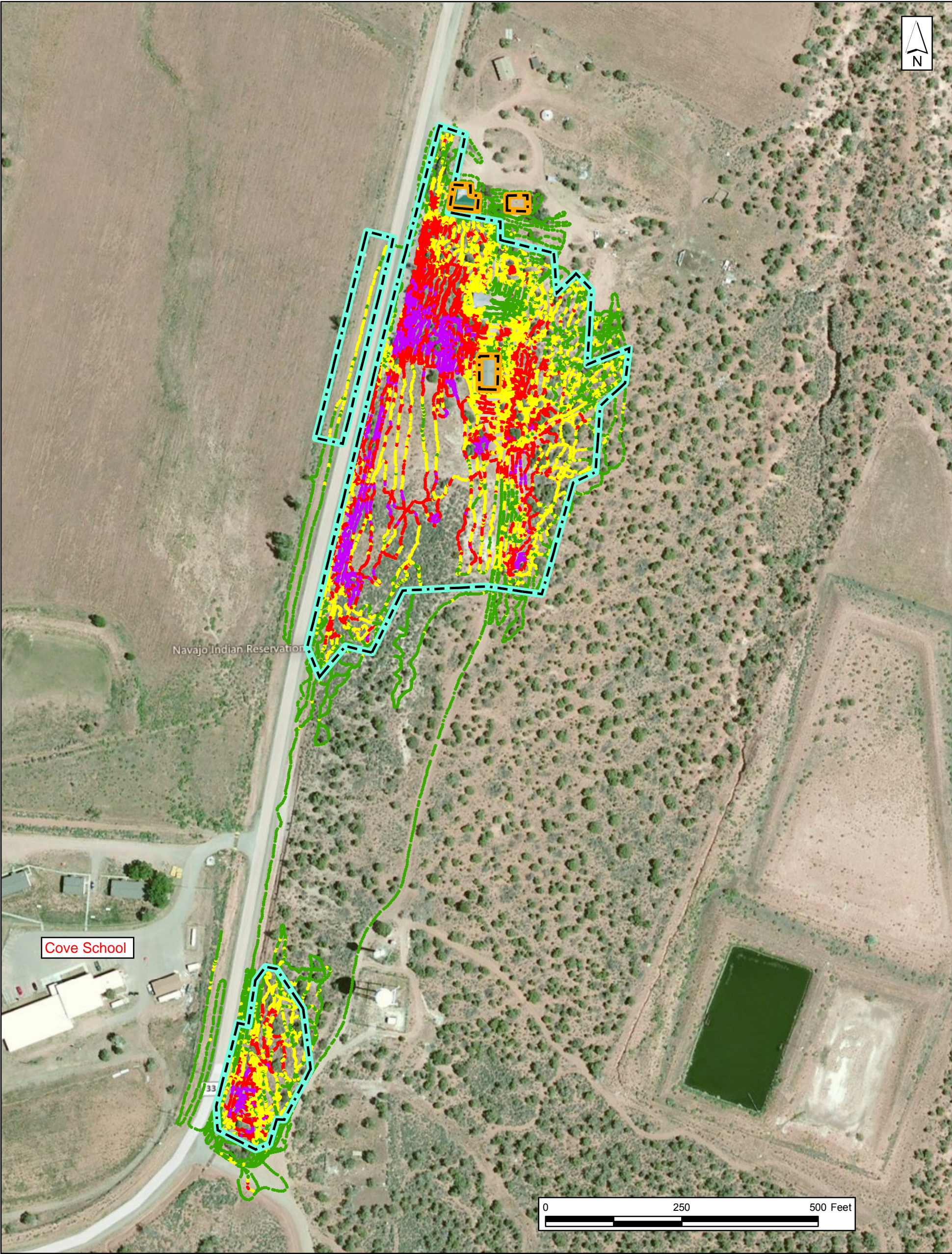


Figure 2-1  
Site Location Map

Cove, Apache County, Arizona





**LEGEND**

Proposed excavation boundary

Residential Structure

**Gamma Activity (cpm)**

0 - 36,043

36,044 - 46,907

46,908 - 79,499

>79,500

**ABBREVIATIONS**

cpm

counts per minute

pCi/g

picocuries per gram

Ra-226

Radium-226

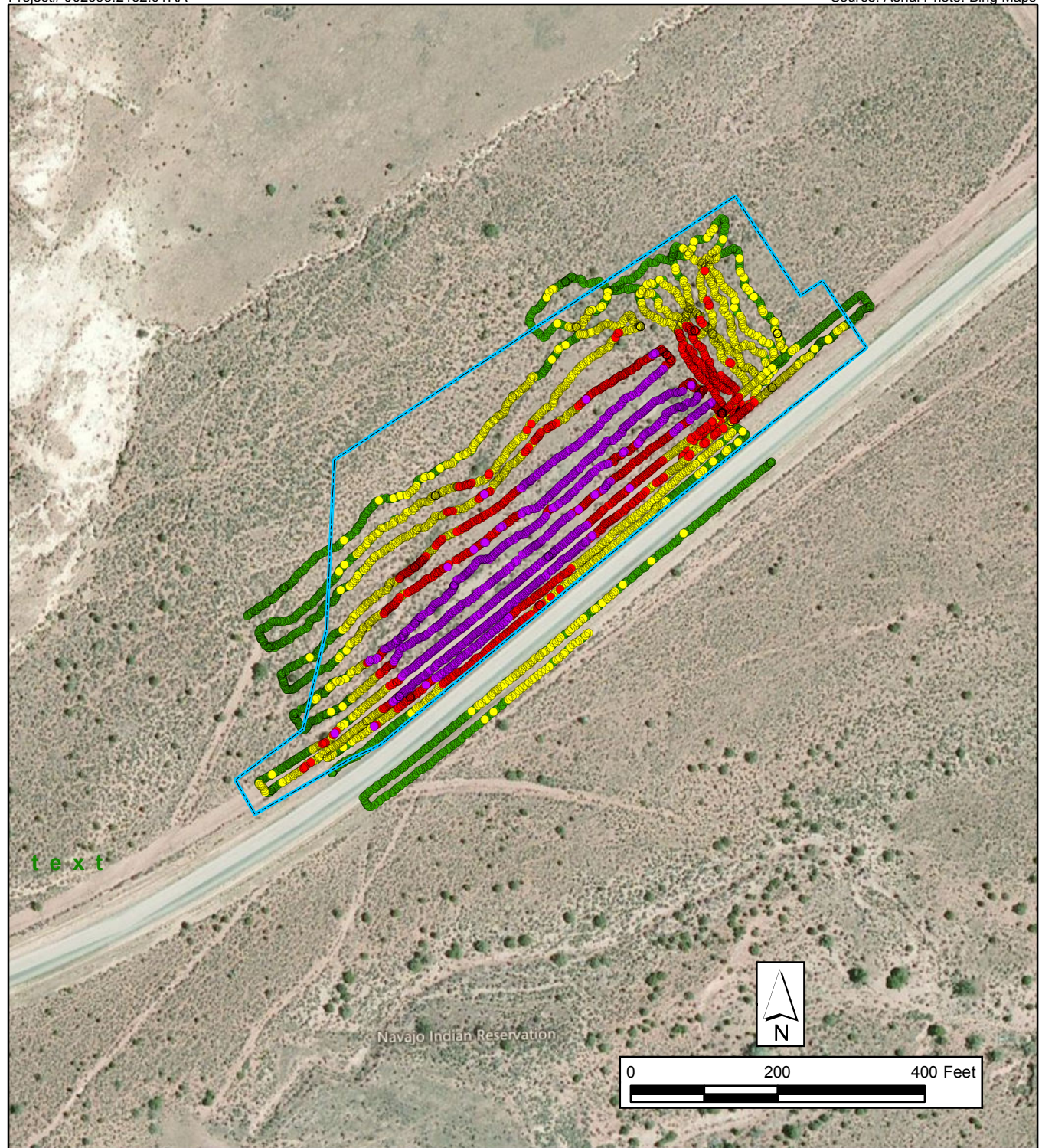
Gamma Activity (cpm)	Correlated Ra-226 Concentration (pCi/g)
0-36,043	0-2.0
36,044-46,907	2.1-4.0
46,908-79,499	4.1-10.0
>79,500	>10.1

**Figure 2-2**  
**Transfer Station 1**  
**Proposed Soil Excavation**  
**Boundaries**


**Cove, Apache County, Arizona**

ecology and environment, inc.  
International Specialists in the Environment





### LEGEND

 Proposed soil placement boundary

### Gamma Activity (cpm)

- 0 - 36,043
- 36,044 - 46,907
- 46,908 - 79,499
- >79,500

### ABBREVIATIONS

cpm      counts per minute  
 pCi/g      picocuries per gram  
 Ra-226      Radium-226

Gamma Activity (cpm)	Correlated Ra-226 Concentration (pCi/g)
0 - 36,043	0 - 2.0
36,044 - 46,907	2.1 - 4.0
46,908 - 79,499	4.1 - 10.0
>79,500	>10.1

**Figure 2-3**  
**Transfer Station 2**  
**Proposed Soil Placement**  
**Boundary**

**Cove, Apache County, Arizona**



# 3 Project Objectives

## 3.1 Project Task/Sampling Objectives

The data generated by implementing this SAP will be used to evaluate whether the objectives of the proposed removal action have been achieved. Surface soil sampling and surface soil gamma activity scan results will be reviewed to confirm that residual Ra-226 concentrations in soils remaining after the removal action at TS1 are below the site-specific DCGL. Limited surface soil sampling at TS1 will also be conducted to support the selection of DAC levels for air samples collected during the removal action. Air sampling results will be reviewed to ensure that no off-site migration of airborne contaminants at unacceptable concentration levels is occurring during the removal action.

The U.S. EPA tasked the START to prepare this SAP to support the environmental data collection activities needed to document implementation and completion of the removal actions at TS1 and TS2. Specific project objectives include the following:

- Performance of field gamma activity scans in order to document the gamma activity concentrations in soils at TS1 during removal actions and identify whether a specific area of concern requires additional excavation;
- Performance of field gamma activity scans in order to document gamma activity concentrations in soils remaining at TS1 after removal operations;
- Performance of confirmation soil sampling for definitive laboratory sample analysis in order to validate the field gamma activity scan data at TS1 after soil removal operations;
- Performance of limited soil sampling prior to the removal action in order to document the specific thorium species and activity concentrations in potentially respirable particulate matter derived from soils at TS1;
- Performance of air sampling in order to document the concentration(s) of contaminants of concern in airborne particulate matter (i.e., dust) migrating off site from the excavation area work zones at TS1 and TS2; and
- Identify whether or not additional engineering controls are required in order to reduce the concentration(s) of contaminants of concern in airborne particulate matter migrating off site from the excavation area work zones at TS1 and TS2.

## 3.2 Site Specific Derived Concentration Guidance Level and Derived Air Concentration

The DCGL for soil and the screening level for airborne particulate matter that will be utilized during this removal action are discussed below.

### 3.2.1 Derived Concentration Guidance Level (DCGL)

A U.S. EPA-established DCGL was used to determine the human health risks from Ra-226 concentrations in soil at the TS1 and TS2 sites (E & E, 2012a). The DCGL is defined by the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) as “a radionuclide-specific surface or volume residual radioactivity level that is related to a concentration dose or risk criterion” (MARSSIM, 2000). MARSSIM was composed under the U.S. EPA, the United States Nuclear Regulatory Commission (NRC), and the United States Department of Energy (DOE), who are responsible agencies for the release of radioactive sites following their cleanup;



it is intended to provide a nationally consistent consensus approach for conducting radiation surveys and investigations at potentially contaminated sites for federal, state, and local agencies. DCGLs may be developed with U.S. EPA guidance using default modeling input parameters, such as the current U.S. EPA Preliminary Remediation Goals (PRGs); or by using site-specific modeling parameters (e.g., exposure pathways, contamination zones, and land-use).

The DCGLs for both TS1 and TS2 were established by using the baseline U.S. EPA excess risk level for Ra-226 and daughter progeny (Ra-226+d) for residential soils. To establish the site-specific DCGLs, the PRG for residential soil at a  $10^{-4}$  excess risk level for Ra-226+d of 1.21 picocuries per gram (pCi/g) was added to the average detected background soil concentration for Ra-226 of 0.79 pCi/g to produce a DCGL of 2.0 pCi/g for soils at both TS1 and TS2 (E & E, 2012a).

The coefficient of determination ( $R^2$ ) value used to evaluate the correlation between Ra-226 surface concentrations and the surface gamma activity scan for the purposes of this removal action is based on sample location data from both TS1 and TS2 where Ra-226 surface concentrations are less than 10 pCi/g (E & E, 2012a). Surface gamma activity scan data and one-minute surface gamma activity counts collected during this removal action will be compared to the correlated Ra-226 soil concentrations of: 0 to 2 pCi/g corresponding to 0 counts per minute (cpm) to 36,043 cpm; 2 pCi/g to 4 pCi/g corresponding to 36,044 cpm and 49,907 cpm; 4 pCi/g and 10 pCi/g corresponding to 46,908 cpm and 79,499 cpm; and, greater than 10 pCi/g corresponding to greater than 79,500 cpm.

### **3.2.2 Derived Air Concentration (DAC)**

The primary concern related to airborne contaminant inhalation is due to alpha-radiation-emitting radioisotopes. The potential for contaminant migration will be evaluated by measuring alpha activity within work zones, and at upwind, crosswind and downwind perimeters of the contaminated areas and comparing detected activity to screening levels for the potential source radioisotopes, specifically alpha-emitting thorium and uranium species and associated daughter products. Based on the previous soil sampling results, the short-lived daughter products of Ra-226, which is part of the uranium-238 (U-238) decay chain, are the most likely source radioisotopes for significant alpha activity concentrations; however, the thorium-232 (Th-232) decay chain has not been ruled out as a potential source of significant alpha activity at the site.

The DAC is the concentration of radioactive material in air that will be used as the screening level during soil removal operations. The DAC is based upon an assumed air respiration exposure period of 2,000 hours in one year and considered appropriate as a conservative screening level since the soil removal operations will be significantly less than 2,000 hours. In order to be more protective of the general public and to ensure that the DACs are not exceeded at the site perimeters, the action level at which additional engineering controls will be implemented is 10 percent of the lowest applicable DAC.

The results of thorium speciation and activity concentration analysis in potentially respirable site soils containing elevated gamma activity concentrations will be used to assist in the determination of the specific DAC that will be used as the site screening level. If definitive analytical data for activity concentrations of thorium species in potentially respirable site soils is not available prior to commencing dust-generating activities at the site, the NRC DACs (10



Code of Federal Regulations Part 20, Appendix B, Table 1) for the radioisotopes Th-232 (5E-13 micro Curies per cubic centimeter ( $\mu\text{Ci/cc}$ )) and Ra-226 ( $3\text{E}-10 \mu\text{Ci/cc}$ ) will be used as the potential site screening levels, depending on the specific activity concentration decay pattern. The DAC for Th-232 was selected over the DACs for other long-lived parent radioisotope species because it is the most conservative. The Ra-226 DAC was selected over the DACs for its shorter-lived daughter products (such as radon-222 (Rn-222)) because it is more conservative.

The activity concentration value will be measured on the collected air filters each day, within 4 hours of sample collection. The alpha activity concentration will initially be compared to 10 percent of the Th-232 DAC to identify whether additional engineering controls are required. If soil sample analytical results support the elimination of Th-232 as a parent radioisotope at the site, the alpha activity concentration will be compared to 10 percent of the thorium-230 (Th-230) DAC, which is the parent isotope of Ra-226. The alpha activity concentration for each air filter will then be measured again approximately 24 hours and 48 hours after collection to identify whether the alpha activity counts are declining, which is expected due to decay. If significant decay is demonstrated, then the source radioisotopes are not alpha-emitter species that are extremely long lived, such as Th-232 or Th-230. Instead, the source radioisotopes are likely the shorter-lived alpha-emitter daughter products of the U-238 decay series such as Rn-222. If decay is demonstrated, then 10 percent of the Ra-226 DAC will be used to document whether a release of contaminants off site is occurring at unacceptable levels.

### **3.3 Data Quality Indicators (DQIs)**

Data quality indicators (DQIs) are defined as: precision, accuracy, representativeness, completeness, comparability, and method detection limits. The DQIs for this project were developed following the guidelines in the U.S. EPA *Requirements for Quality Assurance Project Plans* (U.S. EPA, 2001). All sampling procedures are documented in Section 6.2. Standard operating procedures will be followed to ensure representativeness of sample results by obtaining characteristic samples. Approved U.S. EPA methods and standard reporting limits will be used. All data not rejected will be considered complete. Table 3-1 documents the site-specific DQI goals for soil confirmation and air samples.

### **3.4 Data Quality Objectives**

The DQO process, as set forth in the U.S. EPA document, *Guidance for the Data Quality Objectives Process*, EPA QA/G-4, was followed to establish the data quality objectives for this project. An outline of the process and the outputs for this project are included in Appendix A.

### **3.5 Schedule of Sampling Activities**

The field sampling activities are anticipated to begin in September of 2012. The removal action is anticipated to begin in September of 2012 and continue for approximately one to two months. Air sampling activities and some soil sampling will begin several days prior to the start of the removal action and continue for the duration of the removal. Field scans and soil sampling will begin when excavation start and continue for the duration of the removal.

### **3.6 Special Training Requirements/Certifications**

Field sampling personnel should be trained and have experience with soil sampling at hazardous waste sites. All field samplers will be trained and familiar with global positioning systems (GPS) data collection. All field sampling personnel must have the appropriate training that complies



---

### **3. *Project Objectives***

with 29 Code of Federal Regulations 1910.120. The site-specific Health and Safety Plan, approved by E & E project management, for this removal assessment is included as Appendix B.

Analytical laboratories and laboratory personnel require specialized training, certification and experience. E & E project management must determine and verify these requirements prior to the use of any laboratory resource(s).

Analytical data validation training requires specialized training and experience. E & E project management will determine and verify that these requirements are acceptable prior to the use of any data validation resource(s).



**Table 3-1 Data Quality Indicator Goals – Soil and Air Samples  
Cove Transfer Station Sites 1 and 2  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona**

E & E Project No. EE-002693-

TDD No.

Contaminant of Potential Concern	DCGL Soil (pCi/g) <sup>1</sup>	Gamma Activity (cpm)	DAC Air (μCi/mL) <sup>2</sup>	Laboratory PQLs	Accuracy (% Recovery for LCS)	Precision (RPD [%] from Duplicates)	Percent Complete
Radium-226	2	36,044	0.3E-10	Soil: 1 pCi/g Air: 1 pCi/filter	Soil and Air: 75 – 125	Soil and Air: <35	Soil and Air: > 90
Thorium-230	N/A	N/A	0.3E-12	Air: 1 pCi/filter	Air: 75 – 125	Air: <35	Air: > 90
Thorium-232	N/A	N/A	0.5E-13	Air: 1 pCi/filter	Air: 75 – 125	Air: <35	Air: > 90

Notes:

<sup>1</sup> Site-specific DCGL for TS1 and TS2 are determined by the U.S. EPA

<sup>2</sup> Site-specific DACs are 10 percent of the NRC DACs (Code of Federal Regulations Part 20, Appendix B, Table 1)

Key:

cpm = counts per minute

LCS = Laboratory Control Sample

N/A = Not Available

pCi/g = picoCuries per gram

PQLs = Practical Quantitation Limits for GEL Laboratories, LLC

RPD = Relative Percent Difference

μCi/mL = microCuries per milliliter

2012 ecology & environment, inc.



# 4 Sampling Rationale and Design

The START reviewed available site information, including removal assessment sampling data and the U. S. EPA FOSC's objectives for this removal action, to determine the specific sampling design. During the soil removal action, confirmation soil sampling, associated one-minute gamma activity scans at the confirmation soil sample locations, and 100 percent surface gamma activity scans of an entire excavated area will be required to document that soils impacted with Ra-226 above the DCGL have been effectively removed within the boundaries of TS1. Limited surface soil sampling at TS1 prior to the soil removal activities will be conducted to document thorium speciation and associated activity concentrations in potentially respirable site soils. Perimeter and work zone air sampling will be used to document that off-site migration of contaminants at unacceptable activity concentrations is not occurring, and therefore that there is no unacceptable exposure to nearby residents or the greater public.

The proposed soil excavation boundary for TS1 is presented as Figure 2-2, and the proposed soil placement boundary at TS2 is presented as Figure 2-3. The proposed confirmation soil sampling locations at TS1 are presented as Figure 4-1. Specific air sampling locations at TS1 and TS2 will be selected on a daily basis in the field based on wind direction. The number of samples to be collected and the analyses to be performed is shown in Table 5-1 and Table 5-2, respectively. After collection, samples will be handled and analyzed according to Sections 5.1, 5.2, 6.2, and 6.3 of this SAP. Sample locations will be recorded in the field logbook as sampling is completed. Individual sample locations will be recorded using GPS equipment.

## 4.1 Background Sampling

### 4.1.1 Background Surface Soil Gamma Activity Scans

During the previous removal assessment activities, surface soil samples and gamma activity scan data were collected at 11 locations within a regional background area with similar geology to the TS1 and TS2 sites and no known or suspected impacts from mining operations (E & E, 2012a). During the removal action, one-minute gamma activity scans will be re-performed at the same 11 background locations to confirm average background gamma activity and instrument functionality.

### 4.1.2 Background Air Sampling

Prior to commencing dust-generating activities in the contaminated excavation areas, at least two air sampling pumps will be set up and run to collect between one and three sequential air samples over the course of approximately 8 to 10 hours (i.e., a standard work day) in the same regional background area selected for the background surface soil gamma activity scans (E & E, 2012a). The background air samples will be used to establish the contaminants of concern activity concentrations that are naturally occurring in the air unrelated to the site or to the removal actions occurring at TS1 or TS2.

## 4.2 Preliminary Surface Gamma Activity Scans

The proposed excavation area for TS1 is expected to be excavated to a depth of 1 foot. After an initial soil excavation is completed, the excavated area will be traversed on approximately 4-foot-wide transects by START personnel utilizing the U.S. EPA Rapid Assessment Tool (RAT) software equipped computer linked with a Ludlum 3x3 gamma detector and Global Positioning System (GPS) unit. The surface gamma activity scan data will be compared to the site's gamma



activity screening level (36,044 cpm) and used to direct additional vertical and lateral excavations in the scanned area.

### **4.3 TS1 Confirmation Soil Sampling and Surface Gamma Activity Scans**

The proposed excavation area for the TS1 is estimated to be approximately 339,087 square feet with an excavation depth of 1 foot. After the final soil excavation is completed for the entire TS1 excavation area, confirmation surface soil samples will be collected at a minimum of 13 discrete locations distributed in a triangular grid pattern over TS1. A one-minute gamma activity measurement will also be taken at each discrete sampling location prior to soil sampling. Following sample collection, the entire TS1 excavation area will then be scanned at 4-foot-wide intervals in order to collect a 100 percent surface gamma activity scan. Each data point collected from the excavation area during the 100 percent surface gamma activity scan will be evaluated as an individual confirmation sample. The number of samples that will be collected for confirmation sampling is based on guidance contained in Section 5.2.2.3 of the MARSSIM.

The 13 proposed confirmation soil sample locations selected for measurement and sampling will be the same geographic locations (same GPS coordinates) as the surface and subsurface soil samples that were collected during the November 2011 removal assessment to define the lateral and vertical extent of the proposed removal area (E & E, 2012a). These confirmation soil samples will be laboratory analyzed and then evaluated by linear regression analysis to confirm that the  $R^2$  between Ra-226 concentrations in soils and surface gamma activity scan concentrations are consistent with the removal assessment correlation values (E & E, 2012a) and valid throughout the removal action. The original November 2011 soil sample locations consisted of 13 soil samples arranged in an 80 feet x 80 feet triangular grid pattern determined by using Visual Sample Plan (VSP) software (Battelle Memorial Institute) to detect with 95 percent confidence a circular hotspot with a radius of 12.6 meters. Up to 15 additional sampling locations will be determined in the field based on the final limits of the excavation. Additional soil sample locations will be added to the edges of the grid using the same 80 feet x 80 feet triangular grid pattern.

### **4.4 Surface Soil Sampling for Respirable Particulates**

Prior to commencing dust-generating activities at the site, surface soil samples will be collected from TS1 in locations where elevated gamma activity has been previously documented, specifically from locations where the gamma activity measurements were among the top 10 to 20 percent of all measured gamma activity values. The analytical results will be used to support the determination of the DAC for air samples that will be collected during dust-generating removal activities. At least five soil samples from TS1 will be collected. Each soil sample collected will be homogenized and then sieved to screen out particles larger than approximately 2 millimeters in diameter. The fraction of particles greater than approximately 2 millimeters in diameter is not assumed to be potentially respirable through entrainment in ambient air.



### **4.5 Air Sampling**

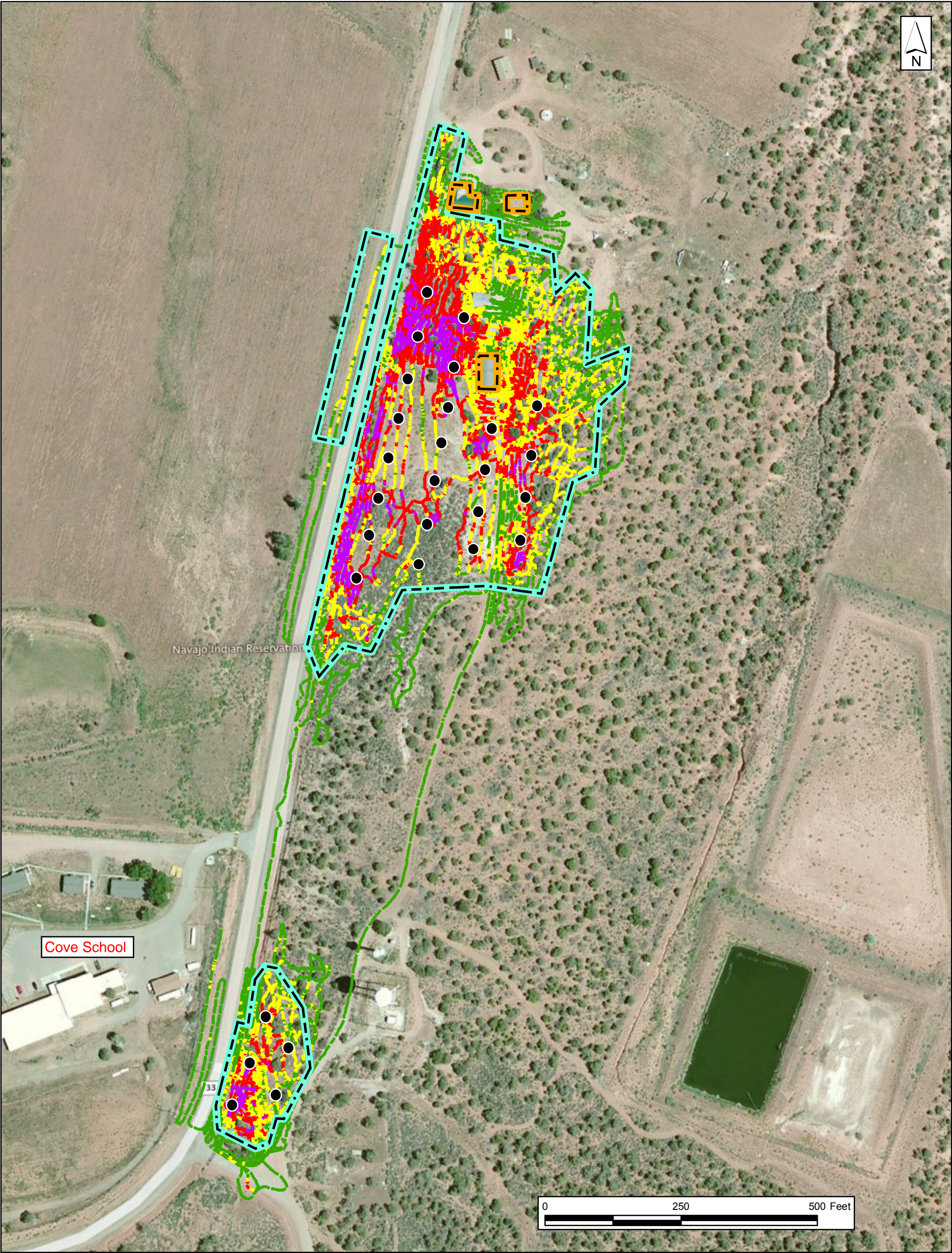
Ambient air sampling locations will be arranged to distinguish spatial trends in airborne particulate concentrations. The sampling strategy requires that the particulates downwind of the excavation, at residential locations, local school locations as well as background (upwind) concentrations, be sampled. It also allows for worst case sampling within the exclusion work zone, if needed.

Specifically, during each day of dust-generating activities that occur within the contaminated excavated areas as part of the soil removal operations at TS1 and TS2, air samples will be collected at a minimum of seven locations from TS1 and at a minimum of three locations at TS2. One sampling location will be set up within the work zone in proximity to the workers at TS1 and TS2, and one sampling location each will be set up at the upwind, crosswind, and downwind perimeter areas of the work zone at TS1 and TS2. Additional sampling locations at TS1 will be setup at the residences located north of the proposed excavation boundary and at the Cove school located west and southwest of the proposed excavation boundary. Between one and three air samples will be collected sequentially at each location for the same duration as the work activities occurring that day. Specific sampling locations for TS1 and TS2 will be established based on the location of work activities each day, as well as prevailing wind direction. The sampler locations will be situated at locations that will not interfere with the excavation or be disturbed by excavation equipment. Perimeter sampling locations are expected to be 25 to 50 feet from the excavation boundary. Residence and school sampling locations at TS1 are expected to be setup between the excavation area and the area of concern (e.g. school, residence).

### **4.6 Contaminants of Concern**

The primary contaminants of concern in soil are elevated gamma activity concentrations and Ra-226. Additionally, surface soil samples collected to support the selection of DACs for air samples will be analyzed to determine the concentration and speciation of thorium. The primary contaminants of concern are in air are elevated alpha activity concentrations. If elevated alpha activity concentrations are detected during the removal action air sampling, a minimum of 10 percent of the air samples which produced elevated alpha concentrations will be selected for definitive laboratory confirmation analysis and will be analyzed to determine the concentration and speciation of thorium; and analyzed for Ra-226 activity concentrations.





LEGEND

- Proposed excavation boundary
- Residential Structure
- Proposed Soil Sample
- Gamma Activity (cpm)**
- 0 - 36,043
- 36,044 - 46,907
- 46,908 - 79,499
- >79,500

ABBREVIATIONS

- cpm counts per minute
- pCi/g picocuries per gram
- Ra-226 Radium-226

Gamma Activity (cpm)	Correlated Ra-226 Concentration (pCi/g)
0-36,043	0-2.0
36,044-46,907	2.1-4.0
46,908-79,499	4.1-10.0
>79,500	>10.1

Figure 4-1  
Transfer Station 1  
Proposed Soil Confirmation  
Sample Locations

Cove, Apache County, Arizona





# 5 Request for Analyses

The specific field and laboratory analyses are described below. Sample containers, preservatives, holding times, and estimated number of soil and air samples are summarized in Table 5-1 and Table 5-2.

## 5.1 Field Analysis

### 5.1.1 Soil Samples

Surface soil gamma activity concentrations remaining at TS1 after soil removal activities will be measured in-situ in the field by using RAT equipped with a GPS unit and Ludlum 3x3 gamma radiation detector. The manufacturer's instructions will be used to conduct analysis. To provide quality control (QC) for the field analytical effort, the following measures will be utilized:

- Analytical precision and sensitivity of the Ludlum 3x3 instrument used for determination of surface soil gamma activity will be established during the initial days of field analysis and will be verified throughout the field effort by performing daily calibration checks (using check sources) and background checks;
- One-minute gamma activity scans will be conducted at each location selected for confirmation soil sampling and definitive laboratory analysis;
- The U.S. EPA RAT software will be equipped with the same Ludlum 3x3 as used to establish the correlation between Ra-226 activity concentrations and gamma activity concentrations in soil during the previous removal assessment (E & E, 2012a); and
- The established correlations between surface soil gamma activity concentrations and Ra-226 activity concentrations in surface soils will be continually checked and revised as new soil sampling data and data from co-located one-minute gamma activity scans are available.

### 5.1.2 Air Samples

Air samples will be collected during each day of dust-generating removal activities. The removal action is anticipated to occur over duration of approximately one to two months. Alpha activity concentrations in air particulates will be measured in the field during all dust-generating activities at TS1 and TS2 by using a Ludlum 3030. The manufacturer's instructions will be used to conduct analysis. To provide (QC) for the field analytical effort, the following measures will be utilized:

- Analytical precision and sensitivity of the Ludlum 3030 instrument in the determination of alpha activity will be established during the initial days of field analysis and will be verified throughout the field effort through calibration checks.
- Duplicate samples will be collected from ten percent of the sampling locations. Duplicate samples will be co-located air sampling pumps situated adjacent to each other and set to collect an air sample using the same approximate flow rate parameters for the same amount of time.
- Air samples may be selected at a rate of up to 10 percent of field sample measurements for confirmation laboratory analysis.



## **5.2 Laboratory Analysis**

### **5.2.1 Soil Samples**

Soil confirmation samples collected from TS1 will be submitted to GEL in Charleston, South Carolina for analysis of Ra-226 activity concentrations by the following method:

- Gamma spectroscopy with in-growth by United States Department of Energy Health and Safety Laboratory (HASL) Method 300.4.5.2.3.

To provide QC for the analytical program, the following measures will be utilized:

- Duplicate samples will be collected from ten percent of the soil confirmation sampling locations. Duplicate soil samples will be collected as a 50/50 split of the sample after collection and homogenization.
- If non-dedicated sampling equipment is used to collect soil samples at the site, a rinsate blank will be collected at a rate of one per day to evaluate decontamination procedures. The rinsate blank will be collected by pouring deionized water over the decontaminated sample collection device (e.g., hand auger or trowel) and capturing the water in the specified sample container.

Potentially respirable surface soils samples collected from TS1 prior to soil removal activities will be homogenized, sieved and then submitted to GEL in Charleston, South Carolina for determination of thorium speciation and associated activity concentrations by the following methods:

- Alpha Spectroscopy for thorium species by HASL Method 300 Th-01-RC Modified.

To provide QC for the analytical program, the following measures will be utilized:

- Duplicate samples will be collected from ten percent of the soil confirmation sampling locations. Duplicate soil samples will be collected as a 50/50 split of the sample after collection and homogenization.
- If non-dedicated sampling equipment is used to collect soil samples at the site, a rinsate blank will be collected at a rate of one per day to evaluate decontamination procedures. The rinsate blank will be collected by pouring deionized water over the decontaminated sample collection device (e.g., hand auger or trowel) and capturing the water in the specified sample container.

### **5.2.2 Air Samples**

Air samples selected for definitive laboratory confirmation analysis will be submitted to GEL in Charleston, South Carolina for determination of thorium speciation and activity concentrations by the following method:

- Alpha Spectroscopy for thorium species by HASL Method 300 Th-01-RC Modified; and
- Ra-226 activity concentrations by EPA Method 903.1 Modified.





## ***5. Request for Analyses***

To provide QC for the analytical program, the following measures will be utilized:

- Duplicate samples will be collected from ten percent of the sampling locations. Duplicate samples will be co-located air sampling pumps situated adjacent to each other and set to collect an air sample for the same amount of time.



## 5. Request for Analyses

**Table 5-1 Assessment Sampling and Analysis Summary – Soil  
Cove Transfer Station Sites 1 and 2  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona**

E & E Project No. EE-002693

TDD No. TO2

<b>Analysis</b>	<b>Ra-226 by HASL Method 300.4.5.2.3</b>	<b>Alpha Spectroscopy for thorium species by HASL Method 300 Th-01-RC Modified.</b>
Definitive or Non-Definitive	Definitive	Definitive
Matrix	Soil	Soil
Sample Container	8 ounce glass or plastic jars	8 ounce glass or plastic jars
Preservation	None	None
Analysis Holding Time	180 days	180 days
Estimated Number of Primary Samples	28	4
Estimated Number of Field Duplicate Samples	3	1
Minimum Total Site Sample Analyses	31	5
<b>Equipment Rinse Blanks (if non-dedicated equipment is used)</b>		
Sample Container	1 Liter plastic	NR
Preservation	Nitric acid (pH<2)	NR
Analysis Holding Time	180 days	NR
Number of Samples	1 per day	NR

Key:

NR = Not required since the objective is to determine the typical thorium speciation and concentrations for the site.  
Equipment blank would generate no useful data.

2012 ecology & environment, inc.



## 5. Request for Analyses

**Table 5-2 Assessment Sampling and Analysis Summary – Air  
Cove Transfer Station Sites 1 and 2  
Abandoned Uranium Mine Waste Removal Action  
Navajo Nation, Cove Chapter, Apache County, Arizona**

E & E Project No. EE-002693-

TDD No. TO2

<b>Analysis</b>	<b>Alpha Activity by Ludlum 3030</b>	<b>Radium-226<sup>1</sup> and Thorium-232<sup>2</sup></b>
Definitive or Non-Definitive	Non-Definitive	Definitive
Matrix	Particulates in Air	
Sample Container	47-millimeter diameter borosilicate glass fiber filter/ glassine envelope/ plastic bag	
Preservation	None	
Analysis Holding Time	Immediately, at 24-hours and at 48-hours	180 days
Estimated Number of Primary Samples	840 (based on 24 per day)	10 <sup>3</sup>
Estimated Number of Field Duplicate Samples	168	1 <sup>4</sup>
Minimum Total Site Sample Analyses	1008	10 <sup>3</sup>
<b>Filter Blanks</b>		
Number of Analysis Filter Blanks	1 daily	N/A
Number of Trip Filter Blanks	1 per 47-millimeter diameter borosilicate glass fiber filter batch	1 per laboratory sample delivery group

**Notes:**

<sup>1</sup> Radium-226 by U.S. EPA Method 903.1 Modified

<sup>2</sup> Thorium-232 by HASL Method 300 Th-01 -RC Modified

<sup>3</sup> Actual number of samples is dependent upon alpha activity results.

<sup>4</sup> Actual number is dependent upon whether there are duplicate samples that meet the selection criteria.

**Key:**

N/A = Not applicable

2012 ecology & environment, inc.



# 6 Field Methods and Procedures

## 6.1 General Procedures

The following sections describe the procedures and equipment that will be used during the site activities. Field activities will be conducted in accordance with these following standard methods, guidelines and Standard Operating Procedures (SOPs):

- Ecology and Environment Inc. SOP # ENV 3.13: Soil Sampling
- Ecology and Environment Inc. SOP# ENV 3.15: Sampling Equipment Decontamination
- U.S. EPA Environmental Response Team SOP #2008 General Air Sampling Guidelines
- U.S. EPA Draft Radiological Response RRSOP #501 Air Sampling
- U.S. EPA Draft Radiological Response RRSOP #501 Soil Sampling
- Ludlum 3030 & 3030E Alpha-Beta Sample Counter Technical Manual
- Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air (U.S. EPA, 1999).

These SOPs are included in Appendix C

### 6.1.1 Equipment

The equipment listed below may be utilized to obtain environmental samples from the respective media:

- Metal shovels, trowels, scoops, hand auger
- Stainless steel buckets or glass containers
- Stainless steel sieves
- Dedicated plastic baggies and disposable trowels
- Low-volume radiation air sampling pumps
- Air sample filter
- A portable meteorological station will be used to collect climate data, such as wind direction and speed, for use in evaluating air sample locations and analytical results.
- U.S. EPA RAT software equipped computer linked with a Ludlum 3x3 gamma detector and Global Positioning System (GPS) unit.
- Ludlum<sup>®</sup> Model 3030 Alpha/Beta Counter

The equipment and instruments will be operated accordance with the above sampling SOPs and instrument specific manuals.

### 6.1.2 Equipment Maintenance

Field instrumentation for the collection of soil samples will be operated and maintained by the sampling team in accordance with the SOPs listed in Section 6.1.1 or their equivalent. Field instrumentation utilized for health and safety purposes will be operated, calibrated, and



## **6. Field Methods and Procedures**

maintained by the sampling team according to the manufacturer's instruction. Equipment calibration and field use data will be recorded in the site log book.

### **6.1.3 Inspection/Acceptance Requirements for Supplies and Consumables**

There are no project-specific inspection/acceptance criteria for supplies and consumables. It is standard operating procedure that personnel will not use broken or defective materials; items will not be used past their expiration date; supplies and consumables will be checked against order and packing slips to verify the correct items were received; and the supplier will be notified of any missing or damaged items.

### **6.1.4 Logbooks**

Site logbooks will document where, when, how, and from whom any vital project information was obtained. Logbook entries will be complete and accurate enough to permit reconstruction of field activities. Logbooks are bound with consecutively numbered pages. Each page will be dated and the time of entry noted in military time. All entries will be legible, written in ink, and signed by the individual making the entries. Language will be factual, objective, and free of personal opinions. The following information will be recorded, if applicable, during the collection of each sample:

- Sample location and description
- Site sketch showing sample location and measured distances
- Sampler's name(s)
- Date and time of sample collection
- Type of sample (matrix)
- Type of sampling equipment used
- On-site measurement data (e.g., temperature, pH, conductivity)
- Field observations and details important to analysis or integrity of samples (rain, odors, etc.)
- Type(s) of preservation used
- Field instrument reading (such as Lumex readings for health and safety purposes, etc.)
- Shipping arrangements (air bill numbers)
- Receiving laboratory(ies)

Several START team members will be on site performing different duties related to sample collection, processing, and analysis. Individual logbooks will be maintained for specific activities at the site, including: sample collection, sample log-in to the field laboratory. Each logbook will document the information relevant to the site activity, and at a minimum will include:

- Team members and their responsibilities
- Time of activities
- Deviations from sampling plans, site safety plans, and SAP procedures



- Levels of safety protection
- Calibration information
- Analytical data

### **6.1.5 Photographs**

Photographs will be taken at representative sampling locations and at other areas of interest on site. They will serve to verify information entered in the field logbook. When a photograph is taken, the following information will be written in the logbook or will be recorded in a separate field photography log:

- Time, date, location, and, if appropriate, weather conditions
- Description of the subject photographed
- Name of person taking the photograph

### **6.1.6 Electronic Sample Logging**

The sampling team may utilize field management software to prepare sample labels and chain-of-custody forms.

The following information should be entered for each sample after collection:

- Sample name
- Sample date and time
- Number of Sample bottles
- Type of Preservation
- Analyses

The field team will generate chain-of-custody forms for each cooler of samples packaged and sent to a laboratory. Each chain-of-custody form will refer to the shipping method and tracking number. Printed chain-of-custody forms will be submitted to the laboratory with the samples.

### **6.1.7 Mapping Equipment**

Sample points and site features will be located and documented with a Trimble® GEO XT mapping grade GPS unit. The GPS will be used to assign precise geographic coordinates to sample locations on the site. GPS mapping will be done by personnel trained in the use of the equipment and will be completed in accordance with the manufacturer's instructions. Expected output from the use of GPS mapping will be site maps with sample locations and major site features.

## **6.2 Sampling Procedures**

All sample locations will be recorded in the site logbook as sampling is completed. Each field sampling team will document each individual sampling location on a field sampling sheet, in which includes: the site address, area sample was collected with a quick representative sketch of the area, GPS coordinates of the sample, photographs taken, date, time, and sampling team members.



**6.2.1 Surface Soil Collection Procedure****6.2.1.1 Confirmation soil samples**

Surface soil samples will be collected from a depth of 0 to 2 inch bgs. Surface samples will be collected from individual sample locations using a disposable plastic scoop or stainless steel trowel. If present, rocks will be removed from the soil sample. The soil will then be placed into an 8-ounce glass or plastic jar. Sample containers will be closed as soon as they are filled. All samples will be labeled and placed in a cooler for storage and shipping to the analytical laboratory. No preservation is required.

**6.2.1.2 Potentially Respirable Surface Soil Samples**

Surface soil samples will be collected from a depth of 0 to 2 inch bgs. Surface samples will be collected from individual sample locations using a disposable plastic scoop or stainless steel trowel. If present, rocks will be removed from the soil sample. The soil will then be placed first into a clean sample-dedicated plastic bag. Each soil sample collected will be homogenized, measured in the field for gamma activity to confirm that the soils display significantly elevated gamma activity (see Section 6.3.2), and then sieved to screen out particles larger than approximately 2 millimeters in diameter. Field gamma activity will be measured again after sieving on the soils with particles less than 2 mm in diameter. The retained fraction of particles smaller than approximately 2 millimeters in diameter will be submitted to the laboratory for analysis. The sample for laboratory analysis will be placed in an 8-ounce glass or plastic jar. Sample containers will be closed as soon as they are filled. All samples will be labeled and placed in a cooler for storage and shipping to the analytical laboratory. No preservation is required.

**6.2.2 Air Sample Collection Procedure**

Air samples will be collected by using daily calibrated RADēCO H-810 low-volume air sampling pumps equipped with 47 millimeter diameter borosilicate glass fiber filters. Flow rates will be calibrated to approximately 65 liters per minute using a calibrated flow meter. The initial and final flow rates and elapsed time of sampling will be recorded in order to calculate the total flow volume of the sample. Samples for which there is more than a 25 percent difference from initial calibration to end calibration will be invalidated. The filter will be removed from the pump and placed in a glassine envelope using tweezers. The envelope will be sealed in a plastic bag that will be labeled with the sample information. The air samples will be stored in a secure container pending field laboratory analysis or shipment to the analytical laboratory.

It is anticipated that over the course of a single work day, between one and three sequential air samples will be collected at each sampling location selected for that day. An air sample will be collected for a minimum of 240 minutes, and the exact number of air samples collected within a single day at a specific location will depend on the capacity of the filters to collect particulate matter at the expected flow rate and the amount of dust being generated.

Each day of air sampling, a portable meteorological station will be used to acquire climate data, including wind direction and speed.



### **6.3 Field Analytical Procedures**

#### **6.3.1 Gamma Activity in Soil**

At TS1 surface soil gamma activity will be measured. Gamma activity scans will be collected in situ in the field using the U.S. EPA RAT software equipped with a Ludlum 3x3 and GPS unit. Gamma activity will be determined in two ways: 1) measuring gamma activity (total counts) for one minute at a specified location (one-minute gamma activity scan), and 2) traversing 100 percent of a specified surface area to measure gamma activity in counts per minute (cpm). The one-minute gamma activity scans will be collected by holding the Ludlum 3x3 detector at 6 inches above the soil surface for one minute at each surface soil sample location prior to collection of the soil. During the surface area gamma activity scans, a START will carry the RAT software unit equipped with a Ludlum 3x3 detector approximately 6 inches above ground surface, walking at a moderate pace and covering the entire surface area in approximately 4-foot-wide back-and-forth transects. The GPS unit attached to the RAT unit will enable the START to confirm that 100 percent of the surface area has been covered. The 100 percent surface gamma activity scans will be conducted at TS1 and TS2 after soil removal operations are considered to be initially complete.

At the beginning of the project and prior to field analysis, the START will perform QC checks including an energy calibration and background check. Daily QC checks to be performed include a background check and continuing calibration verification. Initial and continuing calibration verifications will be completed using check sources with known activity levels and the Ludlum 3x3 instrument placed in the same fixed position each time. These QC checks are described in more detail in Section 9.1.

#### **6.3.2 Gamma Activity in Potentially Respirable Surface Soils**

Prior to collection of surface soil samples at TS1 to evaluate the presence of thorium species in potentially respirable soils, a fixed volume of each soil sample, both before and after sieving out particles less than 2 millimeters in diameter, will be analyzed for gamma activity by performing a count with fixed geometry for one minute with the Ludlum 3x3. The gamma activity counts will be used to document the relative activities of the different soil particulate fractions. The soils with particulates less than 2 millimeters in diameter will be submitted to the analytical laboratory.

At the beginning of the project and prior to field analysis of the potentially respirable surface soil samples, the START will perform QC checks including an operational check and background check. Initial and continuing operational checks will be completed using check sources with known activity levels and the Ludlum 3x3 instrument placed in the same fixed position each time. These QC checks are described in more detail in Section 9.1.

#### **6.3.3 Alpha Activity in Air**

A Ludlum Model 3030 counter will be used to conduct the alpha activity measurements on each collected air sample. At the end of each day of air sampling, the air sample filter will be removed from its plastic bag and glassine envelope using tweezers and placed in the Ludlum 3030. The first count of alpha activity will be performed within four hours of sample collection. The exact count time will depend on the observed background air sample activity. Based on an expected background activity of less than 2 cpm at the anticipated flow rates, a count time between one



## 6. Field Methods and Procedures

and five minutes is anticipated. The alpha activity count and the total flow volume of the air sample will be used to determine the air sample activity concentration in  $\mu\text{Ci/mL}$  ( $\mu\text{Ci/milliter}$ ).

After the initial alpha activity measurement, counts will be performed on each filter at 24 hours and then again at 48 hours after the initial measurement to determine whether decay is occurring. If significant decay is occurring, it will be assumed that the primary radioisotopes present in the sample are short-lived alpha emitters such as the daughter products of Ra-226 (e.g., Radon 222). Since Th-232 and Th-230 species are very long-lived alpha emitting radioisotopes, the presence of significant decay indicates that these thorium species are not a large contribution to the source of the air sample alpha activity.

If, after the 24-hour and 48-hour alpha activity measurements, decay does not appear to be occurring at a significant rate, the air sample filter may be selected for confirmation laboratory analysis of thorium species and Ra-226 to determine the proportions of the target radioisotopes and their associated activity present in the sample and to compare to the field alpha activity measurements. Air samples will be selected for confirmation analysis at a rate no greater than 10 percent of field sample analysis. Samples selected for laboratory analysis will be replaced and resealed in the glassine envelope and plastic bag for storage and shipment to the laboratory.

At the beginning of the project and prior to field analysis of the air samples, the START will perform QC checks including an operational check and background check. Daily QC checks to be performed include an operational check and internal background check. Initial and continuing operational checks will be completed using check sources with known activity levels with the check source and instrument in the same fixed positions each time. These quality control checks are described in more detail in Section 9.1.

### 6.4 Field Decontamination Procedures

All non-dedicated equipment that comes into contact with potentially contaminated soil will be decontaminated in accordance with ERT SOP #2006 (or equivalent) and the procedures outlined below. Equipment will be decontaminated in a pre-designated area on plastic sheeting, and clean equipment will be stored in an uncontaminated area. Disposable equipment intended for onetime use will not be decontaminated, but will be packaged for appropriate disposal. Decontamination will occur after each use of a piece of equipment.

Decontamination for the non-dedicated soil sampling equipment and accessories are as follows:

- Non-phosphate detergent and tap water wash using a brush to scrub solids from the surface
- Tap water rinse
- Triple deionized/distilled water rinse
- Air Dry



# 7 Disposal of Investigation-Derived Waste

In the process of collecting environmental samples at this site, several different types of potentially contaminated investigation derived wastes (IDW) will be generated, including the following:

- Used personal protective equipment (PPE)
- Disposable sampling equipment
- Decontamination fluids

The EPA's National Contingency Plan required that management of IDW generated during site investigations comply with all relevant or appropriate requirements to the extent practicable. This sampling plan will follow the U.S. EPA Office of Emergency and Remedial Response *Management of Investigation-Derived Wastes during Site Inspections* (Directive 9345.3-02), May 1991 (U.S. EPA, 1991), which provides the guidance for management of IDW during site investigations. Listed below are the procedures that will be followed for handling IDW. The procedures are flexible enough to allow the site investigation team to use its professional judgment on the proper method for the disposal of each type of IDW generated at each sampling location.

- Used PPE and disposable sampling equipment will be double bagged in plastic trash bags and disposed of in a municipal refuse dumpster. These wastes are not considered hazardous and can be sent to a municipal landfill. Any PPE or dedicated equipment that is to be disposed of that can still be reused will be rendered inoperable before disposal.
- Decontamination fluids will consist of water with residual contaminants and/or non-phosphate detergent. These fluids will be left on site to evaporate.



# **8 Sample Identification, Documentation and Shipment**

## **8.1 Sample Nomenclature**

Each sample requires a unique identifier that indicates the type of sample, the location on the site where the sample was collected, and the depth of the sample. Each sample will be assigned a unique sample identification number using the following methodology for each type of sample.

### **8.1.1 Soil Samples**

Soil samples collected for laboratory confirmation analysis after soil removal activities at the site and surface soil samples collected to support determination of DACs for air samples will have a prefix indicating from which site they are collected: TS1 or TS2. The prefix will be followed by a number representing the sampling location, based on the numerical system assigned to the proposed sample locations. The sample ID will have a final suffix of the date on which it was collected. For example, confirmation sample number five collected at the TS1 on September 15, 2012 would be designated as TS1-05-091512. Field duplicate samples will have the same designations as their primary sample except the sequential number will be determined by adding a “D” to the end of the sample identification; thus, the field duplicate of TS1-05-091512 would be TS1-05-091512-D.

### **8.1.2 Air Samples**

Air samples will be designated by the site from which they are collected: TS1, TS2, or RES (for residence), and SCH (for school). The prefix will be followed by the sample date, the relative location at which they were collected (N for North, S for South, E for East, W for West and WZ for work zone) and a letter indicating the sample order collected at that location (“A” for the first sample at that location and “B” for the second, etc.). Thus, the first sample collected at the north side of TS1 on September 20, 2012 would be identified as TS1-092012-N-A. A co-located field duplicate sample will have the same designation as the original sample but will be followed by adding a “D” to the end of the sample identification (i.e., TS1-091512-N-A-D).

### **8.1.3 Field Blanks**

Equipment rinse blanks for the soil sampling equipment will be designated with the collection date followed by the letters “RB” as the suffix. For example, a rinse blank collected on September 20, 2012 would be designated 092012-RB.

Filter blanks for the air sampling analysis will be designated with the collection date followed by the letters “FB” as the suffix. For example, a rinse blank collected on September 20, 2012 would be designated 092012-FB.

## **8.2 Container, Preservation, and Holding Time Requirements**

All sample containers will have been delivered to the START in a pre-cleaned condition. Container, preservation, and holding time requirements are summarized in Tables 5-1 and Table 5-2.



## **8. Sample Identification, Documentation and Shipment**

### **8.3 Sample Labeling, Packaging, and Shipping**

All samples collected will be labeled in a clear and precise way for proper identification in the field and for tracking in the laboratory. Sample labels will be affixed to the sample containers and will contain the following information:

- Sample number
- Date and time of collection
- Site name
- Analytical parameter and method of preservation

Samples will be stored in a secure location onsite pending on-site analysis and shipment to the laboratory. Sample coolers will be retained in the custody of site personnel at all times or secured so as to deny access to anyone else.

The procedures for shipping soil samples are:

- If ice is used then it will be packed in double zip-lock plastic bags.
- The drain plug of the cooler will be sealed with tape to prevent melting ice from leaking.
- The bottom of the cooler will be lined with bubble wrap to prevent breakage during shipment.
- Screw caps will be checked for tightness.
- Containers will have custody seals affixed so as to prevent opening of the container without breaking the seal.
- All glass sample containers will be wrapped in bubble wrap.
- All containers will be sealed in plastic bags.

All samples will be placed in coolers with the appropriate chain-of-custody forms. All forms will be enclosed in plastic bags and affixed to the underside of the cooler lid. If samples require refrigeration during shipment then bags of ice will be placed on top of and around samples. Empty space in the cooler will be filled with bubble wrap or Styrofoam peanuts to prevent movement and breakage during shipment. Each ice chest will be securely taped shut with strapping tape, and custody seals will be affixed to the front, right, and back of each cooler.

Samples will be shipped for immediate delivery to the laboratory. Upon shipping, the laboratory will be notified of:

- Sampling contractor's name.
- The name of the site.
- Shipment date and expected delivery date.
- Total number of samples, by matrix and the relative level of contamination for each sample (i.e., low, medium, or high).



## **8. Sample Identification, Documentation and Shipment**

- Carrier; air bill number(s), method of shipment (e.g., priority).
- Irregularities or anticipated problems associated with the samples.
- Whether additional samples will be sent; whether this is the last shipment.

### **8.4 Chain-of-Custody Forms and QA/QC Summary Forms**

A chain-of-custody form will be maintained for all samples to be submitted for analysis, from the time the sample is collected until its final deposition. Every transfer of custody must be noted and a signature affixed. Corrections on sample paperwork will be made by drawing a single line through the mistake and initialing and dating the change. The correct information will be entered above, below, or after the mistake. When samples are not under the direct control of the individual responsible for them, they must be stored in a locked container sealed with a custody seal. The chain-of-custody form must include the following:

- Sample identification numbers
- Identification of sample to be used for Matrix Spike/Matrix Spike Duplicate (MS/MSD) purposes
- Site name
- Sample date
- Number and volume of sample containers
- Required analyses
- Signature and name of samplers
- Signature(s) of any individual(s) with control over samples
- Airbill number
- Note(s) indicating special holding times and/or detection limits

The chain-of-custody form will be completed and sent with the samples for each laboratory and each shipment. Each sample cooler should contain a chain-of-custody form for all samples within the sample cooler.

A QA/QC sample summary form will be completed for each method and each matrix of the sampling event. The sample number for all blanks, reference samples, laboratory QC samples (MS/MSDs), and duplicates will be documented on this form. This form is not sent to the laboratory. The original form will be sent to the reviewer who is validating and evaluating the data; a photocopy of the original will be made for the project manager master file.



# **9 Quality Assurance and Control (QA/QC)**

## **9.1 Field Quality Control Procedures**

The following quality control methods will be implemented during this investigation. The QC samples that will be collected for this investigation are also listed in Table 5-1.

### **9.1.1 Field Blanks**

If non-dedicated equipment, such as stainless steel trowels are used to collect surface soil samples, equipment rinsate blanks will be collected at a rate of one per day to evaluate field sampling and decontamination procedures. The rinsate blank will be collected by pouring deionized or distilled water over the decontaminated sample collection device and capturing the water in the specified sample container. Equipment rinse blanks will be submitted for analysis of Ra-226.

Field blanks for air sampling will be field analyzed at rate of one per day to evaluate field analysis procedures and verify cross-contamination of the sample during analysis hasn't occurred. Filter blanks for air sampling will be analyzed at rate of one per 47-millimeter diameter borosilicate glass fiber filters batch to verify that the sample media has not been exposed to contamination prior to sample collection.

### **9.1.2 Assessment of Sample Variability (Field Duplicate or Co-located Samples)**

Duplicate soil and air samples will be collected at selected sample locations. These locations will be chosen randomly in the field based on field observations and will be collected at a rate of 1 for every 10 field samples. Duplicate soil samples will be collected as a 50/50 split of the sample after collection and homogenization. Duplicate air samples will be co-located air sampling pumps situated adjacent to each other and set to collect an air sample using the same flow rate parameters for the same amount of time.

### **9.1.3 Confirmation Samples**

The samples submitted to the laboratory for definitive analysis will be used to establish and/or document the comparability and correlation between the definitive and non-definitive data sets. The START will determine correlation of the data sets by linear regression analysis and will determine relative percent differences for each data pair and for the data sets as a whole. These results will be compared to the field analysis data and will be used to determine the effectiveness of the field analysis techniques.

### **9.1.4 Field Analytical Quality Control Procedures**

#### **9.1.4.1 Gamma Activity Measurements**

Quality control procedures for the field measurements of gamma activity in soil include calibrations and background checks both prior to commencing field activities and on a daily basis thereafter. Specific QC procedures are detailed below.

#### **Energy Calibration**

Prior to beginning the surface gamma activity data collection activities and in a location away from the site, a high-voltage plateau check will be performed for the gamma activity measuring



## **9. Quality Assurance and Control (QA/QC)**

instrumentation using either a cesium-130 or a Ra-226 check source with a known activity level of 1 pCi. The source and the ratemeter are placed in the same fixed locations for each scan, and one-minute gamma activity counts will be collected both with and without the check source. The response both with and without the source will be measured at various instrument voltages beginning at 750 millivolts (mV) and increasing in 25 to 50 mV increments until 1200 mV is reached. Based on the responses, an optimum operating voltage is selected. Subsequently, each day prior to field analysis, one-minute gamma activity count will be performed both with and without the check source in the same fixed locations for the source and ratemeter as were used to determine the initial instrument voltage. The results should be within 20 percent of the original measurement used to determine the optimal voltage and no drift should be observed.

### **Background Check**

After confirming the average field background concentration as described in Section 4.1.1, background measurements will be collected each day of field analysis. A one-minute gamma activity count will be performed at three locations in the field background area. The three locations will be spaced approximately 80 feet apart in a triangular pattern. The background measurements should be within 20 percent of the average observed background level.

#### **9.1.4.2 Alpha Activity Analysis by Ludlum 3030**

Quality control procedures for the field analysis of alpha activity in air include operational and internal background checks both prior to commencing field activities and on a daily basis thereafter. At the beginning of the project and each day field alpha activity measurements are conducted, the Ludlum 3030 will undergo an operational check. The operational check will consist of using a Th-230 check source to measure alpha activity for one minute. Each subsequent operational check after the first one will be performed using the same check source in the same location using the same relative geometry (i.e., equipment and source placed in the same location and manner each time). Each subsequent operational check should produce measurements within 20 percent of the initial operational check measurement or the equipment will be considered out of calibration. After each operational check, an internal background check to confirm that the equipment has not been contaminated will be performed by measuring alpha activity for one minute with no source. Internal background measurements should be less than approximately 3 cpm.

## **9.2 Analytical and Data Package Requirements**

It is required that all samples be analyzed in accordance with U.S. EPA Methods listed in Tables 5-1 and 5-2. The laboratory is required to supply documentation to demonstrate that their data meet the requirements specified in the method. A preliminary data summary will be required 30 working days after submission of samples for analysis. A full validation data package will be required five weeks after submission of samples. The laboratory will also provide all data electronically in a text file.

The following deliverables are required. Note that the following data requirements are included to specify and emphasize general documentation requirements and are not intended to supersede or change requirements of each method.

- A copy of the chain-of-custody, sample log-in records, and a case narrative describing the analyses and methods used.



## 9. Quality Assurance and Control (QA/QC)

- Analytical data (results) for up to three significant figures for all samples, method blanks, MS/MSD, Laboratory Control Samples (LCS), duplicates, and field QC samples.
- QC summary sheets/forms that summarize the following:
  - MS/MSD/LCS recovery summary
  - Method/preparation blank summary
  - Initial and continuing calibration summary (including retention time windows)
  - Sample holding time and analytical sequence (i.e., extraction and analysis)
  - Calibration curves and correlation coefficients
  - Duplicate summary
  - Detection limit information
- Analyst bench records describing dilution, sample weight, percent moisture (solids), sample size, sample extraction and cleanup, final extract volumes, and amount injected.
- Standard preparation logs, including certificates of analysis for stock standards.
- Detailed explanation of the quantitation and identification procedure used for specific analyses, giving examples of calculations from the raw data.
- The final deliverable report will consist of sequentially numbered pages.

### 9.3 Data Management

Samples will be collected and described in a logbook, as discussed in Section 6.1.4. Samples will be kept secure in the custody of the sampler at all times; the sampler will assure that all preservation parameters are being followed. All samples are being submitted to an onsite field laboratory for field analysis. The field analysis laboratory will document sample receipt in an analytical logbook. All samples that are to be sent to the analytical laboratories will be collected and logged on chain-of-custody forms as discussed in Section 8.4. A START member will only submit samples to the analytical laboratory with chain-of-custody documentation. All submitted samples will be in a properly custody-sealed container. Specifics are discussed in Section 8.3. The laboratories will note any evidence of tampering upon receipt. All data summary reports and complete data packages will be archived by the project manager. The data validation reports and laboratory data summary reports will be included in the final report to be submitted to the U.S. EPA. All site data will be managed within the U.S. EPA Scribe data management software.

### 9.4 Data Validation

Data validation of all definitive analytical data will be performed by the START or their subcontractor in accordance with the *Region 9 Superfund Data Evaluation/Validation Guidance (EPA R9QA/006.1)*, December 2001 (U.S. EPA, 2001b). Standard data QA/QC review requirements are the Tier 2 validation of 100 percent of the data (EPA, 2001b).

If during or after the evaluation of the project's analytical data it is found that the data contains excess QA/QC problems or if the data does not meet the DQI goals, then the independent reviewer may determine that additional data evaluation is necessary. Additional evaluation may



## 9. Quality Assurance and Control (QA/QC)

include *U.S. EPA Region 9 Superfund Data Evaluation/Validation Guidance (EPA R9QA/006.1)*, for Tier 3 evaluation.

To meet evaluation and project requirements, the following criteria will be evaluated during a Tier 2 evaluation:

- Data package completeness
- Laboratory QA/QC summaries
- Holding times
- Blank contamination
- Matrix related recoveries
- Field duplicates
- Random data checks
- Preservation and holding times
- Initial and continuing calibration
- Blank analyses
- Interference check samples
- Laboratory control samples
- Duplicate sample analysis
- Matrix spike sample analyses
- Sample serial dilution
- Field duplicate/replicate
- Overall assessment of data.

Upon completion of evaluation, an analytical data evaluation Tier 2 review report will be delivered to the project manager, and the data will be classified within the report as one of the following:

- acceptable for use without qualifications
- acceptable for use with qualifications
- unacceptable for use

The data with applicable qualifications will be attached to the report. The analytical data evaluation Tier 1A review report will not compare data to specific project quality objectives, which include target analytes, sensitivity, analytical accuracy, analytical and sampling precision, and analytical completeness.

Unacceptable data may be more thoroughly examined to determine whether corrective action could mitigate data usability.



## **9.5 Field Variances**

As conditions in the field may vary, it may become necessary to implement minor modifications to this plan. When appropriate, the START QA coordinator and U.S. EPA Task Monitor will be notified of the modifications and a verbal approval obtained before implementing the modifications. Modifications to the original plan will be recorded in site records and documented in the final report.

## **9.6 Assessment of Project Activities**

### **9.6.1 Assessment Activities**

The following assessment activities will be performed by the START:

- All project deliverables (SAP, Data Summaries, Data Validation Reports, Investigation Report) will be peer reviewed prior to submission to the U.S. EPA. In time critical situations, the peer review may be concurrent with the release of a draft document to the U.S. EPA. Errors discovered in the peer review process will be reported by the reviewer to the originator of the document, who will be responsible for corrective action.
- The QA Coordinator will review project documentation (logbooks, chain-of-custody forms, etc.) to ensure the SAP was followed and that sampling activities were adequately documented. The QA Coordinator will document deficiencies, and the PM will be responsible for corrective actions.

### **9.6.2 Project Status Reports to Management**

It is standard procedure for the START PM to report to the U.S. EPA Task Monitor any issues, as they occur, that arise during the course of the project which could affect data quality, data use objectives, the project objectives, or project schedules.

As requested, the START will provide field analytical results to the U.S. EPA Task Monitor daily and unvalidated data will be provided as it is received from the laboratory.

### **9.6.3 Reconciliation of Data with DQOs**

Assessment of data quality is an ongoing activity throughout all phases of a project. The following outlines the methods to be used by the START for evaluating the results obtained from the project.

Review of the DQO outputs and the sampling design will be conducted by the START QA Coordinator prior to sampling activities. The reviewer will submit comments to the START PM for action, comment, or clarification. This process will be iterative.

A preliminary data review will be conducted by the START. The purpose of this review is to look for problems or anomalies in the implementation of the sample collection and analysis procedures and to examine QC data for information to verify assumptions underlying the DQOs and the SAP. When appropriate to sample design, basic statistical quantities will be calculated and the data will be graphically represented. When appropriate to the sample design and if specifically tasked to do so by the U.S. EPA Task Monitor, the START will select a statistical hypothesis test and identify assumptions underlying the test.



# 10 Report References

- E & E, 2012a. *Cove Transfer Station Sites 1 and 2 Abandoned Uranium Mine Removal Assessment Report, Cove, Apache County, Arizona*, February 2012.
- E & E, 2012b. *April 2012 Cove Transfer Station 1 (TS1) Field Assessment; Addendum Letter Report to the Cove Transfer Station Sites 1 and 2 Abandoned Uranium Mine Waste Removal Assessment Report, Cove, Apache County, Arizona; February 2012*, August 2012.
- MARSSIM, 2000. *Multi-Agency Radiation Survey and Site Investigation Manual*, August 2000.
- U. S. EPA, 1991. *Management of Investigation-Derived Wastes during Site Inspections* (Directive 9345.3-02), May 1991.
- U.S. EPA, 2001a. *Requirements for Quality Assurance Project Plans* (EPA QA/R5, EPA/240/B 01/003), March 2001.
- U.S. EPA, 2001b. *Region 9 Superfund Data Evaluation/Validation Guidance* (EPA R9QA/006.1), December 2001.
- U.S. EPA, 2002. *Guidance on Choosing a Sampling Design for Environmental Data Collection*, (EPA QA/G5S, EPA/240/R 02/005), December 2002.
- U.S. EPA, 2005. *Uniform Federal Policy for Implementing Environmental Quality System* (EPA/505/F-03/001), March 2005.
- U.S. EPA, 2006. *Guidance on the Data Quality Objectives Process* (EPA QA/G4, EPA/240/R 02/009), February 2006.
- U.S. EPA and NNEPA, 2010. *Background Location Selection Criteria, Prepared by NNEPA and EPA*, April 2010.
- Weston Solutions, Inc., 2007. *Preliminary Assessment Report for Cove Transfer Station, Cove, Arizona, prepared for the U.S. EPA Region 9 EPA ID No.: NNN000906016*, August 2007.



# **A Data Quality Objective Process Worksheet**



## **B Site Specific Health and Safety Plan**



# **C Standard Operating Procedures**



# Appendix D

## Air Sampling Data





# Summary of Final Alpha Activity Sample Concentrations in Airborne Particulates

Cove Transfer Station Sites 1 and 2 Removal Action

Cove, Apache County, Arizona

Sample Sequence #	Sample Collection Date	Sample Location	Sample Station	Sample Identification	Final Sample Count Date	Final Sample Count Start Time	Final Sample Count Stop Time	Sample Count Time (minutes)	Final Alpha Sample Counts	Alpha Sample Count Concentration (µCi/cc)	Alpha Sample Count MDC (µCi/cc)	Final Alpha Sample Count Concentration (µCi/cc) Less Than	U=<	10% of Th-230 DAC
1	17-Sep-12	TS1 BKG		TS1-0917-BKG-0881-A	19-Sep-12	14:20	14:30	10	0	-6.98E-15	4.16E-14	4.16E-14	U	3.00E-13
2	17-Sep-12	TS1 BKG		TS1-0917-BKG-0841-A	19-Sep-12	13:45	13:55	10	0	-7.12E-15	4.24E-14	4.24E-14	U	3.00E-13
3	17-Sep-12	TS1 BKG		TS1-0917-BKG-0880-A	19-Sep-12	14:40	14:50	10	0	-7.26E-15	4.33E-14	4.33E-14	U	3.00E-13
4	17-Sep-12	TS1 BKG		TS1-0917-BKG-0840-A	19-Sep-12	14:00	14:10	10	0	-7.82E-15	4.66E-14	4.66E-14	U	3.00E-13
5	17-Sep-12	TS1 BKG		TS1-0917-BKG-0845-A	19-Sep-12	14:00	14:10	10	0	-6.09E-15	3.63E-14	3.63E-14	U	3.00E-13
6	18-Sep-12	TS1 BKG		TS1-0918-BKG-0840-A	20-Sep-12	11:01	11:11	10	1	6.42E-14	3.83E-14	6.42E-14	U	3.00E-13
7	18-Sep-12	TS1 BKG		TS1-0918-BKG-0881-A	20-Sep-12	11:20	11:30	10	1	5.82E-14	3.47E-14	5.82E-14	U	3.00E-13
8	18-Sep-12	TS1 BKG		TS1-0918-BKG-0841-A	20-Sep-12	11:46	11:56	10	1	6.37E-14	3.80E-14	6.37E-14	U	3.00E-13
9	18-Sep-12	TS1 BKG		TS1-0918-BKG-0845-A	20-Sep-12	11:00	11:10	10	1	5.11E-14	3.05E-14	5.11E-14	U	3.00E-13
10	18-Sep-12	TS1 BKG		TS1-0918-BKG-0880-A	20-Sep-12	11:46	11:56	10	1	5.64E-14	3.36E-14	5.64E-14	U	3.00E-13
12	19-Sep-12	SCHOOL	South	SCH-0919-0880-A	21-Sep-12	11:51	12:01	10	0	-7.37E-15	4.39E-14	4.39E-14	U	3.00E-13
13	19-Sep-12	SCHOOL	East	SCH-0919-0845-A	21-Sep-12	12:04	12:14	10	0	-6.03E-15	3.60E-14	3.60E-14	U	3.00E-13
17	19-Sep-12	SCHOOL	South	SCH-0919-0880-B	21-Sep-12	12:15	12:25	10	0	-1.27E-14	7.57E-14	7.57E-14	U	3.00E-13
18	19-Sep-12	SCHOOL	East	SCH-0919-0845-B	21-Sep-12	12:04	12:14	10	0	-1.09E-14	6.51E-14	6.51E-14	U	3.00E-13
11	19-Sep-12	TS1 SOUTH	South	TS1-0919-0881-A	21-Sep-12	11:50	12:00	10	0	-7.51E-15	4.48E-14	4.48E-14	U	3.00E-13
14	19-Sep-12	TS1 SOUTH	East	TS1-0919-0841-A	21-Sep-12	10:45	10:55	10	1	7.61E-14	4.54E-14	7.61E-14	U	3.00E-13
16	19-Sep-12	TS1 SOUTH	South	TS1-0919-0881-B	21-Sep-12	12:15	12:25	10	0	-1.19E-14	7.11E-14	7.11E-14	U	3.00E-13
19	19-Sep-12	TS1 SOUTH	East	TS1-0919-0841-B	21-Sep-12	12:40	12:50	10	0	-1.66E-14	9.89E-14	9.89E-14	U	3.00E-13
15	19-Sep-12	TS2	Background	TS2-0919-BKG-0843-A	21-Sep-12	12:04	12:14	10	0	-6.41E-15	3.82E-14	3.82E-14	U	3.00E-13
23	20-Sep-12	SCHOOL	South	SCH-0920-0881-A	22-Sep-12	10:38	10:48	10	0	-7.34E-15	4.38E-14	4.38E-14	U	3.00E-13
24	20-Sep-12	SCHOOL	East	SCH-0920-0882-A	22-Sep-12	10:49	10:59	10	0	-6.87E-15	4.10E-14	4.10E-14	U	3.00E-13
32	20-Sep-12	SCHOOL	South	SCH-0920-0881-B	22-Sep-12	10:50	11:00	10	0	-7.30E-15	4.35E-14	4.35E-14	U	3.00E-13
33	20-Sep-12	SCHOOL	East	SCH-0920-0882-B	22-Sep-12	9:27	9:37	10	0	-6.98E-15	4.16E-14	4.16E-14	U	3.00E-13
34	20-Sep-12	TS1 SOUTH	West	TS1-0920-0880-B	22-Sep-12	11:01	11:11	10	1	7.36E-14	4.39E-14	7.36E-14	U	3.00E-13
20	20-Sep-12	TS1 SOUTH	South	TS1-0920-0835-A	22-Sep-12	11:12	11:22	10	1	7.43E-14	4.43E-14	7.43E-14	U	3.00E-13
21	20-Sep-12	TS1 SOUTH	East	TS1-0920-0842-A	22-Sep-12	10:27	10:37	10	1	6.98E-14	4.16E-14	6.98E-14	U	3.00E-13
22	20-Sep-12	TS1 SOUTH	North	TS1-0920-0883-A	22-Sep-12	9:50	10:00	10	1	6.88E-14	4.10E-14	6.88E-14	U	3.00E-13
25	20-Sep-12	TS1 SOUTH	West	TS1-0920-0880-A	22-Sep-12	11:01	11:11	10	1	7.23E-14	4.31E-14	7.23E-14	U	3.00E-13
29	20-Sep-12	TS1 SOUTH	South	TS1-0920-0835-B	22-Sep-12	10:28	10:38	10	0	-7.48E-15	4.46E-14	4.46E-14	U	3.00E-13
30	20-Sep-12	TS1 SOUTH	East	TS1-0920-0842-B	22-Sep-12	9:47	9:57	10	1	6.85E-14	4.09E-14	6.85E-14	U	3.00E-13
31	20-Sep-12	TS1 SOUTH	North	TS1-0920-0883-B	22-Sep-12	10:15	10:25	10	0	-6.85E-15	4.08E-14	4.08E-14	U	3.00E-13
26	20-Sep-12	TS2	East 1	TS2-0920-0843-A	22-Sep-12	10:02	10:12	10	0	-6.93E-15	4.13E-14	4.13E-14	U	3.00E-13
27	20-Sep-12	TS2	West	TS2-0920-0845-A	22-Sep-12	10:15	10:25	10	0	-6.15E-15	3.67E-14	3.67E-14	U	3.00E-13
28	20-Sep-12	TS2	North	TS2-0920-0884-A	22-Sep-12	9:29	9:39	10	1	6.83E-14	4.07E-14	6.83E-14	U	3.00E-13
35	20-Sep-12	TS2	East 1	TS2-0920-0843-B	22-Sep-12	10:38	10:48	10	0	-9.32E-15	5.56E-14	5.56E-14	U	3.00E-13
36	20-Sep-12	TS2	West	TS2-0920-0845-B	22-Sep-12	11:39	11:49	10	1	8.02E-14	4.78E-14	8.02E-14	U	3.00E-13
37	20-Sep-12	TS2	North	TS2-0920-0884-B	22-Sep-12	9:59	10:09	10	1	9.16E-14	5.46E-14	9.16E-14	U	3.00E-13
39	21-Sep-12	SCHOOL	East	SCH-0921-0883-A	24-Sep-12	10:23	10:33	10	0	-3.65E-15	2.17E-14	2.17E-14	U	3.00E-13
40	21-Sep-12	SCHOOL	South	SCH-0921-0884-A	24-Sep-12	11:38	11:48	10	0	-3.39E-15	2.02E-14	2.02E-14	U	3.00E-13
45	21-Sep-12	TS1 NORTH	East 1	TS1-0921-0880-A	24-Sep-12	9:40	9:50	10	0	-7.29E-15	4.35E-14	4.35E-14	U	3.00E-13
46	21-Sep-12	TS1 NORTH	East 2	TS1-0921-0882-A	24-Sep-12	10:21	10:31	10	1	7.06E-14	4.21E-14	7.06E-14	U	3.00E-13
38	21-Sep-12	TS1 SOUTH	East	TS1-0921-0841-A	24-Sep-12	10:08	10:18	10	0	-7.29E-15	4.35E-14	4.35E-14	U	3.00E-13
41	21-Sep-12	TS2	East 1	TS2-0921-0842-A	24-Sep-12	10:08	10:18	10	0	-7.05E-15	4.20E-14	4.20E-14	U	3.00E-13
43	21-Sep-12	TS2	East 2	TS2-0921-0843-A	24-Sep-12	9:56	10:06	10	1	3.75E-14	2.24E-14	3.75E-14	U	3.00E-13
42	21-Sep-12	TS2	Work Zone	TS2-0921-0835-A	24-Sep-12	9:57	10:07	10	0	-4.11E-15	2.45E-14	2.45E-14	U	3.00E-13
44	21-Sep-12	TS2	West	TS2-0921-0881-A	24-Sep-12	9:42	9:52	10	1	4.31E-14	2.57E-14	4.31E-14	U	3.00E-13
50	22-Sep-12	TS1 NORTH	Work Zone	TS1-0922-0835-A (D)	24-Sep-12	14:07	14:17	10	3	1.15E-13	2.14E-14	1.15E-13	U	3.00E-13
48	22-Sep-12	TS1 NORTH	East 1	TS1-0922-0881-A	24-Sep-12	12:15	12:25	10	2	8.94E-14	2.54E-14	8.94E-14	U	3.00E-13
47	22-Sep-12	TS1 NORTH	Work Zone	TS1-0922-0884-A	24-Sep-12	11:41	11:51	10	3	1.05E-13	1.96E-14	1.05E-13	U	3.00E-13
49	22-Sep-12	TS1 NORTH	East 2	TS1-0922-0883-A	24-Sep-12	12:16	12:26	10	3	1.21E-13	2.25E-14	1.21E-13	U	3.00E-13
51	22-Sep-12	TS1 NORTH	North 1	TS1-0922-0880-A	24-Sep-12	13:48	13:58	10	3	1.14E-13	2.13E-14	1.14E-13	U	3.00E-13
53	22-Sep-12	TS2	East 1	TS2-0922-0843-A	24-Sep-12	14:26	14:36	10	3	1.25E-13	2.33E-14	1.25E-13	U	3.00E-13
54	22-Sep-12	TS2	East 2	TS2-0922-0882-A	24-Sep-12	14:08	14:18	10	3	1.18E-13	2.21E-14	1.18E-13	U	3.00E-13



# Summary of Final Alpha Activity Sample Concentrations in Airborne Particulates

Cove Transfer Station Sites 1 and 2 Removal Action

Cove, Apache County, Arizona

Sample Sequence #	Sample Collection Date	Sample Location	Sample Station	Sample Identification	Final Sample Count Date	Final Sample Count Start Time	Final Sample Count Stop Time	Sample Count Time (minutes)	Final Alpha Sample Counts	Alpha Sample Count Concentration (µCi/cc)	Alpha Sample Count MDC (µCi/cc)	Final Alpha Sample Count Concentration (µCi/cc) Less Than	U=<	10% of Th-230 DAC
55	22-Sep-12	TS2	North	TS2-0922-0841-A	24-Sep-12	14:25	14:35	10	3	1.29E-13	2.40E-14	1.29E-13	U	3.00E-13
52	22-Sep-12	TS2	North	TS2-0922-0845-A (D)	24-Sep-12	14:07	14:17	10	1	3.27E-14	1.95E-14	3.27E-14	U	3.00E-13
56	24-Sep-12	TS1 NORTH	East 1	TS1-0924-0880-A	26-Sep-12	11:19	11:29	10	2	1.10E-13	3.12E-14	1.10E-13	U	3.00E-13
57	24-Sep-12	TS1 NORTH	Work Zone	TS1-0924-0835-A	26-Sep-12	11:32	11:42	10	1	5.50E-14	3.28E-14	5.50E-14	U	3.00E-13
58	24-Sep-12	TS1 NORTH	East 2	TS1-0924-0843-A	26-Sep-12	11:18	11:28	10	1	5.37E-14	3.20E-14	5.37E-14	U	3.00E-13
59	24-Sep-12	TS1 NORTH	North 1	TS1-0924-0884-A	26-Sep-12	11:31	11:41	10	2	1.24E-13	3.52E-14	1.24E-13	U	3.00E-13
62	25-Sep-12	SCHOOL	South	SCH-0925-0883-A	27-Sep-12	12:36	12:46	10	3	1.05E-13	1.96E-14	1.05E-13	U	3.00E-13
63	25-Sep-12	SCHOOL	East	SCH-0925-0835-A	27-Sep-12	12:24	12:34	10	4	1.49E-13	2.07E-14	1.49E-13	U	3.00E-13
66	25-Sep-12	TS1 NORTH	East 1	TS1-0925-0880-A	27-Sep-12	12:35	12:45	10	3	1.29E-13	2.41E-14	1.29E-13	U	3.00E-13
67	25-Sep-12	TS1 NORTH	East 2	TS1-0925-0881-A	27-Sep-12	12:46	12:56	10	4	1.60E-13	2.22E-14	1.60E-13	U	3.00E-13
68	25-Sep-12	TS1 NORTH	Work Zone	TS1-0925-0841-A	27-Sep-12	12:25	12:35	10	4	1.55E-13	2.15E-14	1.55E-13	U	3.00E-13
64	25-Sep-12	TS1 SOUTH	West	TS1-0925-0842-A	27-Sep-12	13:57	14:07	10	4	1.48E-13	2.05E-14	1.48E-13	U	3.00E-13
60	25-Sep-12	TS1 SOUTH	East	TS1-0925-0843-A	26-Sep-12	13:02	13:12	10	4	1.36E-13	1.89E-14	1.36E-13	U	3.00E-13
61	25-Sep-12	TS1 SOUTH	South	TS1-0925-0884-A	27-Sep-12	12:48	12:58	10	4	1.41E-13	1.95E-14	1.41E-13	U	3.00E-13
65	25-Sep-12	TS1 SOUTH	North	TS1-0925-0882-A	27-Sep-12	13:58	14:08	10	2	6.54E-14	1.86E-14	6.54E-14	U	3.00E-13
69	25-Sep-12	TS2	East 1	TS2-0925-0845-A	27-Sep-12	12:51	13:01	10	2	8.24E-14	2.34E-14	8.24E-14	U	3.00E-13
71	26-Sep-12	SCHOOL	East	SCH-0926-0841-A	28-Sep-12	13:02	13:12	10	3	1.07E-13	1.99E-14	1.07E-13	U	3.00E-13
72	26-Sep-12	SCHOOL	South	SCH-0926-0884-A	28-Sep-12	12:36	12:46	10	3	1.06E-13	1.98E-14	1.06E-13	U	3.00E-13
70	26-Sep-12	TS1 SOUTH	East	TS1-0926-0843-A	28-Sep-12	13:25	13:35	10	3	1.09E-13	2.03E-14	1.09E-13	U	3.00E-13
73	26-Sep-12	TS1 SOUTH	South	TS1-0926-0881-A	28-Sep-12	13:13	13:23	10	3	1.18E-13	2.20E-14	1.18E-13	U	3.00E-13
74	26-Sep-12	TS2	East 1	TS2-0926-0835-A	28-Sep-12	13:04	13:14	10	3	1.28E-13	2.39E-14	1.28E-13	U	3.00E-13
75	26-Sep-12	TS2	East 2	TS2-0926-0883-A (D)	28-Sep-12	13:15	13:25	10	2	8.07E-14	2.29E-14	8.07E-14	U	3.00E-13
76	26-Sep-12	TS2	North	TS2-0926-0842-A	28-Sep-12	12:52	13:02	10	2	8.43E-14	2.39E-14	8.43E-14	U	3.00E-13
77	26-Sep-12	TS2	West	TS2-0926-0882-A	28-Sep-12	13:39	13:49	10	2	8.14E-14	2.31E-14	8.14E-14	U	3.00E-13
78	26-Sep-12	TS2	East 2	TS2-0926-0880-A	28-Sep-12	13:26	13:36	10	0	-2.98E-14	1.78E-13	1.78E-13	U	3.00E-13
81	27-Sep-12	SCHOOL	South	SCH-0927-0882-A	29-Sep-12	13:46	13:56	10	1	3.05E-14	1.82E-14	3.05E-14	U	3.00E-13
83	27-Sep-12	SCHOOL	East	SCH-0927-0883-A	29-Sep-12	13:58	14:08	10	2	7.57E-14	2.15E-14	7.57E-14	U	3.00E-13
79	27-Sep-12	TS1 SOUTH	East	TS1-0927-0835-A	29-Sep-12	14:08	14:18	10	2	7.16E-14	2.03E-14	7.16E-14	U	3.00E-13
80	27-Sep-12	TS1 SOUTH	South	TS1-0927-0841-A	29-Sep-12	14:19	14:29	10	1	3.42E-14	2.04E-14	3.42E-14	U	3.00E-13
82	27-Sep-12	TS1 SOUTH	West	TS1-0927-0842-A	29-Sep-12	14:09	14:19	10	2	6.67E-14	1.89E-14	6.67E-14	U	3.00E-13
86	27-Sep-12	TS2	North	TS2-0927-0884-A	29-Sep-12	13:56	14:06	10	3	1.21E-13	2.26E-14	1.21E-13	U	3.00E-13
84	27-Sep-12	TS2	East 1	TS2-0927-0880-A	29-Sep-12	13:44	13:54	10	1	3.74E-14	2.23E-14	3.74E-14	U	3.00E-13
85	27-Sep-12	TS2	East 2	TS2-0927-0881-A	29-Sep-12	14:20	14:30	10	1	3.84E-14	2.29E-14	3.84E-14	U	3.00E-13
89	28-Sep-12	SCHOOL	South	SCH-0828-0882-A	1-Oct-12	10:44	10:54	10	0	-3.20E-15	1.91E-14	1.91E-14	U	3.00E-13
90	28-Sep-12	SCHOOL	East	SCH-0828-0841-A	1-Oct-12	9:45	9:55	10	0	-3.66E-15	2.18E-14	2.18E-14	U	3.00E-13
91	28-Sep-12	SCHOOL	East	SCH-0928-0835-A (D)	1-Oct-12	10:08	10:18	10	0	-3.63E-15	2.16E-14	2.16E-14	U	3.00E-13
87	28-Sep-12	TS1 SOUTH	East	TS1-0928-0883-A	1-Oct-12	9:57	10:07	10	1	3.72E-14	2.22E-14	3.72E-14	U	3.00E-13
88	28-Sep-12	TS1 SOUTH	South	TS1-0928-0842-A	1-Oct-12	10:31	10:41	10	0	-3.52E-15	2.10E-14	2.10E-14	U	3.00E-13
92	28-Sep-12	TS2	East 1	TS2-0928-0881-A	1-Oct-12	9:57	10:07	10	0	-3.82E-15	2.28E-14	2.28E-14	U	3.00E-13
93	28-Sep-12	TS2	East 2	TS2-0928-0884-A	1-Oct-12	10:08	10:18	10	1	3.30E-14	1.97E-14	3.30E-14	U	3.00E-13
94	28-Sep-12	TS2	West	TS2-0928-0880-A	1-Oct-12	10:44	10:54	10	1	3.96E-14	2.36E-14	3.96E-14	U	3.00E-13
95	28-Sep-12	TS2	North	TS2-0928-0843-A	1-Oct-12	10:31	10:41	10	0	-3.65E-15	2.18E-14	2.18E-14	U	3.00E-13
96	29-Sep-12	TS1 NORTH	East 1	TS1-0929-0881-A	1-Oct-12	12:39	12:49	10	1	3.74E-14	2.23E-14	3.74E-14	U	3.00E-13
97	29-Sep-12	TS1 NORTH	East 2	TS1-0929-0882-A	1-Oct-12	13:00	13:10	10	2	6.74E-14	1.91E-14	6.74E-14	U	3.00E-13
98	29-Sep-12	TS1 NORTH	Work Zone	TS1-0929-0841-A	1-Oct-12	12:27	12:37	10	1	3.61E-14	2.15E-14	3.61E-14	U	3.00E-13
99	29-Sep-12	TS1 NORTH	North 1	TS1-0929-0880-A	1-Oct-12	12:49	12:59	10	2	1.38E-13	3.93E-14	1.38E-13	U	3.00E-13
100	29-Sep-12	TS2	East 1	TS2-0929-0883-A	1-Oct-12	12:37	12:47	10	3	1.32E-13	2.45E-14	1.32E-13	U	3.00E-13
101	29-Sep-12	TS2	East 2	TS2-0929-0835-A	1-Oct-12	12:26	12:36	10	2	8.23E-14	2.34E-14	8.23E-14	U	3.00E-13
102	29-Sep-12	TS2	Work Zone	TS2-0929-0842-A	1-Oct-12	13:02	13:12	10	2	7.54E-14	2.14E-14	7.54E-14	U	3.00E-13
103	29-Sep-12	TS2	North	TS2-0929-0843-A	1-Oct-12	12:50	13:00	10	3	1.18E-13	2.19E-14	1.18E-13	U	3.00E-13
104	1-Oct-12	TS1 NORTH	East 1	TS1-1001-0841-A	3-Oct-12	13:43	13:53	10	2	7.12E-14	2.02E-14	7.12E-14	U	3.00E-13
105	1-Oct-12	TS1 NORTH	East 2	TS1-1001-0845-A	3-Oct-12	13:18	13:28	10	3	8.84E-14	1.65E-14	8.84E-14	U	3.00E-13
106	1-Oct-12	TS1 NORTH	North 1	TS1-1001-0843-A	3-Oct-12	14:00	14:10	10	3	1.06E-13	1.98E-14	1.06E-13	U	3.00E-13



# Summary of Final Alpha Activity Sample Concentrations in Airborne Particulates

Cove Transfer Station Sites 1 and 2 Removal Action

Cove, Apache County, Arizona

Sample Sequence #	Sample Collection Date	Sample Location	Sample Station	Sample Identification	Final Sample Count Date	Final Sample Count Start Time	Final Sample Count Stop Time	Sample Count Time (minutes)	Final Alpha Sample Counts	Alpha Sample Count Concentration (µCi/cc)	Alpha Sample Count MDC (µCi/cc)	Final Alpha Sample Count Concentration (µCi/cc) Less Than	U=<	10% of Th-230 DAC
107	1-Oct-12	TS1 NORTH	Work Zone	TS1-1001-0883-A	3-Oct-12	13:25	13:35	10	2	7.92E-14	2.25E-14	7.92E-14	U	3.00E-13
108	1-Oct-12	TS2	East 1	TS2-1001-0881-A	3-Oct-12	14:12	14:22	10	3	1.22E-13	2.27E-14	1.22E-13	U	3.00E-13
109	1-Oct-12	TS2	East 2	TS2-1001-0842-A	3-Oct-12	13:31	13:41	10	2	7.61E-14	2.16E-14	7.61E-14	U	3.00E-13
110	1-Oct-12	TS2	Work Zone	TS2-1001-0882-A	3-Oct-12	13:58	14:08	10	1	3.63E-14	2.16E-14	3.63E-14	U	3.00E-13
111	1-Oct-12	TS2	North	TS2-1001-0835-A	3-Oct-12	13:41	13:51	10	3	1.23E-13	2.30E-14	1.23E-13	U	3.00E-13
112	2-Oct-12	TS1 NORTH	North 1	TS1-1002-0843-A	4-Oct-12	12:06	12:16	10	1	3.51E-14	2.09E-14	3.51E-14	U	3.00E-13
113	2-Oct-12	TS1 NORTH	North 1	TS1-1002-0881-A (D)	4-Oct-12	12:07	12:17	10	1	3.63E-14	2.17E-14	3.63E-14	U	3.00E-13
114	2-Oct-12	TS1 NORTH	North 2	TS1-1002-0880-A	4-Oct-12	12:54	13:04	10	2	6.14E-14	1.74E-14	6.14E-14	U	3.00E-13
115	2-Oct-12	TS1 NORTH	East 2	TS1-1002-0845-A	4-Oct-12	12:30	12:40	10	2	7.41E-14	2.10E-14	7.41E-14	U	3.00E-13
116	2-Oct-12	TS1 NORTH	Work Zone	TS1-1002-0835-A	4-Oct-12	12:18	12:28	10	1	3.69E-14	2.20E-14	3.69E-14	U	3.00E-13
117	2-Oct-12	TS2	East 1	TS2-1002-0883-A	4-Oct-12	12:34	12:44	10	2	8.49E-14	2.41E-14	8.49E-14	U	3.00E-13
118	2-Oct-12	TS2	East 2	TS2-1002-0841-A	4-Oct-12	12:53	13:03	10	2	8.79E-14	2.49E-14	8.79E-14	U	3.00E-13
119	2-Oct-12	TS2	North	TS2-1002-0882-A	4-Oct-12	11:54	12:04	10	1	4.26E-14	2.54E-14	4.26E-14	U	3.00E-13
120	2-Oct-12	TS2	Work Zone	TS2-1002-0842-A	4-Oct-12	12:19	12:29	10	2	8.29E-14	2.35E-14	8.29E-14	U	3.00E-13
121	3-Oct-12	TS1 NORTH	North 1	TS1-1003-0881-A	5-Oct-12	13:07	13:17	10	2	7.92E-14	2.25E-14	7.92E-14	U	3.00E-13
122	3-Oct-12	TS1 NORTH	Work Zone	TS1-1003-0842-A	5-Oct-12	14:29	14:39	10	3	1.22E-13	2.27E-14	1.22E-13	U	3.00E-13
123	3-Oct-12	TS1 NORTH	East 2	TS1-1003-0880-A	5-Oct-12	15:19	15:29	10	2	8.14E-14	2.31E-14	8.14E-14	U	3.00E-13
124	3-Oct-12	TS1 NORTH	North 2	TS1-1003-0883-A	5-Oct-12	14:15	14:25	10	2	8.27E-14	2.35E-14	8.27E-14	U	3.00E-13
125	3-Oct-12	TS2	East 1	TS2-1003-0841-A	5-Oct-12	12:52	13:02	10	5	2.50E-13	2.76E-14	2.50E-13	U	3.00E-13
126	3-Oct-12	TS2	North	TS2-1003-0845-A	5-Oct-12	13:08	13:18	10	1	4.62E-14	2.75E-14	4.62E-14	U	3.00E-13
127	3-Oct-12	TS2	Work Zone	TS2-1003-0843-A	5-Oct-12	14:16	14:26	10	1	4.05E-14	2.41E-14	4.05E-14	U	3.00E-13
128	4-Oct-12	TS1 NORTH	Work Zone	TS1-1004-0843-A	6-Oct-12	13:05	13:15	10	3	1.19E-13	2.22E-14	1.19E-13	U	3.00E-13
129	4-Oct-12	TS1 NORTH	East 2	TS1-1004-0842-A	6-Oct-12	12:41	12:51	10	3	1.25E-13	2.33E-14	1.25E-13	U	3.00E-13
130	4-Oct-12	TS1 NORTH	North 1	TS1-1004-0880-A	6-Oct-12	13:06	13:16	10	2	8.37E-14	2.38E-14	8.37E-14	U	3.00E-13
131	4-Oct-12	TS1 NORTH	North 2	TS1-1004-0881-A	6-Oct-12	12:41	12:51	10	2	8.40E-14	2.38E-14	8.40E-14	U	3.00E-13
132	4-Oct-12	TS2	East 1	TS2-1004-0884-A	6-Oct-12	13:18	13:28	10	2	9.15E-14	2.60E-14	9.15E-14	U	3.00E-13
133	4-Oct-12	TS2	East 1	TS2-1004-0845-A (D)	6-Oct-12	13:31	13:41	10	3	1.46E-13	2.72E-14	1.46E-13	U	3.00E-13
134	4-Oct-12	TS2	East 2	TS2-1004-0882-A	6-Oct-12	13:44	13:54	10	1	4.56E-14	2.72E-14	4.56E-14	U	3.00E-13
135	4-Oct-12	TS2	North	TS2-1004-0841-A	6-Oct-12	13:19	13:29	10	3	1.57E-13	2.93E-14	1.57E-13	U	3.00E-13
136	4-Oct-12	TS2	Work Zone	TS2-1004-0883-A	6-Oct-12	13:33	13:43	10	1	4.15E-14	2.47E-14	4.15E-14	U	3.00E-13
137	5-Oct-12	TS1 NORTH	Work Zone	TS1-1005-0883-A	8-Oct-12	11:27	11:37	10	1	4.45E-14	2.65E-14	4.45E-14	U	3.00E-13
138	5-Oct-12	TS1 NORTH	North 1	TS1-1005-0880-A	8-Oct-12	11:16	11:26	10	0	-3.55E-15	2.11E-14	2.11E-14	U	3.00E-13
139	5-Oct-12	TS1 NORTH	North 2	TS1-1005-0843-A	8-Oct-12	11:03	11:13	10	0	-3.47E-15	2.07E-14	2.07E-14	U	3.00E-13
140	5-Oct-12	TS1 NORTH	East 2	TS1-1005-0882-A	8-Oct-12	11:17	11:27	10	1	4.11E-14	2.45E-14	4.11E-14	U	3.00E-13
141	5-Oct-12	TS2	East 1	TS2-1005-0884-A	8-Oct-12	10:49	10:59	10	0	-4.01E-15	2.39E-14	2.39E-14	U	3.00E-13
142	5-Oct-12	TS2	East 2	TS2-1005-0845-A	8-Oct-12	11:02	11:12	10	0	-4.21E-15	2.51E-14	2.51E-14	U	3.00E-13
143	5-Oct-12	TS2	North	TS2-1005-0841-A	8-Oct-12	10:38	10:48	10	0	-4.67E-15	2.78E-14	2.78E-14	U	3.00E-13
144	5-Oct-12	TS2	Work Zone	TS2-1005-0842-A	8-Oct-12	10:50	11:00	10	0	-4.04E-15	2.41E-14	2.41E-14	U	3.00E-13
145	6-Oct-12	TS1 NORTH	Work Zone	TS1-1006-0841-A	8-Oct-12	10:38	10:48	10	2	7.90E-14	2.24E-14	7.90E-14	U	3.00E-13
146	6-Oct-12	TS1 NORTH	North 1	TS1-1006-0884-A	8-Oct-12	10:36	10:46	10	4	1.32E-13	1.83E-14	1.32E-13	U	3.00E-13
147	6-Oct-12	TS1 NORTH	North 2	TS1-1006-0845-A	8-Oct-12	10:09	10:19	10	1	3.73E-14	2.23E-14	3.73E-14	U	3.00E-13
148	6-Oct-12	TS1 NORTH	North 2	TS1-1006-0843-A (D)	8-Oct-12	9:57	10:07	10	3	1.14E-13	2.12E-14	1.14E-13	U	3.00E-13
149	6-Oct-12	TS1 NORTH	East 2	TS1-1006-0880-A	8-Oct-12	9:46	9:56	10	3	1.21E-13	2.25E-14	1.21E-13	U	3.00E-13
150	6-Oct-12	TS2	East 1	TS2-1006-0881-A	8-Oct-12	9:45	9:55	10	1	5.19E-14	3.10E-14	5.19E-14	U	3.00E-13
151	6-Oct-12	TS2	East 2	TS2-1006-0883-A	8-Oct-12	9:56	10:06	10	3	1.59E-13	2.96E-14	1.59E-13	U	3.00E-13
152	6-Oct-12	TS2	North	TS2-1006-0842-A	8-Oct-12	10:08	10:18	10	2	9.18E-14	2.61E-14	9.18E-14	U	3.00E-13
153	6-Oct-12	TS2	West	TS2-1006-0882-A	8-Oct-12	10:24	10:34	10	1	3.77E-14	2.25E-14	3.77E-14	U	3.00E-13
155	8-Oct-12	SCHOOL	North	TS1-1008-0845-A	10-Oct-12	14:47	14:57	10	3	1.13E-13	2.11E-14	1.13E-13	U	3.00E-13
154	8-Oct-12	TS1 NORTH	South	TS1-1008-0882-A	10-Oct-12	13:16	13:26	10	3	1.13E-13	2.11E-14	1.13E-13	U	3.00E-13
156	8-Oct-12	TS1 NORTH	North 2	TS1-1008-0881-A	10-Oct-12	13:17	13:27	10	4	1.53E-13	2.12E-14	1.53E-13	U	3.00E-13
157	8-Oct-12	TS1 NORTH	Work Zone	TS1-1008-0883-A	10-Oct-12	14:47	14:57	10	2	9.11E-14	2.59E-14	9.11E-14	U	3.00E-13
158	8-Oct-12	TS2	East 1	TS2-1008-0842-A	10-Oct-12	15:13	15:23	10	3	1.35E-13	2.52E-14	1.35E-13	U	3.00E-13
159	8-Oct-12	TS2	East 2	TS2-1008-0880-A	10-Oct-12	15:12	15:22	10	2	8.63E-14	2.45E-14	8.63E-14	U	3.00E-13



# Summary of Final Alpha Activity Sample Concentrations in Airborne Particulates

Cove Transfer Station Sites 1 and 2 Removal Action

Cove, Apache County, Arizona

Sample Sequence #	Sample Collection Date	Sample Location	Sample Station	Sample Identification	Final Sample Count Date	Final Sample Count Start Time	Final Sample Count Stop Time	Sample Count Time (minutes)	Final Alpha Sample Counts	Alpha Sample Count Concentration (µCi/cc)	Alpha Sample Count MDC (µCi/cc)	Final Alpha Sample Count Concentration (µCi/cc) Less Than	U=<	10% of Th-230 DAC
160	8-Oct-12	TS2	North	TS2-1008-0843-A	10-Oct-12	15:01	15:11	10	3	1.35E-13	2.52E-14	1.35E-13	U	3.00E-13
161	8-Oct-12	TS2	Work Zone	TS2-1008-0841-A	10-Oct-12	14:59	15:09	10	3	1.68E-13	3.13E-14	1.68E-13	U	3.00E-13
163	9-Oct-12	SCHOOL	North	TS1-1009-0883-A	12-Oct-12	17:20	17:30	10	0	-3.49E-15	2.08E-14	2.08E-14	U	3.00E-13
162	9-Oct-12	TS1 NORTH	South	TS1-1009-0845-A	12-Oct-12	17:10	17:20	10	0	-3.50E-15	2.08E-14	2.08E-14	U	3.00E-13
164	9-Oct-12	TS1 NORTH	East	TS1-1009-0842-A	12-Oct-12	17:33	17:43	10	1	4.94E-14	2.95E-14	4.94E-14	U	3.00E-13
165	9-Oct-12	TS1 NORTH	North 2	TS1-1009-0835-A	12-Oct-12	17:31	17:41	10	0	-9.83E-15	5.86E-14	5.86E-14	U	3.00E-13
166	9-Oct-12	TS2	East 1	TS2-1009-0841-A	12-Oct-12	16:59	17:09	10	0	-4.14E-15	2.47E-14	2.47E-14	U	3.00E-13
167	9-Oct-12	TS2	East 2	TS2-1009-0880-A	12-Oct-12	17:22	17:32	10	0	-4.21E-15	2.51E-14	2.51E-14	U	3.00E-13
168	9-Oct-12	TS2	North	TS2-1009-0884-A	12-Oct-12	17:08	17:18	10	0	-4.38E-15	2.61E-14	2.61E-14	U	3.00E-13
169	9-Oct-12	TS2	West	TS2-1009-0843-A	12-Oct-12	17:42	17:52	10	0	-3.98E-15	2.37E-14	2.37E-14	U	3.00E-13
172	10-Oct-12	SCHOOL	North	TS1-1010-0882-A	12-Oct-12	15:57	16:07	10	1	3.37E-14	2.01E-14	3.37E-14	U	3.00E-13
170	10-Oct-12	TS1 NORTH	South	TS1-1010-0880-A	12-Oct-12	16:10	16:20	10	1	3.37E-14	2.01E-14	3.37E-14	U	3.00E-13
171	10-Oct-12	TS1 NORTH	Work Zone	TS1-1010-0841-A	12-Oct-12	16:36	16:46	10	1	4.49E-14	2.68E-14	4.49E-14	U	3.00E-13
173	10-Oct-12	TS1 NORTH	North 2	TS1-1010-0884-A	12-Oct-12	16:32	16:42	10	3	1.13E-13	2.11E-14	1.13E-13	U	3.00E-13
174	10-Oct-12	TS1 NORTH	North 2	TS1-1010-0845-A (D)	12-Oct-12	16:24	16:34	10	2	8.25E-14	2.34E-14	8.25E-14	U	3.00E-13
175	10-Oct-12	TS2	East 1	TS2-1010-0843-A	12-Oct-12	16:56	17:06	10	1	3.90E-14	2.32E-14	3.90E-14	U	3.00E-13
176	10-Oct-12	TS2	East 2	TS2-1010-0835-A	12-Oct-12	16:21	16:31	10	1	3.89E-14	2.32E-14	3.89E-14	U	3.00E-13
177	10-Oct-12	TS2	North	TS2-1010-0842-A	12-Oct-12	16:47	16:57	10	0	-4.65E-15	2.77E-14	2.77E-14	U	3.00E-13
178	10-Oct-12	TS2	North	TS2-1010-0883-A (D)	12-Oct-12	16:10	16:20	10	1	4.88E-14	2.91E-14	4.88E-14	U	3.00E-13
179	10-Oct-12	TS2	West	TS2-1010-0881-A	12-Oct-12	16:43	16:53	10	1	4.17E-14	2.49E-14	4.17E-14	U	3.00E-13
183	11-Oct-12	SCHOOL	North	TS1-1011-0842-A	13-Oct-12	13:56	14:06	10	4	1.64E-13	2.28E-14	1.64E-13	U	3.00E-13
180	11-Oct-12	TS1 NORTH	South	TS1-1011-0841-A	13-Oct-12	14:25	14:35	10	3	1.13E-13	2.10E-14	1.13E-13	U	3.00E-13
181	11-Oct-12	TS1 NORTH	Work Zone	TS1-1011-0881-A	13-Oct-12	14:08	14:18	10	4	1.58E-13	2.19E-14	1.58E-13	U	3.00E-13
182	11-Oct-12	TS1 NORTH	North 2	TS1-1011-0880-A	13-Oct-12	14:25	14:35	10	4	1.38E-13	1.91E-14	1.38E-13	U	3.00E-13
184	11-Oct-12	TS2	East 1	TS2-1011-0845-A	13-Oct-12	14:08	14:18	10	4	1.62E-13	2.25E-14	1.62E-13	U	3.00E-13
185	11-Oct-12	TS2	East 2	TS2-1011-0884-A	13-Oct-12	14:39	14:49	10	4	1.65E-13	2.29E-14	1.65E-13	U	3.00E-13
186	11-Oct-12	TS2	North	TS2-1011-0882-A	13-Oct-12	14:39	14:49	10	4	1.65E-13	2.28E-14	1.65E-13	U	3.00E-13
187	11-Oct-12	TS2	West	TS2-1011-0883-A	13-Oct-12	13:56	14:06	10	4	1.90E-13	2.63E-14	1.90E-13	U	3.00E-13
192	13-Oct-12	SCHOOL	North	TS1-1013-0841-A	15-Oct-12	14:47	14:57	10	1	4.33E-14	2.58E-14	4.33E-14	U	3.00E-13
188	13-Oct-12	TS1 NORTH	South	TS1-1013-0842-A	15-Oct-12	14:25	14:35	10	0	-4.74E-15	2.83E-14	2.83E-14	U	3.00E-13
189	13-Oct-12	TS1 NORTH	Work Zone	TS1-1013-0880-A	15-Oct-12	14:35	14:45	10	2	8.95E-14	2.54E-14	8.95E-14	U	3.00E-13
190	13-Oct-12	TS1 NORTH	Work Zone	TS1-1013-0883-A (D)	15-Oct-12	14:36	14:46	10	2	1.07E-13	3.04E-14	1.07E-13	U	3.00E-13
191	13-Oct-12	TS1 NORTH	North 2	TS1-1013-0881-A	15-Oct-12	14:47	14:57	10	2	9.21E-14	2.61E-14	9.21E-14	U	3.00E-13
193	13-Oct-12	TS2	East 1	TS2-1013-0843-A	15-Oct-12	13:57	14:07	10	1	4.54E-14	2.70E-14	4.54E-14	U	3.00E-13
194	13-Oct-12	TS2	East 2	TS2-1013-0845-A	15-Oct-12	13:58	14:08	10	1	4.85E-14	2.89E-14	4.85E-14	U	3.00E-13
195	13-Oct-12	TS2	East 2	TS2-1013-0844-A (D)	15-Oct-12	14:09	14:19	10	2	8.91E-14	2.53E-14	8.91E-14	U	3.00E-13
196	13-Oct-12	TS2	North	TS2-1013-0882-A	15-Oct-12	14:10	14:20	10	1	5.54E-14	3.30E-14	5.54E-14	U	3.00E-13
197	13-Oct-12	TS2	West	TS2-1013-0835-A	15-Oct-12	14:24	14:34	10	1	4.44E-14	2.65E-14	4.44E-14	U	3.00E-13
201	15-Oct-12	SCHOOL	North	TS1-1015-0843-A	17-Oct-12	16:11	16:21	10	2	7.87E-14	2.23E-14	7.87E-14	U	3.00E-13
198	15-Oct-12	TS1 NORTH	South	TS1-1015-0835-A	17-Oct-12	16:00	16:10	10	1	3.63E-14	2.17E-14	3.63E-14	U	3.00E-13
199	15-Oct-12	TS1 NORTH	Work Zone	TS1-1015-0845-A	17-Oct-12	16:13	16:23	10	1	3.71E-14	2.21E-14	3.71E-14	U	3.00E-13
200	15-Oct-12	TS1 NORTH	North 2	TS1-1015-0884-A	17-Oct-12	16:02	16:12	10	2	8.23E-14	2.34E-14	8.23E-14	U	3.00E-13
202	15-Oct-12	TS2	North	TS2-1015-0841-A	17-Oct-12	15:37	15:47	10	1	4.13E-14	2.46E-14	4.13E-14	U	3.00E-13
203	15-Oct-12	TS2	Work Zone	TS2-1015-0882-A	17-Oct-12	15:50	16:00	10	1	4.23E-14	2.52E-14	4.23E-14	U	3.00E-13
204	15-Oct-12	TS2	East 2	TS2-1015-0842-A	17-Oct-12	15:38	15:48	10	2	8.77E-14	2.49E-14	8.77E-14	U	3.00E-13
205	15-Oct-12	TS2	East 1	TS2-1015-0881-A	17-Oct-12	15:49	15:59	10	1	5.00E-14	2.98E-14	5.00E-14	U	3.00E-13
210	16-Oct-12	SCHOOL	North	TS1-1016-0835-A	18-Oct-12	15:36	15:46	10	1	3.97E-14	2.37E-14	3.97E-14	U	3.00E-13
206	16-Oct-12	TS1 NORTH	South	TS1-1016-0880-A	18-Oct-12	15:24	15:34	10	2	7.39E-14	2.10E-14	7.39E-14	U	3.00E-13
207	16-Oct-12	TS1 NORTH	Work Zone	TS1-1016-0884-A	18-Oct-12	15:22	15:32	10	3	1.26E-13	2.36E-14	1.26E-13	U	3.00E-13
208	16-Oct-12	TS1 NORTH	Work Zone	TS1-1016-0843-A (D)	18-Oct-12	15:34	15:44	10	3	1.34E-13	2.50E-14	1.34E-13	U	3.00E-13
209	16-Oct-12	TS1 NORTH	North 2	TS1-1016-0883-A	18-Oct-12	15:46	15:56	10	2	1.07E-13	3.05E-14	1.07E-13	U	3.00E-13
211	16-Oct-12	TS2	North	TS2-1016-0882-A	18-Oct-12	15:11	15:21	10	1	4.25E-14	2.53E-14	4.25E-14	U	3.00E-13
212	16-Oct-12	TS2	West	TS2-1016-0881-A	18-Oct-12	15:00	15:10	10	1	4.16E-14	2.48E-14	4.16E-14	U	3.00E-13



# Summary of Final Alpha Activity Sample Concentrations in Airborne Particulates

Cove Transfer Station Sites 1 and 2 Removal Action

Cove, Apache County, Arizona

Sample Sequence #	Sample Collection Date	Sample Location	Sample Station	Sample Identification	Final Sample Count Date	Final Sample Count Start Time	Final Sample Count Stop Time	Sample Count Time (minutes)	Final Alpha Sample Counts	Alpha Sample Count Concentration (µCi/cc)	Alpha Sample Count MDC (µCi/cc)	Final Alpha Sample Count Concentration (µCi/cc) Less Than	U=<	10% of Th-230 DAC
213	16-Oct-12	TS2	West	TS2-1016-0842-A (D)	18-Oct-12	15:02	15:12	10	1	3.83E-14	2.29E-14	3.83E-14	U	3.00E-13
214	16-Oct-12	TS2	East 2	TS2-1016-0845-A	18-Oct-12	14:50	15:00	10	2	8.54E-14	2.42E-14	8.54E-14	U	3.00E-13
215	16-Oct-12	TS2	East 1	TS2-1016-0841-A	18-Oct-12	15:13	15:23	10	1	3.77E-14	2.25E-14	3.77E-14	U	3.00E-13
219	17-Oct-12	SCHOOL	North	TS1-1017-0881-A	19-Oct-12	14:05	14:15	10	1	4.75E-14	2.83E-14	4.75E-14	U	3.00E-13
216	17-Oct-12	TS1 NORTH	South	TS1-1017-0843-A	19-Oct-12	14:04	14:14	10	2	7.76E-14	2.20E-14	7.76E-14	U	3.00E-13
217	17-Oct-12	TS1 NORTH	Work Zone	TS1-1017-0882-A	19-Oct-12	14:15	14:25	10	1	3.83E-14	2.28E-14	3.83E-14	U	3.00E-13
218	17-Oct-12	TS1 NORTH	North 2	TS1-1017-0845-A	19-Oct-12	14:15	14:25	10	1	4.27E-14	2.55E-14	4.27E-14	U	3.00E-13
220	17-Oct-12	TS2	West	TS2-1017-0884-A	19-Oct-12	13:51	14:01	10	1	3.59E-14	2.14E-14	3.59E-14	U	3.00E-13
221	17-Oct-12	TS2	North	TS2-1017-0883-A	19-Oct-12	13:51	14:01	10	2	8.80E-14	2.50E-14	8.80E-14	U	3.00E-13
222	17-Oct-12	TS2	East 2	TS2-1017-0835-A	19-Oct-12	11:46	11:56	10	4	1.70E-13	2.36E-14	1.70E-13	U	3.00E-13
223	17-Oct-12	TS2	East 1	TS2-1017-0880-A	19-Oct-12	13:38	13:48	10	1	7.49E-14	4.46E-14	7.49E-14	U	3.00E-13
224	17-Oct-12	TS2	East 1	TS2-1017-0880-B	19-Oct-12	13:40	13:50	10	1	1.11E-13	6.65E-14	1.11E-13	U	3.00E-13
229	18-Oct-12	SCHOOL	North	TS1-1018-0884-A	20-Oct-12	14:27	14:37	10	0	-4.59E-15	2.73E-14	2.73E-14	U	3.00E-13
225	18-Oct-12	TS1 NORTH	North 2	TS1-1018-0880-A	20-Oct-12	15:21	15:31	10	2	6.26E-14	1.78E-14	6.26E-14	U	3.00E-13
226	18-Oct-12	TS1 NORTH	South	TS1-1018-0881-A	20-Oct-12	15:32	15:42	10	0	-4.50E-15	2.68E-14	2.68E-14	U	3.00E-13
227	18-Oct-12	TS1 NORTH	Work Zone	TS1-1018-0835-A	20-Oct-12	15:32	15:42	10	2	1.01E-13	2.87E-14	1.01E-13	U	3.00E-13
228	18-Oct-12	TS1 NORTH	Work Zone	TS1-1018-0883-A (D)	20-Oct-12	14:26	14:36	10	1	5.26E-14	3.13E-14	5.26E-14	U	3.00E-13
230	18-Oct-12	TS2	East 1	TS2-1018-0845-A	20-Oct-12	15:07	15:17	10	0	-4.18E-15	2.49E-14	2.49E-14	U	3.00E-13
231	18-Oct-12	TS2	North	TS2-1018-0841-A	20-Oct-12	14:07	14:17	10	1	4.14E-14	2.47E-14	4.14E-14	U	3.00E-13
232	18-Oct-12	TS2	West	TS2-1018-0842-A	20-Oct-12	15:07	15:17	10	0	-4.07E-15	2.43E-14	2.43E-14	U	3.00E-13
233	18-Oct-12	TS2	East 2	TS2-1018-0843-A (D)	20-Oct-12	15:20	15:30	10	4	3.27E-13	3.29E-14	2.37E-13	U	3.00E-13
234	18-Oct-12	TS2	North	TS2-1018-0882-A	20-Oct-12	14:07	14:17	10	1	3.79E-14	2.26E-14	3.79E-14	U	3.00E-13
235	19-Oct-12	SCHOOL	North	TS1-1019-0841-A	23-Oct-12	12:08	12:18	10	0	-3.66E-15	2.18E-14	2.18E-14	U	3.00E-13
236	19-Oct-12	TS1 NORTH	North 2	TS1-1019-0845-A	23-Oct-12	11:57	12:07	10	0	-4.06E-15	2.42E-14	2.42E-14	U	3.00E-13
237	19-Oct-12	TS1 NORTH	Work Zone	TS1-1019-0881-A	23-Oct-12	11:43	11:53	10	0	-3.84E-15	2.29E-14	2.29E-14	U	3.00E-13
238	19-Oct-12	TS2	North	TS2-1019-0883-A	23-Oct-12	11:59	12:09	10	0	-3.72E-15	2.22E-14	2.22E-14	U	3.00E-13
239	19-Oct-12	TS2	West	TS2-1019-0844-A	23-Oct-12	12:10	12:20	10	0	-3.65E-15	2.18E-14	2.18E-14	U	3.00E-13
240	20-Oct-12	SCHOOL	North	TS1-1020-0880-A	23-Oct-12	13:01	13:11	10	0	-3.87E-15	2.31E-14	2.31E-14	U	3.00E-13
241	20-Oct-12	TS1 NORTH	North 2	TS1-1020-0835-A	23-Oct-12	12:31	12:41	10	1	3.79E-14	2.26E-14	3.79E-14	U	3.00E-13
242	20-Oct-12	TS1 NORTH	Work Zone	TS1-1020-0882-A	23-Oct-12	12:42	12:52	10	1	3.60E-14	2.15E-14	3.60E-14	U	3.00E-13
243	20-Oct-12	TS1 NORTH	Work Zone	TS1-1020-0883-A (D)	23-Oct-12	12:19	12:29	10	1	3.90E-14	2.32E-14	3.90E-14	U	3.00E-13
244	20-Oct-12	TS1 NORTH	South	TS1-1020-0884-A	23-Oct-12	12:21	12:31	10	1	3.95E-14	2.36E-14	3.95E-14	U	3.00E-13
245	20-Oct-12	TS2	West	TS2-1020-0845-A	23-Dec-12	13:31	13:41	10	1	4.34E-14	2.59E-14	4.34E-14	U	3.00E-13
246	20-Oct-12	TS2	East 2	TS2-1020-0843-A	23-Oct-12	13:01	13:11	10	3	1.23E-13	2.30E-14	1.23E-13	U	3.00E-13
247	22-Oct-12	SCHOOL	North	TS1-1022-0835-A	24-Oct-12	11:12	11:22	10	3	1.22E-13	2.28E-14	1.22E-13	U	3.00E-13
248	22-Oct-12	TS1 NORTH	North 2	TS1-1022-0842-A	24-Oct-12	10:35	10:45	10	2	8.46E-14	2.40E-14	8.46E-14	U	3.00E-13
249	22-Oct-12	TS1 NORTH	Work Zone	TS1-1022-0883-A	24-Oct-12	12:32	12:42	10	1	1.17E-13	6.95E-14	1.17E-13	U	3.00E-13
250	22-Oct-12	TS1 NORTH	South	TS1-1022-0845-A	24-Oct-12	11:10	11:20	10	2	9.06E-14	2.57E-14	9.06E-14	U	3.00E-13
251	22-Oct-12	TS2	Work Zone	TS2-1022-0882-A	24-Oct-12	10:48	10:58	10	0	-4.88E-15	2.91E-14	2.91E-14	U	3.00E-13
252	22-Oct-12	TS2	North	TS2-1022-0880-A	24-Oct-12	12:35	12:45	10	1	4.78E-14	2.85E-14	4.78E-14	U	3.00E-13
253	22-Oct-12	TS2	East 2	TS2-1022-0884-A	24-Oct-12	10:32	10:42	10	3	1.19E-13	2.22E-14	1.19E-13	U	3.00E-13
254	22-Oct-12	TS2	West	TS2-1022-0843-A	24-Oct-12	10:48	10:58	10	1	5.99E-14	3.57E-14	5.99E-14	U	3.00E-13
255	23-Oct-12	SCHOOL	North	TS1-1023-0842-A	25-Oct-12	14:06	14:16	10	1	4.00E-14	2.39E-14	4.00E-14	U	3.00E-13
256	23-Oct-12	TS1 NORTH	North 2	TS1-1023-0835-A	24-Oct-12	12:39	12:49	10	1	5.07E-14	3.02E-14	5.07E-14	U	3.00E-13
257	23-Oct-12	TS1 NORTH	Work Zone	TS1-1023-0882-A	25-Oct-12	12:39	12:49	10	2	1.04E-13	2.96E-14	1.04E-13	U	3.00E-13
258	23-Oct-12	TS1 NORTH	South	TS1-1023-0884-A	25-Oct-12	14:08	14:18	10	1	4.72E-14	2.82E-14	4.72E-14	U	3.00E-13
259	23-Oct-12	TS2	Work Zone	TS2-1023-0881-A	25-Oct-12	15:24	15:34	10	0	-5.22E-15	3.12E-14	3.12E-14	U	3.00E-13
260	23-Oct-12	TS2	North	TS2-1023-0845-A	25-Oct-12	15:12	15:22	10	1	9.64E-14	5.75E-14	9.64E-14	U	3.00E-13
261	23-Oct-12	TS2	North	TS2-1023-0843-A (D)	25-Oct-12	15:11	15:21	10	0	-8.95E-15	5.34E-14	5.34E-14	U	3.00E-13
262	23-Oct-12	TS2	West	TS2-1023-0880-A	25-Oct-12	14:40	14:50	10	1	4.59E-14	2.74E-14	4.59E-14	U	3.00E-13
263	23-Oct-12	TS2	East 2	TS2-1023-0841-A	25-Oct-12	15:01	15:11	10	1	4.62E-14	2.76E-14	4.62E-14	U	3.00E-13
264	24-Oct-12	SCHOOL	North	TS1-1024-0842-A	27-Oct-12	12:22	12:32	10	1	3.68E-14	2.19E-14	3.68E-14	U	3.00E-13
265	24-Oct-12	TS1 NORTH	North 2	TS1-1024-0880-A	27-Oct-12	11:56	12:06	10	1	3.89E-14	2.32E-14	3.89E-14	U	3.00E-13



# Summary of Final Alpha Activity Sample Concentrations in Airborne Particulates

Cove Transfer Station Sites 1 and 2 Removal Action

Cove, Apache County, Arizona

Sample Sequence #	Sample Collection Date	Sample Location	Sample Station	Sample Identification	Final Sample Count Date	Final Sample Count Start Time	Final Sample Count Stop Time	Sample Count Time (minutes)	Final Alpha Sample Counts	Alpha Sample Count Concentration (µCi/cc)	Alpha Sample Count MDC (µCi/cc)	Final Alpha Sample Count Concentration (µCi/cc) Less Than	U=<	10% of Th-230 DAC
266	24-Oct-12	TS1 NORTH	Work Zone	TS1-1024-0881-A	26-Oct-12	15:38	15:48	10	1	5.91E-14	3.52E-14	5.91E-14	U	3.00E-13
267	24-Oct-12	TS1 NORTH	Work Zone	TS1-1024-0843-A (D)	27-Oct-12	12:11	12:21	10	1	5.02E-14	2.99E-14	5.02E-14	U	3.00E-13
268	24-Oct-12	TS1 NORTH	South	TS1-1024-0841-A	27-Oct-12	12:11	12:21	10	0	-1.29E-14	7.72E-14	7.72E-14	U	3.00E-13
269	24-Oct-12	TS2	Work Zone	TS2-1024-0884-A	26-Oct-12	15:27	15:37	10	1	5.28E-14	3.15E-14	5.28E-14	U	3.00E-13
270	24-Oct-12	TS2	East 2	TS2-1024-0835-A	27-Oct-12	11:56	12:06	10	2	7.93E-14	2.25E-14	7.93E-14	U	3.00E-13
271	24-Oct-12	TS2	North	TS2-1024-0882-A	27-Oct-12	12:34	12:44	10	1	5.05E-14	3.01E-14	5.05E-14	U	3.00E-13
272	24-Oct-12	TS2	West	TS2-1024-0845-A	27-Oct-12	12:35	12:45	10	0	-6.71E-15	4.00E-14	4.00E-14	U	3.00E-13
273	25-Oct-12	SCHOOL	North	TS1-1025-0884-A	27-Oct-12	13:35	13:45	10	0	-3.79E-15	2.26E-14	2.26E-14	U	3.00E-13
274	25-Oct-12	TS1 NORTH	North 2	TS1-1025-0841-A	27-Oct-12	12:55	13:05	10	1	4.85E-14	2.89E-14	4.85E-14	U	3.00E-13
275	25-Oct-12	TS1 NORTH	Work Zone	TS1-1025-0842-A	27-Oct-12	13:46	13:56	10	0	-4.32E-15	2.57E-14	2.57E-14	U	3.00E-13
276	25-Oct-12	TS1 NORTH	South	TS1-1025-0882-A	27-Oct-12	13:36	13:46	10	1	3.69E-14	2.20E-14	3.69E-14	U	3.00E-13
277	25-Oct-12	TS2	Work Zone	TS2-1025-0880-A	27-Oct-12	13:07	13:17	10	1	3.67E-14	2.19E-14	3.67E-14	U	3.00E-13
278	25-Oct-12	TS2	East 2	TS2-1025-0835-A	27-Oct-12	13:22	13:32	10	3	1.16E-13	2.17E-14	1.16E-13	U	3.00E-13
279	25-Oct-12	TS2	North	TS2-1025-0845-A	27-Oct-12	13:21	13:31	10	1	5.18E-14	3.09E-14	5.18E-14	U	3.00E-13
280	25-Oct-12	TS2	North	TS2-1025-0843-A (D)	27-Oct-12	13:10	13:20	10	1	4.71E-14	2.81E-14	4.71E-14	U	3.00E-13
281	25-Oct-12	TS2	West	TS2-1025-0881-A	27-Oct-12	12:53	13:03	10	0	-4.02E-15	2.39E-14	2.39E-14	U	3.00E-13
285	26-Oct-12	SCHOOL	North	TS1-1026-0882-A	29-Oct-12	13:46	13:56	10	0	-4.37E-15	2.60E-14	2.60E-14	U	3.00E-13
282	26-Oct-12	TS1 NORTH	South	TS1-1026-0881-A	29-Oct-12	13:57	14:07	10	0	-4.42E-15	2.63E-14	2.63E-14	U	3.00E-13
283	26-Oct-12	TS1 NORTH	Work Zone	TS1-1026-0835-A	29-Oct-12	14:27	14:37	10	0	-3.96E-15	2.36E-14	2.36E-14	U	3.00E-13
284	26-Oct-12	TS1 NORTH	North 2	TS1-1026-0845-A	29-Oct-12	13:29	13:39	10	0	-4.24E-15	2.53E-14	2.53E-14	U	3.00E-13
286	26-Oct-12	TS2	North	TS2-1026-0842-A	29-Oct-12	13:18	13:28	10	0	-5.68E-15	3.38E-14	3.38E-14	U	3.00E-13
287	26-Oct-12	TS2	West	TS2-1026-0843-A	29-Oct-12	13:07	13:17	10	0	-5.04E-15	3.01E-14	3.01E-14	U	3.00E-13
288	26-Oct-12	TS2	East 2	TS2-1026-0880-A	29-Oct-12	14:39	14:49	10	0	-4.52E-15	2.70E-14	2.70E-14	U	3.00E-13
289	26-Oct-12	TS2	Work Zone	TS2-1026-0884-A	29-Oct-12	15:03	15:13	10	0	-4.20E-15	2.50E-14	2.50E-14	U	3.00E-13
290	27-Oct-12	SCHOOL	North	TS1-1027-0845-A	29-Oct-12	16:28	16:38	10	1	4.91E-14	2.93E-14	4.91E-14	U	3.00E-13
291	27-Oct-12	TS1 NORTH	North 2	TS1-1027-0843-A	29-Oct-12	15:55	16:05	10	1	5.54E-14	3.30E-14	5.54E-14	U	3.00E-13
292	27-Oct-12	TS1 NORTH	Work Zone	TS1-1027-0884-A	29-Oct-12	15:45	15:55	10	1	5.33E-14	3.18E-14	5.33E-14	U	3.00E-13
293	27-Oct-12	TS1 NORTH	South	TS1-1027-0880-A	29-Oct-12	15:17	15:27	10	1	5.85E-14	3.49E-14	5.85E-14	U	3.00E-13
294	27-Oct-12	TS2	Work Zone	TS2-1027-0842-A	29-Oct-12	16:07	16:17	10	1	5.55E-14	3.31E-14	5.55E-14	U	3.00E-13
295	27-Oct-12	TS2	West	TS2-1027-0835-A	29-Oct-12	16:28	16:38	10	1	6.09E-14	3.63E-14	6.09E-14	U	3.00E-13
296	27-Oct-12	TS2	North	TS2-1027-0881-A	29-Oct-12	16:53	17:03	10	1	6.03E-14	3.59E-14	6.03E-14	U	3.00E-13
297	27-Oct-12	TS2	North	TS2-1027-0841-A (D)	29-Oct-12	16:41	16:51	10	1	5.85E-14	3.49E-14	5.85E-14	U	3.00E-13
298	27-Oct-12	TS2	East2	TS2-1027-0882-A	29-Oct-12	16:17	16:27	10	1	6.11E-14	3.64E-14	6.11E-14	U	3.00E-13

## Notes:

- 1) Sample activity counts analyzed by Ludlum Measurements, Inc. Model 3030 Alpha/Beta counter
- 2) Site-specific action level utilized for airborne particulates during on site dust generation is 10% of the Th-230 DAC

## Abbreviations:

µCi/cc = microcuries per cubic centimeter

(D) = Co-located field duplicate sample

DAC = derived air concentration

MDC = minimum detection concentration

School = Cove Day School

Th-230 = Thorium 230

TS1 = Transfer Station Site 1

TS2 = Transfer Station Site 2

U = Sample concentration was not detected above the site-specific action level of 10% of the Th-230 DAC



# **Appendix E**

## **Laboratory Analytical Reports and Data Validation Reports for Soil Sampling Data**





# ANALYTICAL DATA REVIEW SUMMARY

## Tier 2 Validation

<b>Site Name:</b> Cove Transfer Station Sites 1 and 2	<b>Location:</b> Navajo Nation, Cove Chapter, Apache County, Arizona
<b>Project TDD Number:</b> EP-S5-08-01	<b>PAN:</b> EE-002693-2199-06TTO

<b>Laboratory:</b> GEL Laboratories	<b>Lab Project Number:</b> 314556
<b>Sampling Dates:</b> October 29-30, 2012	<b>Sample Matrix:</b> Soil, water (rinsates)
<b>Analytical Method:</b> Radium-226 (DOE HASL 300, 4.5.2.3/Ga-01-R, Gamma Spectroscopy); Radium-226 (EPA 903.1 Modified, Lucas Cell)	<b>Data Reviewer:</b> Joanna Z. Christopher

### REVIEW AND APPROVAL:

**Data Reviewer:** Joanna Z. Christopher  
**Technical QA Reviewer:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_

**Date:** 12-6-12  
**Date:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

### SAMPLE IDENTIFICATION:

Sample No.	Sample I.D.	Laboratory I.D.
1	TS1-01-102912	314556001
2	TS1-01-102912-D	314556002
3	TS1-02-102912	314556003
4	TS1-03-102912	314556004
5	TS1-04-102912	314556005
6	TS1-05-102912	314556006
7	TS1-06-102912	314556007
8	TS1-07-102912	314556008
9	TS1-08-102912	314556009
10	TS1-09-102912	314556010
11	TS1-10-102912	314556011
12	TS1-11-102912	314556012
13	TS1-11-102912-D	314556013
14	TS1-12-102912	314556014
15	TS1-13-102912	314556015
16	TS1-14-103012	314556016
17	TS1-14-103012-D	314556017
18	TS1-15-103012	314556018
19	TS1-16-103012	314556019
20	TS1-17-103012	314556020
21	TS1-18-103012	314556021
22	TS1-19-103012	314556022
23	TS1-20-103012	314556023
24	TS1-21-103012	314556024
25	TS1-22-103012	314556025
26	TS1-23-103012	314556026
27	TS1-24-103012	314556027
28	TS1-25-103012	314556028
29	TS1-26-103012	314556029



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

Sample No.	Sample I.D.	Laboratory I.D.
30	TS1-27-103012	314556030
31	TS1-28-103012	314556031
32	102912-RB	314556032
33	103012-RB	314556033



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### DATA PACKAGE COMPLETENESS CHECKLIST:

#### Checklist Code:

- X   Included: no problems
- \*   Included: problems noted in review
- O   Not Included and/or Not Available
- NR  Not Required
- RS  Provided As Re-submission

#### Case Narrative:

- X   Case Narrative present

#### Quality Control Summary Package:

- X   Data Summary sheets
- X   Initial and Continuing Calibration results
- X   Detector Background Control Charts
- NR  Matrix Spike recoveries
- X   Matrix Duplicate results
- X   Laboratory Control Sample recoveries
- X   Analysis Detection Limits
- X   Preparation Log
- X   Analysis Run Log

#### Raw QC Data Package Section

- X   Chain-of-Custody Records
- X   Instrument Printouts
- X   Sample Preparation Notebook Pages
- NR  Logbook and Worksheet Pages
- NR  Percent Solids Determination



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### DATA VALIDATION SUMMARY

The data were reviewed following procedures and limits specified in the Region 9 Superfund Data Evaluation/Validation Guidance (EPA R9QA/006.1), December 2001 (U.S. EPA, 2001b). Standard data QA/QC review requirements are the Tier 2 validation of 100 percent of the data (EPA, 2001b).

Indicate with a YES or NO whether each item is acceptable without qualification:

1	Holding Times	Yes
2	Initial and Continuing Calibrations	Yes
3	Laboratory Control Sample	Yes
4	Matrix Spike	Not Required
5	Blanks and Background Samples	No
6	Duplicate Analyses	Yes (Field and Matrix Duplicates)
7	Analyte Quantitation	Yes
8	Overall Assessment of Data	No
9	Usability of Data	Yes

#### Comments:

The SAP requires one field duplicate sample per ten samples. Three field duplicate sample pairs were collected for this SDG: TS1-01-102912 and TS1-01-102912-D, TS1-11-102912 and TS1-11-102912-D, and TS1-14-103012 and TS1-14-103012-D, which is acceptable. The SAP requires one rinsate blank for non-dedicated sampling equipment per day. Two rinsate blanks were collected, one for each day of sample collection for this SDG: 102912-RB and 103012-RB, which is acceptable.

Background samples for this sampling area were collected during previous removal assessment activities.

Four results were qualified with U with elevated detection limits based on radium-226 detected in the rinsate blank.



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> Cove Transfer Station Sites 1 and 2	<b>Location:</b> Navajo Nation, Cove Chapter, Apache County, Arizona
<b>Project TDD Number:</b> EP-S5-08-01	<b>PAN:</b> EE-002693-2199-06TTO

### 1. HOLDING TIMES

☒ **Acceptable**  
☐ **Acceptable with qualification**  
☐ **Unacceptable**

Samples were analyzed within required holding times except as noted under Comments. In addition, no problems were identified with regard to sample preservation or custody unless specified. For those samples analyzed outside holding time requirements, the detected results have been qualified as estimated (J), and the nondetected results have been qualified either as estimated (UJ) or rejected (R) based on the reviewer's judgment.

#### **All Sample Matrices:**

Radiochemistry analyses: 6 months from collection to analysis.

**Comments:** For gamma spec soil analysis the laboratory ingrowth period was 21 days. The soil samples were analyzed 30 to 31 days after collection, and the rinsate blanks were analyzed 15 to 16 days after collection, which is acceptable.



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### 2. INITIAL AND CONTINUING CALIBRATION VERIFICATION

☒ **Acceptable**  
☐ **Acceptable with qualification**  
☐ **Unacceptable**

Unless flagged below, an initial calibration verification (ICV), background, and efficiency check were performed for each detector at the beginning of the run, and were within the laboratory acceptance limits.

#### Comments:

All gamma spec detectors and Lucas cells used for these analyses were operating within acceptance criteria.



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### 3. LABORATORY CONTROL SAMPLE

- ☒ **Acceptable**  
☐ **Acceptable with qualification**  
☐ **Unacceptable**  
☐ **No Laboratory Control Samples Analyzed**

Laboratory control sample recoveries are used for a qualitative indication of accuracy (bias) independent of matrix effects. LCS recovery limits should either be specified in the Sampling and Analysis Plan or can be established by the laboratory. For analytes which exceeded these control limits, associated detected results are qualified as estimated (J). In cases where the recovery was below 30%, all associated nondetected results are rejected (R) and detected results are qualified as estimated (J).

#### Comments:

All LCS recoveries associated with the sample analyses were within laboratory acceptance criteria for accuracy.



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

#### 4. MATRIX SPIKE

\_\_\_\_\_ Acceptable  
\_\_\_\_\_ Acceptable with qualification  
\_\_\_\_\_ Unacceptable  
NR No Matrix Spikes Analyzed

Matrix spike recoveries are used for a qualitative indication of accuracy (bias) due to matrix effects. Unless flagged below, one laboratory control sample was analyzed at a rate of one per batch or one per 20 samples. Recoveries were within a range of 75-125%. For analytes which exceeded these control limits, associated detected results are qualified as estimated (J). In cases where the recovery was below 30%, all associated nondetected results are rejected (R) and detected results are qualified as estimated (J).

#### Comments:

Matrix spike analyses are not required for these analyses.



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### 5. BLANKS AND BACKGROUND SAMPLES

☐ Acceptable  
☒ Detection Limits Adjusted

The following blanks were analyzed:

☒ Method (preparation) Blanks  
☐ Field Blanks  
☒ Calibration Blanks (instrument background check)  
☒ Rinsate Blanks  
☐ Background Samples

Preparation (method) blanks were prepared for each batch of samples. A preparation blank was analyzed after every LCS, prior to sample analysis unless noted below. Any compound detected in the sample and also detected in any associated blank, must be qualified as non-detect (U) when the sample concentration is less than 5x the blank concentration.

#### Comments:

All background counts and method blanks associated with these analyses were within laboratory acceptance criteria. Four results for samples collected on October 29 were qualified with U and the detection limit was elevated because radium-226 was detected in the rinsate blank for October 29.



# ANALYTICAL DATA REVIEW SUMMARY

## Tier 2 Validation

<b>Site Name:</b> Cove Transfer Station Sites 1 and 2	<b>Location:</b> Navajo Nation, Cove Chapter, Apache County, Arizona
<b>Project TDD Number:</b> EP-S5-08-01	<b>PAN:</b> EE-002693-2199-06TTO

## 6. DUPLICATE ANALYSES

☒ Acceptable  
☐ Acceptable with qualification  
☐ Unacceptable  
☐ No Duplicates Analyzed

Type of duplicates analyzed:

☒ Field Duplicates  
☒ Laboratory Duplicates

Calculate the relative Percent Difference (RPD) between the members of duplicate pairs using the equation indicated below. Qualify the detected results as estimated (J) for any analyte whose RPD in a laboratory duplicate exceeds 20% for water samples or 35% for soil samples.

$$RPD = \frac{2(\text{Value 1} - \text{Value 2})}{\text{Value 1} + \text{Value 2}} \times 100\%$$

For radiological analyses calculate the normalized absolute difference (NAD; also known as relative error ratio) between the members of duplicate pairs using the equation indicated below. Qualify the detected results as estimated (J) for any analyte whose NAD in a laboratory duplicate exceeds 3 for water samples or soil samples.

$$NAD = \frac{|x_1 - x_2|}{\sqrt{u_c(x_1)^2 + u_c(x_2)^2}}$$

Where:

**NAD** = statistical difference between two radioanalytical results  
 **$|x_1 - x_2|$**  = absolute value of the difference between result 1 and result 2  
 **$x_1$**  = measured activity of result 1  
 **$x_2$**  = measured activity of result 2  
 **$u_c(x_1)$**  = combined standard uncertainty for result 1  
 **$u_c(x_2)$**  = combined standard uncertainty for result 2

Warning limit for NAD is 2.

Control limit for NAD is 3.

Comments:

The RPDs calculated for the laboratory duplicate and field duplicate sample pair analyses performed for radium-226 were within acceptance limits for precision.



# ANALYTICAL DATA REVIEW SUMMARY

## Tier 2 Validation

<b>Site Name:</b> Cove Transfer Station Sites 1 and 2	<b>Location:</b> Navajo Nation, Cove Chapter, Apache County, Arizona
<b>Project TDD Number:</b> EP-S5-08-01	<b>PAN:</b> EE-002693-2199-06TTO

## 7. ANALYTE QUANTITATION

Confirm that analyte quantitation was performed correctly using the following formula:

$$\text{Ra-226 (pCi/g)} = \frac{\text{net peak area} \times \text{decay factor}}{2.22 \times \text{counting efficiency} \times \text{sample mass} \times \text{isotopic abundance} \times \text{count time} \times \text{ingrowth factor}}$$

### Comments:

10% of the results were calculated and found to be correct, as shown below.

Ra-226 by gamma spec:

Lab sample id	net cts	ingrowth factor	% eff	Mass, g	% abn	ct time, min	calc result	rpt res	% calc v rpt
314556002	4613	1.00	0.02711	143.823	0.463	120	9.59	9.76	98.28
314556010	734	1.00	0.02046	125.100	0.463	120	2.33	2.37	98.10
314556017	572	1.00	0.02031	141.103	0.463	120	1.62	1.65	98.07
314556021	1422	1.00	0.02654	153.654	0.463	120	2.83	2.88	98.16
314556032	17	0.743	2.125	0.4900	1.00	30	0.33	0.33	100.00



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### 8. OVERALL ASSESSMENT OF DATA

On the basis of this review, the following determination has been made with regard to the overall data usability for the specified level.

☐ Acceptable  
☒ Acceptable with Qualification  
☐ Rejected

Accepted data meet the minimum requirements for the following EPA data category:

☐ ERS Screening  
☐ Non-definitive with 10 % Conformation by Definitive Methodology  
☐ Definitive, Comprehensive Statistical Error Determination was performed.  
☒ Definitive, Comprehensive Statistical Error Determination was not performed.

Any qualifications to individual sample analysis results are detailed in the appropriate section above or appear under the comments section below. In cases where several QC criteria are out of specification, it may be appropriate to further qualify the data usability. The data reviewer must use professional judgment and express concerns and comments on the data validity for each specific data package.

#### Comments:

Four results are qualified with U with elevated detection limits based on radium-226 detected in the rinsate blank for October 29.



## ANALYTICAL DATA REVIEW SUMMARY

### Tier 2 Validation

<b>Site Name:</b> <i>Cove Transfer Station Sites 1 and 2</i>	<b>Location:</b> <i>Navajo Nation, Cove Chapter, Apache County, Arizona</i>
<b>Project TDD Number:</b> <i>EP-S5-08-01</i>	<b>PAN:</b> <i>EE-002693-2199-06TTO</i>

### 9. DOCUMENTATION OF LABORATORY CORRECTIVE ACTION

**Problem:** None.

**Resolution:** N/A

**Attached are copies of all data summary sheets, with data qualifiers indicated, and a copy of the chain of custody for the samples.**



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-01-102912  
Sample ID: 314556001  
Matrix: Soil  
Collect Date: 29-OCT-12 13:50  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		9.60	+/-0.995	0.156	1.00	pCi/g		MXR1	11/28/12	1035	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Janna Christopher* 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-01-102912-D  
Sample ID: 314556002  
Matrix: Soil  
Collect Date: 29-OCT-12 13:50  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		9.76	+/-1.01	0.138	1.00	pCi/g		MXR1	11/28/12	1036	1260831	1
------------	--	------	---------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher*

*12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-02-102912  
Sample ID: 314556003  
Matrix: Soil  
Collect Date: 29-OCT-12 13:30  
Receive Date: 05-NOV-12  
Collector: Client  
Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		12.4	+/-1.25	0.144	1.00	pCi/g		MXR1	11/28/12	1036	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R		

Joanna Christopher 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-03-102912 Project: ECOL00725  
Sample ID: 314556004 Client ID: ECOL007  
Matrix: Soil  
Collect Date: 29-OCT-12 13:37  
Receive Date: 05-NOV-12  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226	U	1.34	+/-0.191	<del>0.0844</del>	1.00	pCi/g		MXR1	11/28/12	1139	1260831	1
------------	---	------	----------	-------------------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-04-102912  
Sample ID: 314556005  
Matrix: Soil  
Collect Date: 29-OCT-12 13:45  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226	U	1.12	+/-0.198	<del>0.110</del>	1.00	pCi/g		MXR1	11/28/12	1140	1260831	1
------------	---	------	----------	------------------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-05-102912  
Sample ID: 314556006  
Matrix: Soil  
Collect Date: 29-OCT-12 13:39  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		14.5	+/-1.46	0.174	1.00	pCi/g		MXR1	11/28/12	1140	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R		

*Joanna Christopher* 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-06-102912  
Sample ID: 314556007  
Matrix: Soil  
Collect Date: 29-OCT-12 13:35  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		9.19	+/-0.987	0.180	1.00	pCi/g		MXR1	11/28/12	1141	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-07-102912  
Sample ID: 314556008  
Matrix: Soil  
Collect Date: 29-OCT-12 14:20  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		4.95	+/-0.550	0.122	1.00	pCi/g		MXR1	11/28/12	1141	1260831	1
------------	--	------	----------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-08-102912  
Sample ID: 314556009  
Matrix: Soil  
Collect Date: 29-OCT-12 14:17  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		2.59	+/-0.316	0.111	1.00	pCi/g		MXR1	11/28/12	1141	1260831	1
------------	--	------	----------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-09-102912  
Sample ID: 314556010  
Matrix: Soil  
Collect Date: 29-OCT-12 14:15  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		2.37	+/-0.331	0.145	1.00	pCi/g		MXR1	11/28/12	1144	1260831	1
------------	--	------	----------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R		

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-10-102912

Project: ECOL00725

Sample ID: 314556011

Client ID: ECOL007

Matrix: Soil

Collect Date: 29-OCT-12 13:55

Receive Date: 05-NOV-12

Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		6.12	+/-0.654	0.130	1.00	pCi/g		MXR1	11/28/12	1145	1260831	1
------------	--	------	----------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-11-102912  
Sample ID: 314556012  
Matrix: Soil  
Collect Date: 29-OCT-12 14:00  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.88	+/-0.298	0.147	1.00	pCi/g		MXR1	11/28/12	1145	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst	Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R		

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-11-102912-D  
Sample ID: 314556013  
Matrix: Soil  
Collect Date: 29-OCT-12 14:00  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

#### Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		1.92	+/-0.233	0.0808	1.00	pCi/g		MXR1	11/28/12	1159	1260831	1
------------	--	------	----------	--------	------	-------	--	------	----------	------	---------	---

#### The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

#### The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-12-102912  
Sample ID: 314556014  
Matrix: Soil  
Collect Date: 29-OCT-12 14:05  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

#### Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226	U	0.665	+/-0.148	<del>0.110</del>	1.00	pCi/g		MXR1	11/28/12	1238	1260831	1
------------	---	-------	----------	------------------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-13-102912  
Sample ID: 314556015  
Matrix: Soil  
Collect Date: 29-OCT-12 14:10  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226	U	0.560	+/-0.144	<del>0.0999</del>	1.00	pCi/g		MXR1	11/29/12	0942	1260831	1
------------	---	-------	----------	-------------------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

Joanna Christopher 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-14-103012  
Sample ID: 314556016  
Matrix: Soil  
Collect Date: 30-OCT-12 12:00  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.55	+/-0.250	0.125	1.00	pCi/g		MXR1	11/28/12	1239	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYTI	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Z Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-14-103012-D  
Sample ID: 314556017  
Matrix: Soil  
Collect Date: 30-OCT-12 12:01  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		1.65	+/-0.238	0.126	1.00	pCi/g		MXR1	11/28/12	1240	1260831	1
------------	--	------	----------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-15-103012  
Sample ID: 314556018  
Matrix: Soil  
Collect Date: 30-OCT-12 12:05  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.93	+/-0.262	0.0941	1.00	pCi/g		MXR1	11/28/12	1240	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-16-103012  
Sample ID: 314556019  
Matrix: Soil  
Collect Date: 30-OCT-12 12:13  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.47	+/-0.201	0.104	1.00	pCi/g		MXR1	11/28/12	1240	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-17-103012  
Sample ID: 314556020  
Matrix: Soil  
Collect Date: 30-OCT-12 12:16  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		2.45	+/-0.312	0.118	1.00	pCi/g		MXR1	11/28/12	1241	1260831	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0911	1260692

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-18-103012  
Sample ID: 314556021  
Matrix: Soil  
Collect Date: 30-OCT-12 12:07  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		2.88	+/-0.340	0.101	1.00	pCi/g		MXR1	11/28/12	0826	1260832	1
------------	--	------	----------	-------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

Joanna Christopher 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-19-103012  
Sample ID: 314556022  
Matrix: Soil  
Collect Date: 30-OCT-12 11:55  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.02	+/-0.160	0.094	1.00	pCi/g		MXR1	11/28/12	0827	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-20-103012  
Sample ID: 314556023  
Matrix: Soil  
Collect Date: 30-OCT-12 11:54  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	----	----	-------	----	---------	------	------	-------	--------

### Rad Gamma Spec Analysis

Gamma, Ra226, Solid "Dry Weight Corrected"

Radium-226		0.925	+/-0.159	0.0957	1.00	pCi/g		MXR1	11/28/12	0827	1260832	1
------------	--	-------	----------	--------	------	-------	--	------	----------	------	---------	---

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-21-103012  
Sample ID: 314556024  
Matrix: Soil  
Collect Date: 30-OCT-12 11:50  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.973	+/-0.162	0.0887	1.00	pCi/g		MXR1	11/28/12	0923	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-22-103012

Project: ECOL00725

Sample ID: 314556025

Client ID: ECOL007

Matrix: Soil

Collect Date: 30-OCT-12 11:48

Receive Date: 05-NOV-12

Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.60	+/-0.243	0.122	1.00	pCi/g		MXR1	11/28/12	0924	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Janna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-23-103012  
Sample ID: 314556026  
Matrix: Soil  
Collect Date: 30-OCT-12 11:45  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		5.94	+/-0.654	0.141	1.00	pCi/g		MXR1	11/28/12	0932	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

Joanna Christopher 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-24-103012  
Sample ID: 314556027  
Matrix: Soil  
Collect Date: 30-OCT-12 11:15  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		6.38	+/-0.672	0.118	1.00	pCi/g		MXR1	11/28/12	0925	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYTI	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Jenna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-25-103012  
Sample ID: 314556028  
Matrix: Soil  
Collect Date: 30-OCT-12 11:18  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		2.65	+/-0.317	0.0983	1.00	pCi/g		MXR1	11/28/12	0930	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

Joanna Christopher 12-6-12



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-26-103012  
Sample ID: 314556029  
Matrix: Soil  
Collect Date: 30-OCT-12 11:20  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		1.55	+/-0.248	0.143	1.00	pCi/g		MXR1	11/28/12	0931	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-27-103012  
Sample ID: 314556030  
Matrix: Soil  
Collect Date: 30-OCT-12 11:24  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		2.34	+/-0.315	0.120	1.00	pCi/g		MXR1	11/28/12	0938	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: TS1-28-103012  
Sample ID: 314556031  
Matrix: Soil  
Collect Date: 30-OCT-12 11:21  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gamma, Ra226, Solid "Dry Weight Corrected"												
Radium-226		0.818	+/-0.223	0.143	1.00	pCi/g		MXR1	11/28/12	0939	1260832	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LYT1	11/06/12	0921	1260693

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE HASL 300, 4.5.2.3/Ga-01-R	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: 102912-RB  
Sample ID: 314556032  
Matrix: Water  
Collect Date: 29-OCT-12 14:30  
Receive Date: 05-NOV-12  
Collector: Client

Project: ECOL00725  
Client ID: ECOL007

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226		0.330	+/-0.190	0.239	1.00	pCi/L		KSD1	11/14/12	1335	1260804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.1 Modified	

*Joanna Christopher 12-6-12*



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: November 30, 2012

Company : Ecology & Environment, Inc.  
Address : 3700 Industry Ave.  
#102  
Lakewood, California 90712  
Contact: Ms. Mindy Song  
Project: 2693.2199.06TTO Cove 751 & 752 Removal

Client Sample ID: 103012-RB Project: ECOL00725  
Sample ID: 314556033 Client ID: ECOL007  
Matrix: Water  
Collect Date: 30-OCT-12 12:00  
Receive Date: 05-NOV-12  
Collector: Client

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226	U	0.163	+/-0.170	0.273	1.00	pCi/L		KSD1	11/14/12	1335	1260804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 903.1 Modified	

*Joanna Christopher 12-6-12*



<b>GEL Chain of Custody and Analytical Request</b> 20121197470 GEL Work Order Number: 714556%		GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178	
Page: 1 of 4 Project #: 2012093 + 2199, 00770 GEL Quote #: COC Number (1): PO Number:	Client Name: Ecology & Environment Phone #: 562-997-1200 Project/Site Name: Cove TSI + T52 Removal Fax #: Address: 3700 Industry Ave, Lakewood, CA 90712 Collected by: Matt Diener Send Results To: Mindy Song		
Sample Analysis Requested (5) (Fill in the number of containers for each test)		Sample Collection Time Zone Eastern Pacific Other <u>Mountain</u>	
Sample ID *For composites - indicate start and stop date/time		Should this sample be considered: TSCA Regulated Radioactive	Total number of containers Preservative Type (6)
Comments Note: extra sample is required for sample specific QC			
TAT Requested: Normal: <input checked="" type="checkbox"/> Rush: Specify: (Subject to Surcharge) Fax Results: Yes / No		Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 <u>Level 3</u>	
Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards			
Chain of Custody Signatures Relinquished By (Signed) Date Time 1. Matt Diener 11/2/12 0950 2. <u>Spencer Edwards</u> 11.5.12 / 0930 3.		Sample Shipping and Delivery Details GEL PM: <u>Take Cook</u> Method of Shipment: <u>FedEx</u> Date Shipped: Airbill #:	
1) Chain of Custody Number = Client Determined 2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite 3) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered. 4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal 5) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1). 6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank			
WHITE = LABORATORY YELLOW = FILE PINK = CLIENT		For Lab Receiving Use Only Custody Seal Intact? YES NO Cooler Temp: C	

La copy > Janna Chrisopher 12-6-12



<h2 style="margin: 0;">GEL Chain of Custody and Analytical Request</h2>		GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178	
Page: <u>2</u> of <u>4</u> Project #: <u>002693.2199.06770</u> GEL Quote #: COC Number <sup>(1)</sup> : PO Number:		GEL Work Order Number:  	
Client Name: <u>Ecology + Environment</u> Phone #: <u>566-997-1200</u> Project/Site Name: <u>Live TFI+712 Removal</u> Fax #: Address: <u>3700 Industry Ave, Suite 102</u> Collected by: <u>Matt Binner</u> Send Results To: <u>Mindy Long</u>		Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)	
* For composites - indicate start and stop date/time Sample ID TFI-10-102912 TFI-11-102912 TFI-12-102912-0 TFI-12-102912 TFI-13-102912 TFI-14-103012 TFI-14-103012-A TFI-15-103012 TFI-16-103012 TFI-17-103012		Should this sample be considered: TSCA Regulated Radiative Yes No	
		Total number of containers: RA-2266 x 60 HA-1300 x 50 1	
Comments Note: extra sample is required for sample specific QC		<-- Preservative Type (6)	
TAT Requested: Normal: <input checked="" type="checkbox"/> Rush: Specify: (Subject to Surcharge) Fax Results: Yes / No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4		Sample Collection Time Zone Eastern <input checked="" type="checkbox"/> Central <input checked="" type="checkbox"/> Mountain <input checked="" type="checkbox"/> Other	
Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards			
<h3>Chain of Custody Signatures</h3>		<h3>Sample Shipping and Delivery Details</h3>	
Relinquished By (Signed) <u>Matt Binner</u> 11/2/12 0950	Received by (signed) <u>to FedEx</u>	GEL PM: <u>Jake Cook</u>	Date Shipped:
Date <u>11/2/12</u>	Date <u>11.5.12/0930</u>	Method of Shipment:	Airbill #:
Date <u>11/2/12</u>	Date <u>11.5.12/0930</u>	Airbill #:	Airbill #:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?

YES

NO

Cooler Temp:

C

*Copy to Joanna Christensen 12-6-12*



<b>GEL Chain of Custody and Analytical Request</b> <b>GEL Work Order Number:</b>		GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178	
Page: <u>3</u> of <u>4</u> Project #: <u>002043, 2159, 06170</u> GEL Quote #: _____ COC Number <sup>(1)</sup> : _____ PO Number: _____		Client Name: <u>Ecology + Environment</u> Phone #: <u>562-997-1200</u> Project/Site Name: <u>Cove T11 + T12 Removal</u> Fax #: _____ Address: <u>3700 Industry Ave</u> Collected by: <u>Matt Diener</u> Send Results To: <u>Mindy Long</u>	
<b>Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)</b>		<b>Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)</b>	
Should this sample be considered: TSCA Regulated _____ Radioactive _____		Total number of containers: <u>1</u> <u>11/15/2012 4:55 PM</u> <u>RA-226 by DOB</u>	
Sample ID * For composites - indicate start and stop date/time		Comments Note: extra sample is required for sample specific QC	
T51-18-103012 T51-19-103012 T51-20-103012 T51-21-103012 T51-22-103012 T51-23-103012 T51-24-103012 T51-25-103012 T51-26-103012 T51-27-103012		Date Collected (mm-dd-yy) <u>10/30/12</u> <u>1155</u> <u>1154</u> <u>1150</u> <u>1148</u> <u>1145</u> <u>1115</u> <u>1118</u> <u>1120</u> <u>1124</u>	
*Time Collected (hh:mm) <u>1207</u> <u>1155</u> <u>1154</u> <u>1150</u> <u>1148</u> <u>1145</u> <u>1115</u> <u>1118</u> <u>1120</u> <u>1124</u>		Field Filtered <sup>(4)</sup> <u>50</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u>	
QC Code <sup>(3)</sup> <u>1207</u> <u>1155</u> <u>1154</u> <u>1150</u> <u>1148</u> <u>1145</u> <u>1115</u> <u>1118</u> <u>1120</u> <u>1124</u>		Sample Matrix <sup>(4)</sup> <u>50</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u> <u>↓</u>	
TAT Requested: Normal: <u>X</u> Rush: _____ Specify: (Subject to Surcharge) Yes / No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4		Sample Collection Time Zone Eastern <u>PM</u> Central <u>PM</u> Other <u>Mountain</u>	
Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards			
<b>Chain of Custody Signatures</b>		<b>Sample Shipping and Delivery Details</b>	
Relinquished By (Signed) Date Time <u>Matt Diener</u> <u>11/2/12</u> <u>0950</u>		GEL PM: <u>Take Cook</u> Method of Shipment: _____ Date Shipped: _____ Airbill #: _____ Airbill #: _____	
1. Chain of Custody Number = Client Determined		For Lab Receiving Use Only	
2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite		Custody Seal Intact? YES NO	
3. Field Filtered: For liquid matrices, indicate with a Y - for yes the sample was field filtered or a N - for sample was not field filtered.		Cooler Temp: _____ C	
4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal		PINK = CLIENT	
5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).		YELLOW = FILE	
6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank		WHITE = LABORATORY	

La copy of Diener Chris 12-6-12



Page: <u>27</u> of <u>47</u> Project #: <u>020321183-00770</u> GEL Quote #: _____ COC Number (1): _____ PO Number: _____	<b>GEL Chain of Custody and Analytical Request</b> **See www.gel.com for GEL's Sample Acceptance SOP**  <b>GEL Work Order Number:</b> _____	GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
--	--	---

[illegible]

TAT Requested: Normal: <input checked="" type="checkbox"/> Rush:	Specify:	(Subject to Surcharge)	Fax Results:	Yes	/	No	Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4
<b>Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards</b>							
<div style="display: flex; justify-content: space-between;"> <div> <b>Chain of Custody Signatures</b> </div> <div> <b>Sample Shipping and Delivery Details</b> </div> </div>							
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	GEL PM:	
1. <i>Walt Allen</i>	11/2/12	0950	to FedEx				
2.			2. <i>Sandra Edwards</i>	11.5.12/		Method of Shipment:	Date Shipped:
3.			3.			Mail #:	
						Airbill #:	

1.) Chain of Custody Number = Client Determined	
2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite	
3.) Field Filtered: For liquid matrices, indicate with a Y - for yes the sample was field filtered or N - for sample was not field filtered	
4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Waste Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Sludge, SD=Sediment, SI=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Filter, N=No	
5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/4700A) and number of containers provided for each (i.e. 8260B - 3, 6010B/4700A - 1)	
6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexene, ST = Sodium Thiosulfate, If no preservative is added = leave field blank	
For Lab Receiving Use Only	
Custody Seal Intact?	
YES	NO
Cooler Temp: C	

**PINK = CLIENT**

**YELLOW = FILE**

**WHITE = LABORATORY**

La copy, Joanne Z Christoper 12-6-12



## SAMPLE RECEIPT &amp; REVIEW FORM

Client: <u>ECOL</u>		SDG/AR/COC/Work Order: <u>314551</u>	
Received By: <u>SE</u>		Date Received: <u>11.5.12</u>	
Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?			Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>
Classified Radioactive II or III by RSO?			If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?			
Package, COC, and/or Samples marked as beryllium or asbestos containing?			If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?			Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?			

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			<input checked="" type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe) *all temperatures are recorded in Celsius
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: <u>601529649</u> Secondary Temperature Device Serial # (If Applicable):
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?			<input checked="" type="checkbox"/>	Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 VOA vials free of headspace (defined as < 6mm bubble)?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
7 Are Encore containers present?			<input checked="" type="checkbox"/>	If yes, immediately deliver to Volatiles laboratory
8 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
10 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>			Sample ID's affected:
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
12 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			
14 Carrier and tracking number.				Circle Applicable: <u>FedEx Air</u> FedEx Ground UPS Field Services Courier Other <u>8717 3337 3168</u> <u>&lt;a copy&gt; Joanna Christensen 12-6-12</u>

Comments (Use Continuation Form if needed):



# Appendix F

## Gamma Activity Scan Data





**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659620.138628	4047621.557019	24,100		-109.216326	36.560701	11/1/2012	162750	1974.19	NMEA 0183	12	2	2
659620.139263	4047621.442353	24,600		-109.216326	36.560700	11/1/2012	162755	1974.21	NMEA 0183	12	2	2
659620.148933	4047621.403689	24,900		-109.216326	36.560699	11/1/2012	162751	1974.18	NMEA 0183	12	2	2
659620.226207	4047621.340385	24,900		-109.216326	36.560699	11/1/2012	162754	1974.21	NMEA 0183	12	2	2
659641.969050	4047667.705687	25,600		-109.216073	36.561113	11/8/2012	093115	1971.22	NMEA 0183	12	2	2
659620.520398	4047621.971024	26,100		-109.216322	36.560705	11/1/2012	162748	1974.14	NMEA 0183	12	2	2
659625.939644	4047803.440806	26,300		-109.216224	36.562339	11/8/2012	095807	1968.08	NMEA 0183	12	2	2
659620.195585	4047621.382359	26,500		-109.216326	36.560699	11/1/2012	162752	1974.17	NMEA 0183	12	2	2
659641.936730	4047665.587238	26,700		-109.216074	36.561094	11/8/2012	093055	1971.18	NMEA 0183	12	2	2
659606.487745	4047828.815990	26,800		-109.216436	36.562571	11/8/2012	100136	1962.33	NMEA 0183	12	2	2
659641.185501	4047667.554276	26,900		-109.216082	36.561112	11/8/2012	093116	1971.07	NMEA 0183	12	2	2
659636.960794	4047681.252089	27,000		-109.216126	36.561236	11/8/2012	114437	1971.34	NMEA 0183	12	2	2
659620.245288	4047621.518305	27,200		-109.216325	36.560701	11/1/2012	162753	1974.15	NMEA 0183	12	2	2
659642.853015	4047663.651008	27,300		-109.216064	36.561076	11/8/2012	093019	1971.19	NMEA 0183	12	2	2
659669.934665	4047765.810269	27,400		-109.215740	36.561992	11/8/2012	095323	1966.17	NMEA 0183	12	2	2
659616.097658	4047656.159287	27,400		-109.216364	36.561013	11/2/2012	105513	1971.22	NMEA 0183	12	2	2
659610.399427	4047653.732279	27,400		-109.216429	36.560992	11/2/2012	105743	1970.54	NMEA 0183	12	2	2
659610.192388	4047652.183981	27,400		-109.216431	36.560978	11/2/2012	105746	1970.67	NMEA 0183	12	2	2
659610.183869	4047651.436565	27,400		-109.216431	36.560972	11/2/2012	105818	1970.71	NMEA 0183	12	2	2
659609.091478	4047661.901964	27,400		-109.216442	36.561066	11/2/2012	105926	1969.36	NMEA 0183	12	2	2
659605.616545	4047684.573399	27,400		-109.216476	36.561271	11/2/2012	110306	1966.93	NMEA 0183	12	2	2
659601.375789	4047662.617087	27,400		-109.216528	36.561074	11/2/2012	110328	1967.88	NMEA 0183	12	2	2
659597.550800	4047646.400554	27,400		-109.216574	36.560929	11/2/2012	110346	1968.80	NMEA 0183	12	2	2
659599.556102	4047664.669740	27,400		-109.216547	36.561093	11/2/2012	110441	1967.17	NMEA 0183	12	2	2
659637.622221	4047668.843962	27,500		-109.216121	36.561124	11/8/2012	093101	1971.32	NMEA 0183	12	2	2
659566.720630	4047696.906843	27,500		-109.216908	36.561389	10/27/2012	114659	1963.11	NMEA 0183	12	2	2
659547.310872	4047597.927359	27,500		-109.217145	36.560500	10/27/2012	114846	1966.17	NMEA 0183	12	2	2
659569.280779	4047692.178525	27,500		-109.216880	36.561346	10/27/2012	115013	1963.45	NMEA 0183	12	2	2
659576.000737	4047698.246068	27,500		-109.216804	36.561399	10/27/2012	115502	1963.45	NMEA 0183	12	2	2
659574.452915	4047685.961589	27,500		-109.216823	36.561289	10/27/2012	115745	1963.61	NMEA 0183	12	2	2
659567.061293	4047640.476672	27,500		-109.216915	36.560880	11/1/2012	161616	1964.02	NMEA 0183	12	2	2
659577.493904	4047684.190531	27,500		-109.216790	36.561272	11/1/2012	161703	1963.02	NMEA 0183	12	2	2
659569.031389	4047636.669635	27,500		-109.216894	36.560846	11/1/2012	161933	1964.08	NMEA 0183	12	2	2
659590.206845	4047704.950016	27,500		-109.216644	36.561457	11/1/2012	162105	1963.67	NMEA 0183	12	2	2
659594.310305	4047719.586563	27,500		-109.216595	36.561588	11/1/2012	162134	1965.13	NMEA 0183	12	2	2
659595.462167	4047716.613345	27,500		-109.216582	36.561562	11/1/2012	162140	1965.05	NMEA 0183	12	2	2
659591.660464	4047699.866395	27,500		-109.216628	36.561411	11/1/2012	162200	1963.80	NMEA 0183	12	2	2
659629.458149	4047667.588262	27,500		-109.216213	36.561114	11/2/2012	104827	1972.27	NMEA 0183	12	2	2
659632.292219	4047691.449530	27,500		-109.216176	36.561329	11/2/2012	104853	1971.79	NMEA 0183	12	2	2
659623.022242	4047665.352871	27,500		-109.216285	36.561095	11/2/2012	105228	1971.69	NMEA 0183	12	2	2
659610.161835	4047652.222257	27,500		-109.216432	36.560979	11/2/2012	105759	1970.71	NMEA 0183	12	2	2
659609.591071	4047648.160938	27,500		-109.216439	36.560942	11/2/2012	105828	1971.10	NMEA 0183	12	2	2
659604.126520	4047640.294750	27,500		-109.216501	36.560872	11/2/2012	105856	1970.91	NMEA 0183	12	2	2
659609.305378	4047662.758620	27,500		-109.216439	36.561074	11/2/2012	105927	1969.36	NMEA 0183	12	2	2
659612.131765	4047684.302124	27,500		-109.216403	36.561268	11/2/2012	105950	1967.93	NMEA 0183	12	2	2
659606.514906	4047662.285140	27,500		-109.216470	36.561070	11/2/2012	110102	1968.89	NMEA 0183	12	2	2
659600.987543	4047660.782433	27,500		-109.216532	36.561058	11/2/2012	110330	1967.92	NMEA 0183	12	2	2
659595.301910	4047651.240067	27,500		-109.216598	36.560972	11/2/2012	110612	1967.95	NMEA 0183	12	2	2
659590.403450	4047642.135875	27,500		-109.216654	36.560891	11/2/2012	110636	1967.78	NMEA 0183	12	2	2
659587.481762	4047639.002023	27,500		-109.216688	36.560864	11/2/2012	110901	1967.73	NMEA 0183	12	2	2
659583.877725	4047640.638709	27,500		-109.216728	36.560879	11/2/2012	110955	1966.31	NMEA 0183	12	2	2
659572.592547	4047616.263760	27,500		-109.216859	36.560661	11/2/2012	111031	1966.62	NMEA 0183	12	2	2
659574.010926	4047624.667123	27,500		-109.216841	36.560737	11/2/2012	111152	1966.52	NMEA 0183	12	2	2
659646.704208	4047639.926715	27,500		-109.216026	36.560862	11/8/2012	092706	1971.44	NMEA 0183	12	2	2
659649.707007	4047651.233847	27,500		-109.215990	36.560963	11/8/2012	092857	1970.86	NMEA 0183	12	2	2
659673.541873	4047675.068627	27,500		-109.215719	36.561174	11/8/2012	093405	1967.68	NMEA 0183	12	2	2
659577.950140	4047711.806856	27,500		-109.216779	36.561521	10/27/2012	115452	1963.65	NMEA 0183	12	2	2
659575.368359	4047688.575473	27,500		-109.216813	36.561312	10/27/2012	115747	1963.68	NMEA 0183	12	2	2
659561.419658	4047624.213524	27,500		-109.216982	36.560735	11/1/2012	161549	1964.24	NMEA 0183	12	2	2
659594.093593	4047719.042446	27,500		-109.216597	36.561584	11/1/2012	162129	1965.07	NMEA 0183	12	2	2
659597.787191	4047715.069470	27,500		-109.216557	36.561547	11/1/2012	162432	1964.97	NMEA 0183	12	2	2
659624.669668	4047633.575009	27,500		-109.216273	36.560808	11/2/2012	104735	1974.90	NMEA 0183	12	2	2
659625.395084	4047639.353824	27,500		-109.216264	36.560860	11/2/2012	104756	1974.11	NMEA 0183	12	2	2
659630.580027	4047675.240729	27,500		-109.216199	36.561183	11/2/2012	104835	1971.87	NMEA 0183	12	2	2
659625.820675	4047688.079639	27,500		-109.216249	36.561299	11/2/2012	105206	1971.00	NMEA 0183	12	2	2
659622.441367	4047696.344073	27,500		-109.216285	36.561374	11/2/2012	105412	1970.47	NMEA 0183	12	2	2
659611.777884	4047661.228582	27,500		-109.216412	36.561060	11/2/2012	105735	1970.00	NMEA 0183	12	2	2
659660.396808	4047755.367725	27,600		-109.215849	36.561900	11/8/2012	095042	1966.82	NMEA 0183	12	2	2
659646.350708	4047672.089266	27,700		-109.216023	36.561152	11/8/2012	093131	1970.29	NMEA 0183	12	2	2
659646.667882	4047669.148658	27,800		-109.216020	36.561125	11/8/2012	093134	1970.58	NMEA 0183	12	2	2
659676.509217	4047768.449647	27,900		-109.215666	36.562015	11/8/2012	095411	1965.43	NMEA 0183	12	2	2
659642.640835	4047669.216367	28,000		-109.216065	36.561127	11/8/2012	093113	1970.86	NMEA 0183	12	2	2
659652.858924	4047702.675601	28,000		-109.215944	36.561426	11/8/2012	094015	1969.94	NMEA 0183	12	2	2
659678.658699	4047768.003078	28,000		-109.215642	36.562011	11/8/2012	095413	1965.09	NMEA 0183	12	2	2
659636.148797	4047674.591233	28,000		-109.216137	36.561176	11/8/2012	114432	1971.60	NMEA 0183	12	2	2
659639.628443	4047684.645747	28,100		-109.216096	36.561266	11/8/2012	093445	1971.20	NMEA 0183	12	2	2
659671.997771	4047765.354697	28,100		-109.215717	36.561988	11/8/2012	095325	1965.78	NMEA 0183	12	2	2
659669.899483	4047770.198837	28,100		-109.215740	36.562032	11/8/2012	095405	1966.02	NMEA 0183	12	2	2
659611.826008	4047827.797825	28,100		-109.216377	36.562561	11/8/2012	100131	1962.83	NMEA 0183	12	2	2
659639.721523	4047666.197217	28,200		-109.216098	36.561100	11/8/201						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659639.256155	4047670.611096	28,200		-109.216103	36.561140	11/8/2012	093122	1971.05	NMEA 0183	12	2	2
659665.277322	4047783.282577	28,200		-109.215789	36.562151	11/8/2012	095537	1965.88	NMEA 0183	12	2	2
659540.079887	4047585.454285	28,200		-109.217228	36.560389	10/27/2012	114832	1966.70	NMEA 0183	12	2	2
659602.912522	4047832.844796	28,200		-109.216475	36.562608	10/27/2012	115234	1962.51	NMEA 0183	12	2	2
659570.873722	4047680.627413	28,200		-109.216865	36.561241	10/27/2012	115515	1963.49	NMEA 0183	12	2	2
659548.210148	4047595.217651	28,200		-109.217135	36.560476	10/27/2012	115621	1966.32	NMEA 0183	12	2	2
659574.137925	4047684.601804	28,200		-109.216827	36.561277	10/27/2012	115744	1963.66	NMEA 0183	12	2	2
659590.352315	4047724.862339	28,200		-109.216638	36.561637	11/1/2012	161758	1964.78	NMEA 0183	12	2	2
659595.007251	4047719.338689	28,200		-109.216587	36.561586	11/1/2012	162135	1965.19	NMEA 0183	12	2	2
659623.006625	4047635.628714	28,200		-109.216292	36.560827	11/2/2012	105026	1974.46	NMEA 0183	12	2	2
659622.319652	4047649.012981	28,200		-109.216296	36.560948	11/2/2012	105048	1973.13	NMEA 0183	12	2	2
659614.198608	4047644.471269	28,200		-109.216388	36.560908	11/2/2012	105525	1972.34	NMEA 0183	12	2	2
659610.139769	4047652.205201	28,200		-109.216432	36.560979	11/2/2012	105752	1970.65	NMEA 0183	12	2	2
659610.170990	4047652.211329	28,200		-109.216431	36.560979	11/2/2012	105802	1970.68	NMEA 0183	12	2	2
659610.129122	4047652.055182	28,200		-109.216432	36.560977	11/2/2012	105817	1970.64	NMEA 0183	12	2	2
659606.771899	4047635.719695	28,200		-109.216473	36.560831	11/2/2012	105844	1971.87	NMEA 0183	12	2	2
659606.528079	4047635.108487	28,200		-109.216476	36.560825	11/2/2012	105845	1971.75	NMEA 0183	12	2	2
659611.863418	4047702.388568	28,200		-109.216402	36.561431	11/2/2012	110011	1968.18	NMEA 0183	12	2	2
659607.315167	4047696.448212	28,200		-109.216454	36.561378	11/2/2012	110255	1966.93	NMEA 0183	12	2	2
659594.806041	4047649.495899	28,200		-109.216604	36.560957	11/2/2012	110614	1968.06	NMEA 0183	12	2	2
659586.942786	4047638.938387	28,200		-109.216694	36.560863	11/2/2012	110902	1967.41	NMEA 0183	12	2	2
659558.005460	4047589.700508	28,200		-109.217027	36.560424	11/2/2012	111108	1967.47	NMEA 0183	12	2	2
659565.103790	4047607.072708	28,200		-109.216944	36.560580	11/2/2012	111131	1966.56	NMEA 0183	12	2	2
659638.902174	4047668.699390	28,300		-109.216107	36.561123	11/8/2012	093120	1971.11	NMEA 0183	12	2	2
659638.611895	4047677.348515	28,300		-109.216109	36.561200	11/8/2012	093306	1971.29	NMEA 0183	12	2	2
659637.849495	4047678.630975	28,300		-109.216117	36.561212	11/8/2012	093308	1971.34	NMEA 0183	12	2	2
659667.197274	4047782.017900	28,300		-109.215768	36.562139	11/8/2012	095534	1965.53	NMEA 0183	12	2	2
659617.457592	4047695.461821	28,400		-109.216341	36.561367	11/2/2012	105646	1969.16	NMEA 0183	12	2	2
659617.469425	4047698.282756	28,400		-109.216340	36.561393	11/2/2012	105649	1969.46	NMEA 0183	12	2	2
659640.178927	4047667.681724	28,400		-109.216093	36.561113	11/8/2012	093117	1971.16	NMEA 0183	12	2	2
659666.072804	4047768.718394	28,400		-109.215783	36.562019	11/8/2012	095348	1966.64	NMEA 0183	12	2	2
659636.815304	4047697.378336	28,400		-109.216124	36.561381	11/8/2012	114306	1970.89	NMEA 0183	12	2	2
659636.007681	4047690.884029	28,400		-109.216135	36.561323	11/8/2012	114311	1971.02	NMEA 0183	12	2	2
659631.465757	4047701.895816	28,500		-109.216183	36.561423	11/2/2012	104905	1971.51	NMEA 0183	12	2	2
659645.695605	4047672.735587	28,500		-109.216030	36.561158	11/8/2012	093130	1970.28	NMEA 0183	12	2	2
659541.029401	4047587.358531	28,500		-109.217217	36.560406	10/27/2012	114834	1966.67	NMEA 0183	12	2	2
659543.895411	4047592.370576	28,500		-109.217184	36.560451	10/27/2012	114839	1966.51	NMEA 0183	12	2	2
659579.448287	4047736.745716	28,500		-109.216757	36.561746	10/27/2012	115047	1964.42	NMEA 0183	12	2	2
659577.153961	4047706.624170	28,500		-109.216789	36.561475	10/27/2012	115456	1963.27	NMEA 0183	12	2	2
659575.364467	4047695.463494	28,500		-109.216811	36.561374	10/27/2012	115504	1963.47	NMEA 0183	12	2	2
659573.594255	4047688.814471	28,500		-109.216832	36.561315	10/27/2012	115509	1963.44	NMEA 0183	12	2	2
659577.861340	4047686.021100	28,500		-109.216785	36.561289	11/1/2012	161705	1963.04	NMEA 0183	12	2	2
659588.994494	4047699.519156	28,500		-109.216658	36.561409	11/1/2012	162100	1963.64	NMEA 0183	12	2	2
659591.312902	4047698.975816	28,500		-109.216632	36.561403	11/1/2012	162201	1963.85	NMEA 0183	12	2	2
659616.028669	4047632.206897	28,500		-109.216370	36.560798	11/1/2012	162736	1973.06	NMEA 0183	12	2	2
659624.669599	4047633.578707	28,500		-109.216273	36.560808	11/2/2012	104738	1974.91	NMEA 0183	12	2	2
659625.036456	4047636.485763	28,500		-109.216269	36.560835	11/2/2012	104748	1974.60	NMEA 0183	12	2	2
659632.347277	4047690.653352	28,500		-109.216176	36.561321	11/2/2012	104852	1971.73	NMEA 0183	12	2	2
659620.115538	4047666.238573	28,500		-109.216317	36.561103	11/2/2012	105340	1971.16	NMEA 0183	12	2	2
659617.634408	4047664.211573	28,500		-109.216346	36.561086	11/2/2012	105505	1970.74	NMEA 0183	12	2	2
659616.514001	4047658.168331	28,500		-109.216359	36.561031	11/2/2012	105511	1971.15	NMEA 0183	12	2	2
659610.714275	4047636.919257	28,500		-109.216429	36.560841	11/2/2012	105543	1972.69	NMEA 0183	12	2	2
659611.756629	4047642.746491	28,500		-109.216416	36.560893	11/2/2012	105550	1972.15	NMEA 0183	12	2	2
659604.789531	4047643.566130	28,500		-109.216493	36.560902	11/2/2012	105900	1970.62	NMEA 0183	12	2	2
659612.500525	4047699.333667	28,500		-109.216396	36.561403	11/2/2012	110006	1968.20	NMEA 0183	12	2	2
659610.908607	4047698.921261	28,500		-109.216414	36.561400	11/2/2012	110021	1967.70	NMEA 0183	12	2	2
659646.628947	4047671.086369	28,600		-109.216020	36.561143	11/8/2012	093132	1970.36	NMEA 0183	12	2	2
659687.430872	4047755.220169	28,600		-109.215547	36.561894	11/8/2012	095140	1964.26	NMEA 0183	12	2	2
659666.296085	4047782.095509	28,600		-109.215778	36.562140	11/8/2012	095535	1965.67	NMEA 0183	12	2	2
659610.803799	4047828.045213	28,600		-109.216388	36.562563	11/8/2012	100132	1962.66	NMEA 0183	12	2	2
659654.264109	4047714.358168	28,600		-109.215926	36.561531	11/8/2012	094133	1967.57	NMEA 0183	12	2	2
659671.542807	4047791.640885	28,600		-109.215717	36.562225	11/8/2012	095634	1964.04	NMEA 0183	12	2	2
659642.228131	4047799.470310	28,600		-109.216043	36.562300	11/8/2012	095752	1968.13	NMEA 0183	12	2	2
659631.685487	4047673.402339	28,600		-109.216187	36.561166	11/8/2012	114242	1971.18	NMEA 0183	12	2	2
659630.080252	4047646.682116	28,600		-109.216210	36.560926	11/8/2012	114344	1972.96	NMEA 0183	12	2	2
659687.348161	4047700.420890	28,700		-109.215559	36.561400	11/8/2012	094052	1966.26	NMEA 0183	12	2	2
659676.711865	4047767.419453	28,700		-109.215664	36.562006	11/8/2012	095338	1965.25	NMEA 0183	12	2	2
659671.230111	4047767.885571	28,700		-109.215725	36.562011	11/8/2012	095343	1965.96	NMEA 0183	12	2	2
659628.021408	4047805.517741	28,700		-109.216200	36.562357	11/8/2012	095825	1967.51	NMEA 0183	12	2	2
659597.822367	4047833.599368	28,700		-109.216532	36.562615	10/27/2012	114418	1961.13	NMEA 0183	12	2	2
659574.834728	4047731.993489	28,700		-109.216810	36.561704	10/27/2012	114632	1963.59	NMEA 0183	12	2	2
659577.292895	4047726.810119	28,700		-109.216783	36.561656	10/27/2012	115039	1964.18	NMEA 0183	12	2	2
659574.450892	4047691.541943	28,700		-109.216822	36.561339	10/27/2012	115507	1963.54	NMEA 0183	12	2	2
659572.731463	4047686.016598	28,700		-109.216843	36.561290	10/27/2012	115511	1963.33	NMEA 0183	12	2	2
659584.029499	4047721.036524	28,700		-109.216709	36.561603	10/27/2012	115813	1964.69	NMEA 0183	12	2	2
659562.597382	4047625.156488	28,700		-109.216968	36.560743	11/1/2012	161552	1964.18	NMEA 0183	12	2	2
659599.399560	4047709.713197	28,700		-109.216540	36.561499	11/1/2012	162439	1964.92	NMEA 0183	12	2	2
659598.985034	4047707.284317	28,700		-109.216545	36.561477	11/1/2012	162442	1964.78	NMEA 0183	12	2	2
659617.058701	4047628.160474	28,700		-109.216360	36.560761	11/1/2012	162741	1973.86	NMEA 0183	12	2	2
659625.820543	4047642.158386	28,700		-109.216259	36.560886							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659627.069453	4047650.443939	28,700		-109.216243	36.560960	11/2/2012	104808	1973.38	NMEA 0183	12	2	2
659632.432386	4047693.063175	28,700		-109.216174	36.561343	11/2/2012	104855	1971.67	NMEA 0183	12	2	2
659632.735380	4047694.666893	28,700		-109.216171	36.561358	11/2/2012	104857	1971.69	NMEA 0183	12	2	2
659627.975403	4047696.037962	28,700		-109.216224	36.561371	11/2/2012	105136	1971.61	NMEA 0183	12	2	2
659616.790650	4047644.380627	28,700		-109.216359	36.560907	11/2/2012	105318	1972.55	NMEA 0183	12	2	2
659617.133412	4047645.208229	28,700		-109.216355	36.560914	11/2/2012	105319	1972.42	NMEA 0183	12	2	2
659620.241310	4047667.180528	28,700		-109.216316	36.561112	11/2/2012	105341	1971.08	NMEA 0183	12	2	2
659620.942082	4047673.885559	28,700		-109.216307	36.561172	11/2/2012	105348	1970.91	NMEA 0183	12	2	2
659615.085234	4047668.346344	28,700		-109.216373	36.561123	11/2/2012	105618	1969.82	NMEA 0183	12	2	2
659608.572100	4047657.564151	28,700		-109.216448	36.561027	11/2/2012	105921	1969.57	NMEA 0183	12	2	2
659611.596262	4047678.661858	28,700		-109.216410	36.561217	11/2/2012	105944	1968.28	NMEA 0183	12	2	2
659607.903847	4047686.350797	28,700		-109.216450	36.561287	11/2/2012	110232	1967.23	NMEA 0183	12	2	2
659608.154363	4047688.451096	28,700		-109.216446	36.561306	11/2/2012	110234	1967.22	NMEA 0183	12	2	2
659608.280324	4047689.463341	28,700		-109.216445	36.561315	11/2/2012	110235	1967.23	NMEA 0183	12	2	2
659599.242914	4047663.776100	28,700		-109.216551	36.561085	11/2/2012	110440	1967.23	NMEA 0183	12	2	2
659595.354356	4047652.032690	28,700		-109.216597	36.560980	11/2/2012	110611	1967.89	NMEA 0183	12	2	2
659599.021680	4047704.745428	28,700		-109.216545	36.561454	11/2/2012	110751	1965.49	NMEA 0183	12	2	2
659584.520924	4047643.369622	28,700		-109.216720	36.560903	11/2/2012	110952	1966.44	NMEA 0183	12	2	2
659570.585215	4047612.181354	28,700		-109.216882	36.560625	11/2/2012	111037	1966.73	NMEA 0183	12	2	2
659565.999849	4047605.663245	28,700		-109.216934	36.560567	11/2/2012	111046	1966.64	NMEA 0183	12	2	2
659552.315756	4047591.317031	28,700		-109.217090	36.560440	11/2/2012	111355	1966.51	NMEA 0183	12	2	2
659633.498508	4047640.260658	28,700		-109.216173	36.560867	11/8/2012	092643	1972.55	NMEA 0183	12	2	2
659651.779182	4047663.801821	28,700		-109.215964	36.561076	11/8/2012	093046	1970.06	NMEA 0183	12	2	2
659651.689738	4047665.566577	28,700		-109.215965	36.561092	11/8/2012	093141	1969.85	NMEA 0183	12	2	2
659637.708547	4047671.107685	28,800		-109.216120	36.561144	11/8/2012	093103	1971.15	NMEA 0183	12	2	2
659637.809782	4047672.165713	28,800		-109.216119	36.561154	11/8/2012	093104	1971.09	NMEA 0183	12	2	2
659640.651216	4047673.350414	28,800		-109.216087	36.561164	11/8/2012	093107	1970.78	NMEA 0183	12	2	2
659639.340033	4047667.778989	28,800		-109.216102	36.561114	11/8/2012	093118	1971.21	NMEA 0183	12	2	2
659646.667255	4047668.297807	28,800		-109.216020	36.561118	11/8/2012	093135	1970.56	NMEA 0183	12	2	2
659639.138670	4047680.804186	28,800		-109.216102	36.561232	11/8/2012	093311	1971.17	NMEA 0183	12	2	2
659659.779282	4047747.073533	28,800		-109.215858	36.561825	11/8/2012	094923	1967.24	NMEA 0183	12	2	2
659675.391776	4047768.682313	28,800		-109.215679	36.562017	11/8/2012	095410	1965.50	NMEA 0183	12	2	2
659607.564079	4047828.626945	28,800		-109.216424	36.562569	11/8/2012	100135	1962.37	NMEA 0183	12	2	2
659638.408119	4047694.605667	28,800		-109.216107	36.561356	11/8/2012	114447	1971.04	NMEA 0183	12	2	2
659611.892711	4047680.457818	28,800		-109.216406	36.561233	11/2/2012	105946	1968.14	NMEA 0183	12	2	2
659601.993330	4047641.953162	28,800		-109.216525	36.560888	11/2/2012	110125	1970.46	NMEA 0183	12	2	2
659605.656625	4047671.230772	28,800		-109.216478	36.561151	11/2/2012	110217	1967.80	NMEA 0183	12	2	2
659607.749009	4047682.149220	28,800		-109.216452	36.561249	11/2/2012	110228	1967.27	NMEA 0183	12	2	2
659598.787586	4047703.207727	28,800		-109.216548	36.561440	11/2/2012	110753	1965.60	NMEA 0183	12	2	2
659556.720892	4047592.266197	28,800		-109.217041	36.560448	11/2/2012	111113	1967.07	NMEA 0183	12	2	2
659559.726643	4047597.869028	28,800		-109.217006	36.560498	11/2/2012	111120	1967.14	NMEA 0183	12	2	2
659572.573110	4047622.300654	28,800		-109.216858	36.560716	11/2/2012	111149	1966.57	NMEA 0183	12	2	2
659580.304174	4047636.125879	28,800		-109.216768	36.560839	11/2/2012	111212	1966.15	NMEA 0183	12	2	2
659585.089038	4047652.482281	28,800		-109.216712	36.560985	11/2/2012	111236	1966.38	NMEA 0183	12	2	2
659571.309786	4047626.536967	28,800		-109.216871	36.560754	11/2/2012	111446	1966.41	NMEA 0183	12	2	2
659647.712671	4047695.753060	28,800		-109.216003	36.561365	11/8/2012	094001	1970.60	NMEA 0183	12	2	2
659627.374017	4047824.971448	28,800		-109.216204	36.562533	11/8/2012	100117	1963.64	NMEA 0183	12	2	2
659547.371704	4047598.026518	28,800		-109.217144	36.560501	10/27/2012	114856	1966.22	NMEA 0183	12	2	2
659566.057162	4047675.072380	28,800		-109.216919	36.561192	10/27/2012	114959	1963.51	NMEA 0183	12	2	2
659631.671045	4047702.894736	28,900		-109.216181	36.561432	11/2/2012	104906	1971.54	NMEA 0183	12	2	2
659639.517958	4047673.309043	28,900		-109.216099	36.561164	11/8/2012	093106	1970.94	NMEA 0183	12	2	2
659656.879326	4047664.042573	28,900		-109.215907	36.561078	11/8/2012	093146	1969.46	NMEA 0183	12	2	2
659682.383404	4047736.143534	28,900		-109.215607	36.561723	11/8/2012	094739	1965.30	NMEA 0183	12	2	2
659663.869047	4047768.712644	28,900		-109.215808	36.562020	11/8/2012	095350	1966.80	NMEA 0183	12	2	2
659670.322716	4047772.237607	28,900		-109.215735	36.562050	11/8/2012	095428	1965.78	NMEA 0183	12	2	2
659677.112229	4047785.485021	28,900		-109.215656	36.562168	11/8/2012	095600	1964.03	NMEA 0183	12	2	2
659610.097290	4047825.832873	28,900		-109.216396	36.562543	11/8/2012	100054	1963.10	NMEA 0183	12	2	2
659628.669616	4047652.423154	28,900		-109.216225	36.560978	11/8/2012	114226	1972.32	NMEA 0183	12	2	2
659629.245997	4047656.181237	28,900		-109.216218	36.561011	11/8/2012	114229	1972.15	NMEA 0183	12	2	2
659629.654499	4047658.693241	28,900		-109.216212	36.561034	11/8/2012	114231	1972.00	NMEA 0183	12	2	2
659633.011048	4047685.679011	28,900		-109.216169	36.561276	11/8/2012	114251	1970.95	NMEA 0183	12	2	2
659567.688643	4047700.709176	28,900		-109.216896	36.561423	10/27/2012	114656	1963.19	NMEA 0183	12	2	2
659541.932713	4047593.847199	28,900		-109.217206	36.560464	10/27/2012	114819	1966.17	NMEA 0183	12	2	2
659541.560296	4047592.767498	28,900		-109.217210	36.560455	10/27/2012	114820	1966.34	NMEA 0183	12	2	2
659576.961244	4047722.969645	28,900		-109.216788	36.561622	10/27/2012	115036	1964.08	NMEA 0183	12	2	2
659579.491471	4047740.773203	28,900		-109.216756	36.561782	10/27/2012	115051	1963.99	NMEA 0183	12	2	2
659577.316547	4047707.914541	28,900		-109.216787	36.561486	10/27/2012	115455	1963.33	NMEA 0183	12	2	2
659552.281256	4047595.189556	28,900		-109.217090	36.560475	10/27/2012	115630	1966.78	NMEA 0183	12	2	2
659575.834928	4047689.888128	28,900		-109.216807	36.561324	10/27/2012	115748	1963.75	NMEA 0183	12	2	2
659582.899555	4047707.783177	28,900		-109.216725	36.561484	11/1/2012	161727	1963.20	NMEA 0183	12	2	2
659583.286602	4047709.682547	28,900		-109.216720	36.561501	11/1/2012	161729	1963.29	NMEA 0183	12	2	2
659586.989897	4047708.726524	28,900		-109.216679	36.561492	11/1/2012	161818	1963.63	NMEA 0183	12	2	2
659594.077751	4047719.092093	28,900		-109.216597	36.561584	11/1/2012	162127	1965.09	NMEA 0183	12	2	2
659614.022891	4047643.567230	28,900		-109.216390	36.560900	11/2/2012	105526	1972.46	NMEA 0183	12	2	2
659613.692683	4047641.741050	28,900		-109.216394	36.560884	11/2/2012	105528	1972.64	NMEA 0183	12	2	2
659613.098022	4047669.857638	28,900		-109.216395	36.561137	11/2/2012	105726	1969.23	NMEA 0183	12	2	2
659610.499122	4047654.551673	28,900		-109.216427	36.561000	11/2/2012	105742	1970.41	NMEA 0183	12	2	2
659610.148616	4047652.210914	28,900		-109.216432	36.560979	11/2/2012	105751	1970.64	NMEA 0183	12	2	2
659610.159195	4047652.203711	28,900		-109.216432	36.560979	11/2/2012	105805	1970.69	NMEA 0183	12	2	2
659609.631173	4047648.170930	28,900		-109.216438	36.560942	11/2/						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659609.490340	4047680.298577	28,900		-109.216433	36.561232	11/2/2012	110040	1967.89	NMEA 0183	12	2	2
659604.103359	4047650.794780	28,900		-109.216500	36.560967	11/2/2012	110115	1969.64	NMEA 0183	12	2	2
659602.649108	4047644.649166	28,900		-109.216517	36.560912	11/2/2012	110122	1970.22	NMEA 0183	12	2	2
659603.557221	4047671.872502	28,900		-109.216501	36.561157	11/2/2012	110318	1967.10	NMEA 0183	12	2	2
659594.369289	4047647.943342	28,900		-109.216609	36.560943	11/2/2012	110616	1968.08	NMEA 0183	12	2	2
659552.016632	4047594.010122	28,900		-109.217093	36.560464	11/2/2012	111359	1966.10	NMEA 0183	12	2	2
659637.788249	4047659.894737	29,000		-109.216121	36.561043	11/8/2012	092928	1971.73	NMEA 0183	12	2	2
659644.079963	4047664.835351	29,000		-109.216050	36.561087	11/8/2012	093053	1971.01	NMEA 0183	12	2	2
659638.945128	4047667.912236	29,000		-109.216107	36.561115	11/8/2012	093119	1971.16	NMEA 0183	12	2	2
659675.755851	4047734.831218	29,000		-109.215682	36.561712	11/8/2012	094711	1965.82	NMEA 0183	12	2	2
659636.761700	4047698.659148	29,000		-109.216125	36.561393	11/8/2012	114305	1970.87	NMEA 0183	12	2	2
659617.174424	4047688.525931	29,100		-109.216346	36.561305	11/2/2012	105639	1969.11	NMEA 0183	12	2	2
659643.339666	4047682.861251	29,100		-109.216055	36.561249	11/8/2012	093450	1970.73	NMEA 0183	12	2	2
659654.653032	4047702.886456	29,100		-109.215924	36.561428	11/8/2012	093946	1969.47	NMEA 0183	12	2	2
659667.991571	4047708.335172	29,100		-109.215774	36.561475	11/8/2012	094115	1967.45	NMEA 0183	12	2	2
659661.571082	4047712.749528	29,100		-109.215845	36.561516	11/8/2012	094234	1967.69	NMEA 0183	12	2	2
659675.637031	4047767.527133	29,100		-109.215676	36.562007	11/8/2012	095339	1965.42	NMEA 0183	12	2	2
659642.053267	4047805.678191	29,100		-109.216044	36.562356	11/8/2012	095935	1966.58	NMEA 0183	12	2	2
659617.086020	4047685.971775	29,200		-109.216347	36.561282	11/2/2012	105636	1969.13	NMEA 0183	12	2	2
659647.046391	4047659.202715	29,200		-109.216018	36.561036	11/8/2012	092959	1970.78	NMEA 0183	12	2	2
659643.006658	4047665.181669	29,200		-109.216062	36.561090	11/8/2012	093054	1971.05	NMEA 0183	12	2	2
659642.586267	4047673.042280	29,200		-109.216065	36.561161	11/8/2012	093109	1970.69	NMEA 0183	12	2	2
659684.757565	4047686.524481	29,200		-109.215591	36.561275	11/8/2012	093719	1965.98	NMEA 0183	12	2	2
659680.775380	4047687.632508	29,200		-109.215635	36.561286	11/8/2012	093723	1966.38	NMEA 0183	12	2	2
659685.956211	4047687.946911	29,200		-109.215578	36.561288	11/8/2012	093816	1966.16	NMEA 0183	12	2	2
659669.009562	4047707.913846	29,200		-109.215763	36.561471	11/8/2012	094114	1967.81	NMEA 0183	12	2	2
659659.793381	4047754.757241	29,200		-109.215856	36.561894	11/8/2012	095041	1966.91	NMEA 0183	12	2	2
659620.313327	4047805.025161	29,200		-109.216287	36.562354	11/8/2012	095812	1968.03	NMEA 0183	12	2	2
659631.986451	4047807.180151	29,200		-109.216156	36.562371	11/8/2012	095855	1966.73	NMEA 0183	12	2	2
659636.825654	4047807.084967	29,200		-109.216102	36.562370	11/8/2012	095930	1966.44	NMEA 0183	12	2	2
659639.969222	4047805.976161	29,200		-109.216067	36.562359	11/8/2012	095933	1966.44	NMEA 0183	12	2	2
659643.171537	4047807.974008	29,200		-109.216031	36.562377	11/8/2012	095943	1966.09	NMEA 0183	12	2	2
659612.920550	4047827.592472	29,200		-109.216364	36.562559	11/8/2012	100130	1962.90	NMEA 0183	12	2	2
659661.617023	4047684.781822	29,300		-109.215850	36.561264	11/8/2012	093528	1969.28	NMEA 0183	12	2	2
659664.955120	4047704.553633	29,300		-109.215809	36.561441	11/8/2012	094033	1968.68	NMEA 0183	12	2	2
659662.651359	4047709.212696	29,300		-109.215833	36.561484	11/8/2012	094120	1967.88	NMEA 0183	12	2	2
659664.499398	4047754.604110	29,300		-109.215803	36.561892	11/8/2012	095046	1966.41	NMEA 0183	12	2	2
659673.024892	4047765.164747	29,300		-109.215706	36.561986	11/8/2012	095326	1965.72	NMEA 0183	12	2	2
659673.408488	4047774.083481	29,300		-109.215700	36.562066	11/8/2012	095443	1965.60	NMEA 0183	12	2	2
659637.247999	4047651.052637	29,400		-109.216129	36.560964	11/8/2012	092838	1971.98	NMEA 0183	12	2	2
659638.736479	4047659.775455	29,400		-109.216111	36.561042	11/8/2012	092929	1971.60	NMEA 0183	12	2	2
659641.745315	4047673.250485	29,400		-109.216074	36.561163	11/8/2012	093108	1970.73	NMEA 0183	12	2	2
659641.663188	4047684.674249	29,400		-109.216073	36.561266	11/8/2012	093507	1971.06	NMEA 0183	12	2	2
659661.356041	4047700.053239	29,400		-109.215850	36.561401	11/8/2012	093850	1969.37	NMEA 0183	12	2	2
659687.212299	4047730.495534	29,400		-109.215555	36.561671	11/8/2012	094626	1965.14	NMEA 0183	12	2	2
659663.140128	4047761.034167	29,400		-109.215817	36.561950	11/8/2012	095227	1966.29	NMEA 0183	12	2	2
659663.622978	4047767.579791	29,400		-109.215811	36.562009	11/8/2012	095317	1966.29	NMEA 0183	12	2	2
659664.647545	4047767.286212	29,400		-109.215799	36.562007	11/8/2012	095318	1966.16	NMEA 0183	12	2	2
659609.235500	4047830.463208	29,400		-109.216405	36.562585	11/8/2012	100145	1962.23	NMEA 0183	12	2	2
659637.068078	4047682.546984	29,400		-109.216125	36.561248	11/8/2012	114438	1971.32	NMEA 0183	12	2	2
659567.978069	4047701.918664	29,400		-109.216892	36.561434	10/27/2012	114655	1963.15	NMEA 0183	12	2	2
659569.549151	4047693.557791	29,400		-109.216877	36.561358	10/27/2012	115014	1963.46	NMEA 0183	12	2	2
659553.148113	4047598.412920	29,400		-109.217080	36.560504	10/27/2012	115633	1966.47	NMEA 0183	12	2	2
659596.735518	4047714.008611	29,400		-109.215659	36.561538	11/1/2012	162429	1964.85	NMEA 0183	12	2	2
659627.019652	4047649.508942	29,400		-109.216244	36.560952	11/2/2012	104807	1973.38	NMEA 0183	12	2	2
659615.645722	4047642.152757	29,400		-109.216372	36.560887	11/2/2012	105315	1972.80	NMEA 0183	12	2	2
659615.794333	4047642.989706	29,400		-109.216371	36.560895	11/2/2012	105316	1972.65	NMEA 0183	12	2	2
659618.732225	4047654.258627	29,400		-109.216335	36.560996	11/2/2012	105328	1971.89	NMEA 0183	12	2	2
659616.056782	4047675.335695	29,400		-109.216361	36.561186	11/2/2012	105625	1969.47	NMEA 0183	12	2	2
659609.683876	4047648.386467	29,400		-109.216438	36.560944	11/2/2012	105822	1971.01	NMEA 0183	12	2	2
659609.629529	4047647.776924	29,400		-109.216438	36.560939	11/2/2012	105830	1971.13	NMEA 0183	12	2	2
659641.690821	4047660.584922	29,400		-109.216078	36.561049	11/8/2012	093004	1971.39	NMEA 0183	12	2	2
659650.618728	4047662.089710	29,400		-109.215978	36.561061	11/8/2012	093026	1970.39	NMEA 0183	12	2	2
659655.049950	4047661.067686	29,400		-109.215928	36.561051	11/8/2012	093030	1969.96	NMEA 0183	12	2	2
659666.823778	4047669.063927	29,400		-109.215795	36.561121	11/8/2012	093239	1969.11	NMEA 0183	12	2	2
659660.965356	4047672.617529	29,400		-109.215860	36.561154	11/8/2012	093246	1969.44	NMEA 0183	12	2	2
659645.100798	4047675.922596	29,400		-109.216036	36.561187	11/8/2012	093300	1970.65	NMEA 0183	12	2	2
659651.080075	4047687.005656	29,400		-109.215967	36.561285	11/8/2012	093519	1969.84	NMEA 0183	12	2	2
659656.852520	4047692.186349	29,400		-109.215902	36.561331	11/8/2012	093745	1968.66	NMEA 0183	12	2	2
659667.778534	4047792.667875	29,400		-109.215759	36.562235	11/8/2012	095645	1964.25	NMEA 0183	12	2	2
659619.654725	4047829.668777	29,400		-109.216289	36.562576	11/8/2012	100155	1963.00	NMEA 0183	12	2	2
659620.712560	4047829.592219	29,400		-109.216277	36.562575	11/8/2012	100156	1963.00	NMEA 0183	12	2	2
659629.789492	4047659.942409	29,400		-109.216211	36.561045	11/8/2012	114232	1971.93	NMEA 0183	12	2	2
659632.773890	4047681.572088	29,400		-109.216173	36.561240	11/8/2012	114248	1970.90	NMEA 0183	12	2	2
659634.549679	4047678.749173	29,400		-109.216154	36.561214	11/8/2012	114320	1971.26	NMEA 0183	12	2	2
659639.536718	4047661.279269	29,500		-109.216102	36.561056	11/8/2012	093006	1971.58	NMEA 0183	12	2	2
659640.609623	4047664.010761	29,500		-109.216089	36.561080	11/8/2012	093017	1971.37	NMEA 0183	12	2	2
659640.791278	4047665.961812	29,500		-109.216087	36.561098	11/8/2012	093056	1971.24	NMEA 0183	12	2	2
659643.085230	4047672.367167	29,500		-109.216060	36.561155	11/8/2012	093110	1970.67	NMEA 0183	12	2	2
659676.803153	4047712.246076	29,500		-109.215675	36.561509	11/8/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659661.445305	4047731.188207	29,500		-109.215842	36.561682	11/8/2012	094553	1967.69	NMEA 0183	12	2	2
659670.747092	4047732.080324	29,500		-109.215738	36.561688	11/8/2012	094606	1966.79	NMEA 0183	12	2	2
659670.186047	4047738.915469	29,500		-109.215743	36.561750	11/8/2012	094750	1966.21	NMEA 0183	12	2	2
659688.353449	4047738.392524	29,500		-109.215540	36.561742	11/8/2012	094854	1964.95	NMEA 0183	12	2	2
659659.609093	4047746.193641	29,500		-109.215860	36.561817	11/8/2012	094922	1967.25	NMEA 0183	12	2	2
659661.435755	4047752.449759	29,500		-109.215838	36.561873	11/8/2012	095037	1966.67	NMEA 0183	12	2	2
659665.656670	4047754.235308	29,500		-109.215791	36.561889	11/8/2012	095047	1966.35	NMEA 0183	12	2	2
659660.618561	4047768.345287	29,500		-109.215844	36.562017	11/8/2012	095314	1966.71	NMEA 0183	12	2	2
659665.329553	4047784.086294	29,500		-109.215788	36.562158	11/8/2012	095538	1965.92	NMEA 0183	12	2	2
659666.955506	4047785.638728	29,500		-109.215770	36.562172	11/8/2012	095541	1965.45	NMEA 0183	12	2	2
659630.255154	4047817.820512	29,500		-109.216173	36.562468	11/8/2012	100029	1964.85	NMEA 0183	12	2	2
659635.191064	4047700.155971	29,500		-109.216142	36.561407	11/8/2012	114303	1970.92	NMEA 0183	12	2	2
659580.750292	4047637.012735	29,500		-109.216763	36.560847	11/2/2012	111214	1966.25	NMEA 0183	12	2	2
659595.802276	4047642.202713	29,500		-109.216594	36.560891	11/2/2012	111535	1969.01	NMEA 0183	12	2	2
659664.983117	4047666.858284	29,500		-109.215816	36.561102	11/8/2012	093236	1969.28	NMEA 0183	12	2	2
659647.323425	4047675.475525	29,500		-109.216012	36.561182	11/8/2012	093258	1970.47	NMEA 0183	12	2	2
659666.024390	4047672.017783	29,500		-109.215803	36.561148	11/8/2012	093336	1968.43	NMEA 0183	12	2	2
659644.619009	4047694.330620	29,500		-109.216038	36.561353	11/8/2012	093633	1970.60	NMEA 0183	12	2	2
659660.176336	4047717.553085	29,500		-109.215859	36.561559	11/8/2012	094249	1966.61	NMEA 0183	12	2	2
659701.671473	4047746.228815	29,500		-109.215390	36.561811	11/8/2012	095118	1962.83	NMEA 0183	12	2	2
659630.009833	4047661.256048	29,500		-109.216208	36.561057	11/8/2012	114233	1971.82	NMEA 0183	12	2	2
659629.115479	4047640.373560	29,500		-109.216222	36.560869	11/8/2012	114349	1973.47	NMEA 0183	12	2	2
659573.361290	4047709.583559	29,500		-109.216831	36.561502	10/27/2012	115026	1963.67	NMEA 0183	12	2	2
659557.608906	4047614.385964	29,500		-109.217026	36.560647	10/27/2012	115647	1965.71	NMEA 0183	12	2	2
659590.474453	4047726.483048	29,500		-109.216636	36.561651	11/1/2012	161756	1964.94	NMEA 0183	12	2	2
659630.992450	4047688.882148	29,500		-109.216191	36.561306	11/2/2012	104928	1971.53	NMEA 0183	12	2	2
659626.818323	4047694.867864	29,500		-109.216237	36.561360	11/2/2012	105159	1971.21	NMEA 0183	12	2	2
659622.553082	4047662.249704	29,500		-109.216291	36.561067	11/2/2012	105231	1971.76	NMEA 0183	12	2	2
659622.067055	4047658.286138	29,500		-109.216297	36.561031	11/2/2012	105235	1972.07	NMEA 0183	12	2	2
659620.330626	4047669.122467	29,500		-109.216314	36.561129	11/2/2012	105343	1970.98	NMEA 0183	12	2	2
659621.016504	4047674.780321	29,500		-109.216306	36.561180	11/2/2012	105349	1970.84	NMEA 0183	12	2	2
659615.168088	4047634.921016	29,600		-109.216379	36.560822	11/1/2012	162733	1972.50	NMEA 0183	12	2	2
659637.647871	4047654.110128	29,600		-109.216124	36.560991	11/8/2012	092846	1971.81	NMEA 0183	12	2	2
659640.569850	4047656.583679	29,600		-109.216091	36.561013	11/8/2012	092919	1971.37	NMEA 0183	12	2	2
659639.389195	4047671.482900	29,600		-109.216101	36.561148	11/8/2012	093123	1970.97	NMEA 0183	12	2	2
659643.607483	4047683.787346	29,600		-109.216051	36.561258	11/8/2012	093505	1970.88	NMEA 0183	12	2	2
659675.950500	4047690.088091	29,600		-109.215689	36.561309	11/8/2012	093807	1966.97	NMEA 0183	12	2	2
659682.672070	4047696.065118	29,600		-109.215613	36.561362	11/8/2012	093910	1966.60	NMEA 0183	12	2	2
659666.133828	4047704.316554	29,600		-109.215796	36.561439	11/8/2012	094034	1968.59	NMEA 0183	12	2	2
659661.380979	4047740.766351	29,600		-109.215841	36.561768	11/8/2012	094758	1966.94	NMEA 0183	12	2	2
659660.128070	4047747.897550	29,600		-109.215854	36.561833	11/8/2012	094924	1967.18	NMEA 0183	12	2	2
659670.539262	4047746.818181	29,600		-109.215738	36.561821	11/8/2012	094934	1965.44	NMEA 0183	12	2	2
659667.691878	4047757.293553	29,600		-109.215767	36.561916	11/8/2012	095215	1966.02	NMEA 0183	12	2	2
659669.156671	4047772.436077	29,600		-109.215748	36.562052	11/8/2012	095429	1965.85	NMEA 0183	12	2	2
659636.569811	4047677.232945	29,600		-109.216131	36.561200	11/8/2012	114434	1971.40	NMEA 0183	12	2	2
659638.343595	4047693.257925	29,600		-109.216108	36.561344	11/8/2012	114446	1971.05	NMEA 0183	12	2	2
659589.269928	4047700.517526	29,700		-109.216655	36.561418	11/1/2012	162101	1963.59	NMEA 0183	12	2	2
659598.085494	4047704.215711	29,700		-109.216556	36.561449	11/1/2012	162446	1964.56	NMEA 0183	12	2	2
659616.659385	4047629.094539	29,700		-109.216364	36.560769	11/1/2012	162740	1973.74	NMEA 0183	12	2	2
659631.032598	4047689.774424	29,700		-109.216191	36.561314	11/2/2012	104927	1971.51	NMEA 0183	12	2	2
659624.020339	4047672.760737	29,700		-109.216273	36.561162	11/2/2012	105221	1971.40	NMEA 0183	12	2	2
659623.347268	4047667.458253	29,700		-109.216281	36.561114	11/2/2012	105226	1971.57	NMEA 0183	12	2	2
659623.140058	4047666.401958	29,700		-109.216284	36.561104	11/2/2012	105227	1971.67	NMEA 0183	12	2	2
659568.970195	4047690.822522	29,700		-109.216884	36.561334	10/27/2012	115012	1963.52	NMEA 0183	12	2	2
659580.336804	4047723.674076	29,700		-109.216750	36.561628	10/27/2012	115443	1964.00	NMEA 0183	12	2	2
659575.632804	4047696.844610	29,700		-109.216808	36.561387	10/27/2012	115503	1963.38	NMEA 0183	12	2	2
659573.958434	4047690.177017	29,700		-109.216828	36.561327	10/27/2012	115508	1963.37	NMEA 0183	12	2	2
659551.988050	4047594.022540	29,700		-109.217093	36.560464	10/27/2012	115629	1966.76	NMEA 0183	12	2	2
659578.342893	4047687.974012	29,700		-109.216780	36.561306	11/1/2012	161707	1963.05	NMEA 0183	12	2	2
659590.489696	4047725.741621	29,700		-109.216636	36.561645	11/1/2012	161757	1964.90	NMEA 0183	12	2	2
659568.192224	4047627.688825	29,700		-109.216905	36.560765	11/1/2012	161945	1964.55	NMEA 0183	12	2	2
659599.367055	4047708.891350	29,700		-109.216540	36.561491	11/1/2012	162440	1964.87	NMEA 0183	12	2	2
659623.347073	4047639.637671	29,700		-109.216287	36.560863	11/2/2012	105021	1973.91	NMEA 0183	12	2	2
659628.097449	4047697.582834	29,700		-109.216222	36.561385	11/2/2012	105138	1971.57	NMEA 0183	12	2	2
659627.205622	4047699.005317	29,700		-109.216231	36.561398	11/2/2012	105154	1971.28	NMEA 0183	12	2	2
659620.765749	4047649.446568	29,700		-109.216314	36.560952	11/2/2012	105244	1972.70	NMEA 0183	12	2	2
659618.836959	4047655.288975	29,700		-109.216334	36.561005	11/2/2012	105329	1971.84	NMEA 0183	12	2	2
659619.356955	4047675.922213	29,700		-109.216324	36.561191	11/2/2012	105453	1970.32	NMEA 0183	12	2	2
659622.736289	4047663.312952	29,700		-109.216289	36.561077	11/2/2012	105230	1971.78	NMEA 0183	12	2	2
659620.632114	4047670.968461	29,700		-109.216311	36.561146	11/2/2012	105345	1970.94	NMEA 0183	12	2	2
659613.968289	4047658.657507	29,700		-109.216388	36.561036	11/2/2012	105608	1970.64	NMEA 0183	12	2	2
659609.594020	4047648.162842	29,700		-109.216439	36.560942	11/2/2012	105825	1971.10	NMEA 0183	12	2	2
659605.215152	4047635.180316	29,700		-109.216490	36.560826	11/2/2012	105847	1971.57	NMEA 0183	12	2	2
659603.904120	4047637.965616	29,700		-109.216504	36.560851	11/2/2012	105853	1971.14	NMEA 0183	12	2	2
659604.322780	4047651.836503	29,700		-109.216497	36.560976	11/2/2012	110114	1969.53	NMEA 0183	12	2	2
659602.509875	4047643.708812	29,700		-109.216519	36.560903	11/2/2012	110123	1970.37	NMEA 0183	12	2	2
659599.313400	4047635.760770	29,700		-109.216556	36.560832	11/2/2012	110134	1970.58	NMEA 0183	12	2	2
659607.407609	4047697.417293	29,700		-109.216453	36.561387	11/2/2012	110254	1966.88	NMEA 0183	12	2	2
659595.130803	4047650.328716	29,700		-109.216600	36.560964	11/2/2012	110613	1968.01	NMEA 0183	12	2	2
659597.889351	4047692.908866	29,700		-109.216560	36.561348	11/2/201						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659587.975370	4047640.546386	29,700		-109.216682	36.560877	11/2/2012	110857	1967.56	NMEA 0183	12	2	2
659582.111258	4047640.465375	29,700		-109.216747	36.560878	11/2/2012	111218	1966.35	NMEA 0183	12	2	2
659554.028283	4047593.192885	29,700		-109.217071	36.560456	11/2/2012	111351	1966.55	NMEA 0183	12	2	2
659553.431057	4047591.683596	29,700		-109.217078	36.560443	11/2/2012	111353	1966.63	NMEA 0183	12	2	2
659633.467104	4047644.688137	29,700		-109.216173	36.560907	11/8/2012	092721	1972.40	NMEA 0183	12	2	2
659650.688321	4047665.978966	29,700		-109.215976	36.561096	11/8/2012	093140	1970.00	NMEA 0183	12	2	2
659617.422692	4047697.423652	29,700		-109.216341	36.561385	11/2/2012	105648	1969.41	NMEA 0183	12	2	2
659641.468739	4047637.569310	29,700		-109.216085	36.560842	11/8/2012	092634	1972.00	NMEA 0183	12	2	2
659653.805456	4047653.028213	29,700		-109.215944	36.560979	11/8/2012	092907	1970.49	NMEA 0183	12	2	2
659646.772734	4047670.092075	29,700		-109.216019	36.561134	11/8/2012	093133	1970.44	NMEA 0183	12	2	2
659660.307049	4047732.783680	29,700		-109.215855	36.561696	11/8/2012	094556	1968.01	NMEA 0183	12	2	2
659676.938604	4047734.375957	29,700		-109.215669	36.561708	11/8/2012	094712	1965.73	NMEA 0183	12	2	2
659677.372244	4047751.774417	29,700		-109.215660	36.561865	11/8/2012	095057	1965.16	NMEA 0183	12	2	2
659660.767376	4047758.877839	29,700		-109.215844	36.561931	11/8/2012	095222	1966.87	NMEA 0183	12	2	2
659672.238123	4047762.775195	29,700		-109.215715	36.561965	11/8/2012	095258	1965.51	NMEA 0183	12	2	2
659679.951047	4047765.581823	29,700		-109.215629	36.561989	11/8/2012	095334	1964.78	NMEA 0183	12	2	2
659666.226804	4047778.994209	29,700		-109.215779	36.562112	11/8/2012	095507	1965.66	NMEA 0183	12	2	2
659625.777231	4047805.921873	29,700		-109.216225	36.562361	11/8/2012	095823	1967.65	NMEA 0183	12	2	2
659645.386984	4047807.188320	29,700		-109.216006	36.562369	11/8/2012	095941	1966.22	NMEA 0183	12	2	2
659631.235813	4047636.432449	29,700		-109.216199	36.560833	11/8/2012	114403	1973.40	NMEA 0183	12	2	2
659636.366600	4047675.880780	29,700		-109.216134	36.561188	11/8/2012	114433	1971.50	NMEA 0183	12	2	2
659589.867018	4047720.134883	29,800		-109.216644	36.561594	11/1/2012	161804	1964.74	NMEA 0183	12	2	2
659613.604775	4047638.596865	29,800		-109.216396	36.560856	11/1/2012	162727	1972.05	NMEA 0183	12	2	2
659620.438475	4047622.687168	29,800		-109.216323	36.560711	11/1/2012	162747	1974.19	NMEA 0183	12	2	2
659612.613371	4047695.904661	29,800		-109.216395	36.561372	11/2/2012	110002	1967.96	NMEA 0183	12	2	2
659649.248812	4047643.921078	29,800		-109.215997	36.560898	11/8/2012	092742	1970.76	NMEA 0183	12	2	2
659636.245862	4047651.342937	29,800		-109.216140	36.560967	11/8/2012	092839	1972.22	NMEA 0183	12	2	2
659636.865308	4047660.018188	29,800		-109.216132	36.561045	11/8/2012	092927	1971.83	NMEA 0183	12	2	2
659639.539319	4047664.275750	29,800		-109.216101	36.561083	11/8/2012	093016	1971.49	NMEA 0183	12	2	2
659641.297945	4047680.313397	29,800		-109.216078	36.561227	11/8/2012	093313	1970.98	NMEA 0183	12	2	2
659641.978478	4047685.695556	29,800		-109.216069	36.561275	11/8/2012	093442	1970.83	NMEA 0183	12	2	2
659642.196381	4047682.797498	29,800		-109.216067	36.561249	11/8/2012	093449	1970.85	NMEA 0183	12	2	2
659645.678481	4047682.826958	29,800		-109.216028	36.561249	11/8/2012	093452	1970.55	NMEA 0183	12	2	2
659642.519813	4047684.103802	29,800		-109.216064	36.561261	11/8/2012	093506	1971.02	NMEA 0183	12	2	2
659683.776812	4047686.707892	29,800		-109.215602	36.561277	11/8/2012	093720	1966.09	NMEA 0183	12	2	2
659686.895183	4047687.683189	29,800		-109.215567	36.561286	11/8/2012	093817	1966.11	NMEA 0183	12	2	2
659663.780560	4047704.888821	29,800		-109.215822	36.561444	11/8/2012	094032	1968.77	NMEA 0183	12	2	2
659687.815576	4047705.144323	29,800		-109.215553	36.561443	11/8/2012	094204	1965.44	NMEA 0183	12	2	2
659659.962837	4047731.954199	29,800		-109.215859	36.561689	11/8/2012	094555	1968.07	NMEA 0183	12	2	2
659659.822771	4047739.422337	29,800		-109.215859	36.561756	11/8/2012	094656	1967.41	NMEA 0183	12	2	2
659663.137489	4047740.188560	29,800		-109.215822	36.561763	11/8/2012	094756	1966.51	NMEA 0183	12	2	2
659661.706601	4047748.548323	29,800		-109.215836	36.561838	11/8/2012	094926	1966.97	NMEA 0183	12	2	2
659665.892049	4047751.441155	29,800		-109.215789	36.561864	11/8/2012	095033	1966.24	NMEA 0183	12	2	2
659662.506648	4047752.232874	29,800		-109.215826	36.561871	11/8/2012	095036	1966.58	NMEA 0183	12	2	2
659675.726880	4047755.609653	29,800		-109.215678	36.561899	11/8/2012	095208	1965.11	NMEA 0183	12	2	2
659661.489680	4047758.469521	29,800		-109.215836	36.561928	11/8/2012	095221	1966.85	NMEA 0183	12	2	2
659660.378704	4047769.933385	29,800		-109.215846	36.562031	11/8/2012	095354	1967.17	NMEA 0183	12	2	2
659667.761832	4047770.651176	29,800		-109.215764	36.562036	11/8/2012	095403	1966.09	NMEA 0183	12	2	2
659671.552969	4047772.036628	29,800		-109.215721	36.562048	11/8/2012	095427	1965.82	NMEA 0183	12	2	2
659633.546025	4047803.624463	29,800		-109.216139	36.562339	11/8/2012	095830	1967.32	NMEA 0183	12	2	2
659643.940422	4047803.365998	29,800		-109.216023	36.562335	11/8/2012	095843	1967.08	NMEA 0183	12	2	2
659640.392673	4047805.188668	29,800		-109.216062	36.562352	11/8/2012	095847	1966.58	NMEA 0183	12	2	2
659631.070845	4047807.472056	29,800		-109.216166	36.562374	11/8/2012	095856	1966.84	NMEA 0183	12	2	2
659644.329109	4047807.588563	29,800		-109.216018	36.562373	11/8/2012	095942	1966.15	NMEA 0183	12	2	2
659594.368780	4047645.074526	29,800		-109.216609	36.560917	11/2/2012	110418	1967.99	NMEA 0183	12	2	2
659598.699377	4047702.412591	29,800		-109.216549	36.561433	11/2/2012	110754	1965.49	NMEA 0183	12	2	2
659598.274450	4047698.050635	29,800		-109.216555	36.561394	11/2/2012	110759	1965.32	NMEA 0183	12	2	2
659580.060266	4047640.910097	29,800		-109.216770	36.560882	11/2/2012	111249	1966.27	NMEA 0183	12	2	2
659571.850131	4047623.308253	29,800		-109.216865	36.560725	11/2/2012	111312	1966.37	NMEA 0183	12	2	2
659568.570210	4047616.076341	29,800		-109.216904	36.560660	11/2/2012	111321	1966.31	NMEA 0183	12	2	2
659597.607273	4047640.057305	29,800		-109.216574	36.560871	11/2/2012	111540	1969.82	NMEA 0183	12	2	2
659584.540570	4047724.615826	29,800		-109.216703	36.561635	10/27/2012	115816	1964.81	NMEA 0183	12	2	2
659623.806734	4047643.253014	29,900		-109.216281	36.560896	11/2/2012	105017	1973.66	NMEA 0183	12	2	2
659636.132902	4047649.951754	29,900		-109.216142	36.560954	11/8/2012	092803	1971.98	NMEA 0183	12	2	2
659643.554531	4047647.313119	29,900		-109.216060	36.560929	11/8/2012	092811	1971.28	NMEA 0183	12	2	2
659641.694928	4047663.821886	29,900		-109.216077	36.561078	11/8/2012	093018	1971.27	NMEA 0183	12	2	2
659640.549945	4047672.616074	29,900		-109.216088	36.561158	11/8/2012	093125	1970.80	NMEA 0183	12	2	2
659637.955664	4047677.734015	29,900		-109.216116	36.561204	11/8/2012	093307	1971.37	NMEA 0183	12	2	2
659673.032505	4047689.009236	29,900		-109.215722	36.561300	11/8/2012	093730	1966.98	NMEA 0183	12	2	2
659670.237760	4047699.139700	29,900		-109.215751	36.561392	11/8/2012	093859	1968.13	NMEA 0183	12	2	2
659675.976629	4047697.444634	29,900		-109.215687	36.561375	11/8/2012	093904	1967.49	NMEA 0183	12	2	2
659653.533476	4047702.991460	29,900		-109.215937	36.561429	11/8/2012	093947	1969.56	NMEA 0183	12	2	2
659662.519539	4047711.733173	29,900		-109.215834	36.561506	11/8/2012	094141	1967.36	NMEA 0183	12	2	2
659686.584261	4047708.376857	29,900		-109.215566	36.561472	11/8/2012	094210	1965.50	NMEA 0183	12	2	2
659667.477189	4047732.839042	29,900		-109.215775	36.561696	11/8/2012	094603	1967.08	NMEA 0183	12	2	2
659673.490106	4047767.755492	29,900		-109.215700	36.562009	11/8/2012	095341	1965.68	NMEA 0183	12	2	2
659670.169773	4047774.609720	29,900		-109.215736	36.562072	11/8/2012	095440	1965.49	NMEA 0183	12	2	2
659666.919727	4047786.923571	29,900		-109.215770	36.562183	11/8/2012	095611	1965.21	NMEA 0183	12	2	2
659626.901197	4047805.739263	29,900		-109.216213	36.562359	11/8/2012	095824	1967.58	NMEA 0183	12	2	2
659623.529775	4047809.398214	29,900		-109.216250	36.562393	11/8/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659636.059995	4047673.265236	29,900		-109.216138	36.561164	11/8/2012	114431	1971.59	NMEA 0183	12	2	2
659540.540316	4047587.501134	30,000		-109.217223	36.560407	10/27/2012	114825	1966.75	NMEA 0183	12	2	2
659576.627877	4047721.635415	30,000		-109.216792	36.561610	10/27/2012	115035	1964.00	NMEA 0183	12	2	2
659600.669279	4047833.038091	30,000		-109.216500	36.562610	10/27/2012	115230	1962.29	NMEA 0183	12	2	2
659567.366667	4047641.309127	30,000		-109.216912	36.560888	11/1/2012	161617	1963.97	NMEA 0183	12	2	2
659579.449485	4047692.912751	30,000		-109.216766	36.561351	11/1/2012	161712	1963.04	NMEA 0183	12	2	2
659584.333662	4047713.325429	30,000		-109.216707	36.561534	11/1/2012	161733	1963.65	NMEA 0183	12	2	2
659624.626359	4047633.496520	30,000		-109.216274	36.560808	11/2/2012	104644	1975.01	NMEA 0183	12	2	2
659622.440606	4047649.973344	30,000		-109.216295	36.560957	11/2/2012	105049	1973.05	NMEA 0183	12	2	2
659622.874182	4047664.325419	30,000		-109.216287	36.561086	11/2/2012	105229	1971.70	NMEA 0183	12	2	2
659621.971418	4047684.355174	30,000		-109.216293	36.561266	11/2/2012	105359	1970.43	NMEA 0183	12	2	2
659636.412134	4047631.281022	30,000		-109.216143	36.560786	11/8/2012	092535	1972.52	NMEA 0183	12	2	2
659647.463836	4047634.290129	30,000		-109.216019	36.560811	11/8/2012	092622	1971.29	NMEA 0183	12	2	2
659638.752634	4047666.384553	30,000		-109.216109	36.561102	11/8/2012	093058	1971.42	NMEA 0183	12	2	2
659642.988796	4047671.372116	30,000		-109.216061	36.561146	11/8/2012	093111	1970.74	NMEA 0183	12	2	2
659665.104519	4047682.027667	30,000		-109.215812	36.561238	11/8/2012	093420	1968.82	NMEA 0183	12	2	2
659645.815245	4047683.095845	30,000		-109.216027	36.561251	11/8/2012	093503	1970.71	NMEA 0183	12	2	2
659660.450006	4047685.032066	30,000		-109.215863	36.561266	11/8/2012	093527	1969.36	NMEA 0183	12	2	2
659672.081773	4047684.680059	30,000		-109.215733	36.561261	11/8/2012	093601	1967.92	NMEA 0183	12	2	2
659663.749005	4047700.719124	30,000		-109.215823	36.561407	11/8/2012	093853	1969.08	NMEA 0183	12	2	2
659671.387822	4047698.757817	30,000		-109.215738	36.561388	11/8/2012	093900	1967.87	NMEA 0183	12	2	2
659685.733333	4047695.293285	30,000		-109.215579	36.561354	11/8/2012	093913	1966.38	NMEA 0183	12	2	2
659661.835199	4047702.938336	30,000		-109.215844	36.561427	11/8/2012	093940	1969.00	NMEA 0183	12	2	2
659660.566243	4047702.892594	30,000		-109.215858	36.561427	11/8/2012	093941	1969.07	NMEA 0183	12	2	2
659660.461885	4047705.863046	30,000		-109.215859	36.561454	11/8/2012	094029	1969.02	NMEA 0183	12	2	2
659672.429680	4047707.342880	30,000		-109.215725	36.561465	11/8/2012	094111	1967.61	NMEA 0183	12	2	2
659684.234517	4047714.869914	30,000		-109.215591	36.561531	11/8/2012	094417	1966.14	NMEA 0183	12	2	2
659656.124339	4047727.410521	30,000		-109.215903	36.561649	11/8/2012	094452	1967.92	NMEA 0183	12	2	2
659682.461687	4047733.533281	30,000		-109.215607	36.561699	11/8/2012	094717	1965.61	NMEA 0183	12	2	2
659677.250197	4047737.204306	30,000		-109.215665	36.561733	11/8/2012	094743	1965.27	NMEA 0183	12	2	2
659681.140012	4047744.449436	30,000		-109.215620	36.561798	11/8/2012	094943	1964.70	NMEA 0183	12	2	2
659665.984421	4047785.543023	30,000		-109.215780	36.562171	11/8/2012	095540	1965.62	NMEA 0183	12	2	2
659626.969846	4047803.084440	30,000		-109.216213	36.562335	11/8/2012	095806	1968.03	NMEA 0183	12	2	2
659618.188281	4047812.439828	30,000		-109.216309	36.562421	11/8/2012	095911	1966.23	NMEA 0183	12	2	2
659605.167566	4047831.371762	30,000		-109.216450	36.562594	11/8/2012	100141	1961.78	NMEA 0183	12	2	2
659635.799172	4047689.576158	30,000		-109.216137	36.561311	11/8/2012	114312	1971.03	NMEA 0183	12	2	2
659638.671757	4047697.124232	30,000		-109.216104	36.561379	11/8/2012	114449	1970.94	NMEA 0183	12	2	2
659617.184102	4047686.878073	30,100		-109.216346	36.561290	11/2/2012	105637	1969.13	NMEA 0183	12	2	2
659647.660592	4047636.794505	30,100		-109.216016	36.560834	11/8/2012	092628	1971.32	NMEA 0183	12	2	2
659639.483411	4047656.833572	30,100		-109.216103	36.561016	11/8/2012	092920	1971.52	NMEA 0183	12	2	2
659655.144137	4047671.351638	30,100		-109.215925	36.561144	11/8/2012	093225	1970.13	NMEA 0183	12	2	2
659642.724718	4047694.452696	30,100		-109.216059	36.561354	11/8/2012	093631	1970.79	NMEA 0183	12	2	2
659661.535557	4047709.517530	30,100		-109.215846	36.561487	11/8/2012	094121	1967.94	NMEA 0183	12	2	2
659674.153993	4047708.741770	30,100		-109.215705	36.561477	11/8/2012	094152	1966.87	NMEA 0183	12	2	2
659685.590279	4047705.574686	30,100		-109.215578	36.561447	11/8/2012	094202	1965.85	NMEA 0183	12	2	2
659675.897338	4047724.392568	30,100		-109.215682	36.561618	11/8/2012	094513	1965.90	NMEA 0183	12	2	2
659669.759674	4047732.381991	30,100		-109.215749	36.561691	11/8/2012	094605	1966.99	NMEA 0183	12	2	2
659679.670176	4047729.177340	30,100		-109.215639	36.561661	11/8/2012	094614	1965.52	NMEA 0183	12	2	2
659671.823069	4047734.323570	30,100		-109.215726	36.561708	11/8/2012	094641	1966.49	NMEA 0183	12	2	2
659696.909071	4047750.303988	30,100		-109.215442	36.561848	11/8/2012	095128	1963.32	NMEA 0183	12	2	2
659668.157816	4047768.690496	30,100		-109.215760	36.562019	11/8/2012	095346	1966.41	NMEA 0183	12	2	2
659677.205297	4047776.932114	30,100		-109.215657	36.562091	11/8/2012	095456	1964.91	NMEA 0183	12	2	2
659668.318324	4047777.891786	30,100		-109.215756	36.562101	11/8/2012	095504	1965.19	NMEA 0183	12	2	2
659676.299351	4047779.035002	30,100		-109.215667	36.562110	11/8/2012	095518	1964.37	NMEA 0183	12	2	2
659665.541174	4047782.492123	30,100		-109.215786	36.562143	11/8/2012	095536	1965.89	NMEA 0183	12	2	2
659671.271286	4047788.663458	30,100		-109.215721	36.562198	11/8/2012	095622	1964.19	NMEA 0183	12	2	2
659621.585411	4047806.992741	30,100		-109.216272	36.562372	11/8/2012	095819	1967.69	NMEA 0183	12	2	2
659624.576675	4047809.106894	30,100		-109.216238	36.562390	11/8/2012	095902	1966.97	NMEA 0183	12	2	2
659621.047847	4047818.435802	30,100		-109.216276	36.562475	11/8/2012	100013	1964.70	NMEA 0183	12	2	2
659628.823242	4047631.031108	30,100		-109.216228	36.560785	11/8/2012	114357	1974.02	NMEA 0183	12	2	2
659638.806594	4047698.301261	30,100		-109.216102	36.561389	11/8/2012	114450	1970.92	NMEA 0183	12	2	2
659600.355640	4047667.740191	30,100		-109.216538	36.561120	11/2/2012	110444	1966.86	NMEA 0183	12	2	2
659591.405541	4047648.445118	30,100		-109.216642	36.560948	11/2/2012	110643	1967.39	NMEA 0183	12	2	2
659599.137561	4047705.818525	30,100		-109.216544	36.561464	11/2/2012	110750	1965.61	NMEA 0183	12	2	2
659567.081293	4047610.349963	30,100		-109.216921	36.560609	11/2/2012	111135	1966.62	NMEA 0183	12	2	2
659584.150297	4047642.998367	30,100		-109.216724	36.560900	11/2/2012	111519	1966.24	NMEA 0183	12	2	2
659648.472241	4047664.384143	30,100		-109.216001	36.561082	11/8/2012	093049	1970.50	NMEA 0183	12	2	2
659674.953551	4047676.509805	30,100		-109.215703	36.561187	11/8/2012	093407	1967.34	NMEA 0183	12	2	2
659656.477543	4047691.888997	30,100		-109.215906	36.561329	11/8/2012	093645	1968.89	NMEA 0183	12	2	2
659657.739218	4047717.899990	30,100		-109.215887	36.561563	11/8/2012	094247	1966.91	NMEA 0183	12	2	2
659691.400779	4047748.420545	30,100		-109.215504	36.561832	11/8/2012	095109	1963.36	NMEA 0183	12	2	2
659679.311769	4047782.501661	30,100		-109.215632	36.562141	11/8/2012	095554	1963.50	NMEA 0183	12	2	2
659671.098502	4047792.747979	30,100		-109.215722	36.562235	11/8/2012	095648	1964.27	NMEA 0183	12	2	2
659592.575661	4047702.815063	30,100		-109.216618	36.561438	11/1/2012	162157	1963.85	NMEA 0183	12	2	2
659592.977730	4047694.813539	30,100		-109.216615	36.561366	11/1/2012	162409	1963.93	NMEA 0183	12	2	2
659630.650367	4047676.194604	30,100		-109.216198	36.561191	11/2/2012	104836	1971.88	NMEA 0183	12	2	2
659621.523792	4047655.316621	30,100		-109.216304	36.561005	11/2/2012	105238	1972.22	NMEA 0183	12	2	2
659619.152935	4047657.238818	30,100		-109.216330	36.561023	11/2/2012	105331	1971.62	NMEA 0183	12	2	2
659621.519531	4047699.062604	30,100		-109.216295	36.561399	11/2/2012	105428	1970.55	NMEA 0183	12	2	2
659610.147090	4047652.212735	30,100		-109.216432	36.560979	11/2/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659610.172276	4047652.222450	30,100		-109.216431	36.560979	11/2/2012	105803	1970.67	NMEA 0183	12	2	2
659610.137094	4047652.188504	30,100		-109.216432	36.560979	11/2/2012	105816	1970.67	NMEA 0183	12	2	2
659607.598768	4047653.325197	30,100		-109.216460	36.560989	11/2/2012	105915	1970.05	NMEA 0183	12	2	2
659595.500522	4047650.024832	30,100		-109.216596	36.560961	11/2/2012	110425	1967.97	NMEA 0183	12	2	2
659589.809461	4047720.744199	30,200		-109.216645	36.561600	11/1/2012	161803	1964.69	NMEA 0183	12	2	2
659613.096883	4047638.707672	30,200		-109.216402	36.560857	11/1/2012	162725	1972.01	NMEA 0183	12	2	2
659614.542538	4047636.870041	30,200		-109.216386	36.560840	11/1/2012	162731	1972.24	NMEA 0183	12	2	2
659621.235626	4047633.045195	30,200		-109.216312	36.560804	11/2/2012	105030	1974.41	NMEA 0183	12	2	2
659608.937753	4047701.964369	30,200		-109.216435	36.561427	11/2/2012	110248	1967.32	NMEA 0183	12	2	2
659635.678739	4047663.332943	30,200		-109.216144	36.561075	11/8/2012	093011	1971.81	NMEA 0183	12	2	2
659639.734989	4047672.227325	30,200		-109.216097	36.561154	11/8/2012	093124	1970.88	NMEA 0183	12	2	2
659641.079772	4047682.743488	30,200		-109.216080	36.561249	11/8/2012	093448	1971.01	NMEA 0183	12	2	2
659641.230275	4047686.856202	30,200		-109.216077	36.561286	11/8/2012	093509	1970.97	NMEA 0183	12	2	2
659677.185294	4047694.065557	30,200		-109.215674	36.561345	11/8/2012	093832	1967.34	NMEA 0183	12	2	2
659662.777135	4047700.906402	30,200		-109.215834	36.561409	11/8/2012	093852	1969.17	NMEA 0183	12	2	2
659654.920945	4047700.590463	30,200		-109.215922	36.561407	11/8/2012	094012	1969.99	NMEA 0183	12	2	2
659659.278408	4047709.895519	30,200		-109.215871	36.561490	11/8/2012	094123	1968.08	NMEA 0183	12	2	2
659662.990558	4047733.632523	30,200		-109.215825	36.561704	11/8/2012	094559	1967.35	NMEA 0183	12	2	2
659672.944436	4047731.547708	30,200		-109.215714	36.561683	11/8/2012	094608	1966.63	NMEA 0183	12	2	2
659664.076775	4047735.565217	30,200		-109.215812	36.561721	11/8/2012	094648	1966.88	NMEA 0183	12	2	2
659666.055351	4047744.088126	30,200		-109.215788	36.561797	11/8/2012	094914	1965.80	NMEA 0183	12	2	2
659691.789977	4047741.841162	30,200		-109.215501	36.561773	11/8/2012	094953	1964.00	NMEA 0183	12	2	2
659662.585124	4047767.865725	30,200		-109.215822	36.562012	11/8/2012	095316	1966.38	NMEA 0183	12	2	2
659671.584623	4047777.406751	30,200		-109.215720	36.562097	11/8/2012	095501	1964.90	NMEA 0183	12	2	2
659621.432339	4047804.707434	30,200		-109.216274	36.562351	11/8/2012	095811	1968.02	NMEA 0183	12	2	2
659643.076270	4047801.367140	30,200		-109.216033	36.562317	11/8/2012	095839	1967.42	NMEA 0183	12	2	2
659547.364760	4047597.998645	30,200		-109.217144	36.560501	10/27/2012	114853	1966.19	NMEA 0183	12	2	2
659568.196881	4047686.820338	30,200		-109.216893	36.561298	10/27/2012	115009	1963.50	NMEA 0183	12	2	2
659578.648332	4047688.963689	30,200		-109.216776	36.561315	11/1/2012	161708	1963.10	NMEA 0183	12	2	2
659590.307346	4047723.988470	30,200		-109.216638	36.561629	11/1/2012	161759	1964.83	NMEA 0183	12	2	2
659569.292186	4047637.652935	30,200		-109.216891	36.560854	11/1/2012	161932	1963.99	NMEA 0183	12	2	2
659594.164111	4047719.021558	30,200		-109.216596	36.561583	11/1/2012	162123	1965.05	NMEA 0183	12	2	2
659594.085587	4047719.071892	30,200		-109.216597	36.561584	11/1/2012	162132	1965.08	NMEA 0183	12	2	2
659578.239672	4047644.701407	30,200		-109.216790	36.560916	11/1/2012	162303	1964.52	NMEA 0183	12	2	2
659592.872736	4047693.877519	30,200		-109.216616	36.561357	11/1/2012	162408	1963.96	NMEA 0183	12	2	2
659632.618250	4047693.902665	30,200		-109.216172	36.561351	11/2/2012	104856	1971.71	NMEA 0183	12	2	2
659632.355502	4047696.483601	30,200		-109.216174	36.561374	11/2/2012	104859	1971.61	NMEA 0183	12	2	2
659623.149703	4047701.595421	30,200		-109.216276	36.561422	11/2/2012	105418	1971.02	NMEA 0183	12	2	2
659615.040391	4047666.420027	30,200		-109.216374	36.561106	11/2/2012	105616	1970.01	NMEA 0183	12	2	2
659610.159195	4047652.203711	30,200		-109.216432	36.560979	11/2/2012	105806	1970.68	NMEA 0183	12	2	2
659610.146113	4047652.184972	30,200		-109.216432	36.560979	11/2/2012	105813	1970.68	NMEA 0183	12	2	2
659597.971847	4047648.156282	30,200		-109.216569	36.560944	11/2/2012	110344	1968.72	NMEA 0183	12	2	2
659600.809132	4047684.077306	30,200		-109.216529	36.561267	11/2/2012	110537	1966.42	NMEA 0183	12	2	2
659591.222639	4047646.721552	30,200		-109.216644	36.560932	11/2/2012	110641	1967.49	NMEA 0183	12	2	2
659586.844806	4047651.462393	30,200		-109.216692	36.560976	11/2/2012	110943	1966.60	NMEA 0183	12	2	2
659564.867647	4047606.208242	30,200		-109.216947	36.560572	11/2/2012	111130	1966.63	NMEA 0183	12	2	2
659569.276026	4047615.591874	30,200		-109.216896	36.560656	11/2/2012	111141	1966.50	NMEA 0183	12	2	2
659578.877918	4047638.446633	30,200		-109.216784	36.560860	11/2/2012	111252	1966.04	NMEA 0183	12	2	2
659554.554336	4047593.953596	30,200		-109.217065	36.560463	11/2/2012	111350	1966.53	NMEA 0183	12	2	2
659596.574565	4047641.271867	30,200		-109.216586	36.560882	11/2/2012	111537	1969.36	NMEA 0183	12	2	2
659603.869877	4047639.087718	30,200		-109.216505	36.560862	11/2/2012	111548	1971.09	NMEA 0183	12	2	2
659653.045428	4047674.368319	30,200		-109.215948	36.561171	11/8/2012	093253	1970.19	NMEA 0183	12	2	2
659664.954086	4047672.282769	30,200		-109.215815	36.561150	11/8/2012	093335	1968.61	NMEA 0183	12	2	2
659657.491419	4047691.689550	30,200		-109.215895	36.561327	11/8/2012	093646	1968.67	NMEA 0183	12	2	2
659626.824520	4047811.320085	30,200		-109.216212	36.562410	11/8/2012	095920	1966.42	NMEA 0183	12	2	2
659617.263226	4047690.495606	30,300		-109.216344	36.561323	11/2/2012	105641	1969.16	NMEA 0183	12	2	2
659612.715440	4047691.045675	30,300		-109.216395	36.561328	11/2/2012	105957	1967.97	NMEA 0183	12	2	2
659638.792896	4047648.852470	30,300		-109.216112	36.560944	11/8/2012	092806	1971.68	NMEA 0183	12	2	2
659654.824739	4047652.618006	30,300		-109.215933	36.560975	11/8/2012	092906	1970.47	NMEA 0183	12	2	2
659637.498569	4047661.755659	30,300		-109.216124	36.561060	11/8/2012	093008	1971.76	NMEA 0183	12	2	2
659639.557383	4047683.730701	30,300		-109.216097	36.561258	11/8/2012	093446	1971.15	NMEA 0183	12	2	2
659665.275877	4047697.399589	30,300		-109.215807	36.561377	11/8/2012	093844	1968.30	NMEA 0183	12	2	2
659673.584744	4047707.173801	30,300		-109.215712	36.561463	11/8/2012	094110	1967.51	NMEA 0183	12	2	2
659661.884004	4047733.519507	30,300		-109.215837	36.561703	11/8/2012	094558	1967.47	NMEA 0183	12	2	2
659665.224006	4047733.244847	30,300		-109.215800	36.561700	11/8/2012	094601	1967.25	NMEA 0183	12	2	2
659680.874016	4047728.872292	30,300		-109.215626	36.561658	11/8/2012	094615	1965.45	NMEA 0183	12	2	2
659689.484044	4047738.174901	30,300		-109.215528	36.561740	11/8/2012	094853	1964.89	NMEA 0183	12	2	2
659695.673405	4047743.962648	30,300		-109.215457	36.561791	11/8/2012	095004	1963.37	NMEA 0183	12	2	2
659670.078364	4047750.427544	30,300		-109.215742	36.561854	11/8/2012	095029	1965.93	NMEA 0183	12	2	2
659659.668489	4047767.036602	30,300		-109.215855	36.562005	11/8/2012	095312	1966.80	NMEA 0183	12	2	2
659669.736196	4047780.365184	30,300		-109.215740	36.562124	11/8/2012	095512	1964.69	NMEA 0183	12	2	2
659665.158587	4047792.978090	30,300		-109.215788	36.562238	11/8/2012	095641	1964.84	NMEA 0183	12	2	2
659624.802971	4047803.906177	30,300		-109.216237	36.562343	11/8/2012	095808	1968.13	NMEA 0183	12	2	2
659614.172944	4047821.532206	30,300		-109.216352	36.562504	11/8/2012	100043	1964.16	NMEA 0183	12	2	2
659609.373411	4047823.993841	30,300		-109.216405	36.562527	11/8/2012	100050	1963.49	NMEA 0183	12	2	2
659613.261385	4047825.225694	30,300		-109.216361	36.562537	11/8/2012	100057	1963.44	NMEA 0183	12	2	2
659626.212581	4047829.104215	30,300		-109.216216	36.562570	11/8/2012	100201	1963.19	NMEA 0183	12	2	2
659637.193691	4047683.899559	30,300		-109.216123	36.561260	11/8/2012	114439	1971.31	NMEA 0183	12	2	2
659587.258096	4047709.632277	30,400		-109.216675	36.561500	11/1/2012	161817	1963.83	NMEA 0183	12	2	2
659614.862128	4047635.890106	30,400		-109.216382	36.560831	11/1/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659636.610897	4047654.187072	30,400		-109.216136	36.560992	11/8/2012	092845	1972.06	NMEA 0183	12	2	2
659655.613517	4047654.739393	30,400		-109.215923	36.560994	11/8/2012	092945	1970.18	NMEA 0183	12	2	2
659640.189529	4047680.622070	30,400		-109.216090	36.561230	11/8/2012	093312	1971.07	NMEA 0183	12	2	2
659658.752897	4047681.684154	30,400		-109.215883	36.561236	11/8/2012	093427	1970.34	NMEA 0183	12	2	2
659640.833511	4047685.883324	30,400		-109.216082	36.561277	11/8/2012	093443	1970.99	NMEA 0183	12	2	2
659644.669179	4047683.342781	30,400		-109.216040	36.561253	11/8/2012	093504	1970.81	NMEA 0183	12	2	2
659685.117068	4047700.841897	30,400		-109.215584	36.561404	11/8/2012	094050	1966.52	NMEA 0183	12	2	2
659691.902006	4047731.784842	30,400		-109.215502	36.561682	11/8/2012	094727	1964.45	NMEA 0183	12	2	2
659693.050637	4047735.338992	30,400		-109.215488	36.561714	11/8/2012	094836	1964.50	NMEA 0183	12	2	2
659676.172421	4047751.863131	30,400		-109.215674	36.561866	11/8/2012	095056	1965.32	NMEA 0183	12	2	2
659666.940301	4047764.345271	30,400		-109.215774	36.561980	11/8/2012	095303	1965.63	NMEA 0183	12	2	2
659672.297384	4047786.357489	30,400		-109.215710	36.562177	11/8/2012	095605	1964.58	NMEA 0183	12	2	2
659671.371936	4047786.375458	30,400		-109.215720	36.562177	11/8/2012	095606	1964.83	NMEA 0183	12	2	2
659669.898965	4047786.549737	30,400		-109.215736	36.562179	11/8/2012	095608	1964.95	NMEA 0183	12	2	2
659633.022173	4047807.008852	30,400		-109.216144	36.562370	11/8/2012	095854	1966.62	NMEA 0183	12	2	2
659618.750563	4047815.348661	30,400		-109.216302	36.562447	11/8/2012	100008	1965.60	NMEA 0183	12	2	2
659609.133565	4047825.581940	30,400		-109.216407	36.562541	11/8/2012	100053	1963.10	NMEA 0183	12	2	2
659636.495697	4047693.452998	30,400		-109.216129	36.561346	11/8/2012	114309	1970.94	NMEA 0183	12	2	2
659608.719304	4047658.476909	30,400		-109.216446	36.561035	11/2/2012	105922	1969.65	NMEA 0183	12	2	2
659598.624659	4047636.289943	30,400		-109.216564	36.560837	11/2/2012	110136	1970.38	NMEA 0183	12	2	2
659597.726313	4047647.315686	30,400		-109.216571	36.560937	11/2/2012	110345	1968.78	NMEA 0183	12	2	2
659593.721522	4047641.335825	30,400		-109.216617	36.560884	11/2/2012	110413	1968.54	NMEA 0183	12	2	2
659600.161268	4047666.715579	30,400		-109.216540	36.561111	11/2/2012	110443	1966.94	NMEA 0183	12	2	2
659603.104662	4047681.630256	30,400		-109.216504	36.561245	11/2/2012	110457	1966.52	NMEA 0183	12	2	2
659592.931609	4047641.949709	30,400		-109.216626	36.560889	11/2/2012	110623	1968.55	NMEA 0183	12	2	2
659599.436648	4047708.437627	30,400		-109.216540	36.561487	11/2/2012	110747	1965.77	NMEA 0183	12	2	2
659573.750348	4047617.154566	30,400		-109.216846	36.560669	11/2/2012	111029	1966.96	NMEA 0183	12	2	2
659532.775349	4047582.903218	30,400		-109.217310	36.560367	10/27/2012	113542	1965.10	NMEA 0183	12	2	2
659575.105996	4047733.136054	30,400		-109.216806	36.561714	10/27/2012	114631	1963.61	NMEA 0183	12	2	2
659572.796995	4047722.873922	30,400		-109.216834	36.561622	10/27/2012	114639	1963.56	NMEA 0183	12	2	2
659540.800945	4047588.332759	30,400		-109.217220	36.560415	10/27/2012	114824	1966.59	NMEA 0183	12	2	2
659544.446035	4047593.335204	30,400		-109.217178	36.560459	10/27/2012	114840	1966.47	NMEA 0183	12	2	2
659575.123596	4047694.210514	30,400		-109.216814	36.561363	10/27/2012	115505	1963.51	NMEA 0183	12	2	2
659567.670463	4047642.226638	30,400		-109.216908	36.560896	11/1/2012	161618	1963.99	NMEA 0183	12	2	2
659583.480340	4047710.660905	30,400		-109.216717	36.561510	11/1/2012	161730	1963.35	NMEA 0183	12	2	2
659581.099000	4047685.955368	30,400		-109.216749	36.561288	11/1/2012	161841	1963.40	NMEA 0183	12	2	2
659589.442427	4047689.446875	30,400		-109.216655	36.561318	11/1/2012	162211	1964.08	NMEA 0183	12	2	2
659598.206566	4047700.182022	30,400		-109.216555	36.561413	11/1/2012	162451	1964.35	NMEA 0183	12	2	2
659627.521165	4047689.798065	30,400		-109.216230	36.561315	11/2/2012	105129	1971.31	NMEA 0183	12	2	2
659534.159860	4047588.226280	30,400		-109.217294	36.560415	10/27/2012	113537	1965.09	NMEA 0183	12	2	2
659568.014679	4047685.461166	30,400		-109.216895	36.561285	10/27/2012	115008	1963.48	NMEA 0183	12	2	2
659579.464212	4047719.956745	30,400		-109.216760	36.561594	10/27/2012	115446	1963.78	NMEA 0183	12	2	2
659558.400745	4047615.941405	30,400		-109.217017	36.560661	11/1/2012	161539	1964.48	NMEA 0183	12	2	2
659583.141898	4047694.072523	30,400		-109.216725	36.561360	11/1/2012	161833	1963.48	NMEA 0183	12	2	2
659580.310189	4047649.238152	30,400		-109.216766	36.560957	11/1/2012	162311	1964.49	NMEA 0183	12	2	2
659596.387924	4047712.315284	30,400		-109.216573	36.561523	11/1/2012	162427	1964.73	NMEA 0183	12	2	2
659598.016918	4047702.764314	30,400		-109.216557	36.561436	11/1/2012	162448	1964.45	NMEA 0183	12	2	2
659629.157458	4047664.895143	30,400		-109.216217	36.561090	11/2/2012	104824	1972.54	NMEA 0183	12	2	2
659631.259198	4047695.978654	30,400		-109.216187	36.561370	11/2/2012	104919	1971.59	NMEA 0183	12	2	2
659622.531007	4047650.971982	30,400		-109.216294	36.560966	11/2/2012	105050	1972.94	NMEA 0183	12	2	2
659619.505253	4047660.286178	30,400		-109.216326	36.561050	11/2/2012	105334	1971.40	NMEA 0183	12	2	2
659621.420504	4047679.465579	30,400		-109.216300	36.561222	11/2/2012	105354	1970.69	NMEA 0183	12	2	2
659610.156211	4047652.203656	30,400		-109.216432	36.560979	11/2/2012	105754	1970.66	NMEA 0183	12	2	2
659603.950221	4047638.778467	30,400		-109.216504	36.560859	11/2/2012	105854	1971.07	NMEA 0183	12	2	2
659600.063067	4047645.059914	30,400		-109.216546	36.560916	11/2/2012	110146	1969.76	NMEA 0183	12	2	2
659605.938471	4047686.604736	30,400		-109.216472	36.561289	11/2/2012	110304	1967.03	NMEA 0183	12	2	2
659597.206084	4047644.069151	30,400		-109.216578	36.560908	11/2/2012	110349	1969.05	NMEA 0183	12	2	2
659600.633501	4047683.088186	30,400		-109.216532	36.561259	11/2/2012	110538	1966.33	NMEA 0183	12	2	2
659617.474663	4047696.632966	30,500		-109.216341	36.561378	11/2/2012	105647	1969.20	NMEA 0183	12	2	2
659603.970634	4047635.264512	30,500		-109.216504	36.560827	11/2/2012	105849	1971.40	NMEA 0183	12	2	2
659605.460942	4047647.028180	30,500		-109.216485	36.560933	11/2/2012	105904	1970.29	NMEA 0183	12	2	2
659612.588773	4047694.897995	30,500		-109.216396	36.561363	11/2/2012	110001	1967.89	NMEA 0183	12	2	2
659648.708999	4047639.318383	30,500		-109.216004	36.560856	11/8/2012	092704	1971.19	NMEA 0183	12	2	2
659640.809210	4047659.284909	30,500		-109.216088	36.561037	11/8/2012	092931	1971.41	NMEA 0183	12	2	2
659639.621469	4047677.139739	30,500		-109.216097	36.561198	11/8/2012	093305	1971.23	NMEA 0183	12	2	2
659644.508905	4047679.274277	30,500		-109.216042	36.561217	11/8/2012	093316	1970.57	NMEA 0183	12	2	2
659666.348176	4047675.234783	30,500		-109.215799	36.561177	11/8/2012	093343	1968.38	NMEA 0183	12	2	2
659685.888356	4047686.216229	30,500		-109.215579	36.561273	11/8/2012	093718	1965.98	NMEA 0183	12	2	2
659683.722569	4047695.821963	30,500		-109.215601	36.561359	11/8/2012	093911	1966.48	NMEA 0183	12	2	2
659654.651605	4047701.515839	30,500		-109.215924	36.561416	11/8/2012	094013	1969.90	NMEA 0183	12	2	2
659662.654110	4047705.204555	30,500		-109.215834	36.561447	11/8/2012	094031	1968.92	NMEA 0183	12	2	2
659688.824068	4047704.913336	30,500		-109.215542	36.561440	11/8/2012	094205	1965.41	NMEA 0183	12	2	2
659675.089114	4047712.062598	30,500		-109.215694	36.561507	11/8/2012	094221	1966.63	NMEA 0183	12	2	2
659676.200785	4047716.000786	30,500		-109.215681	36.561543	11/8/2012	094330	1966.10	NMEA 0183	12	2	2
659682.002711	4047728.515910	30,500		-109.215613	36.561654	11/8/2012	094616	1965.30	NMEA 0183	12	2	2
659677.105749	4047733.088003	30,500		-109.215667	36.561696	11/8/2012	094636	1966.04	NMEA 0183	12	2	2
659661.378438	4047739.536287	30,500		-109.215841	36.561757	11/8/2012	094658	1966.92	NMEA 0183	12	2	2
659683.572203	4047733.513197	30,500		-109.215595	36.561699	11/8/2012	094718	1965.54	NMEA 0183	12	2	2
659685.787980	4047735.444661	30,500		-109.215570	36.561716	11/8/2012	094736	1965.40	NMEA 0183	12	2	2
659684.751991	4047735.710281	30,500		-109.215581	36.561719	11/8/2						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659673.506816	4047738.229833	30,500		-109.215706	36.561743	11/8/2012	094747	1965.91	NMEA 0183	12	2	2
659659.263000	4047741.605635	30,500		-109.215865	36.561776	11/8/2012	094801	1967.52	NMEA 0183	12	2	2
659687.218773	4047738.669260	30,500		-109.215553	36.561745	11/8/2012	094855	1964.98	NMEA 0183	12	2	2
659662.660875	4047774.344072	30,500		-109.215825	36.561836	11/8/2012	094927	1966.60	NMEA 0183	12	2	2
659693.972799	4047741.206551	30,500		-109.215477	36.561767	11/8/2012	094955	1963.77	NMEA 0183	12	2	2
659678.157114	4047748.396724	30,500		-109.215652	36.561834	11/8/2012	095022	1965.37	NMEA 0183	12	2	2
659673.983022	4047764.993862	30,500		-109.215695	36.561984	11/8/2012	095327	1965.56	NMEA 0183	12	2	2
659678.121394	4047763.990464	30,500		-109.215649	36.561975	11/8/2012	095331	1964.43	NMEA 0183	12	2	2
659662.822057	4047768.767202	30,500		-109.215819	36.562020	11/8/2012	095351	1966.86	NMEA 0183	12	2	2
659673.866407	4047771.680034	30,500		-109.215695	36.562045	11/8/2012	095425	1965.80	NMEA 0183	12	2	2
659638.002772	4047802.429041	30,500		-109.216089	36.562328	11/8/2012	095834	1967.34	NMEA 0183	12	2	2
659638.912001	4047806.180353	30,500		-109.216079	36.562361	11/8/2012	095932	1966.51	NMEA 0183	12	2	2
659644.038698	4047805.065801	30,500		-109.216021	36.562350	11/8/2012	095937	1966.65	NMEA 0183	12	2	2
659632.227000	4047815.286081	30,500		-109.216151	36.562444	11/8/2012	100025	1965.11	NMEA 0183	12	2	2
659629.918483	4047822.053664	30,500		-109.216176	36.562506	11/8/2012	100113	1964.08	NMEA 0183	12	2	2
659620.858878	4047826.289609	30,500		-109.216276	36.562546	11/8/2012	100123	1963.08	NMEA 0183	12	2	2
659610.366989	4047635.209288	30,600		-109.216433	36.560826	11/2/2012	105541	1972.74	NMEA 0183	12	2	2
659616.377847	4047698.970923	30,600		-109.216352	36.561399	11/2/2012	105656	1969.26	NMEA 0183	12	2	2
659616.230455	4047698.148794	30,600		-109.216354	36.561392	11/2/2012	105657	1969.14	NMEA 0183	12	2	2
659603.582397	4047635.601346	30,600		-109.216508	36.560830	11/2/2012	105850	1971.32	NMEA 0183	12	2	2
659612.548645	4047696.739502	30,600		-109.216396	36.561380	11/2/2012	110003	1967.95	NMEA 0183	12	2	2
659608.858097	4047693.548836	30,600		-109.216438	36.561351	11/2/2012	110239	1967.40	NMEA 0183	12	2	2
659637.981656	4047631.373028	30,600		-109.216125	36.560786	11/8/2012	092538	1972.30	NMEA 0183	12	2	2
659637.283385	4047636.276442	30,600		-109.216132	36.560831	11/8/2012	092612	1972.22	NMEA 0183	12	2	2
659640.973671	4047639.964670	30,600		-109.216090	36.560863	11/8/2012	092652	1971.63	NMEA 0183	12	2	2
659650.515120	4047648.050795	30,600		-109.215982	36.560935	11/8/2012	092825	1970.60	NMEA 0183	12	2	2
659646.344511	4047664.622114	30,600		-109.216025	36.561085	11/8/2012	093051	1970.72	NMEA 0183	12	2	2
659637.625366	4047667.789720	30,600		-109.216122	36.561115	11/8/2012	093100	1971.35	NMEA 0183	12	2	2
659641.541857	4047672.876781	30,600		-109.216077	36.561160	11/8/2012	093126	1970.69	NMEA 0183	12	2	2
659641.814401	4047676.684717	30,600		-109.216073	36.561194	11/8/2012	093303	1971.07	NMEA 0183	12	2	2
659664.171520	4047681.647823	30,600		-109.215822	36.561235	11/8/2012	093421	1968.96	NMEA 0183	12	2	2
659650.730357	4047682.210423	30,600		-109.215972	36.561242	11/8/2012	093457	1970.17	NMEA 0183	12	2	2
659651.774155	4047689.485967	30,600		-109.215959	36.561308	11/8/2012	093618	1969.30	NMEA 0183	12	2	2
659680.497582	4047688.772286	30,600		-109.215638	36.561296	11/8/2012	093811	1966.67	NMEA 0183	12	2	2
659686.636653	4047698.156661	30,600		-109.215568	36.561380	11/8/2012	093917	1966.27	NMEA 0183	12	2	2
659673.930756	4047712.409183	30,600		-109.215707	36.561511	11/8/2012	094222	1966.61	NMEA 0183	12	2	2
659666.506958	4047729.319650	30,600		-109.215786	36.561664	11/8/2012	094548	1967.27	NMEA 0183	12	2	2
659662.615146	4047730.865879	30,600		-109.215829	36.561679	11/8/2012	094552	1967.67	NMEA 0183	12	2	2
659668.749000	4047734.821421	30,600		-109.215760	36.561713	11/8/2012	094644	1966.82	NMEA 0183	12	2	2
659690.347228	4047730.577759	30,600		-109.215520	36.561671	11/8/2012	094725	1964.66	NMEA 0183	12	2	2
659674.403845	4047737.974580	30,600		-109.215696	36.561741	11/8/2012	094746	1965.75	NMEA 0183	12	2	2
659664.826854	4047747.973641	30,600		-109.215801	36.561833	11/8/2012	094929	1965.99	NMEA 0183	12	2	2
659667.162227	4047747.480578	30,600		-109.215775	36.561828	11/8/2012	094931	1965.81	NMEA 0183	12	2	2
659690.681944	4047742.129490	30,600		-109.215514	36.561776	11/8/2012	094952	1964.09	NMEA 0183	12	2	2
659692.243268	4047754.319919	30,600		-109.215494	36.561885	11/8/2012	095153	1963.77	NMEA 0183	12	2	2
659662.424562	4047758.264910	30,600		-109.215826	36.561926	11/8/2012	095220	1966.69	NMEA 0183	12	2	2
659664.582098	4047764.621501	30,600		-109.215800	36.561983	11/8/2012	095305	1965.90	NMEA 0183	12	2	2
659679.196107	4047763.969715	30,600		-109.215637	36.561974	11/8/2012	095332	1964.56	NMEA 0183	12	2	2
659673.253369	4047769.175329	30,600		-109.215703	36.562022	11/8/2012	095408	1965.77	NMEA 0183	12	2	2
659667.807643	4047785.550960	30,600		-109.215760	36.562171	11/8/2012	095542	1965.63	NMEA 0183	12	2	2
659674.186547	4047783.455301	30,600		-109.215689	36.562151	11/8/2012	095549	1964.23	NMEA 0183	12	2	2
659637.103411	4047805.786117	30,600		-109.216099	36.562358	11/8/2012	095850	1966.65	NMEA 0183	12	2	2
659637.902063	4047806.570388	30,600		-109.216090	36.562365	11/8/2012	095931	1966.45	NMEA 0183	12	2	2
659609.767394	4047828.253494	30,600		-109.216399	36.562565	11/8/2012	100133	1962.52	NMEA 0183	12	2	2
659635.354493	4047667.941803	30,600		-109.216147	36.561116	11/8/2012	114427	1971.91	NMEA 0183	12	2	2
659545.223679	4047594.046940	30,600		-109.217169	36.560465	10/27/2012	114841	1966.44	NMEA 0183	12	2	2
659568.622355	4047689.463978	30,600		-109.216888	36.561321	10/27/2012	115011	1963.51	NMEA 0183	12	2	2
659550.545595	4047592.066611	30,600		-109.217110	36.560447	10/27/2012	115626	1966.89	NMEA 0183	12	2	2
659578.895113	4047698.989665	30,600		-109.216771	36.561405	10/27/2012	115755	1963.52	NMEA 0183	12	2	2
659562.971576	4047625.657283	30,600		-109.216964	36.560747	11/1/2012	161554	1964.14	NMEA 0183	12	2	2
659580.447634	4047696.698998	30,600		-109.216754	36.561385	11/1/2012	161716	1962.96	NMEA 0183	12	2	2
659624.988692	4047636.003968	30,600		-109.216269	36.560830	11/2/2012	104745	1974.63	NMEA 0183	12	2	2
659631.230281	4047697.537372	30,600		-109.216187	36.561384	11/2/2012	104917	1971.59	NMEA 0183	12	2	2
659628.342868	4047699.555414	30,600		-109.216219	36.561402	11/2/2012	105140	1971.53	NMEA 0183	12	2	2
659620.945987	4047651.393894	30,600		-109.216311	36.560970	11/2/2012	105242	1972.55	NMEA 0183	12	2	2
659615.735275	4047653.091395	30,600		-109.216369	36.560986	11/2/2012	105516	1971.54	NMEA 0183	12	2	2
659613.819605	4047642.701523	30,600		-109.216393	36.560892	11/2/2012	105527	1972.49	NMEA 0183	12	2	2
659613.422198	4047654.794558	30,600		-109.216395	36.561001	11/2/2012	105604	1970.82	NMEA 0183	12	2	2
659615.895656	4047674.369038	30,600		-109.216363	36.561177	11/2/2012	105624	1969.57	NMEA 0183	12	2	2
659610.130888	4047652.201337	30,600		-109.216432	36.560979	11/2/2012	105749	1970.65	NMEA 0183	12	2	2
659606.879973	4047692.076816	30,600		-109.216460	36.561339	11/2/2012	110259	1966.81	NMEA 0183	12	2	2
659606.339894	4047689.900859	30,600		-109.216466	36.561319	11/2/2012	110301	1966.93	NMEA 0183	12	2	2
659601.517809	4047689.069707	30,600		-109.216520	36.561312	11/2/2012	110532	1966.24	NMEA 0183	12	2	2
659564.139272	4047628.347979	30,600		-109.216951	36.560771	11/1/2012	161602	1964.15	NMEA 0183	12	2	2
659578.050046	4047653.478174	30,600		-109.216790	36.560996	11/1/2012	162017	1964.03	NMEA 0183	12	2	2
659595.747941	4047709.491946	30,600		-109.216581	36.561497	11/1/2012	162424	1964.47	NMEA 0183	12	2	2
659613.632149	4047656.668448	30,600		-109.216392	36.561018	11/2/2012	105606	1970.68	NMEA 0183	12	2	2
659610.172379	4047652.216903	30,600		-109.216431	36.560979	11/2/2012	105804	1970.69	NMEA 0183	12	2	2
659610.153194	4047652.205450	30,600		-109.216432	36.560979	11/2/2012	105809	1970.72	NMEA 0183	12	2	2
659612.101547	4047682.311341	30,600		-109.216404	36.561250	11/2/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659605.433770	4047656.618107	30,600		-109.216483	36.561019	11/2/2012	110109	1969.17	NMEA 0183	12	2	2
659607.689742	4047681.080873	30,600		-109.216453	36.561239	11/2/2012	110227	1967.32	NMEA 0183	12	2	2
659592.679154	4047636.976869	30,600		-109.216630	36.560844	11/2/2012	110404	1969.04	NMEA 0183	12	2	2
659590.362783	4047641.271335	30,600		-109.216655	36.560883	11/2/2012	110635	1967.97	NMEA 0183	12	2	2
659576.464934	4047619.709332	30,600		-109.216815	36.560692	11/2/2012	111024	1967.12	NMEA 0183	12	2	2
659561.089200	4047600.271092	30,600		-109.216990	36.560519	11/2/2012	111123	1966.86	NMEA 0183	12	2	2
659579.185914	4047628.114657	30,600		-109.216783	36.560767	11/2/2012	111201	1966.66	NMEA 0183	12	2	2
659578.417981	4047630.902633	30,600		-109.216791	36.560792	11/2/2012	111205	1966.06	NMEA 0183	12	2	2
659569.095557	4047616.794498	30,600		-109.216898	36.560666	11/2/2012	111320	1966.31	NMEA 0183	12	2	2
659582.498175	4047705.852098	30,700		-109.216729	36.561467	11/1/2012	161725	1962.92	NMEA 0183	12	2	2
659631.426038	4047700.899968	30,700		-109.216184	36.561414	11/2/2012	104904	1971.63	NMEA 0183	12	2	2
659617.535550	4047699.142220	30,700		-109.216339	36.561400	11/2/2012	105650	1969.54	NMEA 0183	12	2	2
659612.748260	4047690.080767	30,700		-109.216395	36.561320	11/2/2012	105956	1967.96	NMEA 0183	12	2	2
659612.535541	4047693.986980	30,700		-109.216396	36.561355	11/2/2012	110000	1967.95	NMEA 0183	12	2	2
659610.775080	4047703.304303	30,700		-109.216414	36.561439	11/2/2012	110015	1967.91	NMEA 0183	12	2	2
659631.640488	4047631.429256	30,700		-109.216196	36.560788	11/8/2012	092435	1973.37	NMEA 0183	12	2	2
659632.642892	4047635.226686	30,700		-109.216184	36.560822	11/8/2012	092606	1972.87	NMEA 0183	12	2	2
659648.499010	4047636.562208	30,700		-109.216007	36.560831	11/8/2012	092627	1971.25	NMEA 0183	12	2	2
659646.736346	4047636.827298	30,700		-109.216026	36.560834	11/8/2012	092629	1971.48	NMEA 0183	12	2	2
659643.999100	4047663.483607	30,700		-109.216051	36.561075	11/8/2012	093020	1971.14	NMEA 0183	12	2	2
659645.146574	4047663.321781	30,700		-109.216038	36.561073	11/8/2012	093021	1971.05	NMEA 0183	12	2	2
659657.996196	4047663.841338	30,700		-109.215895	36.561076	11/8/2012	093147	1969.35	NMEA 0183	12	2	2
659661.180740	4047663.180912	30,700		-109.215859	36.561069	11/8/2012	093150	1969.32	NMEA 0183	12	2	2
659650.474472	4047673.725031	30,700		-109.215977	36.561166	11/8/2012	093220	1970.38	NMEA 0183	12	2	2
659651.443585	4047673.445218	30,700		-109.215966	36.561163	11/8/2012	093221	1970.54	NMEA 0183	12	2	2
659643.419297	4047679.614744	30,700		-109.216054	36.561220	11/8/2012	093315	1970.69	NMEA 0183	12	2	2
659671.914305	4047679.632956	30,700		-109.215736	36.561216	11/8/2012	093412	1968.05	NMEA 0183	12	2	2
659646.914486	4047683.040404	30,700		-109.216015	36.561250	11/8/2012	093502	1970.48	NMEA 0183	12	2	2
659684.851242	4047688.150213	30,700		-109.215590	36.561290	11/8/2012	093815	1966.18	NMEA 0183	12	2	2
659686.517409	4047695.496500	30,700		-109.215570	36.561356	11/8/2012	093914	1966.10	NMEA 0183	12	2	2
659669.468552	4047701.753779	30,700		-109.215759	36.561415	11/8/2012	093933	1967.98	NMEA 0183	12	2	2
659668.334454	4047702.160004	30,700		-109.215771	36.561419	11/8/2012	093934	1968.16	NMEA 0183	12	2	2
659685.349958	4047714.664957	30,700		-109.215579	36.561529	11/8/2012	094418	1966.05	NMEA 0183	12	2	2
659656.128619	4047727.983992	30,700		-109.215902	36.561654	11/8/2012	094453	1967.96	NMEA 0183	12	2	2
659674.098778	4047731.256538	30,700		-109.215701	36.561680	11/8/2012	094609	1966.49	NMEA 0183	12	2	2
659665.219474	4047735.338567	30,700		-109.215799	36.561719	11/8/2012	094647	1966.78	NMEA 0183	12	2	2
659666.784269	4047739.544114	30,700		-109.215781	36.561756	11/8/2012	094753	1966.42	NMEA 0183	12	2	2
659660.488110	4047759.775286	30,700		-109.215847	36.561940	11/8/2012	095223	1966.82	NMEA 0183	12	2	2
659676.687168	4047773.574632	30,700		-109.215663	36.562061	11/8/2012	095446	1965.27	NMEA 0183	12	2	2
659674.355892	4047788.561629	30,700		-109.215686	36.562197	11/8/2012	095625	1964.20	NMEA 0183	12	2	2
659644.936126	4047805.271116	30,700		-109.216011	36.562352	11/8/2012	095938	1966.55	NMEA 0183	12	2	2
659631.696699	4047814.514187	30,700		-109.216157	36.562438	11/8/2012	100024	1965.24	NMEA 0183	12	2	2
659634.536150	4047661.140257	30,700		-109.216157	36.561055	11/8/2012	114422	1972.24	NMEA 0183	12	2	2
659574.616948	4047640.265353	30,700		-109.216831	36.560877	11/1/2012	162004	1964.24	NMEA 0183	12	2	2
659591.592336	4047688.334418	30,700		-109.216631	36.561307	11/1/2012	162402	1964.20	NMEA 0183	12	2	2
659627.337176	4047667.783821	30,700		-109.216236	36.561116	11/2/2012	104951	1972.20	NMEA 0183	12	2	2
659612.698365	4047667.029510	30,700		-109.216400	36.561112	11/2/2012	105729	1969.45	NMEA 0183	12	2	2
659608.577929	4047643.333057	30,700		-109.216451	36.560899	11/2/2012	105835	1971.41	NMEA 0183	12	2	2
659610.059589	4047685.245851	30,700		-109.216426	36.561276	11/2/2012	110035	1967.55	NMEA 0183	12	2	2
659601.627542	4047640.194759	30,700		-109.216529	36.560872	11/2/2012	110127	1970.52	NMEA 0183	12	2	2
659601.279494	4047653.167293	30,700		-109.216531	36.560989	11/2/2012	110155	1968.89	NMEA 0183	12	2	2
659600.648449	4047659.756986	30,700		-109.216536	36.561048	11/2/2012	110331	1967.95	NMEA 0183	12	2	2
659598.589925	4047701.716943	30,700		-109.216551	36.561427	11/2/2012	110755	1965.46	NMEA 0183	12	2	2
659582.901497	4047637.037834	30,700		-109.216739	36.560847	11/2/2012	110959	1966.17	NMEA 0183	12	2	2
659559.371042	4047608.033652	30,700		-109.217008	36.560589	11/2/2012	111418	1965.90	NMEA 0183	12	2	2
659616.591515	4047680.132507	30,800		-109.216354	36.561229	11/2/2012	105630	1969.44	NMEA 0183	12	2	2
659616.939365	4047685.029433	30,800		-109.216349	36.561273	11/2/2012	105635	1969.10	NMEA 0183	12	2	2
659615.802636	4047694.345377	30,800		-109.216360	36.561357	11/2/2012	105701	1968.76	NMEA 0183	12	2	2
659607.294993	4047637.283103	30,800		-109.216467	36.560845	11/2/2012	105842	1971.76	NMEA 0183	12	2	2
659636.311577	4047631.312450	30,800		-109.216144	36.560786	11/8/2012	092447	1972.79	NMEA 0183	12	2	2
659639.185915	4047643.995183	30,800		-109.216109	36.560900	11/8/2012	092727	1971.77	NMEA 0183	12	2	2
659634.130386	4047649.311618	30,800		-109.216164	36.560949	11/8/2012	092800	1972.33	NMEA 0183	12	2	2
659642.686640	4047649.938317	30,800		-109.216069	36.560953	11/8/2012	092833	1971.56	NMEA 0183	12	2	2
659652.777806	4047653.406821	30,800		-109.215955	36.560982	11/8/2012	092908	1970.58	NMEA 0183	12	2	2
659674.188445	4047678.500628	30,800		-109.215711	36.561205	11/8/2012	093409	1967.72	NMEA 0183	12	2	2
659673.275794	4047684.502454	30,800		-109.215720	36.561259	11/8/2012	093600	1967.81	NMEA 0183	12	2	2
659665.034301	4047689.430513	30,800		-109.215811	36.561305	11/8/2012	093653	1968.13	NMEA 0183	12	2	2
659680.641562	4047684.953580	30,800		-109.215638	36.561262	11/8/2012	093708	1966.92	NMEA 0183	12	2	2
659685.814846	4047698.860924	30,800		-109.215577	36.561386	11/8/2012	093918	1966.25	NMEA 0183	12	2	2
659676.321471	4047700.009100	30,800		-109.215683	36.561398	11/8/2012	093927	1966.98	NMEA 0183	12	2	2
659653.692228	4047702.396968	30,800		-109.215935	36.561424	11/8/2012	094014	1970.33	NMEA 0183	12	2	2
659651.236500	4047705.033397	30,800		-109.215962	36.561448	11/8/2012	094019	1969.57	NMEA 0183	12	2	2
659676.179062	4047711.703646	30,800		-109.215682	36.561504	11/8/2012	094220	1966.70	NMEA 0183	12	2	2
659677.897954	4047711.866868	30,800		-109.215663	36.561505	11/8/2012	094306	1967.22	NMEA 0183	12	2	2
659686.410757	4047714.590312	30,800		-109.215567	36.561528	11/8/2012	094419	1965.90	NMEA 0183	12	2	2
659687.170277	4047714.990984	30,800		-109.215558	36.561532	11/8/2012	094420	1965.85	NMEA 0183	12	2	2
659680.901427	4047719.676339	30,800		-109.215627	36.561575	11/8/2012	094428	1965.63	NMEA 0183	12	2	2
659668.423350	4047727.041299	30,800		-109.215765	36.561643	11/8/2012	094506	1966.76	NMEA 0183	12	2	2
659665.338901	4047742.090157	30,800		-109.215797	36.561779	11/8/2012	094810	1966.17	NMEA 0183	12	2	2
659667.557930	4047741.594935	30,800		-109.215772	36.561775	11/8/2012	0					



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659659.997502	4047745.525725	30,800		-109.215856	36.561811	11/8/2012	094921	1967.30	NMEA 0183	12	2	2
659680.042508	4047744.652876	30,800		-109.215632	36.561800	11/8/2012	094942	1964.85	NMEA 0183	12	2	2
659696.210673	4047740.741280	30,800		-109.215452	36.561762	11/8/2012	094957	1963.73	NMEA 0183	12	2	2
659668.927968	4047750.666997	30,800		-109.215755	36.561856	11/8/2012	095030	1966.03	NMEA 0183	12	2	2
659663.448031	4047754.974877	30,800		-109.215815	36.561896	11/8/2012	095045	1966.54	NMEA 0183	12	2	2
659695.882204	4047750.560528	30,800		-109.215454	36.561851	11/8/2012	095129	1963.37	NMEA 0183	12	2	2
659673.178364	4047756.009975	30,800		-109.215706	36.561904	11/8/2012	095210	1965.22	NMEA 0183	12	2	2
659678.293599	4047757.042673	30,800		-109.215649	36.561912	11/8/2012	095241	1964.86	NMEA 0183	12	2	2
659668.769097	4047766.143773	30,800		-109.215753	36.561996	11/8/2012	095322	1966.05	NMEA 0183	12	2	2
659670.143036	4047768.009671	30,800		-109.215738	36.562012	11/8/2012	095344	1966.12	NMEA 0183	12	2	2
659670.835461	4047780.146978	30,800		-109.215727	36.562121	11/8/2012	095513	1964.47	NMEA 0183	12	2	2
659670.173032	4047788.907578	30,800		-109.215733	36.562200	11/8/2012	095621	1964.23	NMEA 0183	12	2	2
659675.733271	4047791.849973	30,800		-109.215670	36.562226	11/8/2012	095704	1963.81	NMEA 0183	12	2	2
659642.482602	4047804.493132	30,800		-109.216039	36.562346	11/8/2012	095845	1966.77	NMEA 0183	12	2	2
659632.693366	4047816.206611	30,800		-109.216146	36.562453	11/8/2012	100026	1965.11	NMEA 0183	12	2	2
659623.296196	4047819.415284	30,800		-109.216250	36.562483	11/8/2012	100035	1964.53	NMEA 0183	12	2	2
659607.177435	4047831.050213	30,800		-109.216428	36.562591	11/8/2012	100143	1962.03	NMEA 0183	12	2	2
659632.249673	4047663.983292	30,800		-109.216182	36.561081	11/8/2012	114331	1971.87	NMEA 0183	12	2	2
659628.277249	4047631.908811	30,800		-109.216233	36.560793	11/8/2012	114356	1973.88	NMEA 0183	12	2	2
659636.883650	4047679.941105	30,800		-109.216127	36.561224	11/8/2012	114436	1971.32	NMEA 0183	12	2	2
659639.125190	4047699.707357	30,800		-109.216098	36.561402	11/8/2012	114452	1970.94	NMEA 0183	12	2	2
659636.473891	4047631.330259	30,900		-109.216142	36.560786	11/8/2012	092449	1972.79	NMEA 0183	12	2	2
659632.680771	4047634.391347	30,900		-109.216184	36.560814	11/8/2012	092605	1972.98	NMEA 0183	12	2	2
659638.000673	4047640.884279	30,900		-109.216123	36.560872	11/8/2012	092649	1971.82	NMEA 0183	12	2	2
659637.590641	4047646.658677	30,900		-109.216126	36.560924	11/8/2012	092754	1971.83	NMEA 0183	12	2	2
659661.027442	4047661.792680	30,900		-109.215861	36.561057	11/8/2012	093038	1969.45	NMEA 0183	12	2	2
659666.062017	4047682.454206	30,900		-109.215801	36.561242	11/8/2012	093419	1968.92	NMEA 0183	12	2	2
659641.340424	4047687.916246	30,900		-109.216076	36.561295	11/8/2012	093510	1970.91	NMEA 0183	12	2	2
659642.099038	4047688.446372	30,900		-109.216067	36.561300	11/8/2012	093511	1970.77	NMEA 0183	12	2	2
659660.282353	4047687.553728	30,900		-109.215864	36.561289	11/8/2012	093611	1968.97	NMEA 0183	12	2	2
659661.360849	4047699.311619	30,900		-109.215850	36.561395	11/8/2012	093849	1969.29	NMEA 0183	12	2	2
659681.714985	4047699.877983	30,900		-109.215622	36.561396	11/8/2012	093922	1966.58	NMEA 0183	12	2	2
659650.972886	4047704.122177	30,900		-109.215965	36.561440	11/8/2012	094018	1969.79	NMEA 0183	12	2	2
659655.562830	4047710.547941	30,900		-109.215912	36.561497	11/8/2012	094126	1967.95	NMEA 0183	12	2	2
659678.620003	4047707.452205	30,900		-109.215655	36.561465	11/8/2012	094156	1966.44	NMEA 0183	12	2	2
659656.884560	4047729.703396	30,900		-109.215894	36.561669	11/8/2012	094455	1968.00	NMEA 0183	12	2	2
659678.509497	4047726.111276	30,900		-109.215653	36.561633	11/8/2012	094534	1965.75	NMEA 0183	12	2	2
659661.017738	4047733.242633	30,900		-109.215847	36.561700	11/8/2012	094557	1967.75	NMEA 0183	12	2	2
659659.832762	4047736.551865	30,900		-109.215859	36.561730	11/8/2012	094652	1967.17	NMEA 0183	12	2	2
659681.479951	4047733.287555	30,900		-109.215618	36.561697	11/8/2012	094716	1965.60	NMEA 0183	12	2	2
659673.801800	4047752.165023	30,900		-109.215700	36.561869	11/8/2012	095054	1965.57	NMEA 0183	12	2	2
659678.561643	4047751.604126	30,900		-109.215647	36.561863	11/8/2012	095058	1965.05	NMEA 0183	12	2	2
659673.852530	4047758.034906	30,900		-109.215698	36.561922	11/8/2012	095237	1965.05	NMEA 0183	12	2	2
659679.621374	4047767.667660	30,900		-109.215632	36.562007	11/8/2012	095414	1964.89	NMEA 0183	12	2	2
659667.792026	4047774.974369	30,900		-109.215762	36.562075	11/8/2012	095438	1965.51	NMEA 0183	12	2	2
659678.150703	4047776.803536	30,900		-109.215646	36.562090	11/8/2012	095455	1964.83	NMEA 0183	12	2	2
659676.167189	4047776.990535	30,900		-109.215668	36.562092	11/8/2012	095457	1964.84	NMEA 0183	12	2	2
659666.343134	4047792.345295	30,900		-109.215775	36.562232	11/8/2012	095639	1964.65	NMEA 0183	12	2	2
659629.138209	4047805.238817	30,900		-109.216188	36.562354	11/8/2012	095826	1967.50	NMEA 0183	12	2	2
659632.559078	4047804.142551	30,900		-109.216150	36.562344	11/8/2012	095829	1967.28	NMEA 0183	12	2	2
659641.239504	4047801.767729	30,900		-109.216053	36.562321	11/8/2012	095837	1967.34	NMEA 0183	12	2	2
659640.956540	4047808.252902	30,900		-109.216055	36.562380	11/8/2012	095945	1966.21	NMEA 0183	12	2	2
659616.322614	4047827.026702	30,900		-109.216327	36.562553	11/8/2012	100127	1963.02	NMEA 0183	12	2	2
659610.256593	4047830.356373	30,900		-109.216394	36.562584	11/8/2012	100146	1962.29	NMEA 0183	12	2	2
659629.065722	4047826.116322	30,900		-109.216184	36.562543	11/8/2012	100206	1963.74	NMEA 0183	12	2	2
659635.021913	4047665.198152	30,900		-109.216151	36.561092	11/8/2012	114425	1972.10	NMEA 0183	12	2	2
659610.152988	4047652.216544	30,900		-109.216432	36.560979	11/2/2012	105755	1970.69	NMEA 0183	12	2	2
659609.601375	4047648.168527	30,900		-109.216439	36.560942	11/2/2012	105826	1971.10	NMEA 0183	12	2	2
659609.810105	4047682.285483	30,900		-109.216429	36.561250	11/2/2012	110038	1967.72	NMEA 0183	12	2	2
659607.529611	4047680.060596	30,900		-109.216455	36.561230	11/2/2012	110226	1967.35	NMEA 0183	12	2	2
659571.316992	4047613.676493	30,900		-109.216873	36.560638	11/2/2012	111035	1966.59	NMEA 0183	12	2	2
659583.536894	4047644.131924	30,900		-109.216731	36.560910	11/2/2012	111222	1966.48	NMEA 0183	12	2	2
659643.532113	4047634.929298	30,900		-109.216062	36.560817	11/8/2012	092618	1971.79	NMEA 0183	12	2	2
659639.375565	4047638.035431	30,900		-109.216108	36.560846	11/8/2012	092636	1972.21	NMEA 0183	12	2	2
659648.408747	4047675.205267	30,900		-109.216000	36.561180	11/8/2012	093257	1970.44	NMEA 0183	12	2	2
659664.106738	4047675.810975	30,900		-109.215824	36.561182	11/8/2012	093345	1968.56	NMEA 0183	12	2	2
659667.316014	4047677.194875	30,900		-109.215788	36.561194	11/8/2012	093357	1968.44	NMEA 0183	12	2	2
659654.402236	4047691.634081	30,900		-109.215929	36.561327	11/8/2012	093643	1968.85	NMEA 0183	12	2	2
659628.082412	4047802.792489	30,900		-109.216200	36.562333	11/8/2012	095805	1968.13	NMEA 0183	12	2	2
659628.496286	4047651.149230	30,900		-109.216227	36.560966	11/8/2012	114225	1972.40	NMEA 0183	12	2	2
659628.860400	4047653.721448	30,900		-109.216222	36.560989	11/8/2012	114227	1972.20	NMEA 0183	12	2	2
659631.429896	4047672.058451	30,900		-109.216190	36.561154	11/8/2012	114241	1971.18	NMEA 0183	12	2	2
659632.963562	4047669.256939	30,900		-109.216173	36.561129	11/8/2012	114327	1971.59	NMEA 0183	12	2	2
659541.056432	4047589.441736	30,900		-109.217216	36.560425	10/27/2012	114823	1966.60	NMEA 0183	12	2	2
659551.755608	4047592.958381	30,900		-109.217096	36.560455	10/27/2012	115628	1966.88	NMEA 0183	12	2	2
659586.812783	4047689.634859	30,900		-109.216685	36.561320	11/1/2012	162051	1963.73	NMEA 0183	12	2	2
659594.104412	4047719.022301	30,900		-109.216597	36.561583	11/1/2012	162124	1965.06	NMEA 0183	12	2	2
659596.837151	4047714.803996	30,900		-109.216567	36.561545	11/1/2012	162430	1964.95	NMEA 0183	12	2	2
659598.929472	4047705.694438	30,900		-109.216546	36.561463	11/1/2012	162444	1964.59	NMEA 0183	12	2	2
659616.430353	4047630.662492	30,900		-109.216366	36.560784	11/1/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659624.577307	4047633.486362	30,900		-109.216274	36.560808	11/2/2012	104642	1974.99	NMEA 0183	12	2	2
659624.957800	4047635.417056	30,900		-109.216270	36.560825	11/2/2012	104744	1974.72	NMEA 0183	12	2	2
659625.096269	4047637.846365	30,900		-109.216268	36.560847	11/2/2012	104754	1974.42	NMEA 0183	12	2	2
659589.730271	4047719.301854	31,000		-109.216646	36.561587	11/1/2012	161805	1964.66	NMEA 0183	12	2	2
659615.532153	4047633.956704	31,000		-109.216375	36.560813	11/1/2012	162734	1972.62	NMEA 0183	12	2	2
659620.596160	4047633.331126	31,000		-109.216319	36.560807	11/2/2012	105031	1974.30	NMEA 0183	12	2	2
659606.057982	4047638.410640	31,000		-109.216480	36.560855	11/2/2012	111551	1971.67	NMEA 0183	12	2	2
659614.522868	4047638.010910	31,000		-109.216386	36.560850	11/2/2012	111601	1972.77	NMEA 0183	12	2	2
659638.979288	4047640.575047	31,000		-109.216112	36.560869	11/8/2012	092650	1971.88	NMEA 0183	12	2	2
659638.189629	4047650.886991	31,000		-109.216119	36.560962	11/8/2012	092837	1971.91	NMEA 0183	12	2	2
659656.564955	4047654.527689	31,000		-109.215913	36.560992	11/8/2012	092946	1970.17	NMEA 0183	12	2	2
659640.710888	4047676.889901	31,000		-109.216085	36.561196	11/8/2012	093304	1971.19	NMEA 0183	12	2	2
659642.342667	4047679.979496	31,000		-109.216066	36.561224	11/8/2012	093314	1970.80	NMEA 0183	12	2	2
659674.726896	4047677.707871	31,000		-109.215705	36.561198	11/8/2012	093408	1967.63	NMEA 0183	12	2	2
659646.804092	4047682.636982	31,000		-109.216016	36.561247	11/8/2012	093453	1970.38	NMEA 0183	12	2	2
659663.922136	4047684.151321	31,000		-109.215824	36.561258	11/8/2012	093530	1968.91	NMEA 0183	12	2	2
659677.951111	4047679.894800	31,000		-109.215669	36.561217	11/8/2012	093543	1966.85	NMEA 0183	12	2	2
659686.092267	4047684.555327	31,000		-109.215577	36.561258	11/8/2012	093715	1966.16	NMEA 0183	12	2	2
659672.717740	4047690.372136	31,000		-109.215725	36.561312	11/8/2012	093804	1967.28	NMEA 0183	12	2	2
659661.697515	4047698.859152	31,000		-109.215846	36.561390	11/8/2012	093848	1969.11	NMEA 0183	12	2	2
659663.821940	4047708.931074	31,000		-109.215820	36.561481	11/8/2012	094119	1967.78	NMEA 0183	12	2	2
659687.330498	4047712.387800	31,000		-109.215557	36.561508	11/8/2012	094319	1965.53	NMEA 0183	12	2	2
659657.011094	4047722.401476	31,000		-109.215894	36.561603	11/8/2012	094347	1967.56	NMEA 0183	12	2	2
659671.605049	4047725.809284	31,000		-109.215730	36.561632	11/8/2012	094509	1966.43	NMEA 0183	12	2	2
659674.920134	4047726.314717	31,000		-109.215693	36.561636	11/8/2012	094538	1966.21	NMEA 0183	12	2	2
659670.887603	4047734.398694	31,000		-109.215736	36.561709	11/8/2012	094642	1966.70	NMEA 0183	12	2	2
659662.348212	4047739.300879	31,000		-109.215831	36.561755	11/8/2012	094659	1966.69	NMEA 0183	12	2	2
659681.163278	4047736.361346	31,000		-109.215621	36.561725	11/8/2012	094740	1965.27	NMEA 0183	12	2	2
659674.344619	4047739.960006	31,000		-109.215696	36.561759	11/8/2012	094818	1965.57	NMEA 0183	12	2	2
659671.727944	4047746.525798	31,000		-109.215724	36.561818	11/8/2012	094935	1965.31	NMEA 0183	12	2	2
659661.342300	4047755.475902	31,000		-109.215838	36.561901	11/8/2012	095043	1966.74	NMEA 0183	12	2	2
659676.040129	4047757.544652	31,000		-109.215674	36.561917	11/8/2012	095239	1964.86	NMEA 0183	12	2	2
659677.167944	4047757.315878	31,000		-109.215661	36.561915	11/8/2012	095240	1964.86	NMEA 0183	12	2	2
659679.374437	4047775.723335	31,000		-109.215637	36.561909	11/8/2012	095242	1964.80	NMEA 0183	12	2	2
659677.744797	4047767.318395	31,000		-109.215653	36.562005	11/8/2012	095337	1965.13	NMEA 0183	12	2	2
659672.663585	4047771.850077	31,000		-109.215709	36.562046	11/8/2012	095426	1965.86	NMEA 0183	12	2	2
659675.578044	4047773.761210	31,000		-109.215676	36.562063	11/8/2012	095445	1965.41	NMEA 0183	12	2	2
659679.858042	4047773.085979	31,000		-109.215628	36.562056	11/8/2012	095449	1964.84	NMEA 0183	12	2	2
659668.683141	4047781.631150	31,000		-109.215751	36.562135	11/8/2012	095532	1965.19	NMEA 0183	12	2	2
659671.413607	4047784.210291	31,000		-109.215720	36.562158	11/8/2012	095546	1964.91	NMEA 0183	12	2	2
659676.860493	4047789.401608	31,000		-109.215658	36.562204	11/8/2012	095628	1964.03	NMEA 0183	12	2	2
659628.532003	4047821.587725	31,000		-109.216191	36.562502	11/8/2012	100111	1964.14	NMEA 0183	12	2	2
659627.168630	4047828.642893	31,000		-109.216205	36.562566	11/8/2012	100202	1963.32	NMEA 0183	12	2	2
659616.491555	4047677.396871	31,100		-109.216356	36.561205	11/2/2012	105627	1969.52	NMEA 0183	12	2	2
659609.194966	4047701.290319	31,100		-109.216432	36.561421	11/2/2012	110247	1967.45	NMEA 0183	12	2	2
659635.927486	4047662.471921	31,100		-109.216142	36.561067	11/8/2012	093010	1971.85	NMEA 0183	12	2	2
659648.806036	4047666.820776	31,100		-109.215997	36.561104	11/8/2012	093138	1970.32	NMEA 0183	12	2	2
659644.272196	4047688.333170	31,100		-109.216043	36.561299	11/8/2012	093513	1970.67	NMEA 0183	12	2	2
659682.814967	4047687.078469	31,100		-109.215613	36.561281	11/8/2012	093721	1966.27	NMEA 0183	12	2	2
659668.741800	4047689.937676	31,100		-109.215769	36.561309	11/8/2012	093734	1967.47	NMEA 0183	12	2	2
659654.590276	4047707.072900	31,100		-109.215924	36.561466	11/8/2012	094024	1968.91	NMEA 0183	12	2	2
659657.068527	4047706.841435	31,100		-109.215896	36.561463	11/8/2012	094026	1968.84	NMEA 0183	12	2	2
659674.473096	4047713.175754	31,100		-109.215701	36.561517	11/8/2012	094303	1967.24	NMEA 0183	12	2	2
659683.824396	4047709.069198	31,100		-109.215597	36.561479	11/8/2012	094312	1965.80	NMEA 0183	12	2	2
659685.530756	4047713.123855	31,100		-109.215577	36.561515	11/8/2012	094321	1965.65	NMEA 0183	12	2	2
659676.946103	4047724.001407	31,100		-109.215671	36.561614	11/8/2012	094514	1965.76	NMEA 0183	12	2	2
659665.658450	4047729.533262	31,100		-109.215796	36.561666	11/8/2012	094549	1967.38	NMEA 0183	12	2	2
659674.872076	4047733.568154	31,100		-109.215692	36.561701	11/8/2012	094638	1966.09	NMEA 0183	12	2	2
659669.846214	4047734.553236	31,100		-109.215748	36.561711	11/8/2012	094643	1966.69	NMEA 0183	12	2	2
659664.612885	4047738.436573	31,100		-109.215805	36.561747	11/8/2012	094701	1966.58	NMEA 0183	12	2	2
659669.087298	4047736.934451	31,100		-109.215756	36.561732	11/8/2012	094705	1966.50	NMEA 0183	12	2	2
659678.064075	4047734.032462	31,100		-109.215656	36.561705	11/8/2012	094713	1965.63	NMEA 0183	12	2	2
659666.012705	4047747.753342	31,100		-109.215788	36.561830	11/8/2012	094930	1965.91	NMEA 0183	12	2	2
659663.591275	4047751.999598	31,100		-109.215814	36.561869	11/8/2012	095035	1966.51	NMEA 0183	12	2	2
659674.311399	4047762.173690	31,100		-109.215692	36.561959	11/8/2012	095255	1964.93	NMEA 0183	12	2	2
659661.686607	4047768.120951	31,100		-109.215832	36.562015	11/8/2012	095315	1966.59	NMEA 0183	12	2	2
659666.788782	4047766.721109	31,100		-109.215775	36.562001	11/8/2012	095320	1966.09	NMEA 0183	12	2	2
659679.205826	4047770.843197	31,100		-109.215636	36.562036	11/8/2012	095420	1965.18	NMEA 0183	12	2	2
659666.255426	4047779.864076	31,100		-109.215779	36.562120	11/8/2012	095508	1965.59	NMEA 0183	12	2	2
659667.959979	4047786.669126	31,100		-109.215758	36.562181	11/8/2012	095610	1965.08	NMEA 0183	12	2	2
659664.405527	4047787.324532	31,100		-109.215798	36.562187	11/8/2012	095614	1965.14	NMEA 0183	12	2	2
659643.861814	4047801.329925	31,100		-109.216024	36.562317	11/8/2012	095840	1967.38	NMEA 0183	12	2	2
659638.143916	4047805.598260	31,100		-109.216087	36.562356	11/8/2012	095849	1966.60	NMEA 0183	12	2	2
659636.136765	4047806.014186	31,100		-109.216110	36.562360	11/8/2012	095851	1966.70	NMEA 0183	12	2	2
659635.203345	4047806.381595	31,100		-109.216120	36.562364	11/8/2012	095852	1966.55	NMEA 0183	12	2	2
659618.011767	4047811.016023	31,100		-109.216311	36.562408	11/8/2012	095909	1966.56	NMEA 0183	12	2	2
659626.038681	4047632.812455	31,100		-109.216258	36.560801	11/8/2012	114208	1973.55	NMEA 0183	12	2	2
659638.054326	4047690.592761	31,100		-109.216112	36.561320	11/8/2012	114444	1971.08	NMEA 0183	12	2	2
659583.508980	4047718.047086	31,200		-109.216716	36.561576	10/27/2012	115810	1964.48	NMEA 0183	12	2	2
659631.845390	4047685.293004	31,200		-109.216183	36.561273	11/2/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659621.187142	4047639.358999	31,200		-109.216311	36.560861	11/2/2012	105038	1973.89	NMEA 0183	12	2	2
659620.080599	4047682.520390	31,200		-109.216314	36.561250	11/2/2012	105446	1970.09	NMEA 0183	12	2	2
659612.508916	4047697.674688	31,200		-109.216396	36.561388	11/2/2012	110004	1968.10	NMEA 0183	12	2	2
659610.820827	4047694.241869	31,200		-109.216415	36.561357	11/2/2012	110026	1967.87	NMEA 0183	12	2	2
659646.769885	4047632.124261	31,200		-109.216027	36.560792	11/8/2012	092551	1971.39	NMEA 0183	12	2	2
659639.963629	4047640.278868	31,200		-109.216101	36.560866	11/8/2012	092651	1971.72	NMEA 0183	12	2	2
659652.816666	4047650.427756	31,200		-109.215955	36.560956	11/8/2012	092900	1970.56	NMEA 0183	12	2	2
659650.403650	4047669.258662	31,200		-109.215979	36.561126	11/8/2012	093209	1972.10	NMEA 0183	12	2	2
659668.529003	4047682.910606	31,200		-109.215773	36.561246	11/8/2012	093534	1968.47	NMEA 0183	12	2	2
659642.050157	4047692.930866	31,200		-109.216067	36.561340	11/8/2012	093629	1970.73	NMEA 0183	12	2	2
659670.185301	4047687.894703	31,200		-109.215754	36.561290	11/8/2012	093658	1967.70	NMEA 0183	12	2	2
659676.686329	4047686.056560	31,200		-109.215681	36.561273	11/8/2012	093704	1967.13	NMEA 0183	12	2	2
659679.775799	4047685.292647	31,200		-109.215647	36.561265	11/8/2012	093707	1966.98	NMEA 0183	12	2	2
659667.874437	4047692.453752	31,200		-109.215779	36.561332	11/8/2012	093759	1967.50	NMEA 0183	12	2	2
659668.885520	4047692.163622	31,200		-109.215767	36.561329	11/8/2012	093800	1967.42	NMEA 0183	12	2	2
659685.519488	4047690.896397	31,200		-109.215582	36.561315	11/8/2012	093823	1965.99	NMEA 0183	12	2	2
659666.385854	4047696.926329	31,200		-109.215794	36.561372	11/8/2012	093843	1968.27	NMEA 0183	12	2	2
659661.931148	4047700.742732	31,200		-109.215843	36.561407	11/8/2012	093851	1969.38	NMEA 0183	12	2	2
659655.789218	4047702.850199	31,200		-109.215911	36.561427	11/8/2012	093945	1969.37	NMEA 0183	12	2	2
659685.353227	4047704.599221	31,200		-109.215581	36.561438	11/8/2012	094100	1966.41	NMEA 0183	12	2	2
659674.768561	4047706.983059	31,200		-109.215699	36.561461	11/8/2012	094109	1967.43	NMEA 0183	12	2	2
659670.077684	4047707.685813	31,200		-109.215751	36.561469	11/8/2012	094113	1967.75	NMEA 0183	12	2	2
659663.602835	4047711.411089	31,200		-109.215822	36.561503	11/8/2012	094142	1967.35	NMEA 0183	12	2	2
659665.625913	4047722.762938	31,200		-109.215797	36.561605	11/8/2012	094359	1966.65	NMEA 0183	12	2	2
659678.504331	4047715.373960	31,200		-109.215655	36.561536	11/8/2012	094412	1966.42	NMEA 0183	12	2	2
659662.167563	4047725.475091	31,200		-109.215835	36.561630	11/8/2012	094446	1967.26	NMEA 0183	12	2	2
659660.005743	4047726.023167	31,200		-109.215860	36.561636	11/8/2012	094448	1967.40	NMEA 0183	12	2	2
659675.297558	4047739.666948	31,200		-109.215686	36.561756	11/8/2012	094819	1965.44	NMEA 0183	12	2	2
659694.862934	4047735.132172	31,200		-109.215468	36.561712	11/8/2012	094838	1964.32	NMEA 0183	12	2	2
659662.047872	4047745.193841	31,200		-109.215833	36.561808	11/8/2012	094918	1966.65	NMEA 0183	12	2	2
659691.601489	4047757.383977	31,200		-109.215500	36.561913	11/8/2012	095145	1963.67	NMEA 0183	12	2	2
659659.456021	4047766.183670	31,200		-109.215857	36.561997	11/8/2012	095311	1966.76	NMEA 0183	12	2	2
659672.800420	4047772.421914	31,200		-109.215706	36.562097	11/8/2012	095500	1964.95	NMEA 0183	12	2	2
659666.756718	4047780.591043	31,200		-109.215773	36.562126	11/8/2012	095509	1965.51	NMEA 0183	12	2	2
659678.500976	4047779.316313	31,200		-109.215642	36.562113	11/8/2012	095521	1964.36	NMEA 0183	12	2	2
659673.350491	4047786.375182	31,200		-109.215698	36.562177	11/8/2012	095604	1964.56	NMEA 0183	12	2	2
659636.625116	4047694.761252	31,200		-109.216127	36.561358	11/8/2012	114308	1970.96	NMEA 0183	12	2	2
659637.309068	4047685.240846	31,200		-109.216121	36.561272	11/8/2012	114440	1971.30	NMEA 0183	12	2	2
659534.709419	4047591.582482	31,200		-109.217287	36.560445	10/27/2012	113534	1964.99	NMEA 0183	12	2	2
659536.628514	4047589.962627	31,200		-109.217266	36.560430	10/27/2012	113601	1965.26	NMEA 0183	12	2	2
659548.190010	4047601.615212	31,200		-109.217134	36.560533	10/27/2012	114901	1965.90	NMEA 0183	12	2	2
659576.318539	4047648.120924	31,200		-109.216810	36.560948	11/1/2012	162012	1964.08	NMEA 0183	12	2	2
659579.701450	4047649.798404	31,200		-109.216772	36.560962	11/1/2012	162253	1964.41	NMEA 0183	12	2	2
659594.207750	4047672.340918	31,200		-109.216606	36.561163	11/1/2012	162541	1965.24	NMEA 0183	12	2	2
659630.112806	4047672.435391	31,200		-109.216205	36.561158	11/2/2012	104832	1972.06	NMEA 0183	12	2	2
659628.906060	4047675.792315	31,200		-109.216217	36.561188	11/2/2012	104942	1971.75	NMEA 0183	12	2	2
659622.237622	4047660.272126	31,200		-109.216295	36.561049	11/2/2012	105233	1971.87	NMEA 0183	12	2	2
659612.335599	4047685.299167	31,200		-109.216400	36.561277	11/2/2012	105951	1967.88	NMEA 0183	12	2	2
659610.394201	4047687.397651	31,200		-109.216422	36.561296	11/2/2012	110033	1967.66	NMEA 0183	12	2	2
659605.694184	4047657.621748	31,200		-109.216480	36.561028	11/2/2012	110108	1969.11	NMEA 0183	12	2	2
659601.148851	4047652.166059	31,200		-109.216532	36.560980	11/2/2012	110154	1968.95	NMEA 0183	12	2	2
659606.567617	4047675.130083	31,200		-109.216467	36.561186	11/2/2012	110221	1967.66	NMEA 0183	12	2	2
659593.988778	4047642.875644	31,200		-109.216614	36.560897	11/2/2012	110415	1968.33	NMEA 0183	12	2	2
659595.329398	4047649.194865	31,200		-109.216598	36.560954	11/2/2012	110424	1968.04	NMEA 0183	12	2	2
659598.126195	4047658.981442	31,200		-109.216565	36.561042	11/2/2012	110435	1967.47	NMEA 0183	12	2	2
659591.719226	4047650.357924	31,200		-109.216638	36.560965	11/2/2012	110645	1967.30	NMEA 0183	12	2	2
659599.243906	4047707.566566	31,200		-109.216542	36.561479	11/2/2012	110748	1965.71	NMEA 0183	12	2	2
659566.649334	4047609.504062	31,200		-109.216926	36.560601	11/2/2012	111134	1966.69	NMEA 0183	12	2	2
659680.757109	4047692.798242	31,200		-109.215635	36.561333	11/8/2012	093828	1966.64	NMEA 0183	12	2	2
659608.336235	4047830.920037	31,300		-109.216415	36.562589	10/27/2012	120444	1962.66	NMEA 0183	12	2	2
659582.264797	4047704.919246	31,300		-109.216732	36.561458	11/1/2012	161724	1962.88	NMEA 0183	12	2	2
659619.618395	4047624.344039	31,300		-109.216332	36.560726	11/1/2012	162745	1974.08	NMEA 0183	12	2	2
659632.019562	4047686.119330	31,300		-109.216180	36.561281	11/2/2012	104847	1971.67	NMEA 0183	12	2	2
659622.159563	4047691.587095	31,300		-109.216289	36.561332	11/2/2012	105407	1970.50	NMEA 0183	12	2	2
659612.526378	4047647.020511	31,300		-109.216406	36.560932	11/2/2012	105555	1971.67	NMEA 0183	12	2	2
659638.856662	4047631.259786	31,300		-109.216115	36.560785	11/8/2012	092539	1972.17	NMEA 0183	12	2	2
659641.492890	4047650.101135	31,300		-109.216082	36.560955	11/8/2012	092834	1971.60	NMEA 0183	12	2	2
659637.648753	4047669.987537	31,300		-109.216121	36.561134	11/8/2012	093102	1971.23	NMEA 0183	12	2	2
659657.173989	4047670.679035	31,300		-109.215903	36.561137	11/8/2012	093227	1969.84	NMEA 0183	12	2	2
659671.226092	4047680.374842	31,300		-109.215744	36.561222	11/8/2012	093413	1968.19	NMEA 0183	12	2	2
659643.063970	4047685.416052	31,300		-109.216057	36.561272	11/8/2012	093441	1970.74	NMEA 0183	12	2	2
659644.507710	4047682.877373	31,300		-109.216042	36.561249	11/8/2012	093451	1970.70	NMEA 0183	12	2	2
659668.635565	4047685.611223	31,300		-109.215772	36.561270	11/8/2012	093604	1968.30	NMEA 0183	12	2	2
659673.073256	4047695.256261	31,300		-109.215720	36.561356	11/8/2012	093836	1967.95	NMEA 0183	12	2	2
659652.423332	4047703.152128	31,300		-109.215949	36.561431	11/8/2012	093948	1969.66	NMEA 0183	12	2	2
659651.095291	4047703.395686	31,300		-109.215964	36.561433	11/8/2012	094017	1969.94	NMEA 0183	12	2	2
659674.603571	4047702.847878	31,300		-109.215701	36.561424	11/8/2012	094041	1967.81	NMEA 0183	12	2	2
659688.280046	4047700.458530	31,300		-109.215549	36.561400	11/8/2012	094053	1966.31	NMEA 0183	12	2	2
659667.213253	4047708.465003	31,300		-109.215783	36.561476	11/8/2012	094116	1967.53	NMEA 0183	12	2	2
659674.030697	4047718.039523	31,300		-109.215705	36.561561	11/8/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659656.829912	4047726.939005	31,300		-109.215895	36.561644	11/8/2012	094451	1967.62	NMEA 0183	12	2	2
659657.710397	4047730.068303	31,300		-109.215884	36.561672	11/8/2012	094456	1967.89	NMEA 0183	12	2	2
659682.164855	4047730.954908	31,300		-109.215611	36.561676	11/8/2012	094631	1965.52	NMEA 0183	12	2	2
659674.586198	4047735.223835	31,300		-109.215695	36.561716	11/8/2012	094710	1966.02	NMEA 0183	12	2	2
659690.568839	4047734.636306	31,300		-109.215516	36.561708	11/8/2012	094731	1964.79	NMEA 0183	12	2	2
659688.540477	4047735.068473	31,300		-109.215539	36.561712	11/8/2012	094733	1965.08	NMEA 0183	12	2	2
659679.816364	4047736.576805	31,300		-109.215636	36.561727	11/8/2012	094741	1965.24	NMEA 0183	12	2	2
659687.954269	4047736.585406	31,300		-109.215545	36.561726	11/8/2012	094831	1965.10	NMEA 0183	12	2	2
659674.017198	4047741.683353	31,300		-109.215700	36.561774	11/8/2012	094907	1965.53	NMEA 0183	12	2	2
659666.631289	4047757.518026	31,300		-109.215779	36.561918	11/8/2012	095216	1966.15	NMEA 0183	12	2	2
659671.520158	4047763.030072	31,300		-109.215723	36.561967	11/8/2012	095259	1965.59	NMEA 0183	12	2	2
659668.892799	4047770.413212	31,300		-109.215751	36.562034	11/8/2012	095404	1966.14	NMEA 0183	12	2	2
659680.523276	4047773.501548	31,300		-109.215621	36.562060	11/8/2012	095450	1964.55	NMEA 0183	12	2	2
659677.888148	4047780.740269	31,300		-109.215648	36.562126	11/8/2012	095523	1963.83	NMEA 0183	12	2	2
659665.782535	4047788.944483	31,300		-109.215782	36.562202	11/8/2012	095617	1964.74	NMEA 0183	12	2	2
659672.449861	4047788.513311	31,300		-109.215708	36.562197	11/8/2012	095623	1964.16	NMEA 0183	12	2	2
659641.515715	4047804.895063	31,300		-109.216050	36.562349	11/8/2012	095846	1966.65	NMEA 0183	12	2	2
659633.845234	4047808.407661	31,300		-109.216135	36.562382	11/8/2012	095927	1966.29	NMEA 0183	12	2	2
659638.863821	4047808.535914	31,300		-109.216079	36.562383	11/8/2012	095947	1966.22	NMEA 0183	12	2	2
659622.139549	4047822.887816	31,300		-109.216262	36.562515	11/8/2012	100105	1963.79	NMEA 0183	12	2	2
659632.385060	4047665.291656	31,300		-109.216181	36.561093	11/8/2012	114330	1971.84	NMEA 0183	12	2	2
659631.418710	4047637.673258	31,300		-109.216197	36.560844	11/8/2012	114404	1973.26	NMEA 0183	12	2	2
659637.853103	4047689.294273	31,300		-109.216115	36.561308	11/8/2012	114443	1971.14	NMEA 0183	12	2	2
659614.221388	4047637.853646	31,400		-109.216389	36.560849	11/1/2012	162730	1972.13	NMEA 0183	12	2	2
659623.981061	4047644.151478	31,400		-109.216279	36.560904	11/2/2012	105016	1973.55	NMEA 0183	12	2	2
659621.592469	4047643.248932	31,400		-109.216306	36.560896	11/2/2012	105042	1973.53	NMEA 0183	12	2	2
659613.107467	4047637.252194	31,400		-109.216402	36.560843	11/2/2012	105533	1972.93	NMEA 0183	12	2	2
659617.146122	4047687.718959	31,400		-109.216346	36.561298	11/2/2012	105638	1969.07	NMEA 0183	12	2	2
659617.299782	4047693.431678	31,400		-109.216343	36.561349	11/2/2012	105644	1969.16	NMEA 0183	12	2	2
659615.692157	4047693.383360	31,400		-109.216361	36.561349	11/2/2012	105702	1968.78	NMEA 0183	12	2	2
659611.716311	4047702.918539	31,400		-109.216404	36.561435	11/2/2012	110012	1968.18	NMEA 0183	12	2	2
659610.964978	4047703.524235	31,400		-109.216412	36.561441	11/2/2012	110014	1967.99	NMEA 0183	12	2	2
659632.806932	4047636.036176	31,400		-109.216182	36.560829	11/8/2012	092607	1972.74	NMEA 0183	12	2	2
659648.837954	4047634.378511	31,400		-109.216003	36.560812	11/8/2012	092624	1971.11	NMEA 0183	12	2	2
659649.051588	4047635.973173	31,400		-109.216001	36.560826	11/8/2012	092626	1971.17	NMEA 0183	12	2	2
659649.179189	4047641.400564	31,400		-109.215998	36.560875	11/8/2012	092737	1970.88	NMEA 0183	12	2	2
659652.436530	4047647.673973	31,400		-109.215960	36.560931	11/8/2012	092823	1970.45	NMEA 0183	12	2	2
659638.724399	4047653.911841	31,400		-109.216112	36.560989	11/8/2012	092847	1971.60	NMEA 0183	12	2	2
659653.529295	4047655.366596	31,400		-109.215947	36.561000	11/8/2012	092943	1970.47	NMEA 0183	12	2	2
659652.837982	4047661.583390	31,400		-109.215953	36.561056	11/8/2012	093028	1970.19	NMEA 0183	12	2	2
659637.968886	4047679.595008	31,400		-109.216115	36.561221	11/8/2012	093309	1971.34	NMEA 0183	12	2	2
659667.335344	4047674.866524	31,400		-109.215788	36.561173	11/8/2012	093342	1968.31	NMEA 0183	12	2	2
659670.765719	4047681.302222	31,400		-109.215749	36.561231	11/8/2012	093414	1968.25	NMEA 0183	12	2	2
659669.169622	4047688.271681	31,400		-109.215765	36.561294	11/8/2012	093657	1967.76	NMEA 0183	12	2	2
659678.737060	4047685.545270	31,400		-109.215659	36.561268	11/8/2012	093706	1966.95	NMEA 0183	12	2	2
659660.049638	4047695.029395	31,400		-109.215865	36.561356	11/8/2012	093752	1968.33	NMEA 0183	12	2	2
659687.805367	4047687.442979	31,400		-109.215557	36.561283	11/8/2012	093818	1966.12	NMEA 0183	12	2	2
659683.838555	4047691.823321	31,400		-109.215600	36.561323	11/8/2012	093825	1966.19	NMEA 0183	12	2	2
659674.115612	4047694.889027	31,400		-109.215708	36.561353	11/8/2012	093835	1967.84	NMEA 0183	12	2	2
659667.187376	4047696.269779	31,400		-109.215785	36.561366	11/8/2012	093842	1968.25	NMEA 0183	12	2	2
659673.712650	4047698.029654	31,400		-109.215712	36.561381	11/8/2012	093902	1967.67	NMEA 0183	12	2	2
659677.080894	4047697.198777	31,400		-109.215675	36.561373	11/8/2012	093905	1967.31	NMEA 0183	12	2	2
659662.939838	4047702.993976	31,400		-109.215832	36.561428	11/8/2012	093939	1968.87	NMEA 0183	12	2	2
659668.533435	4047704.061437	31,400		-109.215769	36.561436	11/8/2012	094036	1968.31	NMEA 0183	12	2	2
659688.917458	4047701.006758	31,400		-109.215542	36.561405	11/8/2012	094054	1966.23	NMEA 0183	12	2	2
659671.011597	4047710.348143	31,400		-109.215740	36.561492	11/8/2012	094149	1967.00	NMEA 0183	12	2	2
659685.521265	4047708.569839	31,400		-109.215578	36.561474	11/8/2012	094211	1965.60	NMEA 0183	12	2	2
659681.741539	4047709.703818	31,400		-109.215620	36.561485	11/8/2012	094310	1966.20	NMEA 0183	12	2	2
659675.060770	4047716.645505	31,400		-109.215693	36.561549	11/8/2012	094331	1966.02	NMEA 0183	12	2	2
659657.725013	4047725.742243	31,400		-109.215885	36.561633	11/8/2012	094351	1967.56	NMEA 0183	12	2	2
659672.027578	4047719.282310	31,400		-109.215727	36.561573	11/8/2012	094405	1966.14	NMEA 0183	12	2	2
659664.688810	4047729.922193	31,400		-109.215806	36.561670	11/8/2012	094550	1967.65	NMEA 0183	12	2	2
659662.926001	4047735.825010	31,400		-109.215825	36.561723	11/8/2012	094649	1967.00	NMEA 0183	12	2	2
659663.491633	4047738.874481	31,400		-109.215818	36.561751	11/8/2012	094700	1966.59	NMEA 0183	12	2	2
659685.728567	4047737.198876	31,400		-109.215570	36.561732	11/8/2012	094829	1965.28	NMEA 0183	12	2	2
659674.401436	4047755.794067	31,400		-109.215693	36.561901	11/8/2012	095209	1965.14	NMEA 0183	12	2	2
659664.121560	4047760.652854	31,400		-109.215806	36.561947	11/8/2012	095228	1966.46	NMEA 0183	12	2	2
659680.371505	4047756.513391	31,400		-109.215626	36.561907	11/8/2012	095243	1964.73	NMEA 0183	12	2	2
659672.839756	4047762.758615	31,400		-109.215709	36.561964	11/8/2012	095257	1965.42	NMEA 0183	12	2	2
659670.562301	4047763.347084	31,400		-109.215734	36.561970	11/8/2012	095300	1965.50	NMEA 0183	12	2	2
659665.759922	4047764.512032	31,400		-109.215787	36.561981	11/8/2012	095304	1965.67	NMEA 0183	12	2	2
659659.647486	4047765.434415	31,400		-109.215855	36.561991	11/8/2012	095310	1966.71	NMEA 0183	12	2	2
659675.023570	4047764.643242	31,400		-109.215684	36.561981	11/8/2012	095328	1965.12	NMEA 0183	12	2	2
659667.180639	4047768.842531	31,400		-109.215771	36.562020	11/8/2012	095347	1966.57	NMEA 0183	12	2	2
659661.795312	4047769.097734	31,400		-109.215831	36.562023	11/8/2012	095352	1966.99	NMEA 0183	12	2	2
659666.586596	4047770.862424	31,400		-109.215777	36.562038	11/8/2012	095402	1966.12	NMEA 0183	12	2	2
659677.371116	4047778.851429	31,400		-109.215655	36.562109	11/8/2012	095519	1964.43	NMEA 0183	12	2	2
659623.753138	4047804.275128	31,400		-109.216248	36.562347	11/8/2012	095809	1968.11	NMEA 0183	12	2	2
659610.211451	4047823.700495	31,400		-109.216395	36.562524	11/8/2012	100049	1963.59	NMEA 0183	12	2	2
659612.205452	4047825.441012	31,400		-109.216373	36.562539	11/8/2012	1					



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659618.647298	4047826.625911	31,400		-109.216301	36.562549	11/8/2012	100125	1962.99	NMEA 0183	12	2	2
659629.059446	4047826.132853	31,400		-109.216184	36.562543	11/8/2012	100207	1963.66	NMEA 0183	12	2	2
659632.885667	4047682.946601	31,400		-109.216171	36.561252	11/8/2012	114249	1970.91	NMEA 0183	12	2	2
659634.274593	4047659.796258	31,400		-109.216161	36.561043	11/8/2012	114421	1972.38	NMEA 0183	12	2	2
659603.472030	4047831.800874	31,500		-109.216469	36.562598	10/27/2012	115236	1962.56	NMEA 0183	12	2	2
659608.307998	4047830.913964	31,500		-109.216415	36.562589	10/27/2012	120441	1962.62	NMEA 0183	12	2	2
659587.764362	4047694.001033	31,500		-109.216673	36.561359	11/1/2012	162055	1963.69	NMEA 0183	12	2	2
659631.322282	4047692.256479	31,500		-109.216187	36.561336	11/2/2012	104924	1971.59	NMEA 0183	12	2	2
659616.505694	4047637.379967	31,500		-109.216364	36.560844	11/2/2012	105309	1973.27	NMEA 0183	12	2	2
659616.430248	4047639.034004	31,500		-109.216364	36.560859	11/2/2012	105311	1973.14	NMEA 0183	12	2	2
659606.839596	4047638.586057	31,500		-109.216471	36.560857	11/2/2012	111552	1971.70	NMEA 0183	12	2	2
659649.042061	4047635.199843	31,500		-109.216001	36.560819	11/8/2012	092625	1971.14	NMEA 0183	12	2	2
659634.585331	4047639.185828	31,500		-109.216161	36.560857	11/8/2012	092641	1972.52	NMEA 0183	12	2	2
659649.423952	4047645.740684	31,500		-109.215994	36.560914	11/8/2012	092817	1970.69	NMEA 0183	12	2	2
659650.411739	4047645.500060	31,500		-109.215983	36.560912	11/8/2012	092818	1970.59	NMEA 0183	12	2	2
659645.423247	4047652.269707	31,500		-109.216038	36.560973	11/8/2012	092853	1971.22	NMEA 0183	12	2	2
659636.536364	4047662.065196	31,500		-109.216135	36.561063	11/8/2012	093009	1971.82	NMEA 0183	12	2	2
659635.787964	4047664.281990	31,500		-109.216143	36.561083	11/8/2012	093012	1971.77	NMEA 0183	12	2	2
659644.693882	4047673.003697	31,500		-109.216042	36.561160	11/8/2012	093129	1970.34	NMEA 0183	12	2	2
659650.264173	4047677.339044	31,500		-109.215978	36.561198	11/8/2012	093321	1969.96	NMEA 0183	12	2	2
659655.588276	4047675.641818	31,500		-109.215919	36.561182	11/8/2012	093326	1969.62	NMEA 0183	12	2	2
659658.354896	4047674.022918	31,500		-109.215889	36.561167	11/8/2012	093329	1969.34	NMEA 0183	12	2	2
659663.189983	4047681.391006	31,500		-109.215833	36.561233	11/8/2012	093422	1969.09	NMEA 0183	12	2	2
659642.219660	4047691.998088	31,500		-109.216065	36.561332	11/8/2012	093628	1970.69	NMEA 0183	12	2	2
659674.507782	4047686.620969	31,500		-109.215706	36.561278	11/8/2012	093702	1967.33	NMEA 0183	12	2	2
659678.516444	4047687.784801	31,500		-109.215661	36.561288	11/8/2012	093725	1966.58	NMEA 0183	12	2	2
659668.024628	4047695.617591	31,500		-109.215776	36.561360	11/8/2012	093841	1968.19	NMEA 0183	12	2	2
659667.251706	4047702.452503	31,500		-109.215783	36.561422	11/8/2012	093935	1968.26	NMEA 0183	12	2	2
659667.319907	4047704.164695	31,500		-109.215782	36.561437	11/8/2012	094035	1968.52	NMEA 0183	12	2	2
659660.459805	4047709.754671	31,500		-109.215858	36.561489	11/8/2012	094122	1968.08	NMEA 0183	12	2	2
659680.628733	4047710.249160	31,500		-109.215632	36.561490	11/8/2012	094216	1966.50	NMEA 0183	12	2	2
659678.409419	4047710.920091	31,500		-109.215657	36.561496	11/8/2012	094218	1966.68	NMEA 0183	12	2	2
659658.900555	4047726.318950	31,500		-109.215872	36.561638	11/8/2012	094449	1967.50	NMEA 0183	12	2	2
659657.820451	4047726.629996	31,500		-109.215884	36.561641	11/8/2012	094450	1967.57	NMEA 0183	12	2	2
659680.542252	4047725.442433	31,500		-109.215630	36.561627	11/8/2012	094532	1965.41	NMEA 0183	12	2	2
659663.672603	4047730.408291	31,500		-109.215818	36.561674	11/8/2012	094551	1967.68	NMEA 0183	12	2	2
659684.230645	4047730.516035	31,500		-109.215588	36.561672	11/8/2012	094629	1965.51	NMEA 0183	12	2	2
659659.229098	4047738.849028	31,500		-109.215866	36.561751	11/8/2012	094655	1967.41	NMEA 0183	12	2	2
659679.239933	4047733.787933	31,500		-109.215643	36.561702	11/8/2012	094714	1965.65	NMEA 0183	12	2	2
659678.527366	4047736.887671	31,500		-109.215650	36.561730	11/8/2012	094742	1965.25	NMEA 0183	12	2	2
659660.625483	4047741.033480	31,500		-109.215849	36.561771	11/8/2012	094759	1967.28	NMEA 0183	12	2	2
659678.482831	4047738.965852	31,500		-109.215650	36.561749	11/8/2012	094822	1964.85	NMEA 0183	12	2	2
659693.913323	4047735.245873	31,500		-109.215479	36.561713	11/8/2012	094837	1964.39	NMEA 0183	12	2	2
659682.689105	4047739.691288	31,500		-109.215603	36.561755	11/8/2012	094859	1964.72	NMEA 0183	12	2	2
659668.287892	4047743.347151	31,500		-109.215763	36.561790	11/8/2012	094912	1965.61	NMEA 0183	12	2	2
659693.320740	4047754.552626	31,500		-109.215481	36.561887	11/8/2012	095152	1963.81	NMEA 0183	12	2	2
659668.781083	4047757.054814	31,500		-109.215755	36.561914	11/8/2012	095214	1965.82	NMEA 0183	12	2	2
659669.452778	4047759.373792	31,500		-109.215747	36.561934	11/8/2012	095233	1965.49	NMEA 0183	12	2	2
659674.314796	4047768.986016	31,500		-109.215691	36.562020	11/8/2012	095409	1965.68	NMEA 0183	12	2	2
659674.504444	4047773.963245	31,500		-109.215688	36.562065	11/8/2012	095444	1965.56	NMEA 0183	12	2	2
659678.804896	4047773.231054	31,500		-109.215640	36.562058	11/8/2012	095448	1964.91	NMEA 0183	12	2	2
659665.821711	4047793.426913	31,500		-109.215781	36.562242	11/8/2012	095643	1964.82	NMEA 0183	12	2	2
659618.849763	4047823.594391	31,500		-109.216299	36.562522	11/8/2012	100102	1963.54	NMEA 0183	12	2	2
659619.760820	4047826.443106	31,500		-109.216288	36.562547	11/8/2012	100124	1963.09	NMEA 0183	12	2	2
659638.229024	4047691.953645	31,500		-109.216110	36.561332	11/8/2012	114445	1971.05	NMEA 0183	12	2	2
659601.731948	4047833.022659	31,500		-109.216488	36.562609	10/27/2012	115232	1962.45	NMEA 0183	12	2	2
659549.464969	4047536.279890	31,500		-109.217121	36.560503	10/27/2012	115618	1966.12	NMEA 0183	12	2	2
659557.473368	4047612.441320	31,500		-109.217028	36.560629	10/27/2012	115645	1965.81	NMEA 0183	12	2	2
659560.783621	4047623.509961	31,500		-109.216989	36.560728	10/27/2012	115655	1965.50	NMEA 0183	12	2	2
659566.888074	4047639.598575	31,500		-109.216918	36.560872	11/1/2012	161615	1963.95	NMEA 0183	12	2	2
659568.854638	4047635.660148	31,500		-109.216896	36.560837	11/1/2012	161934	1964.11	NMEA 0183	12	2	2
659590.039820	4047703.979551	31,500		-109.216646	36.561449	11/1/2012	162104	1963.61	NMEA 0183	12	2	2
659630.791122	4047677.133138	31,500		-109.216196	36.561200	11/2/2012	104837	1971.83	NMEA 0183	12	2	2
659631.629105	4047682.634745	31,500		-109.216185	36.561249	11/2/2012	104843	1971.71	NMEA 0183	12	2	2
659627.609091	4047702.673258	31,500		-109.216226	36.561431	11/2/2012	105150	1971.40	NMEA 0183	12	2	2
659608.868965	4047644.294724	31,500		-109.216448	36.560908	11/2/2012	105834	1971.37	NMEA 0183	12	2	2
659595.280130	4047636.967770	31,500		-109.216601	36.560844	11/2/2012	110358	1969.60	NMEA 0183	12	2	2
659603.727158	4047689.016355	31,500		-109.216496	36.561311	11/2/2012	110504	1966.28	NMEA 0183	12	2	2
659578.650384	4047625.370944	31,500		-109.216789	36.560742	11/2/2012	111015	1967.01	NMEA 0183	12	2	2
659573.816656	4047629.269146	31,500		-109.216842	36.560778	11/2/2012	111303	1965.96	NMEA 0183	12	2	2
659586.963665	4047643.444519	31,500		-109.216692	36.560904	11/2/2012	111522	1966.61	NMEA 0183	12	2	2
659587.790010	4047643.702149	31,500		-109.216683	36.560906	11/2/2012	111523	1966.69	NMEA 0183	12	2	2
659634.149587	4047641.600785	31,500		-109.216166	36.560879	11/8/2012	092645	1972.30	NMEA 0183	12	2	2
659649.545715	4047662.339851	31,500		-109.215990	36.561063	11/8/2012	093025	1970.55	NMEA 0183	12	2	2
659649.696937	4047684.187022	31,500		-109.215983	36.561260	11/8/2012	093435	1970.20	NMEA 0183	12	2	2
659631.511731	4047802.125499	31,500		-109.216162	36.562326	11/8/2012	095802	1967.83	NMEA 0183	12	2	2
659635.204077	4047809.237469	31,500		-109.216119	36.562389	11/8/2012	095951	1966.22	NMEA 0183	12	2	2
659568.937989	4047705.996445	31,500		-109.216881	36.561470	10/27/2012	114652	1963.11	NMEA 0183	12	2	2
659547.354353	4047597.996602	31,500		-109.217144	36.560501	10/27/2012	114852	1966.17	NMEA 0183	12	2	2
659572.511444	4047706.811822	31,500		-109.216841	36.561477	10/27/2						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659580.029223	4047722.558582	31,500		-109.216754	36.561618	10/27/2012	115444	1963.94	NMEA 0183	12	2	2
659562.706457	4047633.034315	31,500		-109.216966	36.560814	10/27/2012	115702	1965.18	NMEA 0183	12	2	2
659558.760250	4047617.797720	31,500		-109.217013	36.560677	11/1/2012	161541	1964.42	NMEA 0183	12	2	2
659566.082023	4047635.993460	31,500		-109.216927	36.560840	11/1/2012	161611	1964.09	NMEA 0183	12	2	2
659578.383947	4047654.542366	31,500		-109.216786	36.561005	11/1/2012	162018	1964.07	NMEA 0183	12	2	2
659626.793601	4047662.981295	31,500		-109.216244	36.561073	11/2/2012	104956	1972.49	NMEA 0183	12	2	2
659626.768135	4047695.723321	31,500		-109.216237	36.561368	11/2/2012	105158	1971.33	NMEA 0183	12	2	2
659621.498275	4047698.277958	31,500		-109.216295	36.561392	11/2/2012	105429	1970.35	NMEA 0183	12	2	2
659612.375427	4047665.133178	31,500		-109.216404	36.561095	11/2/2012	105731	1969.67	NMEA 0183	12	2	2
659607.744346	4047653.762565	31,500		-109.216458	36.560993	11/2/2012	105916	1969.97	NMEA 0183	12	2	2
659601.802043	4047641.083978	31,500		-109.216527	36.560880	11/2/2012	110126	1970.58	NMEA 0183	12	2	2
659606.277131	4047674.138832	31,500		-109.216470	36.561177	11/2/2012	110220	1967.74	NMEA 0183	12	2	2
659588.568967	4047642.974886	31,500		-109.216675	36.560899	11/2/2012	110854	1967.21	NMEA 0183	12	2	2
659580.338397	4047630.096658	31,500		-109.216769	36.560784	11/2/2012	111008	1966.37	NMEA 0183	12	2	2
659560.109259	4047598.640028	31,500		-109.217002	36.560504	11/2/2012	111121	1967.07	NMEA 0183	12	2	2
659563.630399	4047608.314245	31,500		-109.216960	36.560591	11/2/2012	111331	1966.26	NMEA 0183	12	2	2
659533.576858	4047586.110571	31,500		-109.217301	36.560396	10/27/2012	113539	1964.93	NMEA 0183	12	2	2
659534.791018	4047582.996078	31,500		-109.217288	36.560368	10/27/2012	113555	1965.52	NMEA 0183	12	2	2
659565.205016	4047690.046133	31,500		-109.216926	36.561327	10/27/2012	114704	1963.04	NMEA 0183	12	2	2
659539.869169	4047585.069351	31,500		-109.217231	36.560386	10/27/2012	114831	1966.80	NMEA 0183	12	2	2
659580.752946	4047724.889615	31,500		-109.216745	36.561639	10/27/2012	115442	1964.06	NMEA 0183	12	2	2
659577.746801	4047710.541624	31,500		-109.216782	36.561510	10/27/2012	115453	1963.46	NMEA 0183	12	2	2
659562.228245	4047625.107101	31,500		-109.216973	36.560743	11/1/2012	161551	1964.19	NMEA 0183	12	2	2
659587.232851	4047691.845582	31,500		-109.216679	36.561340	11/1/2012	162053	1963.74	NMEA 0183	12	2	2
659595.335796	4047707.658698	31,500		-109.216586	36.561481	11/1/2012	162422	1964.23	NMEA 0183	12	2	2
659616.506344	4047629.944388	31,500		-109.216365	36.560777	11/1/2012	162739	1973.67	NMEA 0183	12	2	2
659625.064025	4047636.608351	31,500		-109.216268	36.560836	11/2/2012	104752	1974.62	NMEA 0183	12	2	2
659631.296137	4047694.630945	31,500		-109.216187	36.561357	11/2/2012	104921	1971.58	NMEA 0183	12	2	2
659621.165697	4047652.339441	31,500		-109.216309	36.560978	11/2/2012	105241	1972.40	NMEA 0183	12	2	2
659610.470762	4047689.383745	31,500		-109.216420	36.561314	11/2/2012	110031	1967.70	NMEA 0183	12	2	2
659599.863006	4047635.733971	31,500		-109.216550	36.560832	11/2/2012	110133	1970.59	NMEA 0183	12	2	2
659607.052958	4047694.334748	31,500		-109.216458	36.561359	11/2/2012	110257	1966.88	NMEA 0183	12	2	2
659596.357645	4047640.899763	31,500		-109.216588	36.560879	11/2/2012	110353	1969.27	NMEA 0183	12	2	2
659592.997833	4047636.609150	31,500		-109.216627	36.560841	11/2/2012	110403	1969.17	NMEA 0183	12	2	2
659600.564678	4047706.427635	31,500		-109.216528	36.561469	11/2/2012	110741	1965.64	NMEA 0183	12	2	2
659578.684623	4047624.248842	31,500		-109.216789	36.560732	11/2/2012	111017	1967.21	NMEA 0183	12	2	2
659572.096536	4047615.653426	31,500		-109.216864	36.560656	11/2/2012	111032	1966.59	NMEA 0183	12	2	2
659571.635997	4047614.980862	31,500		-109.216870	36.560650	11/2/2012	111033	1966.61	NMEA 0183	12	2	2
659558.667543	4047590.206641	31,500		-109.217020	36.560429	11/2/2012	111107	1967.49	NMEA 0183	12	2	2
659569.784435	4047616.418847	31,500		-109.216890	36.560663	11/2/2012	111142	1966.50	NMEA 0183	12	2	2
659664.568461	4047671.996316	31,500		-109.215820	36.561148	11/8/2012	093243	1969.12	NMEA 0183	12	2	2
659680.798777	4047682.592645	31,500		-109.215636	36.561241	11/8/2012	093553	1966.82	NMEA 0183	12	2	2
659655.389390	4047714.266219	31,500		-109.215914	36.561530	11/8/2012	094134	1967.54	NMEA 0183	12	2	2
659630.847500	4047809.698590	31,500		-109.216168	36.562394	11/8/2012	095924	1966.52	NMEA 0183	12	2	2
659626.919223	4047812.006212	31,500		-109.216211	36.562416	11/8/2012	095959	1966.37	NMEA 0183	12	2	2
659630.536418	4047652.013870	31,500		-109.216204	36.560974	11/8/2012	114340	1972.77	NMEA 0183	12	2	2
659608.190916	4047831.032019	31,600		-109.216417	36.562590	10/27/2012	120439	1962.53	NMEA 0183	12	2	2
659608.323017	4047830.908694	31,600		-109.216415	36.562589	10/27/2012	120443	1962.65	NMEA 0183	12	2	2
659591.859064	4047711.926093	31,600		-109.216624	36.561520	11/1/2012	162112	1964.12	NMEA 0183	12	2	2
659613.586309	4047638.868421	31,600		-109.216396	36.560858	11/1/2012	162728	1972.07	NMEA 0183	12	2	2
659613.833235	4047638.588156	31,600		-109.216393	36.560855	11/1/2012	162729	1972.06	NMEA 0183	12	2	2
659632.101063	4047687.034569	31,600		-109.216179	36.561289	11/2/2012	104848	1971.63	NMEA 0183	12	2	2
659623.434081	4047640.497522	31,600		-109.216286	36.560871	11/2/2012	105020	1973.74	NMEA 0183	12	2	2
659619.766620	4047662.364483	31,600		-109.216322	36.561069	11/2/2012	105336	1971.29	NMEA 0183	12	2	2
659620.816720	4047692.708967	31,600		-109.216304	36.561342	11/2/2012	105435	1970.12	NMEA 0183	12	2	2
659620.524458	4047690.848347	31,600		-109.216308	36.561325	11/2/2012	105437	1970.05	NMEA 0183	12	2	2
659610.940499	4047634.215567	31,600		-109.216427	36.560816	11/2/2012	105539	1972.91	NMEA 0183	12	2	2
659647.834920	4047630.856665	31,600		-109.216015	36.560780	11/8/2012	092549	1971.27	NMEA 0183	12	2	2
659643.556254	4047637.086438	31,600		-109.216062	36.560837	11/8/2012	092632	1971.64	NMEA 0183	12	2	2
659639.275194	4047650.603788	31,600		-109.216107	36.560959	11/8/2012	092836	1971.76	NMEA 0183	12	2	2
659646.151666	4047657.724892	31,600		-109.216028	36.561022	11/8/2012	092936	1970.89	NMEA 0183	12	2	2
659658.886898	4047662.640795	31,600		-109.215885	36.561065	11/8/2012	093040	1969.47	NMEA 0183	12	2	2
659642.813290	4047670.296063	31,600		-109.216063	36.561136	11/8/2012	093112	1970.83	NMEA 0183	12	2	2
659682.593436	4047682.934841	31,600		-109.215616	36.561243	11/8/2012	093711	1966.61	NMEA 0183	12	2	2
659670.858843	4047691.240271	31,600		-109.215746	36.561320	11/8/2012	093802	1967.06	NMEA 0183	12	2	2
659668.084968	4047699.763777	31,600		-109.215775	36.561398	11/8/2012	093857	1968.43	NMEA 0183	12	2	2
659684.775743	4047695.595504	31,600		-109.215589	36.561357	11/8/2012	093912	1966.44	NMEA 0183	12	2	2
659678.306126	4047706.194167	31,600		-109.215659	36.561454	11/8/2012	094106	1967.07	NMEA 0183	12	2	2
659652.633995	4047712.385790	31,600		-109.215945	36.561514	11/8/2012	094130	1967.95	NMEA 0183	12	2	2
659664.758328	4047711.138435	31,600		-109.215810	36.561501	11/8/2012	094143	1967.35	NMEA 0183	12	2	2
659684.511007	4047708.815591	31,600		-109.215589	36.561476	11/8/2012	094212	1965.78	NMEA 0183	12	2	2
659681.661454	4047709.757821	31,600		-109.215621	36.561485	11/8/2012	094215	1966.22	NMEA 0183	12	2	2
659666.617892	4047716.265028	31,600		-109.215788	36.561546	11/8/2012	094255	1966.67	NMEA 0183	12	2	2
659660.016898	4047730.005671	31,600		-109.215859	36.561671	11/8/2012	094458	1967.69	NMEA 0183	12	2	2
659671.019649	4047727.363225	31,600		-109.215736	36.561646	11/8/2012	094543	1966.68	NMEA 0183	12	2	2
659666.400876	4047733.026231	31,600		-109.215787	36.561698	11/8/2012	094602	1967.14	NMEA 0183	12	2	2
659678.256937	4047732.806023	31,600		-109.215654	36.561694	11/8/2012	094635	1965.95	NMEA 0183	12	2	2
659667.975116	4047737.285592	31,600		-109.215768	36.561736	11/8/2012	094704	1966.58	NMEA 0183	12	2	2
659686.541549	4047731.985002	31,600		-109.215562	36.561685	11/8/2012	094721	1965.25	NMEA 0183	12	2	2
659688.548091	4047731.200996	31,600		-109.215540	36.561677	11/8/						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659691.464396	4047734.299643	31,600		-109.215506	36.561705	11/8/2012	094730	1964.75	NMEA 0183	12	2	2
659689.026625	4047736.209482	31,600		-109.215533	36.561722	11/8/2012	094832	1964.97	NMEA 0183	12	2	2
659691.021760	4047735.798894	31,600		-109.215511	36.561718	11/8/2012	094834	1964.80	NMEA 0183	12	2	2
659698.755299	4047735.968318	31,600		-109.215425	36.561719	11/8/2012	094843	1964.09	NMEA 0183	12	2	2
659675.940047	4047741.308413	31,600		-109.215678	36.561771	11/8/2012	094905	1965.17	NMEA 0183	12	2	2
659674.970188	4047741.467981	31,600		-109.215689	36.561772	11/8/2012	094906	1965.45	NMEA 0183	12	2	2
659663.872481	4047744.645058	31,600		-109.215812	36.561803	11/8/2012	094916	1966.03	NMEA 0183	12	2	2
659667.657400	4047766.308109	31,600		-109.215766	36.561997	11/8/2012	095321	1966.07	NMEA 0183	12	2	2
659661.061273	4047771.988064	31,600		-109.215838	36.562050	11/8/2012	095357	1966.46	NMEA 0183	12	2	2
659672.341044	4047774.194997	31,600		-109.215712	36.562068	11/8/2012	095442	1965.68	NMEA 0183	12	2	2
659666.645353	4047778.310207	31,600		-109.215775	36.562106	11/8/2012	095506	1965.58	NMEA 0183	12	2	2
659667.851183	4047789.154887	31,600		-109.215759	36.562203	11/8/2012	095619	1964.39	NMEA 0183	12	2	2
659665.043916	4047793.529008	31,600		-109.215789	36.562243	11/8/2012	095642	1964.76	NMEA 0183	12	2	2
659639.956377	4047808.437807	31,600		-109.216066	36.562381	11/8/2012	095946	1966.15	NMEA 0183	12	2	2
659622.145236	4047818.398821	31,600		-109.216263	36.562474	11/8/2012	100014	1964.73	NMEA 0183	12	2	2
659631.303408	4047657.240411	31,600		-109.216194	36.561021	11/8/2012	114336	1972.23	NMEA 0183	12	2	2
659630.877597	4047633.864039	31,600		-109.216204	36.560810	11/8/2012	114401	1973.75	NMEA 0183	12	2	2
659619.021676	4047656.270866	31,600		-109.216332	36.561014	11/2/2012	105330	1971.73	NMEA 0183	12	2	2
659620.297850	4047668.154492	31,600		-109.216315	36.561121	11/2/2012	105342	1971.06	NMEA 0183	12	2	2
659607.435084	4047653.059510	31,600		-109.216462	36.560987	11/2/2012	105913	1970.10	NMEA 0183	12	2	2
659609.454829	4047663.630728	31,600		-109.216437	36.561082	11/2/2012	105928	1969.25	NMEA 0183	12	2	2
659599.467176	4047642.433457	31,600		-109.216553	36.560892	11/2/2012	110143	1970.02	NMEA 0183	12	2	2
659599.842749	4047665.707161	31,600		-109.216544	36.561102	11/2/2012	110442	1967.07	NMEA 0183	12	2	2
659599.168032	4047652.510863	31,600		-109.216546	36.561344	11/2/2012	110727	1965.30	NMEA 0183	12	2	2
659600.413019	4047704.628812	31,600		-109.216530	36.561453	11/2/2012	110739	1965.58	NMEA 0183	12	2	2
659587.063295	4047643.302094	31,600		-109.216691	36.560902	11/2/2012	110908	1966.96	NMEA 0183	12	2	2
659579.218884	4047627.221888	31,600		-109.216782	36.560759	11/2/2012	111012	1966.65	NMEA 0183	12	2	2
659557.177806	4047589.674064	31,600		-109.217036	36.560424	11/2/2012	111109	1967.39	NMEA 0183	12	2	2
659583.178852	4047643.243001	31,600		-109.216735	36.560902	11/2/2012	111221	1966.43	NMEA 0183	12	2	2
659566.205784	4047617.893242	31,600		-109.216930	36.560677	11/2/2012	111433	1966.14	NMEA 0183	12	2	2
659581.301216	4047641.500953	31,600		-109.216756	36.560887	11/2/2012	111516	1966.11	NMEA 0183	12	2	2
659651.810720	4047674.567369	31,600		-109.215962	36.561173	11/8/2012	093254	1970.24	NMEA 0183	12	2	2
659675.593232	4047780.902993	31,600		-109.215674	36.562127	11/8/2012	095525	1963.87	NMEA 0183	12	2	2
659542.292743	4047589.398071	31,600		-109.217203	36.560424	10/27/2012	114836	1966.63	NMEA 0183	12	2	2
659562.094180	4047630.244789	31,600		-109.216973	36.560789	10/27/2012	115700	1965.31	NMEA 0183	12	2	2
659563.346234	4047626.213576	31,600		-109.216960	36.560752	11/1/2012	161555	1964.10	NMEA 0183	12	2	2
659563.961612	4047627.146112	31,600		-109.216953	36.560761	11/1/2012	161559	1964.18	NMEA 0183	12	2	2
659596.557305	4047690.794056	31,600		-109.216576	36.561329	11/1/2012	162501	1964.55	NMEA 0183	12	2	2
659630.638398	4047687.135060	31,600		-109.216196	36.561290	11/2/2012	104930	1971.53	NMEA 0183	12	2	2
659625.541334	4047654.555107	31,600		-109.216259	36.560997	11/2/2012	105005	1972.97	NMEA 0183	12	2	2
659612.761935	4047667.946265	31,600		-109.216399	36.561120	11/2/2012	105728	1969.33	NMEA 0183	12	2	2
659610.932013	4047656.392705	31,600		-109.216422	36.561016	11/2/2012	105740	1970.15	NMEA 0183	12	2	2
659609.279931	4047698.559963	31,600		-109.216432	36.561397	11/2/2012	110244	1967.32	NMEA 0183	12	2	2
659585.915541	4047648.789063	31,600		-109.216703	36.560952	11/2/2012	110946	1966.53	NMEA 0183	12	2	2
659566.504538	4047606.449456	31,600		-109.216929	36.560574	11/2/2012	111045	1966.59	NMEA 0183	12	2	2
659578.743071	4047632.602941	31,600		-109.216787	36.560807	11/2/2012	111207	1966.06	NMEA 0183	12	2	2
659582.645618	4047646.329424	31,600		-109.216740	36.560930	11/2/2012	111243	1966.33	NMEA 0183	12	2	2
659572.068806	4047628.735478	31,600		-109.216862	36.560774	11/2/2012	111450	1965.87	NMEA 0183	12	2	2
659576.539555	4047635.639892	31,600		-109.216811	36.560835	11/2/2012	111508	1965.88	NMEA 0183	12	2	2
659593.979624	4047642.564733	31,600		-109.216614	36.560895	11/2/2012	111532	1968.48	NMEA 0183	12	2	2
659597.180357	4047640.387872	31,600		-109.216579	36.560874	11/2/2012	111539	1969.68	NMEA 0183	12	2	2
659640.736018	4047630.978362	31,600		-109.216094	36.560782	11/8/2012	092541	1972.15	NMEA 0183	12	2	2
659633.833300	4047643.126427	31,600		-109.216169	36.560893	11/8/2012	092719	1972.47	NMEA 0183	12	2	2
659658.680603	4047714.208909	31,600		-109.215877	36.561529	11/8/2012	094237	1967.39	NMEA 0183	12	2	2
659670.514164	4047791.832657	31,600		-109.215729	36.562227	11/8/2012	095635	1964.14	NMEA 0183	12	2	2
659628.912385	4047639.095384	31,600		-109.216225	36.560857	11/8/2012	114350	1973.43	NMEA 0183	12	2	2
659534.218349	4047589.337153	31,600		-109.217293	36.560425	10/27/2012	113536	1965.06	NMEA 0183	12	2	2
659543.978057	4047601.594456	31,600		-109.217181	36.560534	10/27/2012	114813	1965.77	NMEA 0183	12	2	2
659547.488361	4047598.172954	31,600		-109.217143	36.560502	10/27/2012	114847	1966.20	NMEA 0183	12	2	2
659547.506655	4047598.071562	31,600		-109.217143	36.560501	10/27/2012	114857	1966.23	NMEA 0183	12	2	2
659567.803244	4047684.149544	31,600		-109.216898	36.561274	10/27/2012	115007	1963.52	NMEA 0183	12	2	2
659581.900130	4047644.608373	31,600		-109.216749	36.560915	11/2/2012	111245	1966.33	NMEA 0183	12	2	2
659580.476602	4047641.874086	31,600		-109.216765	36.560891	11/2/2012	111248	1966.25	NMEA 0183	12	2	2
659572.008849	4047628.025951	31,600		-109.216863	36.560767	11/2/2012	111449	1965.96	NMEA 0183	12	2	2
659580.514545	4047640.874130	31,600		-109.216765	36.560882	11/2/2012	111515	1966.11	NMEA 0183	12	2	2
659645.210214	4047691.176838	31,600		-109.216032	36.561324	11/8/2012	093625	1970.56	NMEA 0183	12	2	2
659671.387205	4047781.291053	31,600		-109.215721	36.562132	11/8/2012	095529	1964.45	NMEA 0183	12	2	2
659574.001465	4047728.086374	31,600		-109.216820	36.561668	10/27/2012	114635	1963.28	NMEA 0183	12	2	2
659548.515183	4047596.229516	31,600		-109.217132	36.560485	10/27/2012	115620	1966.22	NMEA 0183	12	2	2
659594.228049	4047672.372739	31,600		-109.216605	36.561163	11/1/2012	162548	1965.27	NMEA 0183	12	2	2
659610.960260	4047696.136647	31,600		-109.216414	36.561374	11/2/2012	110024	1967.77	NMEA 0183	12	2	2
659602.930012	4047662.729149	31,600		-109.216510	36.561075	11/2/2012	110208	1968.25	NMEA 0183	12	2	2
659600.315980	4047703.746579	31,600		-109.216531	36.561445	11/2/2012	110738	1965.62	NMEA 0183	12	2	2
659561.314105	4047605.121342	31,600		-109.216987	36.560563	11/2/2012	111335	1966.19	NMEA 0183	12	2	2
659571.355495	4047626.003266	31,600		-109.216870	36.560749	11/2/2012	111445	1966.43	NMEA 0183	12	2	2
659579.847615	4047640.227332	31,600		-109.216773	36.560876	11/2/2012	111514	1966.09	NMEA 0183	12	2	2
659626.130609	4047658.261638	31,600		-109.216252	36.561031	11/2/2012	105001	1972.70	NMEA 0183	12	2	2
659622.782773	4047652.924333	31,600		-109.216290	36.560983	11/2/2012	105052	1972.78	NMEA 0183	12	2	2
659625.386535	4047671.827962	31,600		-109.216257	36.561153	11/2/2012	105111	1971.83	NMEA 0183	12	2	2
659627.955844	4047695.403169	31,600		-109.216224	36.561365	11/2/2						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659624.305897	4047674.741460	31,600		-109.216269	36.561179	11/2/2012	105219	1971.24	NMEA 0183	12	2	2
659610.554978	4047672.938224	31,600		-109.216423	36.561165	11/2/2012	105938	1968.46	NMEA 0183	12	2	2
659598.804046	4047637.961653	31,600		-109.216561	36.560852	11/2/2012	110138	1970.20	NMEA 0183	12	2	2
659603.479422	4047664.563094	31,600		-109.216504	36.561091	11/2/2012	110210	1968.12	NMEA 0183	12	2	2
659598.530728	4047700.001220	31,600		-109.216552	36.561411	11/2/2012	110757	1965.39	NMEA 0183	12	2	2
659556.282708	4047591.353594	31,600		-109.217046	36.560439	11/2/2012	111112	1967.17	NMEA 0183	12	2	2
659572.177880	4047624.141123	31,600		-109.216862	36.560732	11/2/2012	111311	1966.45	NMEA 0183	12	2	2
659561.859274	4047606.058125	31,600		-109.216981	36.560571	11/2/2012	111334	1966.20	NMEA 0183	12	2	2
659561.681352	4047610.825070	31,600		-109.216982	36.560614	11/2/2012	111422	1965.98	NMEA 0183	12	2	2
659643.949585	4047798.690253	31,600		-109.216024	36.562293	11/8/2012	095747	1968.21	NMEA 0183	12	2	2
659594.761436	4047834.356438	31,600		-109.216566	36.562623	10/27/2012	112945	1961.34	NMEA 0183	12	2	2
659536.095079	4047587.668421	31,600		-109.217272	36.560410	10/27/2012	113559	1965.44	NMEA 0183	12	2	2
659543.635969	4047600.247118	31,600		-109.217185	36.560522	10/27/2012	114814	1965.75	NMEA 0183	12	2	2
659563.819086	4047638.211768	31,600		-109.216952	36.560860	10/27/2012	115706	1965.13	NMEA 0183	12	2	2
659573.166924	4047663.581032	31,600		-109.216842	36.561087	11/1/2012	161641	1963.68	NMEA 0183	12	2	2
659586.015777	4047675.727362	31,600		-109.216696	36.561195	11/1/2012	162226	1964.32	NMEA 0183	12	2	2
659594.204149	4047672.374145	31,600		-109.216606	36.561163	11/1/2012	162538	1965.23	NMEA 0183	12	2	2
659614.161682	4047659.654356	31,600		-109.216385	36.561045	11/2/2012	105609	1970.60	NMEA 0183	12	2	2
659590.492834	4047637.557802	31,600		-109.216654	36.560850	11/2/2012	110630	1968.60	NMEA 0183	12	2	2
659595.204188	4047672.840308	31,600		-109.216594	36.561167	11/2/2012	110824	1966.28	NMEA 0183	12	2	2
659608.269800	4047830.881811	31,700		-109.216416	36.562589	10/27/2012	120442	1962.64	NMEA 0183	12	2	2
659581.740898	4047702.836073	31,700		-109.216739	36.561440	11/1/2012	161722	1962.71	NMEA 0183	12	2	2
659588.221401	4047713.205170	31,700		-109.216664	36.561532	11/1/2012	161813	1964.02	NMEA 0183	12	2	2
659593.905473	4047699.660181	31,700		-109.216603	36.561409	11/1/2012	162414	1963.75	NMEA 0183	12	2	2
659610.899146	4047643.041326	31,700		-109.216425	36.560896	11/1/2012	162719	1971.25	NMEA 0183	12	2	2
659615.518962	4047692.423878	31,700		-109.216363	36.561340	11/2/2012	105703	1968.78	NMEA 0183	12	2	2
659603.851930	4047692.103884	31,700		-109.216494	36.561339	11/2/2012	110507	1966.07	NMEA 0183	12	2	2
659649.736829	4047638.125932	31,700		-109.215992	36.560845	11/8/2012	092702	1971.09	NMEA 0183	12	2	2
659635.334115	4047651.586823	31,700		-109.216151	36.560969	11/8/2012	092840	1972.33	NMEA 0183	12	2	2
659641.844402	4047658.982276	31,700		-109.216076	36.561034	11/8/2012	092932	1971.32	NMEA 0183	12	2	2
659668.299597	4047676.939378	31,700		-109.215777	36.561192	11/8/2012	093358	1968.26	NMEA 0183	12	2	2
659645.343585	4047684.953391	31,700		-109.216032	36.561268	11/8/2012	093439	1970.58	NMEA 0183	12	2	2
659643.197798	4047688.416817	31,700		-109.216055	36.561299	11/8/2012	093512	1970.72	NMEA 0183	12	2	2
659676.909011	4047680.167707	31,700		-109.215680	36.561220	11/8/2012	093542	1967.09	NMEA 0183	12	2	2
659686.514646	4047690.419159	31,700		-109.215571	36.561310	11/8/2012	093822	1965.79	NMEA 0183	12	2	2
659669.924608	4047695.832263	31,700		-109.215755	36.561362	11/8/2012	093839	1968.11	NMEA 0183	12	2	2
659674.851137	4047697.708595	31,700		-109.215700	36.561378	11/8/2012	093903	1967.64	NMEA 0183	12	2	2
659677.515645	4047699.742715	31,700		-109.215669	36.561396	11/8/2012	093926	1966.92	NMEA 0183	12	2	2
659665.055695	4047702.752090	31,700		-109.215808	36.561425	11/8/2012	093937	1968.64	NMEA 0183	12	2	2
659654.488212	4047710.724065	31,700		-109.215924	36.561499	11/8/2012	094127	1968.11	NMEA 0183	12	2	2
659676.259826	4047707.994746	31,700		-109.215682	36.561470	11/8/2012	094154	1966.71	NMEA 0183	12	2	2
659686.104724	4047708.889559	31,700		-109.215572	36.561477	11/8/2012	094314	1965.39	NMEA 0183	12	2	2
659678.149193	4047715.052929	31,700		-109.215659	36.561534	11/8/2012	094328	1966.16	NMEA 0183	12	2	2
659681.626233	4047725.083371	31,700		-109.215618	36.561623	11/8/2012	094531	1965.25	NMEA 0183	12	2	2
659681.343463	4047731.636983	31,700		-109.215620	36.561683	11/8/2012	094632	1965.80	NMEA 0183	12	2	2
659679.327767	4047732.431919	31,700		-109.215642	36.561690	11/8/2012	094634	1965.88	NMEA 0183	12	2	2
659687.565437	4047731.567486	31,700		-109.215551	36.561681	11/8/2012	094722	1965.10	NMEA 0183	12	2	2
659689.461924	4047730.844326	31,700		-109.215530	36.561674	11/8/2012	094724	1964.82	NMEA 0183	12	2	2
659675.305177	4047737.728656	31,700		-109.215686	36.561738	11/8/2012	094745	1965.64	NMEA 0183	12	2	2
659667.906650	4047739.367028	31,700		-109.215769	36.561754	11/8/2012	094752	1966.39	NMEA 0183	12	2	2
659666.471108	4047741.785628	31,700		-109.215784	36.561776	11/8/2012	094811	1966.10	NMEA 0183	12	2	2
659677.384897	4047739.272865	31,700		-109.215663	36.561752	11/8/2012	094821	1965.04	NMEA 0183	12	2	2
659682.696997	4047737.899123	31,700		-109.215604	36.561739	11/8/2012	094826	1965.08	NMEA 0183	12	2	2
659671.189241	4047750.146665	31,700		-109.215730	36.561851	11/8/2012	095028	1965.78	NMEA 0183	12	2	2
659687.586309	4047752.633543	31,700		-109.215546	36.561871	11/8/2012	095137	1964.00	NMEA 0183	12	2	2
659687.058033	4047754.325418	31,700		-109.215551	36.561886	11/8/2012	095139	1964.23	NMEA 0183	12	2	2
659693.683226	4047757.613126	31,700		-109.215477	36.561915	11/8/2012	095147	1963.80	NMEA 0183	12	2	2
659665.583971	4047757.670610	31,700		-109.215791	36.561920	11/8/2012	095217	1966.25	NMEA 0183	12	2	2
659681.003986	4047758.935223	31,700		-109.215618	36.561929	11/8/2012	095247	1964.18	NMEA 0183	12	2	2
659675.780945	4047760.656503	31,700		-109.215676	36.561945	11/8/2012	095253	1964.56	NMEA 0183	12	2	2
659663.471774	4047764.711877	31,700		-109.215813	36.561984	11/8/2012	095306	1966.11	NMEA 0183	12	2	2
659662.025023	4047771.996699	31,700		-109.215827	36.562049	11/8/2012	095358	1966.32	NMEA 0183	12	2	2
659672.188048	4047769.494046	31,700		-109.215714	36.562025	11/8/2012	095407	1965.82	NMEA 0183	12	2	2
659675.083595	4047771.539853	31,700		-109.215682	36.562043	11/8/2012	095424	1965.74	NMEA 0183	12	2	2
659674.997099	4047777.085349	31,700		-109.215681	36.562093	11/8/2012	095458	1964.91	NMEA 0183	12	2	2
659676.777724	4047790.243513	31,700		-109.215659	36.562211	11/8/2012	095629	1963.96	NMEA 0183	12	2	2
659643.037094	4047805.328364	31,700		-109.216033	36.562353	11/8/2012	095936	1966.62	NMEA 0183	12	2	2
659627.861818	4047818.382796	31,700		-109.216199	36.562473	11/8/2012	100031	1964.72	NMEA 0183	12	2	2
659611.432162	4047830.126627	31,700		-109.216381	36.562582	11/8/2012	100147	1962.45	NMEA 0183	12	2	2
659629.094762	4047826.481242	31,700		-109.216184	36.562546	11/8/2012	100205	1963.67	NMEA 0183	12	2	2
659631.041909	4047635.141496	31,700		-109.216202	36.560821	11/8/2012	114402	1973.61	NMEA 0183	12	2	2
659635.166231	4047666.588066	31,700		-109.216149	36.561104	11/8/2012	114426	1971.99	NMEA 0183	12	2	2
659637.558622	4047686.588321	31,700		-109.216118	36.561284	11/8/2012	114441	1971.25	NMEA 0183	12	2	2
659612.114337	4047640.596435	31,800		-109.216412	36.560874	11/1/2012	162722	1971.64	NMEA 0183	12	2	2
659618.188081	4047626.239292	31,800		-109.216347	36.560743	11/1/2012	162743	1974.00	NMEA 0183	12	2	2
659624.574187	4047633.493703	31,800		-109.216274	36.560808	11/2/2012	104638	1975.02	NMEA 0183	12	2	2
659623.709354	4047642.389271	31,800		-109.216282	36.560888	11/2/2012	105018	1973.68	NMEA 0183	12	2	2
659617.665190	4047648.153487	31,800		-109.216349	36.560941	11/2/2012	105322	1972.28	NMEA 0183	12	2	2
659618.127877	4047650.157842	31,800		-109.216343	36.560959	11/2/2012	105324	1972.12	NMEA 0183	12	2	2
659619.855667	4047663.355697	31,800		-109.216321	36.561078	11/2/2012</						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659616.711354	4047681.072502	31,800		-109.216352	36.561238	11/2/2012	105631	1969.46	NMEA 0183	12	2	2
659617.354521	4047694.422256	31,800		-109.216342	36.561358	11/2/2012	105645	1969.09	NMEA 0183	12	2	2
659616.448121	4047699.767576	31,800		-109.216351	36.561406	11/2/2012	105655	1969.33	NMEA 0183	12	2	2
659612.503364	4047693.067108	31,800		-109.216397	36.561346	11/2/2012	105959	1967.91	NMEA 0183	12	2	2
659636.245156	4047636.501335	31,800		-109.216143	36.560833	11/8/2012	092611	1972.25	NMEA 0183	12	2	2
659643.616237	4047640.448364	31,800		-109.216060	36.560867	11/8/2012	092709	1971.46	NMEA 0183	12	2	2
659637.315338	4047642.114529	31,800		-109.216130	36.560883	11/8/2012	092715	1971.99	NMEA 0183	12	2	2
659636.962714	4047649.539880	31,800		-109.216133	36.560950	11/8/2012	092804	1971.85	NMEA 0183	12	2	2
659642.658059	4047647.618326	31,800		-109.216070	36.560932	11/8/2012	092810	1971.34	NMEA 0183	12	2	2
659651.752918	4047653.717043	31,800		-109.215967	36.560985	11/8/2012	092909	1970.63	NMEA 0183	12	2	2
659636.215132	4047659.675038	31,800		-109.216139	36.561042	11/8/2012	092926	1971.94	NMEA 0183	12	2	2
659657.838705	4047656.084683	31,800		-109.215898	36.561006	11/8/2012	092949	1970.12	NMEA 0183	12	2	2
659655.349215	4047663.274322	31,800		-109.215925	36.561071	11/8/2012	093043	1969.76	NMEA 0183	12	2	2
659655.759455	4047664.325137	31,800		-109.215920	36.561080	11/8/2012	093145	1969.54	NMEA 0183	12	2	2
659646.640011	4047670.409602	31,800		-109.216020	36.561137	11/8/2012	093214	1970.65	NMEA 0183	12	2	2
659669.410174	4047676.675139	31,800		-109.215765	36.561189	11/8/2012	093359	1968.04	NMEA 0183	12	2	2
659667.159438	4047682.657685	31,800		-109.215789	36.561244	11/8/2012	093418	1968.60	NMEA 0183	12	2	2
659649.000261	4047682.409530	31,800		-109.215991	36.561244	11/8/2012	093455	1970.17	NMEA 0183	12	2	2
659677.682883	4047683.574326	31,800		-109.215671	36.561250	11/8/2012	093556	1967.29	NMEA 0183	12	2	2
659683.650466	4047682.902667	31,800		-109.215604	36.561243	11/8/2012	093712	1966.49	NMEA 0183	12	2	2
659681.864354	4047687.406713	31,800		-109.215623	36.561284	11/8/2012	093722	1966.28	NMEA 0183	12	2	2
659657.036476	4047695.058570	31,800		-109.215899	36.561357	11/8/2012	093749	1968.95	NMEA 0183	12	2	2
659661.204018	4047694.736374	31,800		-109.215853	36.561353	11/8/2012	093753	1968.10	NMEA 0183	12	2	2
659671.820551	4047697.161619	31,800		-109.215735	36.561315	11/8/2012	093803	1967.03	NMEA 0183	12	2	2
659678.255339	4047689.472386	31,800		-109.215663	36.561303	11/8/2012	093809	1966.78	NMEA 0183	12	2	2
659687.571185	4047689.850577	31,800		-109.215559	36.561305	11/8/2012	093821	1965.74	NMEA 0183	12	2	2
659678.116138	4047693.757292	31,800		-109.215664	36.561342	11/8/2012	093831	1967.16	NMEA 0183	12	2	2
659654.076824	4047698.878671	31,800		-109.215931	36.561392	11/8/2012	094010	1970.06	NMEA 0183	12	2	2
659681.643795	4047701.543196	31,800		-109.215623	36.561411	11/8/2012	094047	1966.79	NMEA 0183	12	2	2
659682.995602	4047705.245388	31,800		-109.215607	36.561444	11/8/2012	094102	1966.61	NMEA 0183	12	2	2
659686.682062	4047705.358193	31,800		-109.215566	36.561445	11/8/2012	094203	1965.63	NMEA 0183	12	2	2
659687.678754	4047708.014291	31,800		-109.215554	36.561469	11/8/2012	094209	1965.41	NMEA 0183	12	2	2
659663.641342	4047713.115331	31,800		-109.215822	36.561519	11/8/2012	094232	1967.41	NMEA 0183	12	2	2
659675.630032	4047712.664524	31,800		-109.215688	36.561513	11/8/2012	094304	1967.17	NMEA 0183	12	2	2
659672.749763	4047717.594033	31,800		-109.215719	36.561557	11/8/2012	094333	1965.88	NMEA 0183	12	2	2
659676.334610	4047721.091658	31,800		-109.215678	36.561588	11/8/2012	094432	1965.76	NMEA 0183	12	2	2
659661.136795	4047729.721258	31,800		-109.215846	36.561669	11/8/2012	094459	1967.64	NMEA 0183	12	2	2
659672.977854	4047725.485174	31,800		-109.215715	36.561628	11/8/2012	094540	1966.28	NMEA 0183	12	2	2
659665.603028	4047739.757100	31,800		-109.215794	36.561758	11/8/2012	094754	1966.44	NMEA 0183	12	2	2
659672.128024	4047740.484865	31,800		-109.215721	36.561764	11/8/2012	094816	1965.86	NMEA 0183	12	2	2
659676.980254	4047740.976282	31,800		-109.215667	36.561767	11/8/2012	094904	1965.05	NMEA 0183	12	2	2
659669.406166	4047747.009864	31,800		-109.215750	36.561823	11/8/2012	094933	1965.61	NMEA 0183	12	2	2
659682.233212	4047744.236667	31,800		-109.215607	36.561796	11/8/2012	094944	1964.26	NMEA 0183	12	2	2
659694.480009	4047744.106968	31,800		-109.215471	36.561793	11/8/2012	095005	1963.43	NMEA 0183	12	2	2
659667.955970	4047753.595454	31,800		-109.215765	36.561883	11/8/2012	095049	1966.31	NMEA 0183	12	2	2
659670.234697	4047752.938571	31,800		-109.215740	36.561876	11/8/2012	095051	1965.89	NMEA 0183	12	2	2
659687.998428	4047755.994608	31,800		-109.215541	36.561901	11/8/2012	095141	1964.13	NMEA 0183	12	2	2
659672.751135	4047758.367750	31,800		-109.215710	36.561925	11/8/2012	095236	1965.18	NMEA 0183	12	2	2
659680.259696	4047759.724159	31,800		-109.215626	36.561936	11/8/2012	095248	1964.16	NMEA 0183	12	2	2
659669.352653	4047763.724161	31,800		-109.215747	36.561974	11/8/2012	095301	1965.49	NMEA 0183	12	2	2
659679.677573	4047766.488626	31,800		-109.215631	36.561997	11/8/2012	095335	1964.93	NMEA 0183	12	2	2
659674.558493	4047767.673587	31,800		-109.215688	36.562008	11/8/2012	095340	1965.59	NMEA 0183	12	2	2
659680.526526	4047767.456951	31,800		-109.215622	36.562005	11/8/2012	095415	1964.79	NMEA 0183	12	2	2
659644.422497	4047801.911869	31,800		-109.216018	36.562322	11/8/2012	095841	1967.22	NMEA 0183	12	2	2
659630.078019	4047807.904951	31,800		-109.216177	36.562378	11/8/2012	095857	1966.84	NMEA 0183	12	2	2
659635.919630	4047807.584210	31,800		-109.216112	36.562374	11/8/2012	095929	1966.41	NMEA 0183	12	2	2
659621.828003	4047813.541303	31,800		-109.216268	36.562430	11/8/2012	100004	1966.19	NMEA 0183	12	2	2
659620.047775	4047818.052868	31,800		-109.216287	36.562471	11/8/2012	100012	1964.86	NMEA 0183	12	2	2
659622.928133	4047829.281888	31,800		-109.216252	36.562572	11/8/2012	100158	1963.08	NMEA 0183	12	2	2
659625.160078	4047829.295550	31,800		-109.216227	36.562572	11/8/2012	100200	1963.11	NMEA 0183	12	2	2
659634.887264	4047681.544707	31,800		-109.216149	36.561239	11/8/2012	114318	1971.13	NMEA 0183	12	2	2
659630.711742	4047632.669788	31,800		-109.216206	36.560799	11/8/2012	114400	1973.86	NMEA 0183	12	2	2
659581.638211	4047708.131564	31,900		-109.216739	36.561487	10/27/2012	115802	1964.06	NMEA 0183	12	2	2
659584.943456	4047715.765328	31,900		-109.216700	36.561556	11/1/2012	161736	1963.78	NMEA 0183	12	2	2
659588.968901	4047716.426325	31,900		-109.216655	36.561561	11/1/2012	161809	1964.35	NMEA 0183	12	2	2
659588.340227	4047696.259037	31,900		-109.216666	36.561379	11/1/2012	162057	1963.61	NMEA 0183	12	2	2
659609.968363	4047644.633256	31,900		-109.216435	36.560910	11/1/2012	162717	1970.84	NMEA 0183	12	2	2
659621.124035	4047638.497741	31,900		-109.216312	36.560853	11/2/2012	105037	1974.02	NMEA 0183	12	2	2
659619.609508	4047639.945667	31,900		-109.216329	36.560867	11/2/2012	105254	1973.53	NMEA 0183	12	2	2
659620.115868	4047685.445340	31,900		-109.216313	36.561277	11/2/2012	105443	1969.95	NMEA 0183	12	2	2
659616.525117	4047679.126915	31,900		-109.216355	36.561220	11/2/2012	105629	1969.48	NMEA 0183	12	2	2
659617.262085	4047692.487657	31,900		-109.216344	36.561340	11/2/2012	105643	1969.13	NMEA 0183	12	2	2
659612.545450	4047686.374007	31,900		-109.216398	36.561286	11/2/2012	105952	1967.95	NMEA 0183	12	2	2
659608.37761	4047702.068660	31,900		-109.216441	36.561428	11/2/2012	110249	1967.17	NMEA 0183	12	2	2
659642.482895	4047637.355070	31,900		-109.216074	36.560839	11/8/2012	092633	1971.67	NMEA 0183	12	2	2
659642.589874	4047640.677175	31,900		-109.216072	36.560869	11/8/2012	092710	1971.61	NMEA 0183	12	2	2
659638.408911	4047641.801881	31,900		-109.216118	36.560880	11/8/2012	092714	1971.95	NMEA 0183	12	2	2
659641.218273	4047643.509437	31,900		-109.216086	36.560895	11/8/2012	092729	1971.70	NMEA 0183	12	2	2
659644.506518	4047647.071830	31,900		-109.216049	36.560927	11/8/2012	092812	1971.21	NMEA 0183	12	2	2
659654.681429	4047650.048033	31,900		-109.215935	36.560952	11/8/2012	0					



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659661.343776	4047666.376433	31,900		-109.215857	36.561098	11/8/2012	093157	1969.02	NMEA 0183	12	2	2
659643.970024	4047676.310389	31,900		-109.216049	36.561190	11/8/2012	093301	1970.84	NMEA 0183	12	2	2
659662.740338	4047672.733699	31,900		-109.215840	36.561155	11/8/2012	093333	1968.76	NMEA 0183	12	2	2
659662.257408	4047681.551268	31,900		-109.215844	36.561234	11/8/2012	093423	1969.20	NMEA 0183	12	2	2
659646.507224	4047684.804813	31,900		-109.216019	36.561266	11/8/2012	093438	1970.47	NMEA 0183	12	2	2
659657.029106	4047685.886018	31,900		-109.215901	36.561274	11/8/2012	093524	1969.54	NMEA 0183	12	2	2
659674.365899	4047684.215641	31,900		-109.215708	36.561256	11/8/2012	093559	1967.65	NMEA 0183	12	2	2
659684.522117	4047683.372007	31,900		-109.215595	36.561247	11/8/2012	093713	1966.31	NMEA 0183	12	2	2
659686.883404	4047685.021324	31,900		-109.215568	36.561262	11/8/2012	093716	1966.07	NMEA 0183	12	2	2
659658.281953	4047706.582803	31,900		-109.215883	36.561461	11/8/2012	094027	1968.99	NMEA 0183	12	2	2
659688.587963	4047703.645643	31,900		-109.215545	36.561429	11/8/2012	094057	1966.02	NMEA 0183	12	2	2
659686.387454	4047704.348365	31,900		-109.215569	36.561436	11/8/2012	094059	1966.22	NMEA 0183	12	2	2
659669.071694	4047711.159285	31,900		-109.215761	36.561500	11/8/2012	094147	1967.24	NMEA 0183	12	2	2
659677.436236	4047707.720633	31,900		-109.215669	36.561468	11/8/2012	094155	1966.51	NMEA 0183	12	2	2
659679.819097	4047707.161866	31,900		-109.215642	36.561462	11/8/2012	094157	1966.38	NMEA 0183	12	2	2
659671.683140	4047712.755901	31,900		-109.215732	36.561514	11/8/2012	094224	1966.89	NMEA 0183	12	2	2
659681.507091	4047714.377233	31,900		-109.215622	36.561527	11/8/2012	094325	1965.93	NMEA 0183	12	2	2
659669.207620	4047718.871149	31,900		-109.215758	36.561570	11/8/2012	094336	1966.11	NMEA 0183	12	2	2
659686.541216	4047720.907439	31,900		-109.215564	36.561585	11/8/2012	094523	1965.13	NMEA 0183	12	2	2
659668.045566	4047727.940617	31,900		-109.215769	36.561651	11/8/2012	094546	1966.87	NMEA 0183	12	2	2
659673.803390	4047733.907154	31,900		-109.215704	36.561704	11/8/2012	094639	1966.27	NMEA 0183	12	2	2
659667.623445	4047735.089081	31,900		-109.215773	36.561716	11/8/2012	094645	1966.87	NMEA 0183	12	2	2
659680.735588	4047738.341783	31,900		-109.215625	36.561743	11/8/2012	094824	1964.93	NMEA 0183	12	2	2
659682.362231	4047746.691698	31,900		-109.215606	36.561818	11/8/2012	095017	1964.64	NMEA 0183	12	2	2
659688.766722	4047756.404692	31,900		-109.215532	36.561904	11/8/2012	095142	1964.03	NMEA 0183	12	2	2
659694.202740	4047754.946324	31,900		-109.215472	36.561890	11/8/2012	095151	1963.84	NMEA 0183	12	2	2
659660.677347	4047760.674028	31,900		-109.215845	36.561948	11/8/2012	095224	1966.69	NMEA 0183	12	2	2
659678.210698	4047771.078132	31,900		-109.215647	36.562038	11/8/2012	095421	1965.25	NMEA 0183	12	2	2
659666.760493	4047772.748595	31,900		-109.215774	36.562055	11/8/2012	095431	1965.85	NMEA 0183	12	2	2
659644.475091	4047802.615712	31,900		-109.216017	36.562328	11/8/2012	095842	1967.16	NMEA 0183	12	2	2
659614.051628	4047827.428489	31,900		-109.216352	36.562557	11/8/2012	100129	1962.96	NMEA 0183	12	2	2
659634.883647	4047663.884185	31,900		-109.216153	36.561080	11/8/2012	114424	1972.16	NMEA 0183	12	2	2
659635.540182	4047669.273297	31,900		-109.216145	36.561128	11/8/2012	114428	1971.85	NMEA 0183	12	2	2
659635.903966	4047671.943541	31,900		-109.216140	36.561152	11/8/2012	114430	1971.63	NMEA 0183	12	2	2
659563.981912	4047627.177933	31,900		-109.216953	36.560761	11/1/2012	161600	1964.19	NMEA 0183	12	2	2
659579.203231	4047691.950066	31,900		-109.216769	36.561342	11/1/2012	161711	1963.05	NMEA 0183	12	2	2
659593.288914	4047717.053945	31,900		-109.216607	36.561566	11/1/2012	162118	1964.79	NMEA 0183	12	2	2
659594.157733	4047719.043636	31,900		-109.216596	36.561584	11/1/2012	162122	1965.05	NMEA 0183	12	2	2
659624.702072	4047633.597806	31,900		-109.216273	36.560809	11/2/2012	104649	1975.01	NMEA 0183	12	2	2
659626.186310	4047691.132795	31,900		-109.216245	36.561327	11/2/2012	105203	1971.08	NMEA 0183	12	2	2
659621.791937	4047682.367171	31,900		-109.216295	36.561249	11/2/2012	105357	1970.47	NMEA 0183	12	2	2
659610.154548	4047652.212873	31,900		-109.216432	36.560979	11/2/2012	105756	1970.69	NMEA 0183	12	2	2
659598.949367	4047691.428461	31,900		-109.216549	36.561334	11/2/2012	110726	1965.34	NMEA 0183	12	2	2
659599.303440	4047693.576923	31,900		-109.216544	36.561353	11/2/2012	110728	1965.24	NMEA 0183	12	2	2
659598.032081	4047693.982460	31,900		-109.216558	36.561357	11/2/2012	110803	1965.50	NMEA 0183	12	2	2
659587.919358	4047639.463302	31,900		-109.216683	36.560868	11/2/2012	110859	1967.77	NMEA 0183	12	2	2
659579.992493	4047629.357782	31,900		-109.216773	36.560778	11/2/2012	111009	1966.41	NMEA 0183	12	2	2
659567.860936	4047608.942040	31,900		-109.216913	36.560596	11/2/2012	111042	1966.56	NMEA 0183	12	2	2
659560.135497	4047593.925760	31,900		-109.217002	36.560462	11/2/2012	111102	1967.35	NMEA 0183	12	2	2
659584.078522	4047649.925821	31,900		-109.216723	36.560963	11/2/2012	111239	1966.33	NMEA 0183	12	2	2
659582.966146	4047647.310134	31,900		-109.216736	36.560939	11/2/2012	111242	1966.29	NMEA 0183	12	2	2
659569.823923	4047618.554074	31,900		-109.216889	36.560682	11/2/2012	111318	1966.31	NMEA 0183	12	2	2
659633.586864	4047801.503672	31,900		-109.216139	36.562320	11/8/2012	095800	1968.07	NMEA 0183	12	2	2
659633.143320	4047670.586473	31,900		-109.216171	36.561140	11/8/2012	114326	1971.50	NMEA 0183	12	2	2
659566.294780	4047695.570898	31,900		-109.216913	36.561377	10/27/2012	114700	1963.15	NMEA 0183	12	2	2
659547.344272	4047598.057454	31,900		-109.217144	36.560501	10/27/2012	114850	1966.18	NMEA 0183	12	2	2
659578.620976	4047733.402854	31,900		-109.216767	36.561716	10/27/2012	115044	1964.21	NMEA 0183	12	2	2
659579.175288	4047735.776986	31,900		-109.216760	36.561737	10/27/2012	115046	1964.39	NMEA 0183	12	2	2
659582.751912	4047714.376288	31,900		-109.216725	36.561543	10/27/2012	115807	1964.44	NMEA 0183	12	2	2
659598.422282	4047648.971083	31,900		-109.216563	36.560952	11/2/2012	110343	1968.72	NMEA 0183	12	2	2
659594.958899	4047636.427264	31,900		-109.216605	36.560839	11/2/2012	110359	1969.56	NMEA 0183	12	2	2
659594.583022	4047647.200047	31,900		-109.216607	36.560936	11/2/2012	110421	1968.10	NMEA 0183	12	2	2
659598.832934	4047703.739418	31,900		-109.216547	36.561445	11/2/2012	110752	1965.69	NMEA 0183	12	2	2
659587.198337	4047653.318599	31,900		-109.216688	36.560993	11/2/2012	110941	1966.65	NMEA 0183	12	2	2
659583.423739	4047638.808385	31,900		-109.216733	36.560862	11/2/2012	110957	1966.20	NMEA 0183	12	2	2
659563.091524	4047599.795869	31,900		-109.216968	36.560514	11/2/2012	111054	1967.08	NMEA 0183	12	2	2
659566.139125	4047608.693703	31,900		-109.216932	36.560594	11/2/2012	111133	1966.65	NMEA 0183	12	2	2
659581.438602	4047638.518167	31,900		-109.216755	36.560860	11/2/2012	111216	1966.28	NMEA 0183	12	2	2
659583.725953	4047645.121293	31,900		-109.216728	36.560919	11/2/2012	111223	1966.51	NMEA 0183	12	2	2
659583.659821	4047649.089413	31,900		-109.216728	36.560955	11/2/2012	111240	1966.35	NMEA 0183	12	2	2
659552.963955	4047597.963740	31,900		-109.217082	36.560499	11/2/2012	111404	1965.88	NMEA 0183	12	2	2
659547.370761	4047597.996906	31,900		-109.217144	36.560501	10/27/2012	114854	1966.18	NMEA 0183	12	2	2
659574.879793	4047687.242064	31,900		-109.216818	36.561300	10/27/2012	115746	1963.67	NMEA 0183	12	2	2
659556.610356	4047609.976383	31,900		-109.217038	36.560607	11/1/2012	161532	1964.78	NMEA 0183	12	2	2
659586.351378	4047687.480708	31,900		-109.216690	36.561301	11/1/2012	162049	1963.91	NMEA 0183	12	2	2
659598.024871	4047697.428223	31,900		-109.216558	36.561388	11/1/2012	162454	1964.36	NMEA 0183	12	2	2
659594.239776	4047672.384054	31,900		-109.216605	36.561163	11/1/2012	162535	1965.24	NMEA 0183	12	2	2
659607.915724	4047831.147142	32,000		-109.216420	36.562591	10/27/2012	120438	1962.56	NMEA 0183	12	2	2
659631.592660	4047699.961587	32,000		-109.216182	36.561405	11/2/2012	104903	1971.62	NMEA 0183	12	2	2
659620.655681	4047691.818148	32,000		-109.216306	36.561334	11/2/20						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659647.638172	4047631.729748	32,000		-109.216017	36.560788	11/8/2012	092550	1971.32	NMEA 0183	12	2	2
659642.981617	4047639.347147	32,000		-109.216068	36.560857	11/8/2012	092654	1971.42	NMEA 0183	12	2	2
659643.266302	4047642.983291	32,000		-109.216064	36.560890	11/8/2012	092731	1971.53	NMEA 0183	12	2	2
659643.354430	4047645.069481	32,000		-109.216062	36.560909	11/8/2012	092748	1971.33	NMEA 0183	12	2	2
659638.204680	4047646.375975	32,000		-109.216120	36.560921	11/8/2012	092753	1971.57	NMEA 0183	12	2	2
659636.802579	4047646.830872	32,000		-109.216135	36.560926	11/8/2012	092755	1971.93	NMEA 0183	12	2	2
659640.672610	4047648.310253	32,000		-109.216092	36.560938	11/8/2012	092808	1971.50	NMEA 0183	12	2	2
659649.544548	4047648.167812	32,000		-109.215993	36.560936	11/8/2012	092826	1970.75	NMEA 0183	12	2	2
659645.026208	4047655.493679	32,000		-109.216041	36.561003	11/8/2012	092915	1971.08	NMEA 0183	12	2	2
659635.987433	4047658.838472	32,000		-109.216142	36.561034	11/8/2012	092925	1972.06	NMEA 0183	12	2	2
659650.039922	4047668.515753	32,000		-109.215983	36.561119	11/8/2012	093210	1970.27	NMEA 0183	12	2	2
659647.609775	4047684.651402	32,000		-109.216007	36.561265	11/8/2012	093437	1970.43	NMEA 0183	12	2	2
659670.601613	4047682.185160	32,000		-109.215750	36.561239	11/8/2012	093536	1968.16	NMEA 0183	12	2	2
659655.505844	4047688.367730	32,000		-109.215918	36.561297	11/8/2012	093615	1969.16	NMEA 0183	12	2	2
659689.281920	4047702.835428	32,000		-109.215537	36.561422	11/8/2012	094056	1966.06	NMEA 0183	12	2	2
659652.876931	4047713.285528	32,000		-109.215942	36.561522	11/8/2012	094131	1967.81	NMEA 0183	12	2	2
659660.709027	4047713.049823	32,000		-109.215854	36.561518	11/8/2012	094235	1967.64	NMEA 0183	12	2	2
659678.732479	4047711.281219	32,000		-109.215653	36.561500	11/8/2012	094307	1966.22	NMEA 0183	12	2	2
659669.843915	4047722.615551	32,000		-109.215750	36.561603	11/8/2012	094438	1966.34	NMEA 0183	12	2	2
659664.340919	4047728.406423	32,000		-109.215811	36.561656	11/8/2012	094502	1967.42	NMEA 0183	12	2	2
659675.195652	4047730.845924	32,000		-109.215689	36.561676	11/8/2012	094610	1966.20	NMEA 0183	12	2	2
659679.669286	4047738.632736	32,000		-109.215637	36.561746	11/8/2012	094823	1964.85	NMEA 0183	12	2	2
659677.831998	4047745.251833	32,000		-109.215656	36.561806	11/8/2012	094940	1964.90	NMEA 0183	12	2	2
659683.095850	4047746.477805	32,000		-109.215597	36.561816	11/8/2012	095016	1964.38	NMEA 0183	12	2	2
659672.395718	4047749.860162	32,000		-109.215716	36.561848	11/8/2012	095027	1965.61	NMEA 0183	12	2	2
659659.641572	4047753.851795	32,000		-109.215858	36.561886	11/8/2012	095040	1966.92	NMEA 0183	12	2	2
659689.693934	4047756.693798	32,000		-109.215522	36.561907	11/8/2012	095143	1963.79	NMEA 0183	12	2	2
659681.521001	4047754.231909	32,000		-109.215613	36.561886	11/8/2012	095203	1964.75	NMEA 0183	12	2	2
659666.192126	4047760.197419	32,000		-109.215783	36.561942	11/8/2012	095230	1966.01	NMEA 0183	12	2	2
659679.822934	4047764.686065	32,000		-109.215630	36.561981	11/8/2012	095333	1964.75	NMEA 0183	12	2	2
659679.055598	4047776.526235	32,000		-109.215636	36.562087	11/8/2012	095454	1964.73	NMEA 0183	12	2	2
659622.649268	4047806.672142	32,000		-109.216260	36.562368	11/8/2012	095820	1967.73	NMEA 0183	12	2	2
659635.782937	4047802.968646	32,000		-109.216114	36.562333	11/8/2012	095832	1967.41	NMEA 0183	12	2	2
659618.542351	4047810.485768	32,000		-109.216305	36.562404	11/8/2012	095908	1966.75	NMEA 0183	12	2	2
659645.874932	4047806.623982	32,000		-109.216001	36.562364	11/8/2012	095940	1966.30	NMEA 0183	12	2	2
659619.100630	4047814.655987	32,000		-109.216298	36.562441	11/8/2012	100007	1965.82	NMEA 0183	12	2	2
659629.087555	4047818.022659	32,000		-109.216186	36.562470	11/8/2012	100030	1964.80	NMEA 0183	12	2	2
659636.737715	4047696.091389	32,000		-109.216126	36.561370	11/8/2012	114307	1970.91	NMEA 0183	12	2	2
659631.724650	4047640.244397	32,000		-109.216193	36.560867	11/8/2012	114406	1973.09	NMEA 0183	12	2	2
659587.910084	4047711.486620	32,100		-109.216668	36.561517	11/1/2012	161815	1963.91	NMEA 0183	12	2	2
659591.200770	4047709.124612	32,100		-109.216632	36.561495	11/1/2012	162109	1963.86	NMEA 0183	12	2	2
659594.313395	4047710.972803	32,100		-109.216596	36.561511	11/1/2012	162148	1964.49	NMEA 0183	12	2	2
659620.665402	4047634.826927	32,100		-109.216318	36.560820	11/2/2012	105033	1974.24	NMEA 0183	12	2	2
659613.181548	4047638.165445	32,100		-109.216401	36.560852	11/2/2012	105532	1972.94	NMEA 0183	12	2	2
659603.769841	4047637.160378	32,100		-109.216506	36.560844	11/2/2012	105852	1971.21	NMEA 0183	12	2	2
659606.562021	4047690.957430	32,100		-109.216464	36.561328	11/2/2012	110300	1966.80	NMEA 0183	12	2	2
659601.647912	4047664.357106	32,100		-109.216524	36.561090	11/2/2012	110326	1967.61	NMEA 0183	12	2	2
659639.356861	4047633.011436	32,100		-109.216109	36.560801	11/8/2012	092558	1972.30	NMEA 0183	12	2	2
659633.076641	4047633.723569	32,100		-109.216179	36.560808	11/8/2012	092604	1972.93	NMEA 0183	12	2	2
659647.765461	4047637.817458	32,100		-109.216015	36.560843	11/8/2012	092659	1971.23	NMEA 0183	12	2	2
659648.476336	4047645.987602	32,100		-109.216005	36.560916	11/8/2012	092816	1970.74	NMEA 0183	12	2	2
659655.447916	4047650.556111	32,100		-109.215926	36.560956	11/8/2012	092903	1970.30	NMEA 0183	12	2	2
659649.587102	4047654.318687	32,100		-109.215991	36.560991	11/8/2012	092911	1970.82	NMEA 0183	12	2	2
659653.149055	4047672.241295	32,100		-109.215947	36.561152	11/8/2012	093223	1970.34	NMEA 0183	12	2	2
659661.030456	4047677.794058	32,100		-109.215858	36.561201	11/8/2012	093350	1969.38	NMEA 0183	12	2	2
659672.836512	4047674.563531	32,100		-109.215727	36.561170	11/8/2012	093404	1967.76	NMEA 0183	12	2	2
659655.831297	4047686.026563	32,100		-109.215914	36.561276	11/8/2012	093523	1969.53	NMEA 0183	12	2	2
659672.762795	4047681.511298	32,100		-109.215726	36.561232	11/8/2012	093538	1967.76	NMEA 0183	12	2	2
659685.317384	4047684.017496	32,100		-109.215586	36.561253	11/8/2012	093714	1966.24	NMEA 0183	12	2	2
659675.269363	4047688.438510	32,100		-109.215697	36.561294	11/8/2012	093728	1966.76	NMEA 0183	12	2	2
659674.169262	4047688.701093	32,100		-109.215709	36.561297	11/8/2012	093729	1966.90	NMEA 0183	12	2	2
659670.963157	4047689.398106	32,100		-109.215745	36.561304	11/8/2012	093732	1967.14	NMEA 0183	12	2	2
659682.651180	4047688.507059	32,100		-109.215614	36.561294	11/8/2012	093813	1966.38	NMEA 0183	12	2	2
659679.325206	4047696.789110	32,100		-109.215650	36.561369	11/8/2012	093907	1967.07	NMEA 0183	12	2	2
659663.992562	4047702.952472	32,100		-109.215820	36.561427	11/8/2012	093938	1968.81	NMEA 0183	12	2	2
659652.770306	4047711.472742	32,100		-109.215943	36.561506	11/8/2012	094129	1968.04	NMEA 0183	12	2	2
659666.969802	4047710.809541	32,100		-109.215785	36.561497	11/8/2012	094145	1967.04	NMEA 0183	12	2	2
659659.770090	4047713.633537	32,100		-109.215865	36.561524	11/8/2012	094236	1967.37	NMEA 0183	12	2	2
659668.712154	4047722.735123	32,100		-109.215763	36.561604	11/8/2012	094439	1966.41	NMEA 0183	12	2	2
659662.223964	4047729.351155	32,100		-109.215834	36.561665	11/8/2012	094500	1967.48	NMEA 0183	12	2	2
659669.106641	4047727.529338	32,100		-109.215758	36.561648	11/8/2012	094545	1966.83	NMEA 0183	12	2	2
659665.699042	4047738.040557	32,100		-109.215793	36.561743	11/8/2012	094702	1966.60	NMEA 0183	12	2	2
659692.056446	4047735.603537	32,100		-109.215500	36.561716	11/8/2012	094835	1964.54	NMEA 0183	12	2	2
659692.587552	4047737.618415	32,100		-109.215493	36.561735	11/8/2012	094850	1964.72	NMEA 0183	12	2	2
659680.109927	4047740.135431	32,100		-109.215632	36.561759	11/8/2012	094901	1964.50	NMEA 0183	12	2	2
659665.001823	4047744.414461	32,100		-109.215800	36.561800	11/8/2012	094915	1965.93	NMEA 0183	12	2	2
659662.834212	4047744.953180	32,100		-109.215824	36.561806	11/8/2012	094917	1966.45	NMEA 0183	12	2	2
659663.731975	4047748.116094	32,100		-109.215813	36.561834	11/8/2012	094928	1966.27	NMEA 0183	12	2	2
659689.633267	4047742.435566	32,100		-109.215525	36.561778	11/8/2012	094951	1964.07	NMEA 0183	12	2	2
659690.126116	4047744.984283	32,100		-109.215519	36.561801	11/8/2012	0					



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659661.014665	4047769.514217	32,100		-109.215839	36.562027	11/8/2012	095353	1967.15	NMEA 0183	12	2	2
659677.173957	4047771.384431	32,100		-109.215658	36.562041	11/8/2012	095422	1965.45	NMEA 0183	12	2	2
659666.748583	4047775.239853	32,100		-109.215774	36.562078	11/8/2012	095437	1965.66	NMEA 0183	12	2	2
659678.221212	4047778.793219	32,100		-109.215645	36.562108	11/8/2012	095520	1964.53	NMEA 0183	12	2	2
659670.496421	4047784.426327	32,100		-109.215730	36.562160	11/8/2012	095545	1965.20	NMEA 0183	12	2	2
659620.574669	4047807.345771	32,100		-109.216283	36.562375	11/8/2012	095818	1967.61	NMEA 0183	12	2	2
659626.866133	4047808.594473	32,100		-109.216213	36.562385	11/8/2012	095900	1966.88	NMEA 0183	12	2	2
659631.937485	4047676.146346	32,100		-109.216183	36.561191	11/8/2012	114244	1971.14	NMEA 0183	12	2	2
659632.496166	4047680.214841	32,100		-109.216176	36.561227	11/8/2012	114247	1970.96	NMEA 0183	12	2	2
659580.986002	4047642.808358	32,100		-109.216759	36.560899	11/2/2012	111247	1966.22	NMEA 0183	12	2	2
659629.747068	4047644.051282	32,100		-109.216214	36.560902	11/8/2012	114346	1973.12	NMEA 0183	12	2	2
659542.697284	4047596.471229	32,100		-109.217197	36.560488	10/27/2012	114817	1966.01	NMEA 0183	12	2	2
659573.753534	4047710.961424	32,100		-109.216826	36.561514	10/27/2012	115027	1963.73	NMEA 0183	12	2	2
659579.302621	4047718.612752	32,100		-109.216762	36.561582	10/27/2012	115447	1963.80	NMEA 0183	12	2	2
659586.341522	4047639.256473	32,100		-109.216700	36.560866	11/2/2012	110903	1967.23	NMEA 0183	12	2	2
659578.283922	4047622.763542	32,100		-109.216794	36.560719	11/2/2012	111019	1967.21	NMEA 0183	12	2	2
659562.171951	4047597.564788	32,100		-109.216979	36.560494	11/2/2012	111057	1967.22	NMEA 0183	12	2	2
659571.427140	4047620.771938	32,100		-109.216871	36.560702	11/2/2012	111147	1966.46	NMEA 0183	12	2	2
659565.017436	4047610.683471	32,100		-109.216944	36.560612	11/2/2012	111328	1966.15	NMEA 0183	12	2	2
659596.890515	4047833.158514	32,200		-109.216542	36.562611	10/27/2012	114416	1961.25	NMEA 0183	12	2	2
659581.507486	4047701.744150	32,200		-109.216741	36.561430	11/1/2012	161721	1962.60	NMEA 0183	12	2	2
659585.915784	4047704.611479	32,200		-109.216692	36.561455	11/1/2012	161822	1963.48	NMEA 0183	12	2	2
659584.299340	4047697.878371	32,200		-109.216711	36.561395	11/1/2012	161829	1963.35	NMEA 0183	12	2	2
659631.722654	4047684.428791	32,200		-109.216184	36.561265	11/2/2012	104845	1971.67	NMEA 0183	12	2	2
659620.956103	4047637.495815	32,200		-109.216314	36.560844	11/2/2012	105036	1974.01	NMEA 0183	12	2	2
659617.226171	4047633.048505	32,200		-109.216357	36.560805	11/2/2012	105303	1973.64	NMEA 0183	12	2	2
659616.452701	4047636.616928	32,200		-109.216365	36.560837	11/2/2012	105308	1973.35	NMEA 0183	12	2	2
659616.305784	4047640.676033	32,200		-109.216365	36.560874	11/2/2012	105313	1972.95	NMEA 0183	12	2	2
659620.249937	4047686.422592	32,200		-109.216312	36.561285	11/2/2012	105442	1970.02	NMEA 0183	12	2	2
659620.092526	4047683.486128	32,200		-109.216314	36.561259	11/2/2012	105445	1969.99	NMEA 0183	12	2	2
659619.643332	4047678.824077	32,200		-109.216320	36.561217	11/2/2012	105450	1970.29	NMEA 0183	12	2	2
659610.575248	4047636.128728	32,200		-109.216430	36.560834	11/2/2012	105542	1972.69	NMEA 0183	12	2	2
659616.527847	4047678.255781	32,200		-109.216355	36.561212	11/2/2012	105628	1969.52	NMEA 0183	12	2	2
659616.588090	4047700.426798	32,200		-109.216350	36.561412	11/2/2012	105654	1969.42	NMEA 0183	12	2	2
659615.954994	4047696.347675	32,200		-109.216358	36.561375	11/2/2012	105659	1968.83	NMEA 0183	12	2	2
659635.750241	4047647.092495	32,200		-109.216147	36.560928	11/8/2012	092756	1971.80	NMEA 0183	12	2	2
659643.159036	4047652.786294	32,200		-109.216063	36.560978	11/8/2012	092851	1971.35	NMEA 0183	12	2	2
659660.182754	4047663.408398	32,200		-109.215871	36.561071	11/8/2012	093149	1969.31	NMEA 0183	12	2	2
659672.463669	4047675.035671	32,200		-109.215731	36.561174	11/8/2012	093403	1967.81	NMEA 0183	12	2	2
659670.226067	4047682.159694	32,200		-109.215754	36.561239	11/8/2012	093415	1968.33	NMEA 0183	12	2	2
659660.644686	4047681.857980	32,200		-109.215862	36.561237	11/8/2012	093425	1969.76	NMEA 0183	12	2	2
659649.942419	4047682.295685	32,200		-109.215981	36.561243	11/8/2012	093456	1970.18	NMEA 0183	12	2	2
659650.004479	4047682.971959	32,200		-109.215980	36.561249	11/8/2012	093459	1970.45	NMEA 0183	12	2	2
659666.274639	4047683.540197	32,200		-109.215798	36.561252	11/8/2012	093532	1968.56	NMEA 0183	12	2	2
659675.893795	4047680.439263	32,200		-109.215692	36.561222	11/8/2012	093541	1967.30	NMEA 0183	12	2	2
659677.769130	4047685.841748	32,200		-109.215669	36.561270	11/8/2012	093705	1967.06	NMEA 0183	12	2	2
659664.179210	4047690.722349	32,200		-109.215820	36.561317	11/8/2012	093738	1967.79	NMEA 0183	12	2	2
659669.814154	4047691.733239	32,200		-109.215757	36.561325	11/8/2012	093801	1967.24	NMEA 0183	12	2	2
659671.673019	4047701.239791	32,200		-109.215734	36.561410	11/8/2012	093931	1967.47	NMEA 0183	12	2	2
659670.612148	4047701.479056	32,200		-109.215746	36.561413	11/8/2012	093932	1967.83	NMEA 0183	12	2	2
659670.973593	4047703.631357	32,200		-109.215742	36.561432	11/8/2012	094038	1968.09	NMEA 0183	12	2	2
659672.166138	4047703.372340	32,200		-109.215728	36.561429	11/8/2012	094039	1967.99	NMEA 0183	12	2	2
659675.834983	4047702.665418	32,200		-109.215688	36.561422	11/8/2012	094042	1967.69	NMEA 0183	12	2	2
659678.486986	4047720.489771	32,200		-109.215654	36.561583	11/8/2012	094430	1965.50	NMEA 0183	12	2	2
659683.120123	4047728.285094	32,200		-109.215601	36.561652	11/8/2012	094617	1965.07	NMEA 0183	12	2	2
659661.854915	4047736.132523	32,200		-109.215837	36.561726	11/8/2012	094650	1966.96	NMEA 0183	12	2	2
659673.256664	4047740.211715	32,200		-109.215709	36.561761	11/8/2012	094817	1965.81	NMEA 0183	12	2	2
659659.840479	4047753.023143	32,200		-109.215856	36.561879	11/8/2012	095039	1966.83	NMEA 0183	12	2	2
659662.120086	4047761.405516	32,200		-109.215829	36.561954	11/8/2012	095226	1966.44	NMEA 0183	12	2	2
659676.169008	4047764.429592	32,200		-109.215671	36.561979	11/8/2012	095329	1964.95	NMEA 0183	12	2	2
659624.730193	4047806.220589	32,200		-109.216237	36.562364	11/8/2012	095822	1967.62	NMEA 0183	12	2	2
659610.856184	4047823.290735	32,200		-109.216388	36.562520	11/8/2012	100048	1963.81	NMEA 0183	12	2	2
659662.959522	4047676.039391	32,200		-109.215837	36.561185	11/8/2012	093346	1968.67	NMEA 0183	12	2	2
659662.106334	4047678.997797	32,200		-109.215846	36.561211	11/8/2012	093352	1969.01	NMEA 0183	12	2	2
659649.001235	4047696.672198	32,200		-109.215989	36.561373	11/8/2012	094003	1970.61	NMEA 0183	12	2	2
659657.458270	4047713.660928	32,200		-109.215891	36.561525	11/8/2012	094136	1967.38	NMEA 0183	12	2	2
659688.547555	4047727.692199	32,200		-109.215540	36.561646	11/8/2012	094622	1964.95	NMEA 0183	12	2	2
659639.154171	4047802.215497	32,200		-109.216077	36.562326	11/8/2012	095835	1967.30	NMEA 0183	12	2	2
659532.178368	4047580.012248	32,200		-109.217318	36.560341	10/27/2012	113545	1965.31	NMEA 0183	12	2	2
659564.951491	4047688.670842	32,200		-109.216929	36.561315	10/27/2012	114705	1963.13	NMEA 0183	12	2	2
659555.240653	4047645.218237	32,200		-109.217046	36.560925	10/27/2012	114739	1964.41	NMEA 0183	12	2	2
659546.663610	4047612.314872	32,200		-109.217149	36.560630	10/27/2012	114805	1965.43	NMEA 0183	12	2	2
659541.627571	4047588.414673	32,200		-109.217210	36.560415	10/27/2012	114835	1966.73	NMEA 0183	12	2	2
659546.724755	4047596.301748	32,200		-109.217152	36.560486	10/27/2012	114844	1966.25	NMEA 0183	12	2	2
659571.363548	4047701.605968	32,200		-109.216855	36.561430	10/27/2012	115020	1963.46	NMEA 0183	12	2	2
659578.095707	4047730.589044	32,200		-109.216773	36.561690	10/27/2012	115042	1964.29	NMEA 0183	12	2	2
659579.748184	4047721.299308	32,200		-109.216757	36.561606	10/27/2012	115445	1963.82	NMEA 0183	12	2	2
659578.810218	4047715.877237	32,200		-109.216769	36.561558	10/27/2012	115449	1963.85	NMEA 0183	12	2	2
659556.786251	4047610.871175	32,200		-109.217036	36.560615	11/1/2012	161533	1964.77	NMEA 0183	12	2	2
659584.497876	4047714.125673	32,200		-109.216705	36.561541	1						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659594.137296	4047719.019211	32,200		-109.216597	36.561583	11/1/2012	162130	1965.06	NMEA 0183	12	2	2
659624.568357	4047633.486196	32,200		-109.216275	36.560808	11/2/2012	104641	1975.01	NMEA 0183	12	2	2
659632.170803	4047687.940341	32,200		-109.216178	36.561297	11/2/2012	104849	1971.70	NMEA 0183	12	2	2
659631.339003	4047696.744040	32,200		-109.216186	36.561376	11/2/2012	104918	1971.61	NMEA 0183	12	2	2
659628.319282	4047698.574662	32,200		-109.216219	36.561393	11/2/2012	105139	1971.57	NMEA 0183	12	2	2
659621.481792	4047654.363272	32,200		-109.216305	36.560996	11/2/2012	105239	1972.26	NMEA 0183	12	2	2
659618.889261	4047635.335927	32,200		-109.216338	36.560825	11/2/2012	105259	1973.72	NMEA 0183	12	2	2
659581.178560	4047699.607254	32,300		-109.216745	36.561411	11/1/2012	161719	1962.70	NMEA 0183	12	2	2
659581.971875	4047703.898356	32,300		-109.216736	36.561449	11/1/2012	161723	1962.73	NMEA 0183	12	2	2
659589.340962	4047717.846358	32,300		-109.216651	36.561574	11/1/2012	161807	1964.49	NMEA 0183	12	2	2
659588.153508	4047712.360470	32,300		-109.216665	36.561524	11/1/2012	161814	1964.00	NMEA 0183	12	2	2
659588.711174	4047698.463300	32,300		-109.216662	36.561399	11/1/2012	162059	1963.61	NMEA 0183	12	2	2
659592.384744	4047713.752198	32,300		-109.216617	36.561536	11/1/2012	162114	1964.34	NMEA 0183	12	2	2
659595.595107	4047717.490695	32,300		-109.216581	36.561569	11/1/2012	162138	1965.16	NMEA 0183	12	2	2
659624.677486	4047633.636193	32,300		-109.216273	36.560809	11/2/2012	104652	1975.02	NMEA 0183	12	2	2
659619.424139	4047638.998907	32,300		-109.216331	36.560858	11/2/2012	105255	1973.49	NMEA 0183	12	2	2
659619.668594	4047680.679744	32,300		-109.216319	36.561234	11/2/2012	105448	1970.20	NMEA 0183	12	2	2
659616.708242	4047682.929493	32,300		-109.216352	36.561254	11/2/2012	105633	1969.21	NMEA 0183	12	2	2
659605.071324	4047645.267485	32,300		-109.216490	36.560917	11/2/2012	105902	1970.41	NMEA 0183	12	2	2
659612.722825	4047688.234345	32,300		-109.216395	36.561303	11/2/2012	105954	1967.94	NMEA 0183	12	2	2
659612.689200	4047689.162245	32,300		-109.216396	36.561311	11/2/2012	105955	1967.99	NMEA 0183	12	2	2
659635.421759	4047631.258950	32,300		-109.216154	36.560786	11/8/2012	092446	1972.79	NMEA 0183	12	2	2
659646.511694	4047634.459278	32,300		-109.216029	36.560813	11/8/2012	092621	1971.39	NMEA 0183	12	2	2
659633.865814	4047639.523913	32,300		-109.216169	36.560860	11/8/2012	092642	1972.65	NMEA 0183	12	2	2
659642.233286	4047643.248972	32,300		-109.216075	36.560893	11/8/2012	092730	1971.61	NMEA 0183	12	2	2
659634.442217	4047650.036917	32,300		-109.216161	36.560955	11/8/2012	092801	1972.30	NMEA 0183	12	2	2
659634.450430	4047652.650624	32,300		-109.216160	36.560979	11/8/2012	092842	1972.46	NMEA 0183	12	2	2
659638.549924	4047657.123295	32,300		-109.216113	36.561018	11/8/2012	092921	1971.70	NMEA 0183	12	2	2
659662.187085	4047672.394195	32,300		-109.215846	36.561152	11/8/2012	093245	1969.35	NMEA 0183	12	2	2
659640.017785	4047685.455718	32,300		-109.216091	36.561273	11/8/2012	093444	1971.09	NMEA 0183	12	2	2
659676.599670	4047683.811326	32,300		-109.215683	36.561252	11/8/2012	093557	1967.38	NMEA 0183	12	2	2
659669.770350	4047685.328937	32,300		-109.215759	36.561267	11/8/2012	093603	1968.18	NMEA 0183	12	2	2
659654.259015	4047688.818106	32,300		-109.215931	36.561301	11/8/2012	093616	1969.16	NMEA 0183	12	2	2
659642.319567	4047693.851441	32,300		-109.216064	36.561349	11/8/2012	093630	1970.68	NMEA 0183	12	2	2
659681.172452	4047684.166233	32,300		-109.215632	36.561255	11/8/2012	093709	1966.88	NMEA 0183	12	2	2
659656.495642	4047694.371563	32,300		-109.215905	36.561351	11/8/2012	093748	1968.96	NMEA 0183	12	2	2
659669.191445	4047699.479116	32,300		-109.215762	36.561395	11/8/2012	093858	1968.29	NMEA 0183	12	2	2
659648.577522	4047703.424807	32,300		-109.215992	36.561434	11/8/2012	093952	1969.92	NMEA 0183	12	2	2
659647.984857	4047702.877413	32,300		-109.215999	36.561429	11/8/2012	093953	1970.05	NMEA 0183	12	2	2
659652.351854	4047706.924087	32,300		-109.215949	36.561465	11/8/2012	094022	1969.19	NMEA 0183	12	2	2
659676.981871	4047702.374110	32,300		-109.215675	36.561420	11/8/2012	094043	1967.59	NMEA 0183	12	2	2
659685.005401	4047708.869157	32,300		-109.215584	36.561477	11/8/2012	094313	1965.55	NMEA 0183	12	2	2
659679.222750	4047714.773208	32,300		-109.215647	36.561531	11/8/2012	094327	1966.06	NMEA 0183	12	2	2
659671.590702	4047718.058983	32,300		-109.215732	36.561562	11/8/2012	094334	1965.91	NMEA 0183	12	2	2
659680.876157	4047715.490112	32,300		-109.215629	36.561537	11/8/2012	094414	1966.30	NMEA 0183	12	2	2
659679.708814	4047720.099973	32,300		-109.215641	36.561579	11/8/2012	094429	1965.53	NMEA 0183	12	2	2
659666.760621	4047722.806190	32,300		-109.215785	36.561605	11/8/2012	094441	1966.57	NMEA 0183	12	2	2
659685.090291	4047730.827933	32,300		-109.215578	36.561675	11/8/2012	094628	1965.35	NMEA 0183	12	2	2
659659.012017	4047738.003409	32,300		-109.215868	36.561744	11/8/2012	094654	1967.45	NMEA 0183	12	2	2
659684.677256	4047733.063894	32,300		-109.215582	36.561695	11/8/2012	094719	1965.41	NMEA 0183	12	2	2
659696.618606	4047734.680148	32,300		-109.215449	36.561707	11/8/2012	094840	1964.15	NMEA 0183	12	2	2
659684.345376	4047750.303876	32,300		-109.215583	36.561850	11/8/2012	095103	1964.22	NMEA 0183	12	2	2
659694.780637	4047750.741695	32,300		-109.215466	36.561852	11/8/2012	095130	1963.36	NMEA 0183	12	2	2
659681.488475	4047757.029826	32,300		-109.215613	36.561911	11/8/2012	095245	1964.46	NMEA 0183	12	2	2
659664.637386	4047774.266604	32,300		-109.215798	36.562069	11/8/2012	095434	1965.91	NMEA 0183	12	2	2
659673.277349	4047783.723275	32,300		-109.215699	36.562153	11/8/2012	095548	1964.38	NMEA 0183	12	2	2
659674.365984	4047786.329288	32,300		-109.215687	36.562177	11/8/2012	095603	1964.43	NMEA 0183	12	2	2
659668.994641	4047786.555151	32,300		-109.215747	36.562179	11/8/2012	095609	1965.08	NMEA 0183	12	2	2
659676.274112	4047788.676761	32,300		-109.215665	36.562197	11/8/2012	095627	1964.05	NMEA 0183	12	2	2
659677.919656	4047794.480058	32,300		-109.215645	36.562249	11/8/2012	095658	1963.23	NMEA 0183	12	2	2
659619.506921	4047810.289102	32,300		-109.216294	36.562402	11/8/2012	095907	1966.80	NMEA 0183	12	2	2
659626.676989	4047818.629014	32,300		-109.216213	36.562476	11/8/2012	100032	1964.68	NMEA 0183	12	2	2
659624.363446	4047819.072552	32,300		-109.216238	36.562480	11/8/2012	100034	1964.64	NMEA 0183	12	2	2
659606.176795	4047831.261008	32,300		-109.216439	36.562593	11/8/2012	100142	1962.00	NMEA 0183	12	2	2
659632.025132	4047662.654777	32,300		-109.216185	36.561069	11/8/2012	114332	1972.00	NMEA 0183	12	2	2
659581.652318	4047633.672351	32,300		-109.216754	36.560816	11/2/2012	111003	1966.14	NMEA 0183	12	2	2
659579.242956	4047633.969853	32,300		-109.216781	36.560820	11/2/2012	111209	1966.11	NMEA 0183	12	2	2
659570.290874	4047620.168228	32,300		-109.216884	36.560697	11/2/2012	111316	1966.31	NMEA 0183	12	2	2
659567.535510	4047614.501599	32,300		-109.216915	36.560646	11/2/2012	111323	1966.28	NMEA 0183	12	2	2
659631.642151	4047631.420038	32,300		-109.216196	36.560788	11/8/2012	092440	1973.35	NMEA 0183	12	2	2
659636.304670	4047638.601791	32,300		-109.216142	36.560852	11/8/2012	092639	1972.35	NMEA 0183	12	2	2
659634.255179	4047645.078236	32,300		-109.216164	36.560910	11/8/2012	092722	1972.20	NMEA 0183	12	2	2
659636.405699	4047664.926030	32,300		-109.216136	36.561089	11/8/2012	093013	1971.69	NMEA 0183	12	2	2
659656.947226	4047667.138297	32,300		-109.215906	36.561105	11/8/2012	093201	1969.14	NMEA 0183	12	2	2
659662.040967	4047743.153549	32,300		-109.215833	36.561790	11/8/2012	094807	1966.46	NMEA 0183	12	2	2
659675.974996	4047749.073894	32,300		-109.215676	36.561841	11/8/2012	095024	1965.53	NMEA 0183	12	2	2
659684.644770	4047753.548170	32,300		-109.215579	36.561879	11/8/2012	095200	1964.43	NMEA 0183	12	2	2
659671.966024	4047756.290821	32,300		-109.215720	36.561906	11/8/2012	095211	1965.34	NMEA 0183	12	2	2
659636.637779	4047800.885153	32,300		-109.216105	36.562314	11/8/2012	095757	1967.97	NMEA 0183	12	2	2
659634.108226	4047809.674001	32,300		-109.216131	36.562394	11/8/2012	0					



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659628.870055	4047811.167520	32,300		-109.216190	36.562408	11/8/2012	095957	1966.47	NMEA 0183	12	2	2
659633.300216	4047688.349720	32,300		-109.216166	36.561301	11/8/2012	114253	1971.10	NMEA 0183	12	2	2
659633.916877	4047657.120577	32,300		-109.216165	36.561019	11/8/2012	114419	1972.58	NMEA 0183	12	2	2
659547.103665	4047613.529002	32,300		-109.217144	36.560641	10/27/2012	114804	1965.48	NMEA 0183	12	2	2
659547.979307	4047600.505215	32,300		-109.217137	36.560523	10/27/2012	114900	1965.94	NMEA 0183	12	2	2
659576.666066	4047702.438614	32,400		-109.216795	36.561437	10/27/2012	115459	1963.28	NMEA 0183	12	2	2
659576.486112	4047701.038792	32,400		-109.216798	36.561424	10/27/2012	115500	1963.35	NMEA 0183	12	2	2
659583.709878	4047695.951203	32,400		-109.216718	36.561377	11/1/2012	161831	1963.45	NMEA 0183	12	2	2
659587.457107	4047692.948433	32,400		-109.216677	36.561350	11/1/2012	162054	1963.67	NMEA 0183	12	2	2
659588.086619	4047695.129747	32,400		-109.216669	36.561369	11/1/2012	162056	1963.65	NMEA 0183	12	2	2
659590.990951	4047708.047924	32,400		-109.216634	36.561485	11/1/2012	162108	1963.83	NMEA 0183	12	2	2
659612.460313	4047639.722419	32,400		-109.216408	36.560866	11/1/2012	162723	1971.83	NMEA 0183	12	2	2
659618.884250	4047625.229350	32,400		-109.216340	36.560734	11/1/2012	162744	1974.06	NMEA 0183	12	2	2
659622.324037	4047694.464502	32,400		-109.216287	36.561357	11/2/2012	105410	1970.47	NMEA 0183	12	2	2
659614.997535	4047649.424653	32,400		-109.216378	36.560953	11/2/2012	105520	1971.75	NMEA 0183	12	2	2
659615.504042	4047671.348695	32,400		-109.216368	36.561150	11/2/2012	105621	1969.72	NMEA 0183	12	2	2
659607.044779	4047636.453518	32,400		-109.216470	36.560837	11/2/2012	105843	1971.83	NMEA 0183	12	2	2
659604.885970	4047644.400261	32,400		-109.216492	36.560909	11/2/2012	105901	1970.52	NMEA 0183	12	2	2
659605.259078	4047646.166198	32,400		-109.216488	36.560925	11/2/2012	105903	1970.37	NMEA 0183	12	2	2
659605.592117	4047647.920294	32,400		-109.216483	36.560941	11/2/2012	105905	1970.26	NMEA 0183	12	2	2
659607.749010	4047638.628820	32,400		-109.216461	36.560857	11/2/2012	111553	1971.87	NMEA 0183	12	2	2
659618.724625	4047637.132582	32,400		-109.216339	36.560841	11/2/2012	111606	1973.32	NMEA 0183	12	2	2
659646.571240	4047630.043419	32,400		-109.216029	36.560773	11/8/2012	092547	1971.45	NMEA 0183	12	2	2
659634.257325	4047636.758551	32,400		-109.216166	36.560835	11/8/2012	092609	1972.47	NMEA 0183	12	2	2
659635.231888	4047650.260577	32,400		-109.216152	36.560957	11/8/2012	092802	1972.14	NMEA 0183	12	2	2
659652.808382	4047646.772694	32,400		-109.215956	36.560923	11/8/2012	092822	1970.37	NMEA 0183	12	2	2
659646.794560	4047678.486191	32,400		-109.216017	36.561209	11/8/2012	093318	1970.27	NMEA 0183	12	2	2
659668.671645	4047672.248170	32,400		-109.215774	36.561150	11/8/2012	093339	1968.20	NMEA 0183	12	2	2
659666.314376	4047677.538820	32,400		-109.215799	36.561198	11/8/2012	093356	1968.49	NMEA 0183	12	2	2
659650.693253	4047682.440941	32,400		-109.215973	36.561244	11/8/2012	093458	1970.18	NMEA 0183	12	2	2
659679.690034	4047682.838419	32,400		-109.215649	36.561243	11/8/2012	093554	1966.93	NMEA 0183	12	2	2
659670.971059	4047684.951693	32,400		-109.215746	36.561264	11/8/2012	093602	1967.98	NMEA 0183	12	2	2
659669.857228	4047689.653182	32,400		-109.215757	36.561306	11/8/2012	093733	1967.29	NMEA 0183	12	2	2
659677.067798	4047689.783286	32,400		-109.215676	36.561306	11/8/2012	093808	1966.94	NMEA 0183	12	2	2
659688.268966	4047689.075576	32,400		-109.215551	36.561298	11/8/2012	093820	1965.77	NMEA 0183	12	2	2
659675.101303	4047694.600276	32,400		-109.215697	36.561350	11/8/2012	093834	1967.63	NMEA 0183	12	2	2
659672.020168	4047695.558558	32,400		-109.215732	36.561359	11/8/2012	093837	1968.00	NMEA 0183	12	2	2
659666.972611	4047699.963244	32,400		-109.215787	36.561400	11/8/2012	093856	1968.49	NMEA 0183	12	2	2
659684.913007	4047699.535957	32,400		-109.215587	36.561393	11/8/2012	093919	1966.39	NMEA 0183	12	2	2
659672.881182	4047701.023605	32,400		-109.215721	36.561408	11/8/2012	093930	1967.41	NMEA 0183	12	2	2
659658.237207	4047702.882673	32,400		-109.215884	36.561427	11/8/2012	093943	1969.18	NMEA 0183	12	2	2
659655.842911	4047707.033254	32,400		-109.215910	36.561465	11/8/2012	094025	1968.86	NMEA 0183	12	2	2
659673.425137	4047703.070164	32,400		-109.215714	36.561426	11/8/2012	094040	1967.93	NMEA 0183	12	2	2
659658.029784	4047710.040669	32,400		-109.215885	36.561492	11/8/2012	094124	1967.96	NMEA 0183	12	2	2
659665.857448	4047710.848089	32,400		-109.215797	36.561498	11/8/2012	094144	1967.36	NMEA 0183	12	2	2
659677.277739	4047711.276418	32,400		-109.215670	36.561500	11/8/2012	094219	1966.73	NMEA 0183	12	2	2
659664.666856	4047716.228825	32,400		-109.215809	36.561546	11/8/2012	094253	1966.66	NMEA 0183	12	2	2
659687.808982	4047709.760928	32,400		-109.215552	36.561484	11/8/2012	094316	1965.34	NMEA 0183	12	2	2
659686.432194	4047712.872384	32,400		-109.215567	36.561513	11/8/2012	094320	1965.57	NMEA 0183	12	2	2
659663.580980	4047723.927266	32,400		-109.215820	36.561616	11/8/2012	094357	1966.88	NMEA 0183	12	2	2
659684.349324	4047718.573195	32,400		-109.215589	36.561564	11/8/2012	094425	1965.89	NMEA 0183	12	2	2
659666.369800	4047727.624675	32,400		-109.215788	36.561649	11/8/2012	094504	1966.99	NMEA 0183	12	2	2
659682.734078	4047724.885671	32,400		-109.215606	36.561621	11/8/2012	094530	1965.07	NMEA 0183	12	2	2
659675.566804	4047726.846469	32,400		-109.215686	36.561640	11/8/2012	094537	1966.17	NMEA 0183	12	2	2
659659.093413	4047737.074545	32,400		-109.215867	36.561735	11/8/2012	094653	1967.28	NMEA 0183	12	2	2
659690.528725	4047738.003775	32,400		-109.215516	36.561738	11/8/2012	094852	1964.89	NMEA 0183	12	2	2
659683.897950	4047739.438124	32,400		-109.215590	36.561752	11/8/2012	094858	1964.78	NMEA 0183	12	2	2
659674.205998	4047746.063129	32,400		-109.215697	36.561814	11/8/2012	094937	1965.14	NMEA 0183	12	2	2
659681.647316	4047746.942931	32,400		-109.215613	36.561820	11/8/2012	095018	1964.81	NMEA 0183	12	2	2
659664.693031	4047715.727798	32,400		-109.215802	36.561866	11/8/2012	095034	1966.38	NMEA 0183	12	2	2
659694.861203	4047756.530748	32,400		-109.215464	36.561905	11/8/2012	095149	1963.81	NMEA 0183	12	2	2
659661.489628	4047764.985838	32,400		-109.215835	36.561986	11/8/2012	095308	1966.33	NMEA 0183	12	2	2
659664.270810	4047771.265218	32,400		-109.215803	36.562042	11/8/2012	095400	1966.21	NMEA 0183	12	2	2
659672.356647	4047784.048375	32,400		-109.215710	36.562156	11/8/2012	095547	1964.70	NMEA 0183	12	2	2
659619.502669	4047807.542293	32,400		-109.216295	36.562377	11/8/2012	095817	1967.57	NMEA 0183	12	2	2
659620.468816	4047810.075740	32,400		-109.216284	36.562399	11/8/2012	095906	1966.88	NMEA 0183	12	2	2
659632.704910	4047808.828571	32,400		-109.216147	36.562386	11/8/2012	095926	1966.21	NMEA 0183	12	2	2
659633.029744	4047810.059066	32,400		-109.216143	36.562397	11/8/2012	095953	1966.32	NMEA 0183	12	2	2
659622.152274	4047819.708503	32,400		-109.216263	36.562486	11/8/2012	100036	1964.36	NMEA 0183	12	2	2
659634.399189	4047699.649273	32,400		-109.216151	36.561402	11/8/2012	114302	1970.90	NMEA 0183	12	2	2
659588.486734	4047714.828534	32,500		-109.216661	36.561547	11/1/2012	161811	1964.18	NMEA 0183	12	2	2
659587.566156	4047710.560966	32,500		-109.216672	36.561508	11/1/2012	161816	1963.84	NMEA 0183	12	2	2
659586.186040	4047705.567211	32,500		-109.216688	36.561464	11/1/2012	161821	1963.51	NMEA 0183	12	2	2
659584.533523	4047698.848232	32,500		-109.216708	36.561403	11/1/2012	161828	1963.39	NMEA 0183	12	2	2
659593.716034	4047708.425855	32,500		-109.216604	36.561488	11/1/2012	162151	1964.18	NMEA 0183	12	2	2
659615.808126	4047633.075841	32,500		-109.216372	36.560805	11/1/2012	162735	1972.88	NMEA 0183	12	2	2
659632.399353	4047692.189527	32,500		-109.216175	36.561335	11/2/2012	104854	1971.74	NMEA 0183	12	2	2
659631.008323	4047702.423729	32,500		-109.216188	36.561428	11/2/2012	104911	1971.45	NMEA 0183	12	2	2
659631.290381	4047699.123637	32,500		-109.216186	36.561398	11/2/2012	104915	1971.60	NMEA 0183	12	2	2
659623.248908	4047638.011858	32,500		-109.216288	36.560849	11/2/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659621.707679	4047644.277624	32,500		-109.216304	36.560905	11/2/2012	105043	1973.38	NMEA 0183	12	2	2
659617.906521	4047649.140128	32,500		-109.216346	36.560950	11/2/2012	105323	1972.25	NMEA 0183	12	2	2
659618.737419	4047671.996862	32,500		-109.216332	36.561156	11/2/2012	105457	1970.32	NMEA 0183	12	2	2
659610.989566	4047639.373299	32,500		-109.216425	36.560863	11/2/2012	105546	1972.45	NMEA 0183	12	2	2
659616.242064	4047676.367537	32,500		-109.216359	36.561195	11/2/2012	105626	1969.54	NMEA 0183	12	2	2
659616.124726	4047697.332987	32,500		-109.216356	36.561384	11/2/2012	105658	1968.91	NMEA 0183	12	2	2
659613.856758	4047674.725193	32,500		-109.216386	36.561181	11/2/2012	105721	1969.03	NMEA 0183	12	2	2
659612.163298	4047663.135321	32,500		-109.216407	36.561077	11/2/2012	105733	1969.77	NMEA 0183	12	2	2
659610.934245	4047701.561186	32,500		-109.216413	36.561423	11/2/2012	110018	1967.83	NMEA 0183	12	2	2
659608.826143	4047692.536485	32,500		-109.216438	36.561342	11/2/2012	110238	1967.33	NMEA 0183	12	2	2
659616.993525	4047637.546236	32,500		-109.216358	36.560845	11/2/2012	111604	1973.18	NMEA 0183	12	2	2
659639.766987	4047631.173094	32,500		-109.216105	36.560784	11/8/2012	092540	1972.03	NMEA 0183	12	2	2
659640.411685	4047637.843793	32,500		-109.216097	36.560844	11/8/2012	092635	1972.17	NMEA 0183	12	2	2
659661.026139	4047660.013293	32,500		-109.215862	36.561041	11/8/2012	093036	1969.67	NMEA 0183	12	2	2
659657.633020	4047662.907924	32,500		-109.215899	36.561067	11/8/2012	093041	1969.56	NMEA 0183	12	2	2
659667.975800	4047671.632272	32,500		-109.215782	36.561144	11/8/2012	093338	1968.26	NMEA 0183	12	2	2
659682.748754	4047680.113307	32,500		-109.215615	36.561218	11/8/2012	093549	1966.42	NMEA 0183	12	2	2
659682.809796	4047681.085506	32,500		-109.215614	36.561227	11/8/2012	093550	1966.49	NMEA 0183	12	2	2
659661.755825	4047690.409183	32,500		-109.215847	36.561314	11/8/2012	093650	1968.28	NMEA 0183	12	2	2
659672.414943	4047687.149976	32,500		-109.215729	36.561283	11/8/2012	093700	1967.51	NMEA 0183	12	2	2
659680.473722	4047696.651353	32,500		-109.215637	36.561367	11/8/2012	093908	1966.88	NMEA 0183	12	2	2
659679.409326	4047701.904954	32,500		-109.215648	36.561415	11/8/2012	094045	1967.08	NMEA 0183	12	2	2
659683.257344	4047706.176920	32,500		-109.215604	36.561453	11/8/2012	094200	1965.97	NMEA 0183	12	2	2
659668.920218	4047712.728677	32,500		-109.215763	36.561514	11/8/2012	094227	1967.22	NMEA 0183	12	2	2
659662.536450	4047712.832179	32,500		-109.215834	36.561516	11/8/2012	094233	1967.65	NMEA 0183	12	2	2
659665.524930	4047716.303936	32,500		-109.215800	36.561547	11/8/2012	094254	1967.00	NMEA 0183	12	2	2
659669.733505	4047716.182268	32,500		-109.215753	36.561545	11/8/2012	094258	1966.39	NMEA 0183	12	2	2
659668.026649	4047719.230263	32,500		-109.215771	36.561573	11/8/2012	094337	1966.22	NMEA 0183	12	2	2
659662.593867	4047724.534131	32,500		-109.215831	36.561622	11/8/2012	094356	1967.15	NMEA 0183	12	2	2
659670.909201	4047719.886738	32,500		-109.215739	36.561578	11/8/2012	094404	1966.16	NMEA 0183	12	2	2
659675.496097	4047721.168580	32,500		-109.215688	36.561589	11/8/2012	094433	1965.84	NMEA 0183	12	2	2
659683.777545	4047724.538805	32,500		-109.215594	36.561618	11/8/2012	094529	1964.97	NMEA 0183	12	2	2
659664.328811	4047739.914722	32,500		-109.215808	36.561760	11/8/2012	094755	1966.43	NMEA 0183	12	2	2
659686.150036	4047738.930572	32,500		-109.215565	36.561747	11/8/2012	094856	1964.91	NMEA 0183	12	2	2
659680.185048	4047747.585368	32,500		-109.215630	36.561826	11/8/2012	095020	1965.19	NMEA 0183	12	2	2
659668.985096	4047789.079747	32,500		-109.215746	36.562202	11/8/2012	095620	1964.28	NMEA 0183	12	2	2
659675.423229	4047788.616580	32,500		-109.215674	36.562197	11/8/2012	095626	1964.14	NMEA 0183	12	2	2
659673.115426	4047795.504394	32,500		-109.215699	36.562259	11/8/2012	095652	1964.42	NMEA 0183	12	2	2
659673.971744	4047795.512886	32,500		-109.215689	36.562259	11/8/2012	095653	1964.34	NMEA 0183	12	2	2
659608.514023	4047824.874980	32,500		-109.216414	36.562535	11/8/2012	100052	1963.15	NMEA 0183	12	2	2
659627.976138	4047827.984601	32,500		-109.216196	36.562560	11/8/2012	100203	1963.38	NMEA 0183	12	2	2
659630.911282	4047668.001797	32,500		-109.216197	36.561118	11/8/2012	114238	1971.46	NMEA 0183	12	2	2
659633.782463	4047674.580626	32,500		-109.216163	36.561176	11/8/2012	114323	1971.38	NMEA 0183	12	2	2
659623.335959	4047656.726376	32,500		-109.216283	36.561017	11/2/2012	105056	1972.56	NMEA 0183	12	2	2
659610.473255	4047670.828108	32,500		-109.216424	36.561146	11/2/2012	105936	1968.60	NMEA 0183	12	2	2
659603.203285	4047663.683088	32,500		-109.216507	36.561083	11/2/2012	110209	1968.24	NMEA 0183	12	2	2
659600.059575	4047655.867349	32,500		-109.216544	36.561013	11/2/2012	110335	1968.37	NMEA 0183	12	2	2
659591.858735	4047651.283486	32,500		-109.216636	36.560973	11/2/2012	110646	1967.14	NMEA 0183	12	2	2
659627.578468	4047645.929139	32,500		-109.216238	36.560919	11/8/2012	114221	1972.55	NMEA 0183	12	2	2
659551.179821	4047613.469556	32,500		-109.217098	36.560640	10/27/2012	114911	1965.59	NMEA 0183	12	2	2
659564.578776	4047641.098360	32,500		-109.216943	36.560886	10/27/2012	115708	1965.04	NMEA 0183	12	2	2
659572.519598	4047676.601655	32,500		-109.216847	36.561205	10/27/2012	115738	1963.71	NMEA 0183	12	2	2
659576.561364	4047692.555847	32,600		-109.216799	36.561348	10/27/2012	115750	1963.71	NMEA 0183	12	2	2
659581.003007	4047705.774428	32,600		-109.216746	36.561466	10/27/2012	115800	1963.67	NMEA 0183	12	2	2
659589.459621	4047718.608765	32,600		-109.216649	36.561580	11/1/2012	161806	1964.55	NMEA 0183	12	2	2
659626.984492	4047648.589014	32,600		-109.216244	36.560943	11/2/2012	104806	1973.53	NMEA 0183	12	2	2
659626.006299	4047689.092991	32,600		-109.216247	36.561308	11/2/2012	105205	1971.01	NMEA 0183	12	2	2
659618.350314	4047651.197772	32,600		-109.216340	36.560968	11/2/2012	105325	1972.08	NMEA 0183	12	2	2
659612.283860	4047634.031474	32,600		-109.216412	36.560815	11/2/2012	105537	1973.11	NMEA 0183	12	2	2
659616.802586	4047684.037333	32,600		-109.216351	36.561264	11/2/2012	105634	1969.15	NMEA 0183	12	2	2
659607.692495	4047639.905880	32,600		-109.216462	36.560868	11/2/2012	105839	1971.61	NMEA 0183	12	2	2
659612.285551	4047701.269962	32,600		-109.216398	36.561420	11/2/2012	110009	1968.27	NMEA 0183	12	2	2
659603.655050	4047687.916325	32,600		-109.216497	36.561302	11/2/2012	110503	1966.43	NMEA 0183	12	2	2
659592.045030	4047643.089296	32,600		-109.216636	36.560900	11/2/2012	111529	1967.92	NMEA 0183	12	2	2
659619.565459	4047637.011305	32,600		-109.216330	36.560840	11/2/2012	111607	1973.46	NMEA 0183	12	2	2
659635.415519	4047638.914534	32,600		-109.216152	36.560855	11/8/2012	092640	1972.46	NMEA 0183	12	2	2
659650.594870	4047643.028626	32,600		-109.215982	36.560889	11/8/2012	092740	1971.20	NMEA 0183	12	2	2
659651.500967	4047647.995101	32,600		-109.215971	36.560934	11/8/2012	092824	1970.54	NMEA 0183	12	2	2
659657.436683	4047654.510570	32,600		-109.215903	36.560992	11/8/2012	092947	1970.15	NMEA 0183	12	2	2
659646.743698	4047671.254966	32,600		-109.216019	36.561144	11/8/2012	093215	1970.64	NMEA 0183	12	2	2
659647.962110	4047678.126825	32,600		-109.216004	36.561206	11/8/2012	093319	1970.13	NMEA 0183	12	2	2
659651.432547	4047676.935303	32,600		-109.215965	36.561195	11/8/2012	093322	1969.94	NMEA 0183	12	2	2
659652.532272	4047676.532137	32,600		-109.215953	36.561191	11/8/2012	093323	1969.80	NMEA 0183	12	2	2
659670.458961	4047676.363513	32,600		-109.215753	36.561186	11/8/2012	093400	1967.80	NMEA 0183	12	2	2
659669.362103	4047682.643068	32,600		-109.215764	36.561243	11/8/2012	093416	1968.35	NMEA 0183	12	2	2
659669.563628	4047682.558025	32,600		-109.215762	36.561242	11/8/2012	093535	1968.30	NMEA 0183	12	2	2
659665.036115	4047686.437813	32,600		-109.215812	36.561278	11/8/2012	093607	1968.56	NMEA 0183	12	2	2
659663.891989	4047689.716359	32,600		-109.215824	36.561308	11/8/2012	093652	1968.24	NMEA 0183	12	2	2
659673.428667	4047686.878392	32,600		-109.215718	36.561281	11/8/2012	093701	1967.44	NMEA 0183	12	2	2
659654.642141	4047699.693758	32,600		-109.215925	36.561399	11/8/2012</						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659684.024152	4047701.119409	32,600		-109.215596	36.561407	11/8/2012	094049	1966.59	NMEA 0183	12	2	2
659666.079312	4047708.621528	32,600		-109.215795	36.561478	11/8/2012	094117	1967.66	NMEA 0183	12	2	2
659654.121219	4047716.510359	32,600		-109.215927	36.561551	11/8/2012	094242	1967.70	NMEA 0183	12	2	2
659657.917348	4047722.131595	32,600		-109.215884	36.561601	11/8/2012	094346	1967.17	NMEA 0183	12	2	2
659667.323597	4047727.285391	32,600		-109.215778	36.561646	11/8/2012	094505	1966.94	NMEA 0183	12	2	2
659674.054472	4047725.764104	32,600		-109.215703	36.561631	11/8/2012	094539	1966.21	NMEA 0183	12	2	2
659668.672871	4047741.336327	32,600		-109.215760	36.561772	11/8/2012	094813	1966.02	NMEA 0183	12	2	2
659687.690013	4047745.518013	32,600		-109.215546	36.561807	11/8/2012	095011	1963.81	NMEA 0183	12	2	2
659685.489584	4047749.995872	32,600		-109.215570	36.561847	11/8/2012	095104	1963.95	NMEA 0183	12	2	2
659693.723544	4047750.938486	32,600		-109.215478	36.561854	11/8/2012	095131	1963.47	NMEA 0183	12	2	2
659679.246422	4047754.986897	32,600		-109.215639	36.561893	11/8/2012	095205	1964.90	NMEA 0183	12	2	2
659669.228900	4047768.222064	32,600		-109.215748	36.562014	11/8/2012	095345	1966.30	NMEA 0183	12	2	2
659618.274900	4047806.322793	32,600		-109.216309	36.562366	11/8/2012	095815	1967.74	NMEA 0183	12	2	2
659623.123590	4047818.102530	32,600		-109.216252	36.562471	11/8/2012	100015	1964.69	NMEA 0183	12	2	2
659630.944092	4047814.465081	32,600		-109.216166	36.562437	11/8/2012	100023	1965.40	NMEA 0183	12	2	2
659619.908080	4047823.331027	32,600		-109.216287	36.562519	11/8/2012	100103	1963.65	NMEA 0183	12	2	2
659627.477629	4047821.799371	32,600		-109.216203	36.562504	11/8/2012	100110	1964.03	NMEA 0183	12	2	2
659613.439290	4047829.470242	32,600		-109.216358	36.562575	11/8/2012	100149	1962.54	NMEA 0183	12	2	2
659634.711965	4047680.135721	32,600		-109.216152	36.561226	11/8/2012	114319	1971.20	NMEA 0183	12	2	2
659631.814084	4047661.322814	32,600		-109.216188	36.561057	11/8/2012	114333	1972.10	NMEA 0183	12	2	2
659626.210979	4047659.237894	32,600		-109.216251	36.561039	11/2/2012	105000	1972.68	NMEA 0183	12	2	2
659592.363356	4047701.791969	32,600		-109.216620	36.561428	11/1/2012	162158	1963.83	NMEA 0183	12	2	2
659556.506004	4047589.933505	32,600		-109.217044	36.560427	11/2/2012	111110	1967.32	NMEA 0183	12	2	2
659627.377705	4047644.686149	32,600		-109.216241	36.560908	11/8/2012	114220	1972.68	NMEA 0183	12	2	2
659594.748286	4047834.341397	32,600		-109.216566	36.562622	10/27/2012	112941	1961.34	NMEA 0183	12	2	2
659534.338835	4047581.228679	32,700		-109.217293	36.560352	10/27/2012	113553	1965.67	NMEA 0183	12	2	2
659547.143567	4047597.293527	32,700		-109.217147	36.560494	10/27/2012	114845	1966.31	NMEA 0183	12	2	2
659561.506554	4047626.125822	32,700		-109.216980	36.560752	10/27/2012	115657	1965.39	NMEA 0183	12	2	2
659607.658363	4047831.266294	32,700		-109.216422	36.562593	10/27/2012	120437	1962.56	NMEA 0183	12	2	2
659584.752996	4047699.806721	32,700		-109.216706	36.561412	11/1/2012	161827	1963.32	NMEA 0183	12	2	2
659584.015127	4047696.870590	32,700		-109.216714	36.561386	11/1/2012	161830	1963.37	NMEA 0183	12	2	2
659613.553597	4047638.540427	32,700		-109.216397	36.560855	11/1/2012	162726	1972.03	NMEA 0183	12	2	2
659631.694611	4047683.527491	32,700		-109.216185	36.561257	11/2/2012	104844	1971.67	NMEA 0183	12	2	2
659631.248106	4047698.346000	32,700		-109.216186	36.561391	11/2/2012	104916	1971.53	NMEA 0183	12	2	2
659628.336032	4047701.532563	32,700		-109.216218	36.561420	11/2/2012	105142	1971.52	NMEA 0183	12	2	2
659616.432404	4047635.941430	32,700		-109.216365	36.560831	11/2/2012	105307	1973.35	NMEA 0183	12	2	2
659622.018512	4047688.090490	32,700		-109.216292	36.561300	11/2/2012	105403	1970.41	NMEA 0183	12	2	2
659620.483341	4047688.319113	32,700		-109.216309	36.561302	11/2/2012	105440	1970.09	NMEA 0183	12	2	2
659619.632114	4047679.750543	32,700		-109.216320	36.561225	11/2/2012	105449	1970.25	NMEA 0183	12	2	2
659615.418566	4047691.401010	32,700		-109.216365	36.561331	11/2/2012	105704	1968.76	NMEA 0183	12	2	2
659607.505787	4047639.031232	32,700		-109.216464	36.560860	11/2/2012	105840	1971.67	NMEA 0183	12	2	2
659606.168889	4047650.370680	32,700		-109.216477	36.560963	11/2/2012	105908	1970.00	NMEA 0183	12	2	2
659609.281964	4047700.461440	32,700		-109.216431	36.561414	11/2/2012	110246	1967.39	NMEA 0183	12	2	2
659591.247773	4047647.619098	32,700		-109.216644	36.560941	11/2/2012	110642	1967.43	NMEA 0183	12	2	2
659613.642702	4047638.161052	32,700		-109.216396	36.560852	11/2/2012	111600	1972.73	NMEA 0183	12	2	2
659622.039017	4047636.149012	32,700		-109.216302	36.560832	11/2/2012	111610	1973.86	NMEA 0183	12	2	2
659640.395346	4047633.014055	32,700		-109.216098	36.560801	11/8/2012	092557	1972.23	NMEA 0183	12	2	2
659635.034812	4047633.456553	32,700		-109.216158	36.560806	11/8/2012	092602	1972.78	NMEA 0183	12	2	2
659640.520979	4047641.121551	32,700		-109.216095	36.560874	11/8/2012	092712	1971.82	NMEA 0183	12	2	2
659637.164255	4047644.547715	32,700		-109.216132	36.560905	11/8/2012	092725	1971.95	NMEA 0183	12	2	2
659644.254313	4047644.821676	32,700		-109.216052	36.560906	11/8/2012	092747	1971.28	NMEA 0183	12	2	2
659648.528318	4047654.606085	32,700		-109.216003	36.560994	11/8/2012	092912	1970.95	NMEA 0183	12	2	2
659636.056346	4047657.938971	32,700		-109.216141	36.561026	11/8/2012	092924	1972.14	NMEA 0183	12	2	2
659645.020255	4047658.066432	32,700		-109.216041	36.561026	11/8/2012	092935	1970.96	NMEA 0183	12	2	2
659640.618664	4047660.949758	32,700		-109.216090	36.561052	11/8/2012	093005	1971.51	NMEA 0183	12	2	2
659653.944617	4047661.370866	32,700		-109.215941	36.561054	11/8/2012	093029	1970.09	NMEA 0183	12	2	2
659658.169191	4047660.147097	32,700		-109.215894	36.561042	11/8/2012	093033	1969.85	NMEA 0183	12	2	2
659653.642952	4047664.842611	32,700		-109.215943	36.561085	11/8/2012	093143	1969.72	NMEA 0183	12	2	2
659665.147277	4047683.824470	32,700		-109.215811	36.561254	11/8/2012	093531	1968.74	NMEA 0183	12	2	2
659667.415837	4047683.233985	32,700		-109.215786	36.561249	11/8/2012	093533	1968.47	NMEA 0183	12	2	2
659679.758900	4047679.127449	32,700		-109.215649	36.561210	11/8/2012	093545	1966.64	NMEA 0183	12	2	2
659662.599518	4047686.997436	32,700		-109.215839	36.561283	11/8/2012	093609	1968.69	NMEA 0183	12	2	2
659661.459640	4047687.312922	32,700		-109.215851	36.561286	11/8/2012	093610	1968.84	NMEA 0183	12	2	2
659652.986693	4047689.114489	32,700		-109.215946	36.561304	11/8/2012	093617	1969.22	NMEA 0183	12	2	2
659650.451965	4047692.872189	32,700		-109.215973	36.561338	11/8/2012	093639	1969.44	NMEA 0183	12	2	2
659679.377969	4047689.121439	32,700		-109.215651	36.561300	11/8/2012	093810	1966.77	NMEA 0183	12	2	2
659681.758274	4047705.505422	32,700		-109.215621	36.561447	11/8/2012	094103	1966.70	NMEA 0183	12	2	2
659653.476292	4047710.979037	32,700		-109.215936	36.561501	11/8/2012	094128	1968.05	NMEA 0183	12	2	2
659661.430893	4047712.182784	32,700		-109.215846	36.561511	11/8/2012	094140	1967.61	NMEA 0183	12	2	2
659689.314257	4047705.273867	32,700		-109.215536	36.561444	11/8/2012	094206	1965.43	NMEA 0183	12	2	2
659657.088992	4047725.038672	32,700		-109.215892	36.561627	11/8/2012	094350	1967.63	NMEA 0183	12	2	2
659673.064465	4047718.646775	32,700		-109.215715	36.561567	11/8/2012	094406	1966.12	NMEA 0183	12	2	2
659677.468345	4047715.156823	32,700		-109.215667	36.561535	11/8/2012	094411	1966.50	NMEA 0183	12	2	2
659664.314590	4047724.678889	32,700		-109.215812	36.561623	11/8/2012	094444	1967.04	NMEA 0183	12	2	2
659678.906097	4047723.233182	32,700		-109.215649	36.561607	11/8/2012	094516	1965.16	NMEA 0183	12	2	2
659687.130857	4047722.984442	32,700		-109.215557	36.561604	11/8/2012	094526	1964.69	NMEA 0183	12	2	2
659672.332874	4047735.958873	32,700		-109.215720	36.561723	11/8/2012	094708	1966.24	NMEA 0183	12	2	2
659692.235153	4047732.808332	32,700		-109.215498	36.561691	11/8/2012	094728	1964.40	NMEA 0183	12	2	2
659659.895122	4047741.232637	32,700		-109.215858	36.561773	11/8/2012	094800	1967.42	NMEA 0183	12	2	2
659660.707099	4047745.400169	32,700		-109.215848	36.561810	11/8/2012</						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659686.519933	4047743.280416	32,700		-109.215560	36.561787	11/8/2012	094948	1964.02	NMEA 0183	12	2	2
659698.309377	4047741.664364	32,700		-109.215428	36.561770	11/8/2012	095000	1963.42	NMEA 0183	12	2	2
659693.513648	4047744.238855	32,700		-109.215481	36.561794	11/8/2012	095006	1963.53	NMEA 0183	12	2	2
659672.613840	4047752.418576	32,700		-109.215713	36.561871	11/8/2012	095053	1965.70	NMEA 0183	12	2	2
659693.745584	4047747.901768	32,700		-109.215478	36.561827	11/8/2012	095111	1963.23	NMEA 0183	12	2	2
659690.578856	4047751.623683	32,700		-109.215513	36.561861	11/8/2012	095134	1963.66	NMEA 0183	12	2	2
659664.511879	4047757.791289	32,700		-109.215803	36.561921	11/8/2012	095218	1966.48	NMEA 0183	12	2	2
659670.540303	4047759.064735	32,700		-109.215735	36.561931	11/8/2012	095234	1965.32	NMEA 0183	12	2	2
659670.452904	4047777.524474	32,700		-109.215732	36.562098	11/8/2012	095502	1964.86	NMEA 0183	12	2	2
659675.348235	4047786.064520	32,700		-109.215676	36.562174	11/8/2012	095602	1964.26	NMEA 0183	12	2	2
659664.512453	4047787.914705	32,700		-109.215796	36.562192	11/8/2012	095615	1965.11	NMEA 0183	12	2	2
659674.764691	4047791.619289	32,700		-109.215681	36.562224	11/8/2012	095705	1963.89	NMEA 0183	12	2	2
659629.062665	4047808.104373	32,700		-109.216188	36.562380	11/8/2012	095858	1966.89	NMEA 0183	12	2	2
659620.928432	4047813.210175	32,700		-109.216278	36.562428	11/8/2012	095914	1966.16	NMEA 0183	12	2	2
659631.272273	4047817.445407	32,700		-109.216162	36.562464	11/8/2012	100028	1964.88	NMEA 0183	12	2	2
659611.475340	4047822.329304	32,700		-109.216382	36.562511	11/8/2012	100046	1963.95	NMEA 0183	12	2	2
659626.437726	4047822.035330	32,700		-109.216215	36.562506	11/8/2012	100109	1963.96	NMEA 0183	12	2	2
659634.047668	4047658.515790	32,700		-109.216163	36.561032	11/8/2012	114420	1972.50	NMEA 0183	12	2	2
659606.790956	4047663.411148	32,700		-109.216467	36.561080	11/2/2012	110058	1968.86	NMEA 0183	12	2	2
659594.363739	4047636.094386	32,700		-109.216611	36.560836	11/2/2012	110400	1969.56	NMEA 0183	12	2	2
659588.303021	4047649.027555	32,700		-109.216676	36.560954	11/2/2012	110914	1966.77	NMEA 0183	12	2	2
659588.881906	4047652.088363	32,700		-109.216669	36.560981	11/2/2012	110917	1966.83	NMEA 0183	12	2	2
659581.095288	4047632.409808	32,700		-109.216760	36.560805	11/2/2012	111005	1966.18	NMEA 0183	12	2	2
659570.915114	4047619.898657	32,700		-109.216877	36.560694	11/2/2012	111146	1966.46	NMEA 0183	12	2	2
659583.940609	4047646.098189	32,700		-109.216726	36.560928	11/2/2012	111224	1966.49	NMEA 0183	12	2	2
659573.499863	4047626.799539	32,700		-109.216846	36.560756	11/2/2012	111307	1966.39	NMEA 0183	12	2	2
659570.485769	4047625.027170	32,700		-109.216880	36.560740	11/2/2012	111443	1966.42	NMEA 0183	12	2	2
659564.348617	4047629.289633	32,700		-109.216948	36.560780	11/1/2012	161603	1964.07	NMEA 0183	12	2	2
659623.717265	4047669.632906	32,700		-109.216277	36.561133	11/2/2012	105224	1971.53	NMEA 0183	12	2	2
659618.035556	4047667.039730	32,700		-109.216341	36.561111	11/2/2012	105502	1970.50	NMEA 0183	12	2	2
659613.249752	4047670.848166	32,700		-109.216393	36.561146	11/2/2012	105725	1969.11	NMEA 0183	12	2	2
659611.232444	4047657.330501	32,700		-109.216419	36.561025	11/2/2012	105739	1970.17	NMEA 0183	12	2	2
659606.302257	4047661.763294	32,700		-109.216473	36.561065	11/2/2012	110103	1968.87	NMEA 0183	12	2	2
659606.118138	4047660.990425	32,700		-109.216475	36.561059	11/2/2012	110104	1968.84	NMEA 0183	12	2	2
659569.868404	4047640.697045	32,700		-109.216884	36.560882	11/1/2012	161929	1964.03	NMEA 0183	12	2	2
659578.292239	4047644.763420	32,700		-109.216789	36.560917	11/1/2012	162301	1964.51	NMEA 0183	12	2	2
659592.780909	4047692.875155	32,700		-109.216617	36.561348	11/1/2012	162407	1963.95	NMEA 0183	12	2	2
659625.308436	4047638.555017	32,700		-109.216265	36.560853	11/2/2012	104755	1974.33	NMEA 0183	12	2	2
659629.968261	4047671.459794	32,700		-109.216206	36.561149	11/2/2012	104831	1972.12	NMEA 0183	12	2	2
659631.266257	4047691.415699	32,700		-109.216188	36.561328	11/2/2012	104925	1971.54	NMEA 0183	12	2	2
659624.765890	4047648.899291	32,700		-109.216269	36.560946	11/2/2012	105011	1973.21	NMEA 0183	12	2	2
659621.873423	4047657.302231	32,700		-109.216300	36.561023	11/2/2012	105236	1972.05	NMEA 0183	12	2	2
659614.528387	4047662.489272	32,700		-109.216381	36.561071	11/2/2012	105612	1970.31	NMEA 0183	12	2	2
659610.146010	4047652.190519	32,700		-109.216432	36.560979	11/2/2012	105814	1970.68	NMEA 0183	12	2	2
659608.180509	4047641.751634	32,700		-109.216456	36.560885	11/2/2012	105837	1971.53	NMEA 0183	12	2	2
659599.563228	4047653.988148	32,700		-109.216550	36.560997	11/2/2012	110337	1968.51	NMEA 0183	12	2	2
659593.422507	4047643.479225	32,700		-109.216620	36.560903	11/2/2012	110621	1968.35	NMEA 0183	12	2	2
659598.655434	4047690.381657	32,700		-109.216552	36.561325	11/2/2012	110725	1965.35	NMEA 0183	12	2	2
659588.190488	4047642.222458	32,700		-109.216679	36.560892	11/2/2012	110855	1967.31	NMEA 0183	12	2	2
659588.531333	4047657.072214	32,700		-109.216672	36.561026	11/2/2012	110937	1966.74	NMEA 0183	12	2	2
659581.343780	4047686.997561	32,700		-109.216746	36.561297	11/1/2012	161840	1963.36	NMEA 0183	12	2	2
659593.108596	4047695.722294	32,700		-109.216613	36.561374	11/1/2012	162410	1963.92	NMEA 0183	12	2	2
659598.945397	4047706.525226	32,700		-109.216546	36.561470	11/1/2012	162443	1964.67	NMEA 0183	12	2	2
659621.368810	4047653.375313	32,700		-109.216306	36.560987	11/2/2012	105240	1972.33	NMEA 0183	12	2	2
659623.043362	4047699.847379	32,700		-109.216278	36.561406	11/2/2012	105416	1970.85	NMEA 0183	12	2	2
659605.471261	4047683.396177	32,700		-109.216477	36.561261	11/2/2012	110307	1966.95	NMEA 0183	12	2	2
659576.187585	4047691.228266	32,800		-109.216803	36.561336	10/27/2012	115749	1963.72	NMEA 0183	12	2	2
659608.270999	4047830.978015	32,800		-109.216416	36.562590	10/27/2012	120440	1962.60	NMEA 0183	12	2	2
659590.477718	4047706.033385	32,800		-109.216640	36.561467	11/1/2012	162106	1963.73	NMEA 0183	12	2	2
659590.269222	4047694.265748	32,800		-109.216645	36.561361	11/1/2012	162206	1963.82	NMEA 0183	12	2	2
659624.643760	4047633.925962	32,800		-109.216274	36.560812	11/2/2012	104741	1974.92	NMEA 0183	12	2	2
659622.110275	4047690.785282	32,800		-109.216290	36.561324	11/2/2012	105406	1970.46	NMEA 0183	12	2	2
659622.232779	4047693.512089	32,800		-109.216288	36.561349	11/2/2012	105409	1970.44	NMEA 0183	12	2	2
659611.940696	4047643.602593	32,800		-109.216413	36.560901	11/2/2012	105551	1972.11	NMEA 0183	12	2	2
659612.354083	4047700.551720	32,800		-109.216397	36.561414	11/2/2012	110008	1968.26	NMEA 0183	12	2	2
659609.290471	4047699.520126	32,800		-109.216431	36.561405	11/2/2012	110245	1967.38	NMEA 0183	12	2	2
659623.303630	4047635.785895	32,800		-109.216288	36.560829	11/2/2012	111613	1973.92	NMEA 0183	12	2	2
659634.341766	4047631.161229	32,800		-109.216166	36.560785	11/8/2012	092445	1972.91	NMEA 0183	12	2	2
659648.574047	4047637.584607	32,800		-109.216006	36.560841	11/8/2012	092700	1971.17	NMEA 0183	12	2	2
659639.406454	4047641.437510	32,800		-109.216107	36.560877	11/8/2012	092713	1971.89	NMEA 0183	12	2	2
659641.331776	4047645.514714	32,800		-109.216085	36.560913	11/8/2012	092750	1971.26	NMEA 0183	12	2	2
659643.850254	4047655.823295	32,800		-109.216055	36.561006	11/8/2012	092916	1971.16	NMEA 0183	12	2	2
659663.653308	4047664.945116	32,800		-109.215831	36.561085	11/8/2012	093154	1968.89	NMEA 0183	12	2	2
659652.270157	4047672.805778	32,800		-109.215957	36.561157	11/8/2012	093222	1970.51	NMEA 0183	12	2	2
659656.497192	4047673.620368	32,800		-109.215910	36.561164	11/8/2012	093250	1969.90	NMEA 0183	12	2	2
659667.034035	4047671.644391	32,800		-109.215792	36.561144	11/8/2012	093337	1968.31	NMEA 0183	12	2	2
659671.301777	4047687.473354	32,800		-109.215741	36.561286	11/8/2012	093659	1967.61	NMEA 0183	12	2	2
659666.610267	4047690.380882	32,800		-109.215793	36.561313	11/8/2012	093736	1967.74	NMEA 0183	12	2	2
659674.864495	4047690.234406	32,800		-109.215701	36.561311	11/8/2012	093806	1966.99	NMEA 0183	12	2	2
659664.183801	4047697.712262	32,800		-109.215819	36.561380	11/8/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659665.781592	4047700.220441	32,800		-109.215800	36.561402	11/8/2012	093855	1968.69	NMEA 0183	12	2	2
659679.826462	4047699.367576	32,800		-109.215644	36.561392	11/8/2012	093924	1966.66	NMEA 0183	12	2	2
659675.189053	4047700.324722	32,800		-109.215695	36.561401	11/8/2012	093928	1967.05	NMEA 0183	12	2	2
659680.508087	4047701.714484	32,800		-109.215636	36.561413	11/8/2012	094046	1966.97	NMEA 0183	12	2	2
659684.141581	4047704.922620	32,800		-109.215594	36.561441	11/8/2012	094101	1966.45	NMEA 0183	12	2	2
659675.959305	4047706.740655	32,800		-109.215685	36.561459	11/8/2012	094108	1967.24	NMEA 0183	12	2	2
659670.058378	4047710.816912	32,800		-109.215750	36.561497	11/8/2012	094148	1967.19	NMEA 0183	12	2	2
659680.978997	4047706.892996	32,800		-109.215629	36.561460	11/8/2012	094158	1966.25	NMEA 0183	12	2	2
659664.792681	4047713.227328	32,800		-109.215809	36.561519	11/8/2012	094231	1967.35	NMEA 0183	12	2	2
659687.952769	4047711.661338	32,800		-109.215550	36.561501	11/8/2012	094318	1965.39	NMEA 0183	12	2	2
659683.088797	4047715.098355	32,800		-109.215604	36.561533	11/8/2012	094416	1966.24	NMEA 0183	12	2	2
659677.350215	4047720.879298	32,800		-109.215667	36.561586	11/8/2012	094431	1965.61	NMEA 0183	12	2	2
659665.990991	4047723.513272	32,800		-109.215793	36.561612	11/8/2012	094442	1966.73	NMEA 0183	12	2	2
659665.294759	4047724.205070	32,800		-109.215801	36.561618	11/8/2012	094443	1967.01	NMEA 0183	12	2	2
659684.334936	4047728.032041	32,800		-109.215587	36.561650	11/8/2012	094618	1964.97	NMEA 0183	12	2	2
659688.905416	4047729.474505	32,800		-109.215536	36.561662	11/8/2012	094624	1964.92	NMEA 0183	12	2	2
659687.734731	4047735.068317	32,800		-109.215548	36.561712	11/8/2012	094734	1965.23	NMEA 0183	12	2	2
659661.213050	4047743.463725	32,800		-109.215842	36.561792	11/8/2012	094806	1966.74	NMEA 0183	12	2	2
659664.170569	4047742.492047	32,800		-109.215810	36.561783	11/8/2012	094809	1966.17	NMEA 0183	12	2	2
659681.501623	4047739.918954	32,800		-109.215617	36.561757	11/8/2012	094900	1964.67	NMEA 0183	12	2	2
659676.596854	4047745.474916	32,800		-109.215670	36.561808	11/8/2012	094939	1965.04	NMEA 0183	12	2	2
659678.950918	4047744.939661	32,800		-109.215644	36.561803	11/8/2012	094941	1964.86	NMEA 0183	12	2	2
659696.733310	4047743.775159	32,800		-109.215446	36.561789	11/8/2012	095003	1963.39	NMEA 0183	12	2	2
659674.813027	4047749.374170	32,800		-109.215689	36.561843	11/8/2012	095025	1965.56	NMEA 0183	12	2	2
659686.615893	4047749.687537	32,800		-109.215557	36.561844	11/8/2012	095105	1963.80	NMEA 0183	12	2	2
659687.975094	4047753.473101	32,800		-109.215541	36.561878	11/8/2012	095157	1964.02	NMEA 0183	12	2	2
659668.290245	4047759.624118	32,800		-109.215760	36.561937	11/8/2012	095232	1965.67	NMEA 0183	12	2	2
659676.585136	4047760.016650	32,800		-109.215667	36.561939	11/8/2012	095252	1964.57	NMEA 0183	12	2	2
659680.559546	4047775.486896	32,800		-109.215620	36.562078	11/8/2012	095452	1964.61	NMEA 0183	12	2	2
659667.695451	4047780.741637	32,800		-109.215762	36.562127	11/8/2012	095510	1965.23	NMEA 0183	12	2	2
659676.265627	4047783.103607	32,800		-109.215666	36.562147	11/8/2012	095551	1963.82	NMEA 0183	12	2	2
659665.843747	4047787.012734	32,800		-109.215782	36.562184	11/8/2012	095612	1965.31	NMEA 0183	12	2	2
659674.917238	4047790.876711	32,800		-109.215680	36.562217	11/8/2012	095631	1963.99	NMEA 0183	12	2	2
659621.931406	4047813.034568	32,800		-109.216267	36.562426	11/8/2012	095915	1966.11	NMEA 0183	12	2	2
659637.906589	4047808.658727	32,800		-109.216089	36.562384	11/8/2012	095948	1966.00	NMEA 0183	12	2	2
659629.244317	4047824.049877	32,800		-109.216183	36.562524	11/8/2012	100115	1963.59	NMEA 0183	12	2	2
659632.083398	4047677.530741	32,800		-109.216181	36.561203	11/8/2012	114245	1971.10	NMEA 0183	12	2	2
659581.367601	4047700.678008	32,900		-109.216743	36.561420	11/1/2012	161720	1962.61	NMEA 0183	12	2	2
659588.718739	4047715.674427	32,900		-109.216658	36.561554	11/1/2012	161810	1964.22	NMEA 0183	12	2	2
659585.654649	4047703.646668	32,900		-109.216695	36.561446	11/1/2012	161823	1963.47	NMEA 0183	12	2	2
659589.584452	4047701.660893	32,900		-109.216651	36.561428	11/1/2012	162102	1963.67	NMEA 0183	12	2	2
659595.476341	4047718.182111	32,900		-109.216582	36.561576	11/1/2012	162137	1965.19	NMEA 0183	12	2	2
659595.351531	4047716.061947	32,900		-109.216584	36.561557	11/1/2012	162141	1964.98	NMEA 0183	12	2	2
659594.094078	4047710.247372	32,900		-109.216599	36.561504	11/1/2012	162149	1964.48	NMEA 0183	12	2	2
659609.405468	4047645.296087	32,900		-109.216441	36.560917	11/1/2012	162716	1970.68	NMEA 0183	12	2	2
659622.036716	4047633.296810	32,900		-109.216303	36.560806	11/2/2012	105029	1974.51	NMEA 0183	12	2	2
659621.224217	4047641.301818	32,900		-109.216310	36.560879	11/2/2012	105040	1973.71	NMEA 0183	12	2	2
659619.725881	4047641.716090	32,900		-109.216327	36.560883	11/2/2012	105252	1973.33	NMEA 0183	12	2	2
659618.948470	4047673.006987	32,900		-109.216329	36.561165	11/2/2012	105456	1970.37	NMEA 0183	12	2	2
659600.496074	4047636.034258	32,900		-109.216543	36.560835	11/2/2012	110132	1970.78	NMEA 0183	12	2	2
659603.538436	4047685.837006	32,900		-109.216499	36.561283	11/2/2012	110501	1966.48	NMEA 0183	12	2	2
659642.528311	4047635.228815	32,900		-109.216074	36.560820	11/8/2012	092617	1971.77	NMEA 0183	12	2	2
659649.275989	4047637.470004	32,900		-109.215998	36.560839	11/8/2012	092701	1971.14	NMEA 0183	12	2	2
659645.397949	4047642.373612	32,900		-109.216040	36.560884	11/8/2012	092733	1971.28	NMEA 0183	12	2	2
659642.719135	4047656.068659	32,900		-109.216067	36.561008	11/8/2012	092917	1971.28	NMEA 0183	12	2	2
659656.979094	4047656.655072	32,900		-109.215908	36.561011	11/8/2012	092950	1970.15	NMEA 0183	12	2	2
659660.053456	4047662.335052	32,900		-109.215872	36.561062	11/8/2012	093039	1969.44	NMEA 0183	12	2	2
659652.655492	4047665.146129	32,900		-109.215954	36.561088	11/8/2012	093142	1969.81	NMEA 0183	12	2	2
659647.121093	4047669.652773	32,900		-109.216015	36.561130	11/8/2012	093213	1970.74	NMEA 0183	12	2	2
659654.111209	4047671.693154	32,900		-109.215937	36.561147	11/8/2012	093224	1970.28	NMEA 0183	12	2	2
659656.461809	4047674.964407	32,900		-109.215910	36.561176	11/8/2012	093327	1969.70	NMEA 0183	12	2	2
659657.303895	4047674.534266	32,900		-109.215900	36.561172	11/8/2012	093328	1969.40	NMEA 0183	12	2	2
659659.328234	4047685.336790	32,900		-109.215876	36.561269	11/8/2012	093526	1969.45	NMEA 0183	12	2	2
659673.796580	4047681.123559	32,900		-109.215715	36.561229	11/8/2012	093539	1967.55	NMEA 0183	12	2	2
659658.529454	4047691.394370	32,900		-109.215883	36.561324	11/8/2012	093647	1968.57	NMEA 0183	12	2	2
659660.541048	4047725.640974	32,900		-109.215854	36.561632	11/8/2012	094354	1967.45	NMEA 0183	12	2	2
659666.670738	404772.101655	32,900		-109.215786	36.561599	11/8/2012	094400	1966.42	NMEA 0183	12	2	2
659684.649771	4047721.358796	32,900		-109.215585	36.561589	11/8/2012	094521	1965.18	NMEA 0183	12	2	2
659670.199362	4047727.503374	32,900		-109.215745	36.561647	11/8/2012	094544	1966.77	NMEA 0183	12	2	2
659671.245774	4047736.325277	32,900		-109.215732	36.561726	11/8/2012	094707	1966.54	NMEA 0183	12	2	2
659660.318612	4047743.659838	32,900		-109.215852	36.561794	11/8/2012	094805	1967.02	NMEA 0183	12	2	2
659692.869790	4047741.465377	32,900		-109.215489	36.561769	11/8/2012	094954	1963.93	NMEA 0183	12	2	2
659686.539788	4047745.748219	32,900		-109.215559	36.561809	11/8/2012	095012	1963.65	NMEA 0183	12	2	2
659677.070324	4047748.746486	32,900		-109.215664	36.561837	11/8/2012	095023	1965.46	NMEA 0183	12	2	2
659671.441071	4047752.657614	32,900		-109.215726	36.561874	11/8/2012	095052	1965.79	NMEA 0183	12	2	2
659700.692975	4047746.210653	32,900		-109.215401	36.561811	11/8/2012	095117	1962.92	NMEA 0183	12	2	2
659686.835212	4047753.387209	32,900		-109.215554	36.561878	11/8/2012	095158	1964.17	NMEA 0183	12	2	2
659685.714601	4047753.388608	32,900		-109.215567	36.561878	11/8/2012	095159	1964.22	NMEA 0183	12	2	2
659668.923352	4047774.797450	32,900		-109.215750	36.562074	11/8/2012	095439	1965.47	NMEA 0183	12	2	2
659680.775156	4047774.562373	32,900		-109.215617	36.562069	11/8/2012	09					



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659676.624528	4047792.066275	32,900		-109.215660	36.562228	11/8/2012	095703	1963.57	NMEA 0183	12	2	2
659629.923299	4047810.855972	32,900		-109.216178	36.562405	11/8/2012	095956	1966.45	NMEA 0183	12	2	2
659611.031973	4047822.742800	32,900		-109.216387	36.562515	11/8/2012	100047	1963.85	NMEA 0183	12	2	2
659630.665129	4047665.344833	32,900		-109.216200	36.561094	11/8/2012	114236	1971.63	NMEA 0183	12	2	2
659628.366569	4047633.046153	32,900		-109.216232	36.560803	11/8/2012	114355	1973.76	NMEA 0183	12	2	2
659576.879110	4047703.824253	33,000		-109.216793	36.561449	10/27/2012	115458	1963.20	NMEA 0183	12	2	2
659552.585313	4047596.173658	33,000		-109.217086	36.560483	10/27/2012	115631	1966.64	NMEA 0183	12	2	2
659595.554509	4047716.944295	33,000		-109.216581	36.561564	11/1/2012	162139	1965.09	NMEA 0183	12	2	2
659594.888575	4047704.659520	33,000		-109.216591	36.561454	11/1/2012	162419	1964.05	NMEA 0183	12	2	2
659610.551490	4047643.845024	33,000		-109.216429	36.560903	11/1/2012	162718	1971.03	NMEA 0183	12	2	2
659624.925608	4047634.256729	33,000		-109.216270	36.560814	11/2/2012	104742	1974.86	NMEA 0183	12	2	2
659620.573833	4047634.052075	33,000		-109.216319	36.560813	11/2/2012	105032	1974.28	NMEA 0183	12	2	2
659627.146254	4047698.103436	33,000		-109.216232	36.561389	11/2/2012	105155	1971.26	NMEA 0183	12	2	2
659618.002831	4047633.088807	33,000		-109.216348	36.560805	11/2/2012	105302	1973.81	NMEA 0183	12	2	2
659616.535985	4047638.240616	33,000		-109.216363	36.560852	11/2/2012	105310	1973.22	NMEA 0183	12	2	2
659616.346181	4047639.946171	33,000		-109.216365	36.560867	11/2/2012	105312	1973.07	NMEA 0183	12	2	2
659622.119149	4047688.939497	33,000		-109.216290	36.561308	11/2/2012	105404	1970.52	NMEA 0183	12	2	2
659620.544711	4047689.997884	33,000		-109.216308	36.561318	11/2/2012	105438	1970.10	NMEA 0183	12	2	2
659619.841137	4047681.674357	33,000		-109.216317	36.561243	11/2/2012	105447	1970.15	NMEA 0183	12	2	2
659614.797609	4047648.377742	33,000		-109.216381	36.560943	11/2/2012	105521	1971.84	NMEA 0183	12	2	2
659614.297857	4047645.475620	33,000		-109.216387	36.560917	11/2/2012	105524	1972.12	NMEA 0183	12	2	2
659615.112969	4047688.328622	33,000		-109.216369	36.561303	11/2/2012	105707	1968.65	NMEA 0183	12	2	2
659602.647324	4047668.074942	33,000		-109.216512	36.561123	11/2/2012	110322	1967.32	NMEA 0183	12	2	2
659636.400887	4047631.243821	33,000		-109.216143	36.560785	11/8/2012	092534	1972.53	NMEA 0183	12	2	2
659638.251441	4047633.077861	33,000		-109.216122	36.560802	11/8/2012	092559	1972.40	NMEA 0183	12	2	2
659645.030179	4047638.711881	33,000		-109.216045	36.560851	11/8/2012	092656	1971.40	NMEA 0183	12	2	2
659644.264445	4047642.667022	33,000		-109.216053	36.560887	11/8/2012	092732	1971.38	NMEA 0183	12	2	2
659656.447946	4047663.085698	33,000		-109.215912	36.561069	11/8/2012	093042	1969.69	NMEA 0183	12	2	2
659642.552440	4047673.015757	33,000		-109.216065	36.561161	11/8/2012	093127	1970.58	NMEA 0183	12	2	2
659649.501060	4047673.512757	33,000		-109.215988	36.561164	11/8/2012	093219	1970.61	NMEA 0183	12	2	2
659658.172925	4047685.679735	33,000		-109.215888	36.561272	11/8/2012	093525	1969.52	NMEA 0183	12	2	2
659663.811798	4047686.720287	33,000		-109.215825	36.561281	11/8/2012	093608	1968.65	NMEA 0183	12	2	2
659651.445731	4047692.550292	33,000		-109.215962	36.561335	11/8/2012	093640	1969.24	NMEA 0183	12	2	2
659661.832850	4047691.163420	33,000		-109.215846	36.561321	11/8/2012	093740	1967.97	NMEA 0183	12	2	2
659662.321710	4047694.329844	33,000		-109.215840	36.561350	11/8/2012	093754	1967.91	NMEA 0183	12	2	2
659673.074449	4047709.263684	33,000		-109.215717	36.561482	11/8/2012	094151	1966.90	NMEA 0183	12	2	2
659682.750049	4047709.391446	33,000		-109.215609	36.561482	11/8/2012	094311	1965.99	NMEA 0183	12	2	2
659688.089789	4047710.629926	33,000		-109.215549	36.561492	11/8/2012	094317	1965.33	NMEA 0183	12	2	2
659670.981484	4047740.757684	33,000		-109.215734	36.561766	11/8/2012	094815	1965.84	NMEA 0183	12	2	2
659698.332028	4047736.826099	33,000		-109.215429	36.561726	11/8/2012	094844	1964.11	NMEA 0183	12	2	2
659680.898387	4047751.198025	33,000		-109.215621	36.561859	11/8/2012	095100	1964.86	NMEA 0183	12	2	2
659692.705055	4047757.657860	33,000		-109.215488	36.561915	11/8/2012	095146	1963.70	NMEA 0183	12	2	2
659622.526629	4047809.583065	33,000		-109.216261	36.562395	11/8/2012	095904	1967.10	NMEA 0183	12	2	2
659619.954487	4047813.027488	33,000		-109.216289	36.562426	11/8/2012	095913	1966.12	NMEA 0183	12	2	2
659614.348847	4047824.999864	33,000		-109.216349	36.562535	11/8/2012	100058	1963.46	NMEA 0183	12	2	2
659625.360224	4047822.287239	33,000		-109.216227	36.562509	11/8/2012	100108	1963.88	NMEA 0183	12	2	2
659615.593381	4047829.256799	33,000		-109.216334	36.562573	11/8/2012	100151	1962.71	NMEA 0183	12	2	2
659616.687030	4047829.421360	33,000		-109.216322	36.562574	11/8/2012	100152	1962.77	NMEA 0183	12	2	2
659630.801630	4047666.673564	33,000		-109.216198	36.561106	11/8/2012	114237	1971.57	NMEA 0183	12	2	2
659632.535637	4047666.585505	33,000		-109.216179	36.561105	11/8/2012	114329	1971.75	NMEA 0183	12	2	2
659629.678960	4047630.911958	33,000		-109.216218	36.560784	11/8/2012	114358	1974.00	NMEA 0183	12	2	2
659583.186844	4047716.831441	33,100		-109.216719	36.561566	10/27/2012	115809	1964.51	NMEA 0183	12	2	2
659585.337926	4047717.505765	33,100		-109.216695	36.561571	11/1/2012	161738	1963.86	NMEA 0183	12	2	2
659627.812716	4047692.742567	33,100		-109.216226	36.561341	11/2/2012	105132	1971.55	NMEA 0183	12	2	2
659610.838452	4047638.510409	33,100		-109.216427	36.560855	11/2/2012	105545	1972.55	NMEA 0183	12	2	2
659612.499447	4047646.139579	33,100		-109.216407	36.560924	11/2/2012	105554	1971.81	NMEA 0183	12	2	2
659602.888639	4047668.982046	33,100		-109.216509	36.561131	11/2/2012	110321	1967.24	NMEA 0183	12	2	2
659601.486870	4047663.466287	33,100		-109.216526	36.561082	11/2/2012	110327	1967.72	NMEA 0183	12	2	2
659589.459537	4047643.953221	33,100		-109.216664	36.560908	11/2/2012	111525	1967.07	NMEA 0183	12	2	2
659623.255864	4047635.786858	33,100		-109.216289	36.560829	11/2/2012	111615	1973.90	NMEA 0183	12	2	2
659642.672296	4047630.685047	33,100		-109.216073	36.560779	11/8/2012	092543	1971.92	NMEA 0183	12	2	2
659636.271006	4047642.346707	33,100		-109.216142	36.560885	11/8/2012	092716	1972.02	NMEA 0183	12	2	2
659645.227218	4047644.578926	33,100		-109.216041	36.560904	11/8/2012	092746	1971.19	NMEA 0183	12	2	2
659651.323658	4047645.246931	33,100		-109.215973	36.560909	11/8/2012	092819	1970.45	NMEA 0183	12	2	2
659655.833297	4047651.338265	33,100		-109.215922	36.560963	11/8/2012	092904	1970.33	NMEA 0183	12	2	2
659663.413015	4047672.185736	33,100		-109.215833	36.561150	11/8/2012	093244	1969.24	NMEA 0183	12	2	2
659660.524394	4047673.302966	33,100		-109.215865	36.561160	11/8/2012	093331	1969.04	NMEA 0183	12	2	2
659681.578840	4047678.750600	33,100		-109.215628	36.561206	11/8/2012	093547	1966.37	NMEA 0183	12	2	2
659666.222318	4047686.199023	33,100		-109.215798	36.561276	11/8/2012	093606	1968.42	NMEA 0183	12	2	2
659657.870307	4047695.314496	33,100		-109.215890	36.561359	11/8/2012	093750	1968.71	NMEA 0183	12	2	2
659663.506781	4047693.991151	33,100		-109.215827	36.561346	11/8/2012	093755	1967.84	NMEA 0183	12	2	2
659659.395065	4047706.181737	33,100		-109.215870	36.561457	11/8/2012	094028	1969.08	NMEA 0183	12	2	2
659682.867577	4047701.369844	33,100		-109.215609	36.561410	11/8/2012	094048	1966.67	NMEA 0183	12	2	2
659689.276054	4047701.784717	33,100		-109.215538	36.561412	11/8/2012	094055	1966.10	NMEA 0183	12	2	2
659680.610547	4047705.761571	33,100		-109.215634	36.561450	11/8/2012	094104	1966.72	NMEA 0183	12	2	2
659672.008827	4047709.839497	33,100		-109.215729	36.561488	11/8/2012	094150	1966.97	NMEA 0183	12	2	2
659688.667725	4047707.307582	33,100		-109.215543	36.561462	11/8/2012	094208	1965.35	NMEA 0183	12	2	2
659654.706593	4047715.681479	33,100		-109.215921	36.561543	11/8/2012	094241	1967.65	NMEA 0183	12	2	2
659664.665083	4047723.320351	33,100		-109.215808	36.561610	11/8/2012	094358	1966.74	NMEA 0183	12	2	2
659671.022895	4047722.363680	33,100		-109.215737	36.561601	11/8/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659672.620450	4047725.447098	33,100		-109.215719	36.561628	11/8/2012	094510	1966.23	NMEA 0183	12	2	2
659676.472251	4047726.700502	33,100		-109.215675	36.561639	11/8/2012	094536	1965.98	NMEA 0183	12	2	2
659694.453825	4047737.236880	33,100		-109.215472	36.561731	11/8/2012	094848	1964.51	NMEA 0183	12	2	2
659678.022159	4047740.633086	33,100		-109.215655	36.561764	11/8/2012	094903	1964.98	NMEA 0183	12	2	2
659669.501316	4047742.927602	33,100		-109.215750	36.561786	11/8/2012	094911	1965.57	NMEA 0183	12	2	2
659672.981330	4047746.284557	33,100		-109.215710	36.561816	11/8/2012	094936	1965.16	NMEA 0183	12	2	2
659666.813770	4047753.875752	33,100		-109.215778	36.561885	11/8/2012	095048	1966.32	NMEA 0183	12	2	2
659678.042466	4047755.217956	33,100		-109.215652	36.561896	11/8/2012	095206	1965.02	NMEA 0183	12	2	2
659676.775888	4047780.854653	33,100		-109.215661	36.562127	11/8/2012	095524	1963.84	NMEA 0183	12	2	2
659641.170461	4047799.859459	33,100		-109.216055	36.562304	11/8/2012	095753	1968.12	NMEA 0183	12	2	2
659627.870410	4047810.841932	33,100		-109.216201	36.562405	11/8/2012	095921	1966.48	NMEA 0183	12	2	2
659617.602647	4047823.900493	33,100		-109.216313	36.562525	11/8/2012	100101	1963.57	NMEA 0183	12	2	2
659621.034495	4047823.096672	33,100		-109.216275	36.562517	11/8/2012	100104	1963.70	NMEA 0183	12	2	2
659635.133286	4047682.921712	33,100		-109.216146	36.561251	11/8/2012	114317	1971.13	NMEA 0183	12	2	2
659598.325910	4047833.481082	33,200		-109.216526	36.562614	10/27/2012	114419	1961.15	NMEA 0183	12	2	2
659600.246506	4047832.904473	33,200		-109.216505	36.562609	10/27/2012	115229	1962.30	NMEA 0183	12	2	2
659580.645019	4047704.480433	33,200		-109.216750	36.561455	10/27/2012	115759	1963.62	NMEA 0183	12	2	2
659593.058555	4047716.280219	33,200		-109.216609	36.561559	11/1/2012	162117	1964.61	NMEA 0183	12	2	2
659620.138396	4047623.419612	33,200		-109.216326	36.560718	11/1/2012	162746	1974.20	NMEA 0183	12	2	2
659624.618627	4047633.511174	33,200		-109.216274	36.560808	11/2/2012	104645	1975.01	NMEA 0183	12	2	2
659618.589297	4047633.649032	33,200		-109.216341	36.560810	11/2/2012	105301	1973.86	NMEA 0183	12	2	2
659622.357550	4047695.473182	33,200		-109.216286	36.561367	11/2/2012	105411	1970.49	NMEA 0183	12	2	2
659620.524141	4047689.176258	33,200		-109.216308	36.561310	11/2/2012	105439	1970.02	NMEA 0183	12	2	2
659614.363160	4047646.379460	33,200		-109.216386	36.560926	11/2/2012	105523	1972.09	NMEA 0183	12	2	2
659615.384288	4047670.323617	33,200		-109.216369	36.561141	11/2/2012	105620	1969.78	NMEA 0183	12	2	2
659610.274253	4047652.838426	33,200		-109.216430	36.560984	11/2/2012	105744	1970.64	NMEA 0183	12	2	2
659604.351771	4047641.183061	33,200		-109.216499	36.560880	11/2/2012	105857	1970.86	NMEA 0183	12	2	2
659605.971877	4047649.488442	33,200		-109.216479	36.560955	11/2/2012	105907	1970.06	NMEA 0183	12	2	2
659612.720549	4047687.311328	33,200		-109.216396	36.561295	11/2/2012	105953	1967.99	NMEA 0183	12	2	2
659602.162791	4047666.282892	33,200		-109.216518	36.561107	11/2/2012	110324	1967.49	NMEA 0183	12	2	2
659603.498783	4047684.837460	33,200		-109.216499	36.561274	11/2/2012	110500	1966.58	NMEA 0183	12	2	2
659604.069151	4047694.229461	33,200		-109.216491	36.561358	11/2/2012	110509	1966.16	NMEA 0183	12	2	2
659605.324322	4047638.465469	33,200		-109.216488	36.560856	11/2/2012	111550	1971.48	NMEA 0183	12	2	2
659640.197858	4047643.819744	33,200		-109.216098	36.560898	11/8/2012	092728	1971.75	NMEA 0183	12	2	2
659650.540150	4047642.117583	33,200		-109.215983	36.560881	11/8/2012	092739	1970.92	NMEA 0183	12	2	2
659648.262860	4047644.143240	33,200		-109.216008	36.560900	11/8/2012	092743	1970.89	NMEA 0183	12	2	2
659641.680885	4047648.010819	33,200		-109.216080	36.560936	11/8/2012	092809	1971.37	NMEA 0183	12	2	2
659651.352524	4047655.995781	33,200		-109.215971	36.561006	11/8/2012	092941	1970.65	NMEA 0183	12	2	2
659651.597339	4047658.081180	33,200		-109.215968	36.561025	11/8/2012	092955	1970.68	NMEA 0183	12	2	2
659654.300208	4047667.055889	33,200		-109.215935	36.561105	11/8/2012	093204	1970.22	NMEA 0183	12	2	2
659649.425180	4047674.948527	33,200		-109.215988	36.561177	11/8/2012	093256	1970.19	NMEA 0183	12	2	2
659664.171144	4047678.290701	33,200		-109.215823	36.561205	11/8/2012	093354	1968.75	NMEA 0183	12	2	2
659682.390758	4047679.222531	33,200		-109.215619	36.561210	11/8/2012	093548	1966.31	NMEA 0183	12	2	2
659643.644053	4047694.523392	33,200		-109.216049	36.561354	11/8/2012	093632	1970.64	NMEA 0183	12	2	2
659664.625758	4047693.595743	33,200		-109.215815	36.561343	11/8/2012	093756	1967.72	NMEA 0183	12	2	2
659684.727671	4047691.351514	33,200		-109.215591	36.561319	11/8/2012	093824	1966.06	NMEA 0183	12	2	2
659670.848573	4047712.620187	33,200		-109.215741	36.561513	11/8/2012	094225	1967.09	NMEA 0183	12	2	2
659669.911683	4047712.530666	33,200		-109.215752	36.561512	11/8/2012	094226	1967.19	NMEA 0183	12	2	2
659683.499644	4047713.703944	33,200		-109.215600	36.561521	11/8/2012	094323	1965.72	NMEA 0183	12	2	2
659687.223831	4047716.849027	33,200		-109.215557	36.561548	11/8/2012	094422	1966.03	NMEA 0183	12	2	2
659670.558666	4047726.313317	33,200		-109.215742	36.561636	11/8/2012	094508	1966.55	NMEA 0183	12	2	2
659688.236855	4047730.122422	33,200		-109.215543	36.561668	11/8/2012	094625	1965.05	NMEA 0183	12	2	2
659685.627566	4047743.606041	33,200		-109.215570	36.561790	11/8/2012	094947	1963.97	NMEA 0183	12	2	2
659688.884318	4047745.244233	33,200		-109.215533	36.561804	11/8/2012	095010	1963.72	NMEA 0183	12	2	2
659691.649923	4047751.397557	33,200		-109.215501	36.561859	11/8/2012	095133	1963.52	NMEA 0183	12	2	2
659691.048303	4047754.066535	33,200		-109.215507	36.561883	11/8/2012	095154	1963.76	NMEA 0183	12	2	2
659681.393908	4047758.025033	33,200		-109.215614	36.561920	11/8/2012	095246	1964.34	NMEA 0183	12	2	2
659681.256651	4047768.154871	33,200		-109.215613	36.562012	11/8/2012	095416	1964.81	NMEA 0183	12	2	2
659665.787009	4047775.355185	33,200		-109.215785	36.562079	11/8/2012	095436	1965.77	NMEA 0183	12	2	2
659666.680178	4047792.917542	33,200		-109.215771	36.562237	11/8/2012	095644	1964.70	NMEA 0183	12	2	2
659674.880302	4047795.520498	33,200		-109.215679	36.562259	11/8/2012	095654	1964.11	NMEA 0183	12	2	2
659619.801273	4047814.208422	33,200		-109.216290	36.562437	11/8/2012	100006	1966.01	NMEA 0183	12	2	2
659635.711312	4047688.279773	33,200		-109.216139	36.561299	11/8/2012	114313	1971.13	NMEA 0183	12	2	2
659635.454515	4047685.633709	33,200		-109.216142	36.561276	11/8/2012	114315	1971.13	NMEA 0183	12	2	2
659634.355725	4047677.380533	33,200		-109.216156	36.561202	11/8/2012	114321	1971.31	NMEA 0183	12	2	2
659535.081225	4047584.083502	33,200		-109.217284	36.560377	10/27/2012	113556	1965.44	NMEA 0183	12	2	2
659571.073368	4047700.276238	33,200		-109.216858	36.561418	10/27/2012	115019	1963.52	NMEA 0183	12	2	2
659577.749447	4047729.306364	33,200		-109.216778	36.561679	10/27/2012	115041	1964.25	NMEA 0183	12	2	2
659601.354556	4047833.097044	33,200		-109.216492	36.562610	10/27/2012	115231	1962.42	NMEA 0183	12	2	2
659579.949657	4047694.827166	33,200		-109.216760	36.561368	11/1/2012	161714	1963.03	NMEA 0183	12	2	2
659571.859855	4047648.371175	33,200		-109.216860	36.560951	11/1/2012	161921	1963.90	NMEA 0183	12	2	2
659571.642763	4047647.364640	33,200		-109.216863	36.560942	11/1/2012	161922	1963.91	NMEA 0183	12	2	2
659593.648973	4047718.316536	33,200		-109.216602	36.561577	11/1/2012	162120	1964.83	NMEA 0183	12	2	2
659578.366614	4047644.775898	33,200		-109.216788	36.560917	11/1/2012	162305	1964.50	NMEA 0183	12	2	2
659623.875228	4047671.735188	33,200		-109.216274	36.561152	11/2/2012	105222	1971.46	NMEA 0183	12	2	2
659621.846147	4047701.645225	33,200		-109.216291	36.561422	11/2/2012	105425	1970.73	NMEA 0183	12	2	2
659610.141638	4047652.184889	33,200		-109.216432	36.560979	11/2/2012	105815	1970.66	NMEA 0183	12	2	2
659609.962109	4047666.207450	33,200		-109.216431	36.561105	11/2/2012	105931	1969.03	NMEA 0183	12	2	2
659609.121193	4047674.940694	33,200		-109.216438	36.561184	11/2/2012	110046	1968.29	NMEA 0183	12	2	2
659605.773281	4047685.615809	33,200		-109.216474	36.561280	11/2/201						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659605.261478	4047682.317639	33,200		-109.216480	36.561251	11/2/2012	110308	1966.84	NMEA 0183	12	2	2
659596.070139	4047640.069487	33,200		-109.216591	36.560872	11/2/2012	110354	1969.37	NMEA 0183	12	2	2
659600.558206	4047668.805646	33,200		-109.216535	36.561130	11/2/2012	110445	1966.79	NMEA 0183	12	2	2
659572.025954	4047621.632032	33,200		-109.216864	36.560710	11/2/2012	111148	1966.50	NMEA 0183	12	2	2
659573.510268	4047623.905031	33,200		-109.216847	36.560730	11/2/2012	111151	1966.56	NMEA 0183	12	2	2
659579.596353	4047634.707019	33,200		-109.216777	36.560826	11/2/2012	111210	1966.04	NMEA 0183	12	2	2
659580.558797	4047636.476485	33,200		-109.216765	36.560842	11/2/2012	111213	1966.22	NMEA 0183	12	2	2
659573.269054	4047627.176286	33,200		-109.216849	36.560759	11/2/2012	111306	1966.21	NMEA 0183	12	2	2
659566.066452	4047612.210387	33,200		-109.216932	36.560626	11/2/2012	111326	1966.22	NMEA 0183	12	2	2
659565.373776	4047616.653346	33,200		-109.216939	36.560666	11/2/2012	111431	1966.15	NMEA 0183	12	2	2
659664.370050	4047720.242607	33,200		-109.215812	36.561583	11/8/2012	094340	1966.35	NMEA 0183	12	2	2
659703.188223	4047748.278634	33,200		-109.215373	36.561829	11/8/2012	095121	1962.83	NMEA 0183	12	2	2
659702.496501	4047748.807743	33,200		-109.215380	36.561834	11/8/2012	095122	1962.96	NMEA 0183	12	2	2
659669.974742	4047792.597650	33,200		-109.215734	36.562234	11/8/2012	095647	1964.33	NMEA 0183	12	2	2
659577.108457	4047741.341242	33,200		-109.216782	36.561787	10/27/2012	114624	1963.45	NMEA 0183	12	2	2
659577.005563	4047671.500281	33,200		-109.216798	36.561158	11/1/2012	161858	1963.44	NMEA 0183	12	2	2
659593.998974	4047672.253812	33,200		-109.216608	36.561162	11/1/2012	162527	1965.22	NMEA 0183	12	2	2
659602.348281	4047678.566155	33,200		-109.216513	36.561218	11/2/2012	110454	1966.50	NMEA 0183	12	2	2
659596.553461	4047678.129436	33,200		-109.216578	36.561215	11/2/2012	110713	1966.09	NMEA 0183	12	2	2
659598.267241	4047688.302849	33,200		-109.216557	36.561306	11/2/2012	110723	1965.42	NMEA 0183	12	2	2
659585.520616	4047653.187603	33,200		-109.216707	36.560992	11/2/2012	111235	1966.42	NMEA 0183	12	2	2
659567.169708	4047620.226877	33,200		-109.216918	36.560698	11/2/2012	111436	1966.31	NMEA 0183	12	2	2
659594.778512	4047834.401147	33,200		-109.216566	36.562623	10/27/2012	112935	1961.35	NMEA 0183	12	2	2
659548.519974	4047602.731119	33,200		-109.217130	36.560543	10/27/2012	114902	1965.84	NMEA 0183	12	2	2
659553.227602	4047599.437249	33,200		-109.217078	36.560513	10/27/2012	115634	1966.43	NMEA 0183	12	2	2
659540.161192	4047585.897859	33,300		-109.217227	36.560393	10/27/2012	114827	1966.70	NMEA 0183	12	2	2
659585.761337	4047719.616669	33,300		-109.216690	36.561590	11/1/2012	161740	1963.93	NMEA 0183	12	2	2
659586.752303	4047707.699261	33,300		-109.216682	36.561483	11/1/2012	161819	1963.55	NMEA 0183	12	2	2
659596.965061	4047692.703058	33,300		-109.216571	36.561346	11/1/2012	162459	1964.48	NMEA 0183	12	2	2
659608.668737	4047646.079621	33,300		-109.216450	36.560924	11/1/2012	162715	1970.52	NMEA 0183	12	2	2
659622.922396	4047634.619092	33,300		-109.216293	36.560818	11/2/2012	105027	1974.50	NMEA 0183	12	2	2
659628.323059	4047700.542759	33,300		-109.216219	36.561411	11/2/2012	105141	1971.55	NMEA 0183	12	2	2
659617.510974	4047647.216554	33,300		-109.216351	36.560933	11/2/2012	105321	1972.34	NMEA 0183	12	2	2
659613.388007	4047639.101498	33,300		-109.216398	36.560860	11/2/2012	105531	1972.85	NMEA 0183	12	2	2
659612.878964	4047635.413103	33,300		-109.216405	36.560827	11/2/2012	105535	1973.04	NMEA 0183	12	2	2
659613.261500	4047653.885249	33,300		-109.216397	36.560993	11/2/2012	105603	1971.00	NMEA 0183	12	2	2
659610.207972	4047652.228662	33,300		-109.216431	36.560979	11/2/2012	105745	1970.66	NMEA 0183	12	2	2
659607.009422	4047652.920290	33,300		-109.216467	36.560986	11/2/2012	105912	1970.01	NMEA 0183	12	2	2
659608.807407	4047660.082189	33,300		-109.216445	36.561050	11/2/2012	105924	1969.50	NMEA 0183	12	2	2
659610.842627	4047692.342683	33,300		-109.216416	36.561340	11/2/2012	110028	1967.76	NMEA 0183	12	2	2
659603.582889	4047686.899529	33,300		-109.216498	36.561292	11/2/2012	110502	1966.49	NMEA 0183	12	2	2
659601.262216	4047687.082142	33,300		-109.216524	36.561294	11/2/2012	110534	1966.30	NMEA 0183	12	2	2
659615.333698	4047637.898324	33,300		-109.216377	36.560849	11/2/2012	111602	1972.99	NMEA 0183	12	2	2
659617.793537	4047637.292877	33,300		-109.216349	36.560843	11/2/2012	111605	1973.28	NMEA 0183	12	2	2
659644.759419	4047632.475388	33,300		-109.216049	36.560795	11/8/2012	092553	1971.72	NMEA 0183	12	2	2
659644.677251	4047640.201700	33,300		-109.216049	36.560865	11/8/2012	092708	1971.44	NMEA 0183	12	2	2
659648.290913	4047641.585695	33,300		-109.216008	36.560877	11/8/2012	092736	1971.03	NMEA 0183	12	2	2
659639.186226	4047645.989111	33,300		-109.216109	36.560918	11/8/2012	092752	1971.35	NMEA 0183	12	2	2
659647.629849	4047651.801993	33,300		-109.216013	36.560969	11/8/2012	092855	1971.01	NMEA 0183	12	2	2
659653.822455	4047650.181917	33,300		-109.215944	36.560953	11/8/2012	092901	1970.45	NMEA 0183	12	2	2
659650.641961	4047654.001623	33,300		-109.215979	36.560988	11/8/2012	092910	1970.73	NMEA 0183	12	2	2
659641.653271	4047656.335580	33,300		-109.216079	36.561011	11/8/2012	092918	1971.27	NMEA 0183	12	2	2
659648.218264	4047658.932212	33,300		-109.216005	36.561033	11/8/2012	092958	1970.88	NMEA 0183	12	2	2
659637.412564	4047664.863325	33,300		-109.216125	36.561088	11/8/2012	093014	1971.58	NMEA 0183	12	2	2
659659.189876	4047663.682220	33,300		-109.215882	36.561074	11/8/2012	093148	1969.36	NMEA 0183	12	2	2
659659.818346	4047672.834852	33,300		-109.215873	36.561156	11/8/2012	093247	1969.42	NMEA 0183	12	2	2
659659.419028	4047673.607995	33,300		-109.215877	36.561163	11/8/2012	093330	1969.12	NMEA 0183	12	2	2
659649.900851	4047687.270472	33,300		-109.215980	36.561288	11/8/2012	093518	1969.94	NMEA 0183	12	2	2
659665.756326	4047693.219047	33,300		-109.215802	36.561339	11/8/2012	093757	1967.58	NMEA 0183	12	2	2
659663.241968	4047698.049919	33,300		-109.215829	36.561383	11/8/2012	093846	1968.56	NMEA 0183	12	2	2
659678.236817	4047696.983472	33,300		-109.215662	36.561371	11/8/2012	093906	1967.20	NMEA 0183	12	2	2
659687.021173	4047696.251258	33,300		-109.215564	36.561363	11/8/2012	093915	1966.21	NMEA 0183	12	2	2
659659.856355	4047712.763952	33,300		-109.215864	36.561516	11/8/2012	094138	1967.44	NMEA 0183	12	2	2
659682.519766	4047714.081585	33,300		-109.215611	36.561524	11/8/2012	094324	1965.88	NMEA 0183	12	2	2
659658.726596	4047721.782230	33,300		-109.215875	36.561598	11/8/2012	094345	1966.99	NMEA 0183	12	2	2
659658.522492	4047726.188009	33,300		-109.215876	36.561637	11/8/2012	094352	1967.57	NMEA 0183	12	2	2
659663.204601	4047725.072614	33,300		-109.215824	36.561626	11/8/2012	094445	1967.11	NMEA 0183	12	2	2
659672.556347	4047738.389761	33,300		-109.215717	36.561745	11/8/2012	094748	1966.15	NMEA 0183	12	2	2
659695.476269	4047737.057943	33,300		-109.215461	36.561729	11/8/2012	094847	1964.35	NMEA 0183	12	2	2
659670.664521	4047742.560760	33,300		-109.215737	36.561783	11/8/2012	094910	1965.57	NMEA 0183	12	2	2
659692.379384	4047744.493402	33,300		-109.215494	36.561797	11/8/2012	095007	1963.68	NMEA 0183	12	2	2
659685.325988	4047746.027186	33,300		-109.215573	36.561812	11/8/2012	095013	1963.73	NMEA 0183	12	2	2
659692.592289	4047748.217001	33,300		-109.215491	36.561830	11/8/2012	095110	1963.36	NMEA 0183	12	2	2
659689.459510	4047751.878507	33,300		-109.215525	36.561864	11/8/2012	095135	1963.73	NMEA 0183	12	2	2
659665.669080	4047772.865217	33,300		-109.215787	36.562057	11/8/2012	095432	1966.00	NMEA 0183	12	2	2
659679.683738	4047783.041263	33,300		-109.215628	36.562146	11/8/2012	095555	1963.41	NMEA 0183	12	2	2
659675.846003	4047795.584660	33,300		-109.215668	36.562260	11/8/2012	095655	1964.00	NMEA 0183	12	2	2
659631.510702	4047804.513378	33,300		-109.216162	36.562348	11/8/2012	095828	1967.46	NMEA 0183	12	2	2
659616.280833	4047821.155137	33,300		-109.216328	36.562500	11/8/2012	100041	1964.24	NMEA 0183	12	2	2
659598.481159	4047832.753350	33,400		-109.216525	36.562608	10/27/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659575.918135	4047736.733886	33,400		-109.216797	36.561746	10/27/2012	114628	1963.62	NMEA 0183	12	2	2
659583.031032	4047715.578188	33,400		-109.216721	36.561554	10/27/2012	115808	1964.49	NMEA 0183	12	2	2
659583.736743	4047711.559041	33,400		-109.216714	36.561518	11/1/2012	161731	1963.45	NMEA 0183	12	2	2
659580.761946	4047685.061285	33,400		-109.216753	36.561280	11/1/2012	161842	1963.29	NMEA 0183	12	2	2
659592.539185	4047714.596653	33,400		-109.216615	36.561544	11/1/2012	162115	1964.39	NMEA 0183	12	2	2
659592.756513	4047715.429327	33,400		-109.216613	36.561551	11/1/2012	162116	1964.50	NMEA 0183	12	2	2
659593.587174	4047707.489392	33,400		-109.216605	36.561480	11/1/2012	162152	1964.18	NMEA 0183	12	2	2
659590.965992	4047697.084589	33,400		-109.216637	36.561386	11/1/2012	162203	1963.89	NMEA 0183	12	2	2
659593.750638	4047698.595610	33,400		-109.216605	36.561399	11/1/2012	162413	1963.76	NMEA 0183	12	2	2
659624.580085	4047633.497512	33,400		-109.216274	36.560808	11/2/2012	104636	1975.04	NMEA 0183	12	2	2
659621.315296	4047696.478554	33,400		-109.216298	36.561376	11/2/2012	105431	1970.22	NMEA 0183	12	2	2
659619.446344	4047676.894938	33,400		-109.216323	36.561200	11/2/2012	105452	1970.27	NMEA 0183	12	2	2
659618.514314	4047671.073448	33,400		-109.216334	36.561147	11/2/2012	105458	1970.34	NMEA 0183	12	2	2
659617.494062	4047663.250851	33,400		-109.216347	36.561077	11/2/2012	105506	1970.82	NMEA 0183	12	2	2
659613.985064	4047676.656757	33,400		-109.216384	36.561198	11/2/2012	105719	1968.92	NMEA 0183	12	2	2
659610.742607	4047691.299475	33,400		-109.216417	36.561331	11/2/2012	110029	1967.72	NMEA 0183	12	2	2
659601.072337	4047637.546862	33,400		-109.216536	36.560848	11/2/2012	110130	1970.60	NMEA 0183	12	2	2
659603.350556	4047670.947543	33,400		-109.216504	36.561149	11/2/2012	110319	1967.07	NMEA 0183	12	2	2
659603.774475	4047690.004945	33,400		-109.216495	36.561320	11/2/2012	110505	1966.22	NMEA 0183	12	2	2
659601.562461	4047639.520280	33,400		-109.216530	36.560866	11/2/2012	111545	1970.61	NMEA 0183	12	2	2
659621.239964	4047636.350599	33,400		-109.216311	36.560834	11/2/2012	111609	1973.73	NMEA 0183	12	2	2
659631.655404	4047631.429532	33,400		-109.216196	36.560788	11/8/2012	092441	1973.35	NMEA 0183	12	2	2
659633.980605	4047633.577569	33,400		-109.216169	36.560807	11/8/2012	092603	1972.78	NMEA 0183	12	2	2
659647.297806	4047667.688024	33,400		-109.216014	36.561112	11/8/2012	093136	1970.53	NMEA 0183	12	2	2
659655.988898	4047667.238893	33,400		-109.215917	36.561107	11/8/2012	093202	1969.26	NMEA 0183	12	2	2
659663.798841	4047666.188932	33,400		-109.215830	36.561096	11/8/2012	093234	1969.54	NMEA 0183	12	2	2
659653.460933	4047666.474589	33,400		-109.215941	36.561280	11/8/2012	093521	1969.83	NMEA 0183	12	2	2
659666.082983	4047689.124434	33,400		-109.215799	36.561302	11/8/2012	093654	1968.02	NMEA 0183	12	2	2
659663.005319	4047690.941022	33,400		-109.215833	36.561319	11/8/2012	093739	1967.86	NMEA 0183	12	2	2
659659.773703	4047691.726348	33,400		-109.215869	36.561327	11/8/2012	093742	1968.23	NMEA 0183	12	2	2
659649.446313	4047703.485318	33,400		-109.215982	36.561434	11/8/2012	093951	1969.89	NMEA 0183	12	2	2
659682.079834	4047706.510201	33,400		-109.215617	36.561456	11/8/2012	094159	1966.08	NMEA 0183	12	2	2
659654.803458	4047717.939850	33,400		-109.215919	36.561564	11/8/2012	094244	1967.57	NMEA 0183	12	2	2
659667.644587	4047716.339569	33,400		-109.215776	36.561547	11/8/2012	094256	1966.46	NMEA 0183	12	2	2
659680.792333	4047710.117171	33,400		-109.215631	36.561489	11/8/2012	094309	1966.13	NMEA 0183	12	2	2
659675.829881	4047716.448917	33,400		-109.215685	36.561547	11/8/2012	094409	1966.34	NMEA 0183	12	2	2
659679.655103	4047715.596927	33,400		-109.215642	36.561538	11/8/2012	094413	1966.35	NMEA 0183	12	2	2
659686.008039	4047723.586936	33,400		-109.215570	36.561609	11/8/2012	094527	1964.72	NMEA 0183	12	2	2
659677.366940	4047729.948444	33,400		-109.215665	36.561668	11/8/2012	094612	1965.88	NMEA 0183	12	2	2
659671.504637	4047738.618098	33,400		-109.215728	36.561747	11/8/2012	094749	1966.22	NMEA 0183	12	2	2
659684.700378	4047737.446145	33,400		-109.215581	36.561734	11/8/2012	094828	1965.24	NMEA 0183	12	2	2
659686.855133	4047736.957133	33,400		-109.215557	36.561730	11/8/2012	094830	1965.20	NMEA 0183	12	2	2
659696.469924	4047737.063437	33,400		-109.215450	36.561729	11/8/2012	094846	1964.26	NMEA 0183	12	2	2
659669.296854	4047777.747175	33,400		-109.215745	36.562100	11/8/2012	095503	1964.89	NMEA 0183	12	2	2
659679.456735	4047784.740578	33,400		-109.215630	36.562161	11/8/2012	095557	1963.66	NMEA 0183	12	2	2
659665.024256	4047788.477248	33,400		-109.215791	36.562197	11/8/2012	095616	1964.84	NMEA 0183	12	2	2
659619.662569	4047817.422390	33,400		-109.216291	36.562466	11/8/2012	100011	1964.94	NMEA 0183	12	2	2
659628.394085	4047824.598247	33,400		-109.216192	36.562529	11/8/2012	100116	1963.83	NMEA 0183	12	2	2
659631.068494	4047669.340160	33,400		-109.216194	36.561130	11/8/2012	114239	1971.36	NMEA 0183	12	2	2
659628.753018	4047636.586152	33,400		-109.216227	36.560835	11/8/2012	114352	1973.55	NMEA 0183	12	2	2
659597.388072	4047833.604260	33,500		-109.216537	36.562615	10/27/2012	114417	1961.07	NMEA 0183	12	2	2
659541.285944	4047590.583525	33,500		-109.217214	36.560435	10/27/2012	114822	1966.46	NMEA 0183	12	2	2
659539.848768	4047585.364916	33,500		-109.217231	36.560388	10/27/2012	114828	1966.79	NMEA 0183	12	2	2
659562.704076	4047625.276844	33,500		-109.216967	36.560744	11/1/2012	161553	1964.18	NMEA 0183	12	2	2
659585.595717	4047718.570395	33,500		-109.216692	36.561581	11/1/2012	161739	1963.86	NMEA 0183	12	2	2
659586.501961	4047723.449931	33,500		-109.216681	36.561625	11/1/2012	161744	1964.06	NMEA 0183	12	2	2
659580.431526	4047684.211718	33,500		-109.216757	36.561272	11/1/2012	161843	1963.41	NMEA 0183	12	2	2
659611.320715	4047642.194608	33,500		-109.216421	36.560888	11/1/2012	162720	1971.33	NMEA 0183	12	2	2
659617.604557	4047627.129247	33,500		-109.216354	36.560752	11/1/2012	162742	1973.89	NMEA 0183	12	2	2
659625.035736	4047636.524592	33,500		-109.216269	36.560835	11/2/2012	104751	1974.62	NMEA 0183	12	2	2
659631.077806	4047692.967758	33,500		-109.216189	36.561343	11/2/2012	104923	1971.57	NMEA 0183	12	2	2
659624.229455	4047645.079061	33,500		-109.216276	36.560912	11/2/2012	105015	1973.55	NMEA 0183	12	2	2
659623.024298	4047636.365202	33,500		-109.216291	36.560834	11/2/2012	105025	1974.39	NMEA 0183	12	2	2
659620.841955	4047636.570723	33,500		-109.216315	36.560836	11/2/2012	105035	1974.12	NMEA 0183	12	2	2
659620.099444	4047644.503043	33,500		-109.216322	36.560908	11/2/2012	105249	1972.98	NMEA 0183	12	2	2
659619.151986	4047637.099817	33,500		-109.216334	36.560841	11/2/2012	105257	1973.58	NMEA 0183	12	2	2
659616.374719	4047634.144350	33,500		-109.216366	36.560815	11/2/2012	105305	1973.48	NMEA 0183	12	2	2
659616.004650	4047655.140255	33,500		-109.216366	36.561004	11/2/2012	105514	1971.44	NMEA 0183	12	2	2
659615.128400	4047650.333408	33,500		-109.216376	36.560961	11/2/2012	105519	1971.66	NMEA 0183	12	2	2
659614.552044	4047647.378075	33,500		-109.216384	36.560934	11/2/2012	105522	1971.90	NMEA 0183	12	2	2
659613.047120	4047636.322551	33,500		-109.216403	36.560835	11/2/2012	105534	1973.02	NMEA 0183	12	2	2
659615.211709	4047669.330854	33,500		-109.216372	36.561132	11/2/2012	105619	1969.73	NMEA 0183	12	2	2
659617.084215	4047700.789284	33,500		-109.216344	36.561415	11/2/2012	105653	1969.47	NMEA 0183	12	2	2
659615.321512	4047690.439241	33,500		-109.216366	36.561322	11/2/2012	105705	1968.79	NMEA 0183	12	2	2
659609.723290	4047649.238036	33,500		-109.216437	36.560952	11/2/2012	105821	1970.86	NMEA 0183	12	2	2
659612.074699	4047701.857939	33,500		-109.216400	36.561426	11/2/2012	110010	1968.27	NMEA 0183	12	2	2
659610.803498	4047693.325971	33,500		-109.216416	36.561349	11/2/2012	110027	1967.78	NMEA 0183	12	2	2
659601.483268	4047639.204371	33,500		-109.216531	36.560863	11/2/2012	110128	1970.57	NMEA 0183	12	2	2
659600.826391	4047636.728454	33,500		-109.216539	36.560841	11/2/2012	110131	1970.67	NMEA 0183	12	2	2
659602.386412	4047667.178571	33,500		-109.216515	36.561115	11/2/2012</						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659636.361556	4047631.272685	33,500		-109.216143	36.560786	11/8/2012	092533	1972.53	NMEA 0183	12	2	2
659636.918004	4047641.252620	33,500		-109.216135	36.560876	11/8/2012	092648	1971.90	NMEA 0183	12	2	2
659636.834824	4047657.559438	33,500		-109.216133	36.561022	11/8/2012	092923	1971.96	NMEA 0183	12	2	2
659652.438073	4047655.633045	33,500		-109.215959	36.561003	11/8/2012	092942	1970.59	NMEA 0183	12	2	2
659663.299442	4047665.761644	33,500		-109.215835	36.561092	11/8/2012	093155	1968.80	NMEA 0183	12	2	2
659654.249394	4047674.137256	33,500		-109.215935	36.561169	11/8/2012	093252	1970.10	NMEA 0183	12	2	2
659665.272437	4047675.551458	33,500		-109.215811	36.561180	11/8/2012	093344	1968.43	NMEA 0183	12	2	2
659660.811829	4047677.031645	33,500		-109.215861	36.561194	11/8/2012	093349	1969.25	NMEA 0183	12	2	2
659672.661269	4047679.343474	33,500		-109.215728	36.561213	11/8/2012	093411	1968.02	NMEA 0183	12	2	2
659677.472924	4047687.893063	33,500		-109.215672	36.561289	11/8/2012	093726	1966.74	NMEA 0183	12	2	2
659676.335876	4047688.136462	33,500		-109.215685	36.561291	11/8/2012	093727	1966.81	NMEA 0183	12	2	2
659682.847345	4047700.128353	33,500		-109.215610	36.561398	11/8/2012	093921	1966.52	NMEA 0183	12	2	2
659683.524837	4047709.130227	33,500		-109.215600	36.561479	11/8/2012	094213	1965.92	NMEA 0183	12	2	2
659654.106449	4047717.386819	33,500		-109.215927	36.561559	11/8/2012	094243	1967.73	NMEA 0183	12	2	2
659656.644061	4047718.057236	33,500		-109.215899	36.561564	11/8/2012	094246	1967.09	NMEA 0183	12	2	2
659676.524317	4047715.612815	33,500		-109.215677	36.561539	11/8/2012	094410	1966.47	NMEA 0183	12	2	2
659673.705407	4047725.115798	33,500		-109.215707	36.561625	11/8/2012	094511	1965.96	NMEA 0183	12	2	2
659675.988990	4047733.283688	33,500		-109.215679	36.561698	11/8/2012	094637	1966.02	NMEA 0183	12	2	2
659697.235157	4047740.532787	33,500		-109.215441	36.561760	11/8/2012	094958	1963.59	NMEA 0183	12	2	2
659694.973152	4047747.604562	33,500		-109.215464	36.561824	11/8/2012	095112	1963.15	NMEA 0183	12	2	2
659699.522332	4047746.335049	33,500		-109.215414	36.561812	11/8/2012	095116	1962.89	NMEA 0183	12	2	2
659690.031815	4047753.844209	33,500		-109.215518	36.561881	11/8/2012	095155	1963.93	NMEA 0183	12	2	2
659660.241253	4047771.551128	33,500		-109.215847	36.562046	11/8/2012	095356	1966.76	NMEA 0183	12	2	2
659671.780523	4047794.349485	33,500		-109.215714	36.562249	11/8/2012	095650	1964.46	NMEA 0183	12	2	2
659618.588958	4047820.520983	33,500		-109.216303	36.562494	11/8/2012	100039	1964.22	NMEA 0183	12	2	2
659629.676048	4047823.057226	33,500		-109.216178	36.562515	11/8/2012	100114	1963.62	NMEA 0183	12	2	2
659617.473529	4047826.839042	33,500		-109.216314	36.562551	11/8/2012	100126	1962.96	NMEA 0183	12	2	2
659570.610587	4047697.552371	33,600		-109.216864	36.561394	10/27/2012	115017	1963.49	NMEA 0183	12	2	2
659573.192854	4047687.447535	33,600		-109.216837	36.561302	10/27/2012	115510	1963.48	NMEA 0183	12	2	2
659583.152769	4047708.692352	33,600		-109.216722	36.561492	11/1/2012	161728	1963.21	NMEA 0183	12	2	2
659587.150776	4047725.233929	33,600		-109.216673	36.561641	11/1/2012	161746	1964.04	NMEA 0183	12	2	2
659589.182835	4047717.120212	33,600		-109.216652	36.561567	11/1/2012	161808	1964.42	NMEA 0183	12	2	2
659585.295480	4047701.853246	33,600		-109.216699	36.561430	11/1/2012	161825	1963.43	NMEA 0183	12	2	2
659592.169439	4047712.810433	33,600		-109.216620	36.561528	11/1/2012	162113	1964.20	NMEA 0183	12	2	2
659593.892711	4047709.439040	33,600		-109.216601	36.561497	11/1/2012	162150	1964.32	NMEA 0183	12	2	2
659590.716448	4047696.138490	33,600		-109.216640	36.561378	11/1/2012	162204	1963.86	NMEA 0183	12	2	2
659579.164550	4047646.645894	33,600		-109.216779	36.560934	11/1/2012	162308	1964.53	NMEA 0183	12	2	2
659593.999528	4047700.703278	33,600		-109.216602	36.561418	11/1/2012	162415	1963.79	NMEA 0183	12	2	2
659624.578593	4047633.497484	33,600		-109.216274	36.560808	11/2/2012	104637	1975.03	NMEA 0183	12	2	2
659624.676954	4047633.584393	33,600		-109.216273	36.560808	11/2/2012	104736	1974.90	NMEA 0183	12	2	2
659624.917983	4047636.437324	33,600		-109.216270	36.560834	11/2/2012	104746	1974.61	NMEA 0183	12	2	2
659621.141068	4047640.314413	33,600		-109.216311	36.560870	11/2/2012	105039	1973.86	NMEA 0183	12	2	2
659622.012516	4047687.287631	33,600		-109.216292	36.561293	11/2/2012	105402	1970.44	NMEA 0183	12	2	2
659620.068193	4047684.395704	33,600		-109.216314	36.561267	11/2/2012	105444	1969.98	NMEA 0183	12	2	2
659610.481624	4047634.499300	33,600		-109.216432	36.560819	11/2/2012	105540	1972.82	NMEA 0183	12	2	2
659615.230545	4047689.390652	33,600		-109.216367	36.561313	11/2/2012	105706	1968.65	NMEA 0183	12	2	2
659610.996160	4047700.717045	33,600		-109.216412	36.561416	11/2/2012	110019	1967.85	NMEA 0183	12	2	2
659609.053521	4047696.608082	33,600		-109.216435	36.561379	11/2/2012	110242	1967.31	NMEA 0183	12	2	2
659607.164294	4047695.411459	33,600		-109.216456	36.561369	11/2/2012	110256	1966.92	NMEA 0183	12	2	2
659608.573111	4047638.444344	33,600		-109.216452	36.560855	11/2/2012	111554	1972.00	NMEA 0183	12	2	2
659620.437996	4047636.709351	33,600		-109.216320	36.560837	11/2/2012	111608	1973.57	NMEA 0183	12	2	2
659637.198669	4047631.432488	33,600		-109.216134	36.560787	11/8/2012	092537	1972.36	NMEA 0183	12	2	2
659643.681430	4047632.671797	33,600		-109.216061	36.560797	11/8/2012	092554	1971.82	NMEA 0183	12	2	2
659635.273177	4047636.694163	33,600		-109.216154	36.560835	11/8/2012	092610	1972.29	NMEA 0183	12	2	2
659638.356109	4047636.122477	33,600		-109.216120	36.560829	11/8/2012	092613	1972.13	NMEA 0183	12	2	2
659647.328363	4047641.913721	33,600		-109.216019	36.560880	11/8/2012	092735	1971.15	NMEA 0183	12	2	2
659650.006735	4047641.432564	33,600		-109.215989	36.560875	11/8/2012	092738	1970.82	NMEA 0183	12	2	2
659639.756713	4047648.616949	33,600		-109.216102	36.560941	11/8/2012	092807	1971.57	NMEA 0183	12	2	2
659655.879212	4047656.986098	33,600		-109.215920	36.561014	11/8/2012	092951	1970.16	NMEA 0183	12	2	2
659663.891292	4047672.464660	33,600		-109.215827	36.561152	11/8/2012	093334	1968.70	NMEA 0183	12	2	2
659678.660399	4047683.163347	33,600		-109.215660	36.561246	11/8/2012	093555	1967.15	NMEA 0183	12	2	2
659647.413505	4047700.055344	33,600		-109.216006	36.561404	11/8/2012	093956	1970.48	NMEA 0183	12	2	2
659658.620726	4047713.173843	33,600		-109.215878	36.561520	11/8/2012	094137	1967.29	NMEA 0183	12	2	2
659662.513142	4047716.902826	33,600		-109.215833	36.561553	11/8/2012	094251	1966.65	NMEA 0183	12	2	2
659680.437015	4047714.549738	33,600		-109.215634	36.561529	11/8/2012	094326	1965.96	NMEA 0183	12	2	2
659658.849271	4047730.128278	33,600		-109.215872	36.561673	11/8/2012	094457	1967.84	NMEA 0183	12	2	2
659682.453845	4047732.056054	33,600		-109.215610	36.561596	11/8/2012	094519	1965.04	NMEA 0183	12	2	2
659679.557130	4047725.781134	33,600		-109.215641	36.561630	11/8/2012	094533	1965.55	NMEA 0183	12	2	2
659671.659681	4047726.644490	33,600		-109.215729	36.561639	11/8/2012	094542	1966.63	NMEA 0183	12	2	2
659693.525077	4047737.432353	33,600		-109.215483	36.561733	11/8/2012	094849	1964.57	NMEA 0183	12	2	2
659680.903684	4047747.213977	33,600		-109.215622	36.561823	11/8/2012	095019	1965.04	NMEA 0183	12	2	2
659667.876191	4047750.899033	33,600		-109.215766	36.561858	11/8/2012	095031	1966.20	NMEA 0183	12	2	2
659679.716839	4047751.427651	33,600		-109.215634	36.561861	11/8/2012	095059	1964.96	NMEA 0183	12	2	2
659687.793877	4047749.328371	33,600		-109.215544	36.561841	11/8/2012	095106	1963.67	NMEA 0183	12	2	2
659698.347177	4047746.622130	33,600		-109.215427	36.561815	11/8/2012	095115	1962.94	NMEA 0183	12	2	2
659675.338994	4047779.165152	33,600		-109.215677	36.562112	11/8/2012	095517	1964.30	NMEA 0183	12	2	2
659669.504081	4047791.185032	33,600		-109.215740	36.562221	11/8/2012	095710	1964.24	NMEA 0183	12	2	2
659637.695567	4047800.730911	33,600		-109.216093	36.562312	11/8/2012	095756	1967.96	NMEA 0183	12	2	2
659625.716620	4047808.867241	33,600		-109.216225	36.562388	11/8/2012	095901	1966.86	NMEA 0183	12	2	2
659632.677129	4047649.145934	33,600		-109.216181	36.560947	11/8/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659539.688647	4047585.067854	33,700		-109.217233	36.560386	10/27/2012	114829	1966.79	NMEA 0183	12	2	2
659603.285457	4047832.528025	33,700		-109.216471	36.562605	10/27/2012	115235	1962.55	NMEA 0183	12	2	2
659589.859542	4047702.838673	33,700		-109.216648	36.561438	11/1/2012	162103	1963.59	NMEA 0183	12	2	2
659593.241071	4047705.635173	33,700		-109.216609	36.561463	11/1/2012	162154	1963.91	NMEA 0183	12	2	2
659597.159905	4047715.181762	33,700		-109.216564	36.561548	11/1/2012	162431	1964.97	NMEA 0183	12	2	2
659624.616055	4047633.488931	33,700		-109.216274	36.560808	11/2/2012	104643	1975.01	NMEA 0183	12	2	2
659631.771232	4047699.102963	33,700		-109.216180	36.561398	11/2/2012	104902	1971.69	NMEA 0183	12	2	2
659631.249228	4047699.894178	33,700		-109.216186	36.561405	11/2/2012	104914	1971.63	NMEA 0183	12	2	2
659620.170746	4047645.405145	33,700		-109.216321	36.560916	11/2/2012	105248	1972.81	NMEA 0183	12	2	2
659622.230007	4047692.535422	33,700		-109.216288	36.561340	11/2/2012	105408	1970.45	NMEA 0183	12	2	2
659619.148652	4047673.959570	33,700		-109.216327	36.561173	11/2/2012	105455	1970.32	NMEA 0183	12	2	2
659609.851233	4047683.205522	33,700		-109.216429	36.561258	11/2/2012	110037	1967.66	NMEA 0183	12	2	2
659608.665634	4047691.536547	33,700		-109.216440	36.561333	11/2/2012	110237	1967.33	NMEA 0183	12	2	2
659608.896858	4047694.596457	33,700		-109.216437	36.561361	11/2/2012	110240	1967.38	NMEA 0183	12	2	2
659636.509484	4047631.342017	33,700		-109.216142	36.560786	11/8/2012	092448	1972.80	NMEA 0183	12	2	2
659641.984896	4047639.667141	33,700		-109.216079	36.560860	11/8/2012	092653	1971.55	NMEA 0183	12	2	2
659647.182490	4047644.226776	33,700		-109.216020	36.560901	11/8/2012	092744	1970.95	NMEA 0183	12	2	2
659634.597402	4047651.967131	33,700		-109.216159	36.560972	11/8/2012	092841	1972.45	NMEA 0183	12	2	2
659647.448572	4047664.548266	33,700		-109.216013	36.561084	11/8/2012	093050	1970.60	NMEA 0183	12	2	2
659653.299567	4047691.713503	33,700		-109.215942	36.561327	11/8/2012	093642	1968.82	NMEA 0183	12	2	2
659662.784294	4047689.986200	33,700		-109.215836	36.561310	11/8/2012	093651	1968.27	NMEA 0183	12	2	2
659656.995630	4047702.889230	33,700		-109.215898	36.561428	11/8/2012	093944	1969.21	NMEA 0183	12	2	2
659685.428641	4047718.304680	33,700		-109.215577	36.561562	11/8/2012	094424	1965.94	NMEA 0183	12	2	2
659687.683605	4047727.370973	33,700		-109.215550	36.561643	11/8/2012	094621	1964.96	NMEA 0183	12	2	2
659686.869147	4047735.237218	33,700		-109.215558	36.561714	11/8/2012	094735	1965.29	NMEA 0183	12	2	2
659687.554757	4047742.916744	33,700		-109.215548	36.561783	11/8/2012	094949	1964.14	NMEA 0183	12	2	2
659683.640014	4047746.502701	33,700		-109.215591	36.561816	11/8/2012	095015	1964.15	NMEA 0183	12	2	2
659676.983764	4047794.819673	33,700		-109.215656	36.562253	11/8/2012	095657	1963.74	NMEA 0183	12	2	2
659678.672357	4047792.594436	33,700		-109.215637	36.562232	11/8/2012	095701	1963.36	NMEA 0183	12	2	2
659669.403800	4047791.201667	33,700		-109.215741	36.562221	11/8/2012	095712	1964.24	NMEA 0183	12	2	2
659618.960719	4047816.085021	33,700		-109.216299	36.562454	11/8/2012	100009	1965.41	NMEA 0183	12	2	2
659630.427952	4047663.973542	33,700		-109.216203	36.561081	11/8/2012	114235	1971.66	NMEA 0183	12	2	2
659631.473462	4047658.610457	33,700		-109.216192	36.561033	11/8/2012	114335	1972.21	NMEA 0183	12	2	2
659592.726623	4047641.095068	33,700		-109.216629	36.560882	11/2/2012	110624	1968.64	NMEA 0183	12	2	2
659598.237696	4047696.009790	33,700		-109.216556	36.561375	11/2/2012	110801	1965.40	NMEA 0183	12	2	2
659587.885377	4047638.881882	33,700		-109.216683	36.560862	11/2/2012	110900	1967.79	NMEA 0183	12	2	2
659587.586210	4047654.208075	33,700		-109.216683	36.561001	11/2/2012	110940	1966.63	NMEA 0183	12	2	2
659586.230325	4047649.677184	33,700		-109.216699	36.560960	11/2/2012	110945	1966.55	NMEA 0183	12	2	2
659584.072699	4047641.555052	33,700		-109.216725	36.560887	11/2/2012	110954	1966.40	NMEA 0183	12	2	2
659578.728840	4047625.807066	33,700		-109.216788	36.560746	11/2/2012	111014	1966.81	NMEA 0183	12	2	2
659570.516915	4047618.117460	33,700		-109.216881	36.560678	11/2/2012	111144	1966.47	NMEA 0183	12	2	2
659574.525951	4047625.298156	33,700		-109.216835	36.560742	11/2/2012	111153	1966.55	NMEA 0183	12	2	2
659573.145266	4047627.736284	33,700		-109.216850	36.560764	11/2/2012	111305	1966.06	NMEA 0183	12	2	2
659569.549444	4047617.664851	33,700		-109.216892	36.560674	11/2/2012	111319	1966.31	NMEA 0183	12	2	2
659633.472133	4047643.854038	33,700		-109.216173	36.560900	11/8/2012	092720	1972.40	NMEA 0183	12	2	2
659642.766904	4047660.249754	33,700		-109.216066	36.561046	11/8/2012	093003	1971.35	NMEA 0183	12	2	2
659632.510109	4047647.853630	33,700		-109.216183	36.560936	11/8/2012	114412	1972.91	NMEA 0183	12	2	2
659572.354277	4047721.643093	33,700		-109.216839	36.561611	10/27/2012	114640	1963.50	NMEA 0183	12	2	2
659568.329801	4047703.308725	33,700		-109.216888	36.561446	10/27/2012	114654	1963.15	NMEA 0183	12	2	2
659563.022068	4047634.360816	33,700		-109.216962	36.560826	10/27/2012	115703	1965.22	NMEA 0183	12	2	2
659576.910746	4047693.831186	33,700		-109.216794	36.561359	10/27/2012	115751	1963.74	NMEA 0183	12	2	2
659558.653896	4047616.854276	33,700		-109.217014	36.560669	11/1/2012	161540	1964.46	NMEA 0183	12	2	2
659566.283309	4047636.886873	33,700		-109.216925	36.560848	11/1/2012	161612	1964.04	NMEA 0183	12	2	2
659599.202082	4047640.636230	33,700		-109.216556	36.560876	11/2/2012	110141	1970.07	NMEA 0183	12	2	2
659602.772571	4047661.805104	33,700		-109.216512	36.561066	11/2/2012	110207	1968.27	NMEA 0183	12	2	2
659605.453167	4047670.213390	33,700		-109.216480	36.561142	11/2/2012	110216	1967.78	NMEA 0183	12	2	2
659607.800278	4047685.257582	33,700		-109.216451	36.561277	11/2/2012	110231	1967.28	NMEA 0183	12	2	2
659596.592050	4047642.581742	33,700		-109.216585	36.560894	11/2/2012	110351	1969.04	NMEA 0183	12	2	2
659593.759714	4047636.159019	33,700		-109.216618	36.560837	11/2/2012	110401	1969.36	NMEA 0183	12	2	2
659593.266361	4047636.290442	33,700		-109.216624	36.560838	11/2/2012	110402	1969.26	NMEA 0183	12	2	2
659600.654678	4047682.026880	33,700		-109.216532	36.561249	11/2/2012	110539	1966.25	NMEA 0183	12	2	2
659586.544811	4047640.765858	33,700		-109.216698	36.560880	11/2/2012	110905	1967.11	NMEA 0183	12	2	2
659582.307966	4047635.249313	33,700		-109.216746	36.560831	11/2/2012	111001	1966.19	NMEA 0183	12	2	2
659575.294121	4047618.635169	33,700		-109.216828	36.560682	11/2/2012	111026	1966.89	NMEA 0183	12	2	2
659565.593110	4047604.020613	33,700		-109.216939	36.560552	11/2/2012	111048	1966.70	NMEA 0183	12	2	2
659561.641364	4047600.991596	33,700		-109.216984	36.560525	11/2/2012	111124	1966.80	NMEA 0183	12	2	2
659576.241294	4047625.814575	33,700		-109.216816	36.560747	11/2/2012	111156	1966.91	NMEA 0183	12	2	2
659579.353406	4047628.818780	33,700		-109.216781	36.560773	11/2/2012	111202	1966.53	NMEA 0183	12	2	2
659578.478435	4047631.826729	33,700		-109.216790	36.560800	11/2/2012	111206	1965.99	NMEA 0183	12	2	2
659561.136507	4047624.757619	33,800		-109.216985	36.560740	10/27/2012	115656	1965.46	NMEA 0183	12	2	2
659585.998793	4047720.651328	33,800		-109.216687	36.561599	11/1/2012	161741	1963.98	NMEA 0183	12	2	2
659586.125734	4047721.530416	33,800		-109.216686	36.561607	11/1/2012	161742	1964.08	NMEA 0183	12	2	2
659590.163713	4047693.357463	33,800		-109.216646	36.561353	11/1/2012	162207	1963.88	NMEA 0183	12	2	2
659624.720777	4047633.635146	33,800		-109.216273	36.560809	11/2/2012	104651	1975.02	NMEA 0183	12	2	2
659624.682784	4047633.591899	33,800		-109.216273	36.560809	11/2/2012	104739	1974.92	NMEA 0183	12	2	2
659627.985702	4047696.850149	33,800		-109.216223	36.561378	11/2/2012	105137	1971.66	NMEA 0183	12	2	2
659621.087482	4047694.602482	33,800		-109.216301	36.561359	11/2/2012	105433	1970.19	NMEA 0183	12	2	2
659618.398109	4047670.098377	33,800		-109.216336	36.561139	11/2/2012	105459	1970.41	NMEA 0183	12	2	2
659611.409702	4047641.097567	33,800		-109.216420	36.560878	11/2/2012	105548	1972.38	NMEA 0183	12	2	2
659617.483765	4047700.485955	33,800		-109.216340	36.561413	11/2/201						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659608.468693	4047690.489692	33,800		-109.216443	36.561324	11/2/2012	110236	1967.26	NMEA 0183	12	2	2
659603.321643	4047683.768776	33,800		-109.216501	36.561264	11/2/2012	110459	1966.48	NMEA 0183	12	2	2
659612.697145	4047638.297033	33,800		-109.216406	36.560853	11/2/2012	111559	1972.57	NMEA 0183	12	2	2
659642.631886	4047632.863185	33,800		-109.216073	36.560799	11/8/2012	092555	1971.97	NMEA 0183	12	2	2
659640.421816	4047635.689140	33,800		-109.216097	36.560825	11/8/2012	092615	1972.02	NMEA 0183	12	2	2
659645.550517	4047634.552424	33,800		-109.216040	36.560814	11/8/2012	092620	1971.54	NMEA 0183	12	2	2
659645.692804	4047636.856028	33,800		-109.216038	36.560834	11/8/2012	092630	1971.52	NMEA 0183	12	2	2
659646.864959	4047638.098544	33,800		-109.216025	36.560845	11/8/2012	092658	1971.30	NMEA 0183	12	2	2
659667.023696	4047670.110840	33,800		-109.215793	36.561131	11/8/2012	093240	1968.96	NMEA 0183	12	2	2
659656.732560	4047688.116743	33,800		-109.215904	36.561295	11/8/2012	093614	1969.09	NMEA 0183	12	2	2
659646.917834	4047696.853652	33,800		-109.216012	36.561375	11/8/2012	093959	1970.64	NMEA 0183	12	2	2
659683.581769	4047721.660815	33,800		-109.215597	36.561592	11/8/2012	094520	1965.06	NMEA 0183	12	2	2
659668.576683	4047732.689276	33,800		-109.215762	36.561694	11/8/2012	094604	1967.04	NMEA 0183	12	2	2
659675.105149	4047761.533644	33,800		-109.215684	36.561953	11/8/2012	095254	1964.74	NMEA 0183	12	2	2
659673.088461	4047779.750420	33,800		-109.215702	36.562117	11/8/2012	095515	1964.20	NMEA 0183	12	2	2
659677.668108	4047784.958938	33,800		-109.215650	36.562164	11/8/2012	095559	1963.90	NMEA 0183	12	2	2
659667.320841	4047792.084140	33,800		-109.215764	36.562230	11/8/2012	095638	1964.48	NMEA 0183	12	2	2
659673.719028	4047791.361280	33,800		-109.215693	36.562222	11/8/2012	095706	1964.04	NMEA 0183	12	2	2
659615.444419	4047824.739040	33,800		-109.216337	36.562532	11/8/2012	100059	1963.48	NMEA 0183	12	2	2
659635.639861	4047686.983692	33,800		-109.216140	36.561288	11/8/2012	114314	1971.14	NMEA 0183	12	2	2
659633.634201	4047673.242429	33,800		-109.216165	36.561164	11/8/2012	114324	1971.41	NMEA 0183	12	2	2
659630.927723	4047654.568097	33,800		-109.216199	36.560997	11/8/2012	114338	1972.44	NMEA 0183	12	2	2
659594.079929	4047719.055140	33,800		-109.216597	36.561584	11/1/2012	162128	1965.05	NMEA 0183	12	2	2
659580.528978	4047650.072702	33,800		-109.216763	36.560964	11/1/2012	162312	1964.41	NMEA 0183	12	2	2
659627.499775	4047668.670970	33,800		-109.216234	36.561124	11/2/2012	104950	1972.16	NMEA 0183	12	2	2
659627.131846	4047664.937101	33,800		-109.216239	36.561091	11/2/2012	104954	1972.39	NMEA 0183	12	2	2
659624.826640	4047666.618211	33,800		-109.216265	36.561106	11/2/2012	105106	1972.12	NMEA 0183	12	2	2
659586.392545	4047640.045370	33,800		-109.216700	36.560873	11/2/2012	110904	1967.24	NMEA 0183	12	2	2
659583.692232	4047639.778881	33,800		-109.216730	36.560871	11/2/2012	110956	1966.28	NMEA 0183	12	2	2
659562.544519	4047598.233870	33,800		-109.216975	36.560500	11/2/2012	111056	1967.20	NMEA 0183	12	2	2
659565.692165	4047607.932607	33,800		-109.216937	36.560587	11/2/2012	111132	1966.69	NMEA 0183	12	2	2
659586.123970	4047653.239485	33,800		-109.216700	36.560992	11/2/2012	111232	1966.56	NMEA 0183	12	2	2
659563.026508	4047607.566887	33,800		-109.216967	36.560584	11/2/2012	111332	1966.23	NMEA 0183	12	2	2
659562.894984	4047614.659701	33,800		-109.216967	36.560648	11/2/2012	111427	1966.01	NMEA 0183	12	2	2
659647.584289	4047687.713949	33,800		-109.216006	36.561292	11/8/2012	093516	1970.34	NMEA 0183	12	2	2
659649.285818	4047697.659643	33,800		-109.215985	36.561382	11/8/2012	094004	1970.56	NMEA 0183	12	2	2
659660.778177	4047721.063790	33,800		-109.215852	36.561591	11/8/2012	094343	1966.71	NMEA 0183	12	2	2
659547.384079	4047614.742022	33,800		-109.217141	36.560652	10/27/2012	114803	1965.35	NMEA 0183	12	2	2
659546.298789	4047611.066993	33,800		-109.217153	36.560619	10/27/2012	114806	1965.51	NMEA 0183	12	2	2
659547.448670	4047598.140774	33,800		-109.217143	36.560502	10/27/2012	114848	1966.21	NMEA 0183	12	2	2
659561.874547	4047628.892322	33,800		-109.216976	36.560777	10/27/2012	115659	1965.38	NMEA 0183	12	2	2
659573.552866	4047682.034739	33,800		-109.216834	36.561254	10/27/2012	115742	1963.74	NMEA 0183	12	2	2
659571.382224	4047646.447931	33,800		-109.216866	36.560933	11/1/2012	161923	1963.91	NMEA 0183	12	2	2
659571.131218	4047645.499956	33,800		-109.216869	36.560925	11/1/2012	161924	1964.00	NMEA 0183	12	2	2
659594.108784	4047719.027931	33,800		-109.216597	36.561583	11/1/2012	162131	1965.05	NMEA 0183	12	2	2
659578.174520	4047644.674304	33,800		-109.216790	36.560916	11/1/2012	162304	1964.51	NMEA 0183	12	2	2
659580.665350	4047650.926070	33,800		-109.216761	36.560972	11/1/2012	162313	1964.43	NMEA 0183	12	2	2
659625.028587	4047636.507813	33,800		-109.216269	36.560835	11/2/2012	104749	1974.62	NMEA 0183	12	2	2
659621.889178	4047683.399229	33,800		-109.216294	36.561258	11/2/2012	105358	1970.48	NMEA 0183	12	2	2
659617.818760	4047666.097936	33,800		-109.216343	36.561103	11/2/2012	105503	1970.62	NMEA 0183	12	2	2
659575.675637	4047735.649194	33,900		-109.216799	36.561736	10/27/2012	114629	1963.66	NMEA 0183	12	2	2
659577.055601	4047705.249906	33,900		-109.216790	36.561462	10/27/2012	115457	1963.33	NMEA 0183	12	2	2
659574.833724	4047692.864143	33,900		-109.216818	36.561351	10/27/2012	115506	1963.50	NMEA 0183	12	2	2
659572.251794	4047684.605669	33,900		-109.216848	36.561277	10/27/2012	115512	1963.41	NMEA 0183	12	2	2
659557.565749	4047613.414099	33,900		-109.217027	36.560638	11/1/2012	161536	1964.65	NMEA 0183	12	2	2
659586.811409	4047724.384194	33,900		-109.216677	36.561633	11/1/2012	161745	1964.03	NMEA 0183	12	2	2
659624.624731	4047633.503889	33,900		-109.216274	36.560808	11/2/2012	104646	1975.00	NMEA 0183	12	2	2
659624.433850	4047646.930653	33,900		-109.216273	36.560929	11/2/2012	105013	1973.37	NMEA 0183	12	2	2
659612.254449	4047644.385266	33,900		-109.216410	36.560908	11/2/2012	105552	1972.09	NMEA 0183	12	2	2
659614.791616	4047685.220799	33,900		-109.216373	36.561275	11/2/2012	105710	1968.62	NMEA 0183	12	2	2
659614.667082	4047683.407682	33,900		-109.216375	36.561259	11/2/2012	105712	1968.70	NMEA 0183	12	2	2
659614.123022	4047678.631043	33,900		-109.216382	36.561216	11/2/2012	105717	1968.88	NMEA 0183	12	2	2
659609.411359	4047647.070010	33,900		-109.216441	36.560933	11/2/2012	105831	1971.13	NMEA 0183	12	2	2
659606.716329	4047651.908644	33,900		-109.216470	36.560977	11/2/2012	105910	1969.92	NMEA 0183	12	2	2
659610.909275	4047695.184981	33,900		-109.216414	36.561366	11/2/2012	110025	1967.87	NMEA 0183	12	2	2
659590.242798	4047643.718045	33,900		-109.216656	36.560906	11/2/2012	111526	1967.35	NMEA 0183	12	2	2
659610.216150	4047638.595048	33,900		-109.216434	36.560856	11/2/2012	111556	1972.25	NMEA 0183	12	2	2
659611.834433	4047638.310625	33,900		-109.216416	36.560853	11/2/2012	111558	1972.48	NMEA 0183	12	2	2
659647.389048	4047630.117781	33,900		-109.216020	36.560773	11/8/2012	092548	1971.37	NMEA 0183	12	2	2
659633.978215	4047647.862369	33,900		-109.216166	36.560936	11/8/2012	092758	1972.16	NMEA 0183	12	2	2
659633.973855	4047648.579952	33,900		-109.216166	36.560942	11/8/2012	092759	1972.28	NMEA 0183	12	2	2
659635.564101	4047654.069620	33,900		-109.216147	36.560991	11/8/2012	092844	1972.22	NMEA 0183	12	2	2
659646.474761	4047652.052461	33,900		-109.216026	36.560971	11/8/2012	092854	1971.16	NMEA 0183	12	2	2
659660.148772	4047668.697767	33,900		-109.215870	36.561119	11/8/2012	093230	1969.55	NMEA 0183	12	2	2
659683.813876	4047688.328874	33,900		-109.215601	36.561292	11/8/2012	093814	1966.25	NMEA 0183	12	2	2
659683.886286	4047700.025557	33,900		-109.215598	36.561397	11/8/2012	093920	1966.46	NMEA 0183	12	2	2
659652.470476	4047698.118255	33,900		-109.215949	36.561385	11/8/2012	094008	1970.12	NMEA 0183	12	2	2
659651.576291	4047705.779561	33,900		-109.215958	36.561455	11/8/2012	094020	1969.42	NMEA 0183	12	2	2
659668.672792	4047716.332753	33,900		-109.215765	36.561547	11/8/2012	094257	1966.54	NMEA 0183	12	2	2
659673.894079	4047717.119561	33,900		-109.215706	36.561553	11/8/2						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659666.848182	4047719.615318	33,900		-109.215784	36.561577	11/8/2012	094338	1966.18	NMEA 0183	12	2	2
659686.482536	4047717.717553	33,900		-109.215566	36.561556	11/8/2012	094423	1965.89	NMEA 0183	12	2	2
659659.576201	4047743.623866	33,900		-109.215861	36.561794	11/8/2012	094804	1967.25	NMEA 0183	12	2	2
659690.299640	4047748.659060	33,900		-109.215516	36.561834	11/8/2012	095108	1963.53	NMEA 0183	12	2	2
659697.882140	4047749.891080	33,900		-109.215431	36.561844	11/8/2012	095127	1963.19	NMEA 0183	12	2	2
659669.497045	4047781.513079	33,900		-109.215742	36.562134	11/8/2012	095531	1964.95	NMEA 0183	12	2	2
659628.176188	4047815.673342	33,900		-109.216196	36.562449	11/8/2012	100020	1965.23	NMEA 0183	12	2	2
659615.140701	4047821.324501	33,900		-109.216341	36.562502	11/8/2012	100042	1964.27	NMEA 0183	12	2	2
659626.083001	4047632.916857	33,900		-109.216258	36.560802	11/8/2012	114209	1973.77	NMEA 0183	12	2	2
659629.463544	4047657.404192	33,900		-109.216215	36.561022	11/8/2012	114230	1972.08	NMEA 0183	12	2	2
659628.625602	4047635.411111	33,900		-109.216229	36.560824	11/8/2012	114353	1973.69	NMEA 0183	12	2	2
659584.044941	4047712.480333	34,000		-109.216711	36.561526	11/1/2012	161732	1963.57	NMEA 0183	12	2	2
659591.531870	4047711.063636	34,000		-109.216627	36.561512	11/1/2012	162111	1964.05	NMEA 0183	12	2	2
659595.150902	4047715.455240	34,000		-109.216586	36.561551	11/1/2012	162142	1964.93	NMEA 0183	12	2	2
659595.132438	4047714.761279	34,000		-109.216586	36.561545	11/1/2012	162143	1964.82	NMEA 0183	12	2	2
659593.333023	4047696.654981	34,000		-109.216610	36.561382	11/1/2012	162411	1963.77	NMEA 0183	12	2	2
659597.379847	4047694.554852	34,000		-109.216566	36.561362	11/1/2012	162457	1964.37	NMEA 0183	12	2	2
659611.609460	4047641.349125	34,000		-109.216418	36.560881	11/1/2012	162721	1971.49	NMEA 0183	12	2	2
659627.031045	4047697.235663	34,000		-109.216234	36.561382	11/2/2012	105156	1971.29	NMEA 0183	12	2	2
659626.628704	4047693.989462	34,000		-109.216239	36.561352	11/2/2012	105200	1971.21	NMEA 0183	12	2	2
659619.231423	4047674.967315	34,000		-109.216326	36.561182	11/2/2012	105454	1970.32	NMEA 0183	12	2	2
659614.604164	4047682.455795	34,000		-109.216376	36.561251	11/2/2012	105713	1968.79	NMEA 0183	12	2	2
659610.157634	4047652.207382	34,000		-109.216432	36.560979	11/2/2012	105808	1970.72	NMEA 0183	12	2	2
659599.821004	4047709.114329	34,000		-109.216535	36.561493	11/2/2012	110746	1965.75	NMEA 0183	12	2	2
659587.987096	4047641.362299	34,000		-109.216681	36.560885	11/2/2012	110856	1967.40	NMEA 0183	12	2	2
659644.676796	4047630.333810	34,000		-109.216051	36.560776	11/8/2012	092545	1971.67	NMEA 0183	12	2	2
659645.688741	4047630.158371	34,000		-109.216039	36.560774	11/8/2012	092546	1971.57	NMEA 0183	12	2	2
659648.279659	4047657.070754	34,000		-109.216005	36.561016	11/8/2012	092938	1970.85	NMEA 0183	12	2	2
659652.670577	4047657.738561	34,000		-109.215956	36.561021	11/8/2012	092954	1970.53	NMEA 0183	12	2	2
659650.576360	4047658.341534	34,000		-109.215979	36.561027	11/8/2012	092956	1970.80	NMEA 0183	12	2	2
659655.130068	4047666.882622	34,000		-109.215926	36.561103	11/8/2012	093203	1969.62	NMEA 0183	12	2	2
659647.826719	4047669.419861	34,000		-109.216007	36.561128	11/8/2012	093212	1970.71	NMEA 0183	12	2	2
659659.169521	4047669.443502	34,000		-109.215881	36.561126	11/8/2012	093229	1969.65	NMEA 0183	12	2	2
659662.170660	4047667.248164	34,000		-109.215848	36.561106	11/8/2012	093232	1969.49	NMEA 0183	12	2	2
659649.108041	4047677.726366	34,000		-109.215991	36.561202	11/8/2012	093320	1969.99	NMEA 0183	12	2	2
659654.294350	4047683.375242	34,000		-109.215932	36.561252	11/8/2012	093431	1969.90	NMEA 0183	12	2	2
659667.679574	4047690.169518	34,000		-109.215781	36.561311	11/8/2012	093735	1967.57	NMEA 0183	12	2	2
659656.195053	4047692.638412	34,000		-109.215909	36.561335	11/8/2012	093746	1968.77	NMEA 0183	12	2	2
659671.002295	4047695.892954	34,000		-109.215743	36.561362	11/8/2012	093838	1967.98	NMEA 0183	12	2	2
659678.711071	4047699.489301	34,000		-109.215656	36.561393	11/8/2012	093925	1966.81	NMEA 0183	12	2	2
659650.301441	4047703.397604	34,000		-109.215973	36.561433	11/8/2012	093950	1969.80	NMEA 0183	12	2	2
659683.284751	4047718.851233	34,000		-109.215601	36.561567	11/8/2012	094426	1965.77	NMEA 0183	12	2	2
659698.413931	4047742.543039	34,000		-109.215427	36.561778	11/8/2012	095001	1963.28	NMEA 0183	12	2	2
659697.202590	4047746.950470	34,000		-109.215440	36.561818	11/8/2012	095114	1963.01	NMEA 0183	12	2	2
659688.441986	4047752.194409	34,000		-109.215536	36.561867	11/8/2012	095136	1963.78	NMEA 0183	12	2	2
659680.418507	4047754.623921	34,000		-109.215626	36.561890	11/8/2012	095204	1964.90	NMEA 0183	12	2	2
659671.647905	4047758.719058	34,000		-109.215723	36.561928	11/8/2012	095235	1965.26	NMEA 0183	12	2	2
659672.576324	4047791.186553	34,000		-109.215706	36.562221	11/8/2012	095707	1964.12	NMEA 0183	12	2	2
659638.793115	4047800.444232	34,000		-109.216081	36.562310	11/8/2012	095755	1967.93	NMEA 0183	12	2	2
659627.917382	4047811.527174	34,000		-109.216200	36.562411	11/8/2012	095958	1966.43	NMEA 0183	12	2	2
659624.217001	4047825.760019	34,000		-109.216239	36.562540	11/8/2012	100120	1963.28	NMEA 0183	12	2	2
659630.715217	4047653.234256	34,000		-109.216202	36.560985	11/8/2012	114339	1972.55	NMEA 0183	12	2	2
659631.850179	4047641.521134	34,000		-109.216192	36.560879	11/8/2012	114407	1973.03	NMEA 0183	12	2	2
659621.780229	4047700.774666	34,000		-109.216292	36.561414	11/2/2012	105426	1970.69	NMEA 0183	12	2	2
659621.696034	4047699.924115	34,000		-109.216293	36.561407	11/2/2012	105427	1970.59	NMEA 0183	12	2	2
659609.121831	4047674.021430	34,000		-109.216439	36.561175	11/2/2012	110047	1968.32	NMEA 0183	12	2	2
659604.938683	4047668.346799	34,000		-109.216487	36.561125	11/2/2012	110214	1967.92	NMEA 0183	12	2	2
659599.191427	4047650.542754	34,000		-109.216554	36.560966	11/2/2012	110341	1968.79	NMEA 0183	12	2	2
659598.107743	4047687.328825	34,000		-109.216559	36.561297	11/2/2012	110722	1965.56	NMEA 0183	12	2	2
659559.880155	4047608.903179	34,000		-109.217002	36.560597	11/2/2012	111419	1965.96	NMEA 0183	12	2	2
659628.058140	4047648.546043	34,000		-109.216232	36.560943	11/8/2012	114223	1972.45	NMEA 0183	12	2	2
659574.405864	4047729.532901	34,000		-109.216815	36.561681	10/27/2012	114634	1963.42	NMEA 0183	12	2	2
659573.154880	4047724.012544	34,000		-109.216830	36.561632	10/27/2012	114638	1963.44	NMEA 0183	12	2	2
659555.019371	4047642.667167	34,000		-109.217049	36.560902	10/27/2012	114741	1964.29	NMEA 0183	12	2	2
659566.403066	4047676.454934	34,000		-109.216915	36.561205	10/27/2012	115000	1963.55	NMEA 0183	12	2	2
659567.147972	4047698.242815	34,100		-109.216902	36.561401	10/27/2012	114658	1963.16	NMEA 0183	12	2	2
659581.355577	4047706.877809	34,100		-109.216742	36.561476	10/27/2012	115801	1963.94	NMEA 0183	12	2	2
659607.067262	4047831.197991	34,100		-109.216429	36.562592	10/27/2012	120436	1962.39	NMEA 0183	12	2	2
659578.028813	4047686.967527	34,100		-109.216783	36.561297	11/1/2012	161706	1963.09	NMEA 0183	12	2	2
659580.738277	4047697.601468	34,100		-109.216751	36.561393	11/1/2012	161717	1962.85	NMEA 0183	12	2	2
659590.772525	4047707.113499	34,100		-109.216637	36.561477	11/1/2012	162107	1963.79	NMEA 0183	12	2	2
659624.689333	4047633.560577	34,100		-109.216273	36.560808	11/2/2012	104648	1975.03	NMEA 0183	12	2	2
659632.033854	4047697.413556	34,100		-109.216178	36.561382	11/2/2012	104900	1971.64	NMEA 0183	12	2	2
659631.111136	4047700.742455	34,100		-109.216188	36.561413	11/2/2012	104913	1971.64	NMEA 0183	12	2	2
659616.958921	4047661.130474	34,100		-109.216354	36.561058	11/2/2012	105508	1970.90	NMEA 0183	12	2	2
659613.594431	4047640.039400	34,100		-109.216396	36.560868	11/2/2012	105530	1972.89	NMEA 0183	12	2	2
659612.910611	4047648.910582	34,100		-109.216402	36.560949	11/2/2012	105557	1971.51	NMEA 0183	12	2	2
659610.160515	4047652.212984	34,100		-109.216432	36.560979	11/2/2012	105801	1970.69	NMEA 0183	12	2	2
659611.005885	4047699.790551	34,100		-109.216412	36.561407	11/2/2012	110020	1967.74	NMEA 0183	12	2	2
659601.375388	4047688.140391	34,100		-109.216522	36.561304	11/2/201						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659601.148427	4047686.057175	34,100		-109.216525	36.561285	11/2/2012	110535	1966.34	NMEA 0183	12	2	2
659590.596708	4047643.944717	34,100		-109.216652	36.560908	11/2/2012	110638	1967.59	NMEA 0183	12	2	2
659590.999188	4047645.816628	34,100		-109.216647	36.560924	11/2/2012	110640	1967.47	NMEA 0183	12	2	2
659559.045856	4047590.968313	34,100		-109.217015	36.560435	11/2/2012	111106	1967.24	NMEA 0183	12	2	2
659568.879593	4047614.761429	34,100		-109.216900	36.560648	11/2/2012	111140	1966.45	NMEA 0183	12	2	2
659551.827071	4047593.288944	34,100		-109.217095	36.560458	11/2/2012	111358	1966.17	NMEA 0183	12	2	2
659602.331920	4047639.466115	34,100		-109.216522	36.560865	11/2/2012	111546	1970.74	NMEA 0183	12	2	2
659631.664834	4047631.403812	34,100		-109.216196	36.560788	11/8/2012	092438	1973.35	NMEA 0183	12	2	2
659636.085265	4047633.296625	34,100		-109.216146	36.560804	11/8/2012	092601	1972.67	NMEA 0183	12	2	2
659646.519107	4047646.606065	34,100		-109.216027	36.560922	11/8/2012	092814	1970.94	NMEA 0183	12	2	2
659648.561493	4047648.475112	34,100		-109.216003	36.560939	11/8/2012	092827	1970.88	NMEA 0183	12	2	2
659660.291028	4047666.660242	34,100		-109.215869	36.561101	11/8/2012	093158	1969.01	NMEA 0183	12	2	2
659659.702700	4047721.447058	34,100		-109.215864	36.561594	11/8/2012	094344	1966.77	NMEA 0183	12	2	2
659669.794546	4047720.371009	34,100		-109.215751	36.561583	11/8/2012	094403	1966.29	NMEA 0183	12	2	2
659689.043104	4047728.487497	34,100		-109.215535	36.561653	11/8/2012	094623	1964.95	NMEA 0183	12	2	2
659697.635338	4047734.728612	34,100		-109.215437	36.561708	11/8/2012	094841	1964.07	NMEA 0183	12	2	2
659671.946147	4047742.164672	34,100		-109.215723	36.561779	11/8/2012	094909	1965.62	NMEA 0183	12	2	2
659683.643055	4047753.816276	34,100		-109.215590	36.561882	11/8/2012	095201	1964.61	NMEA 0183	12	2	2
659660.473120	4047765.166738	34,100		-109.215846	36.561988	11/8/2012	095309	1966.50	NMEA 0183	12	2	2
659622.990458	4047813.294669	34,100		-109.216255	36.562428	11/8/2012	100003	1966.18	NMEA 0183	12	2	2
659625.075089	4047817.147321	34,100		-109.216231	36.562462	11/8/2012	100017	1965.06	NMEA 0183	12	2	2
659623.095027	4047825.835387	34,100		-109.216251	36.562541	11/8/2012	100121	1963.13	NMEA 0183	12	2	2
659633.696605	4047655.803240	34,100		-109.216168	36.561007	11/8/2012	114418	1972.78	NMEA 0183	12	2	2
659578.501032	4047644.930062	34,100		-109.216787	36.560918	11/1/2012	162259	1964.50	NMEA 0183	12	2	2
659591.794989	4047689.314791	34,100		-109.216629	36.561316	11/1/2012	162403	1964.10	NMEA 0183	12	2	2
659594.236210	4047672.415432	34,100		-109.216605	36.561163	11/1/2012	162530	1965.22	NMEA 0183	12	2	2
659610.879904	4047674.888233	34,100		-109.216419	36.561183	11/2/2012	105940	1968.49	NMEA 0183	12	2	2
659574.081381	4047712.271506	34,100		-109.216822	36.561526	10/27/2012	115028	1963.79	NMEA 0183	12	2	2
659581.159265	4047726.071678	34,100		-109.216740	36.561649	10/27/2012	115441	1964.30	NMEA 0183	12	2	2
659594.267157	4047672.436352	34,100		-109.216605	36.561164	11/1/2012	162531	1965.21	NMEA 0183	12	2	2
659531.910414	4047578.851250	34,200		-109.217321	36.560331	10/27/2012	113547	1965.41	NMEA 0183	12	2	2
659545.958527	4047594.652452	34,200		-109.217161	36.560471	10/27/2012	114842	1966.41	NMEA 0183	12	2	2
659571.352225	4047681.940289	34,200		-109.216859	36.561253	10/27/2012	115514	1963.41	NMEA 0183	12	2	2
659548.285305	4047593.256567	34,200		-109.217135	36.560458	10/27/2012	115623	1966.50	NMEA 0183	12	2	2
659579.003663	4047690.964201	34,200		-109.216772	36.561333	11/1/2012	161710	1963.03	NMEA 0183	12	2	2
659586.452335	4047706.656045	34,200		-109.216685	36.561473	11/1/2012	161820	1963.56	NMEA 0183	12	2	2
659583.381036	4047695.016580	34,200		-109.216722	36.561369	11/1/2012	161832	1963.47	NMEA 0183	12	2	2
659594.456023	4047711.730106	34,200		-109.216595	36.561518	11/1/2012	162147	1964.53	NMEA 0183	12	2	2
659579.574611	4047647.465494	34,200		-109.216774	36.560941	11/1/2012	162309	1964.46	NMEA 0183	12	2	2
659627.640403	4047690.850878	34,200		-109.216228	36.561324	11/2/2012	105130	1971.36	NMEA 0183	12	2	2
659620.304559	4047646.476725	34,200		-109.216319	36.560925	11/2/2012	105247	1972.79	NMEA 0183	12	2	2
659619.822507	4047642.620512	34,200		-109.216326	36.560891	11/2/2012	105251	1973.23	NMEA 0183	12	2	2
659621.949964	4047685.431272	34,200		-109.216293	36.561276	11/2/2012	105400	1970.36	NMEA 0183	12	2	2
659620.991201	4047693.679571	34,200		-109.216302	36.561351	11/2/2012	105434	1970.13	NMEA 0183	12	2	2
659614.350117	4047680.545943	34,200		-109.216379	36.561233	11/2/2012	105715	1968.80	NMEA 0183	12	2	2
659610.163669	4047652.203794	34,200		-109.216432	36.560979	11/2/2012	105807	1970.71	NMEA 0183	12	2	2
659609.037121	4047645.204171	34,200		-109.216446	36.560916	11/2/2012	105833	1971.21	NMEA 0183	12	2	2
659599.030077	4047662.862124	34,200		-109.216554	36.561077	11/2/2012	110439	1967.33	NMEA 0183	12	2	2
659577.313348	4047620.949533	34,200		-109.216805	36.560703	11/2/2012	111022	1967.07	NMEA 0183	12	2	2
659631.648769	4047631.385018	34,200		-109.216196	36.560788	11/8/2012	092431	1973.38	NMEA 0183	12	2	2
659631.656724	4047631.438805	34,200		-109.216196	36.560788	11/8/2012	092434	1973.36	NMEA 0183	12	2	2
659636.382336	4047631.278620	34,200		-109.216143	36.560786	11/8/2012	092532	1972.53	NMEA 0183	12	2	2
659640.282645	4047645.683914	34,200		-109.216096	36.560915	11/8/2012	092751	1971.27	NMEA 0183	12	2	2
659652.667920	4047645.898903	34,200		-109.215958	36.560915	11/8/2012	092821	1970.41	NMEA 0183	12	2	2
659646.856882	4047648.989132	34,200		-109.216022	36.560944	11/8/2012	092829	1971.27	NMEA 0183	12	2	2
659646.054470	4047649.211000	34,200		-109.216031	36.560946	11/8/2012	092830	1971.34	NMEA 0183	12	2	2
659653.782014	4047657.428095	34,200		-109.215943	36.561018	11/8/2012	092953	1970.47	NMEA 0183	12	2	2
659651.787412	4047661.830247	34,200		-109.215965	36.561058	11/8/2012	093027	1970.26	NMEA 0183	12	2	2
659659.203336	4047659.981320	34,200		-109.215882	36.561041	11/8/2012	093034	1969.83	NMEA 0183	12	2	2
659661.123908	4047668.012993	34,200		-109.215859	36.561113	11/8/2012	093231	1969.45	NMEA 0183	12	2	2
659664.280977	4047666.340301	34,200		-109.215824	36.561097	11/8/2012	093235	1969.43	NMEA 0183	12	2	2
659665.666094	4047671.705942	34,200		-109.215808	36.561145	11/8/2012	093242	1969.00	NMEA 0183	12	2	2
659655.438307	4047673.913312	34,200		-109.215921	36.561167	11/8/2012	093251	1969.99	NMEA 0183	12	2	2
659661.310375	4047678.711129	34,200		-109.215855	36.561209	11/8/2012	093351	1969.28	NMEA 0183	12	2	2
659656.207544	4047693.493182	34,200		-109.215909	36.561343	11/8/2012	093747	1968.84	NMEA 0183	12	2	2
659656.578423	4047724.087727	34,200		-109.215898	36.561619	11/8/2012	094349	1967.57	NMEA 0183	12	2	2
659683.180960	4047730.474359	34,200		-109.215600	36.561672	11/8/2012	094630	1965.50	NMEA 0183	12	2	2
659659.208839	4047743.237871	34,200		-109.215865	36.561791	11/8/2012	094803	1967.43	NMEA 0183	12	2	2
659697.867253	4047740.884854	34,200		-109.215434	36.561763	11/8/2012	094959	1963.49	NMEA 0183	12	2	2
659679.387476	4047760.170385	34,200		-109.215636	36.561940	11/8/2012	095249	1964.28	NMEA 0183	12	2	2
659680.168911	4047770.646510	34,200		-109.215625	36.562034	11/8/2012	095419	1965.07	NMEA 0183	12	2	2
659668.729461	4047785.085307	34,200		-109.215750	36.562166	11/8/2012	095543	1965.62	NMEA 0183	12	2	2
659669.381563	4047791.193856	34,200		-109.215741	36.562221	11/8/2012	095711	1964.25	NMEA 0183	12	2	2
659613.205289	4047821.734364	34,200		-109.216362	36.562506	11/8/2012	100044	1964.18	NMEA 0183	12	2	2
659624.235265	4047822.523471	34,200		-109.216239	36.562511	11/8/2012	100107	1963.87	NMEA 0183	12	2	2
659547.354285	4047598.000300	34,200		-109.217144	36.560501	10/27/2012	114855	1966.20	NMEA 0183	12	2	2
659568.338809	4047688.178762	34,200		-109.216891	36.561310	10/27/2012	115010	1963.53	NMEA 0183	12	2	2
659578.852620	4047734.670460	34,200		-109.216764	36.561727	10/27/2012	115045	1964.26	NMEA 0183	12	2	2
659579.746089	4047701.700386	34,200		-109.216761	36.561430	10/27/2012	115757	1963.42	NMEA 0183	12	2	2
659567.815221	4047643.191140	34,200		-109.216906	36.560905	11/1/						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659575.696156	4047675.003278	34,200		-109.216812	36.561190	11/1/2012	161653	1963.42	NMEA 0183	12	2	2
659575.942257	4047675.893824	34,200		-109.216809	36.561198	11/1/2012	161654	1963.37	NMEA 0183	12	2	2
659594.073619	4047719.073520	34,200		-109.216597	36.561584	11/1/2012	162125	1965.08	NMEA 0183	12	2	2
659598.092748	4047703.583266	34,200		-109.216556	36.561444	11/1/2012	162447	1964.46	NMEA 0183	12	2	2
659624.580393	4047633.480871	34,200		-109.216274	36.560808	11/2/2012	104639	1975.02	NMEA 0183	12	2	2
659627.393984	4047700.836265	34,200		-109.216229	36.561414	11/2/2012	105152	1971.38	NMEA 0183	12	2	2
659612.915508	4047650.577207	34,200		-109.216401	36.560964	11/2/2012	105559	1971.34	NMEA 0183	12	2	2
659614.189935	4047679.608899	34,200		-109.216381	36.561225	11/2/2012	105716	1968.85	NMEA 0183	12	2	2
659612.263490	4047664.169284	34,200		-109.216406	36.561086	11/2/2012	105732	1969.72	NMEA 0183	12	2	2
659608.816275	4047659.201920	34,200		-109.216445	36.561042	11/2/2012	105923	1969.53	NMEA 0183	12	2	2
659612.507678	4047698.545849	34,200		-109.216396	36.561396	11/2/2012	110005	1968.13	NMEA 0183	12	2	2
659604.962851	4047654.735678	34,200		-109.216489	36.561002	11/2/2012	110111	1969.32	NMEA 0183	12	2	2
659596.516048	4047641.772036	34,200		-109.216586	36.560887	11/2/2012	110352	1969.15	NMEA 0183	12	2	2
659600.600589	4047680.840251	34,200		-109.216532	36.561238	11/2/2012	110540	1966.26	NMEA 0183	12	2	2
659591.541175	4047649.418699	34,200		-109.216640	36.560957	11/2/2012	110644	1967.33	NMEA 0183	12	2	2
659598.126582	4047695.001520	34,200		-109.216557	36.561366	11/2/2012	110802	1965.41	NMEA 0183	12	2	2
659586.995236	4047652.362263	34,200		-109.216690	36.560984	11/2/2012	110942	1966.59	NMEA 0183	12	2	2
659565.192030	4047603.199330	34,200		-109.216944	36.560545	11/2/2012	111049	1966.75	NMEA 0183	12	2	2
659563.588241	4047600.448757	34,200		-109.216962	36.560520	11/2/2012	111053	1966.98	NMEA 0183	12	2	2
659582.455892	4047641.433584	34,200		-109.216743	36.560886	11/2/2012	111219	1966.37	NMEA 0183	12	2	2
659566.583588	4047612.969084	34,200		-109.216926	36.560632	11/2/2012	111325	1966.21	NMEA 0183	12	2	2
659572.214712	4047629.557578	34,200		-109.216860	36.560781	11/2/2012	111451	1965.86	NMEA 0183	12	2	2
659632.394231	4047801.768242	34,200		-109.216152	36.562323	11/8/2012	095801	1968.05	NMEA 0183	12	2	2
659628.290038	4047649.880243	34,200		-109.216230	36.560955	11/8/2012	114224	1972.46	NMEA 0183	12	2	2
659532.968621	4047578.756191	34,300		-109.217309	36.560330	10/27/2012	113549	1965.71	NMEA 0183	12	2	2
659534.220871	4047580.347909	34,300		-109.217295	36.560344	10/27/2012	113552	1965.72	NMEA 0183	12	2	2
659540.433701	4047586.330180	34,300		-109.217224	36.560397	10/27/2012	114833	1966.71	NMEA 0183	12	2	2
659543.454841	4047591.345101	34,300		-109.217189	36.560441	10/27/2012	114838	1966.65	NMEA 0183	12	2	2
659569.966497	4047694.869533	34,300		-109.216872	36.561370	10/27/2012	115015	1963.43	NMEA 0183	12	2	2
659570.373899	4047696.234731	34,300		-109.216867	36.561382	10/27/2012	115016	1963.36	NMEA 0183	12	2	2
659557.254729	4047611.357071	34,300		-109.217031	36.560619	10/27/2012	115644	1965.93	NMEA 0183	12	2	2
659557.064572	4047611.714227	34,300		-109.217033	36.560623	11/1/2012	161534	1964.71	NMEA 0183	12	2	2
659593.428122	4047706.491330	34,300		-109.216607	36.561471	11/1/2012	162153	1964.11	NMEA 0183	12	2	2
659593.594843	4047697.582812	34,300		-109.216607	36.561390	11/1/2012	162412	1963.79	NMEA 0183	12	2	2
659594.452976	4047702.642722	34,300		-109.216597	36.561436	11/1/2012	162417	1963.95	NMEA 0183	12	2	2
659597.101413	4047693.637810	34,300		-109.216569	36.561354	11/1/2012	162458	1964.44	NMEA 0183	12	2	2
659624.657049	4047633.611768	34,300		-109.216274	36.560809	11/2/2012	104653	1975.03	NMEA 0183	12	2	2
659625.015436	4047636.492772	34,300		-109.216269	36.560835	11/2/2012	104747	1974.61	NMEA 0183	12	2	2
659632.232725	4047688.945850	34,300		-109.216177	36.561306	11/2/2012	104850	1971.71	NMEA 0183	12	2	2
659623.601275	4047641.458742	34,300		-109.216284	36.560880	11/2/2012	105019	1973.72	NMEA 0183	12	2	2
659619.305127	4047658.284844	34,300		-109.216328	36.561032	11/2/2012	105332	1971.63	NMEA 0183	12	2	2
659610.733321	4047637.742704	34,300		-109.216428	36.560848	11/2/2012	105544	1972.62	NMEA 0183	12	2	2
659612.973513	4047649.782933	34,300		-109.216401	36.560956	11/2/2012	105558	1971.49	NMEA 0183	12	2	2
659615.044579	4047665.389850	34,300		-109.216374	36.561097	11/2/2012	105615	1970.05	NMEA 0183	12	2	2
659615.633825	4047672.396154	34,300		-109.216366	36.561160	11/2/2012	105622	1969.65	NMEA 0183	12	2	2
659614.503647	4047681.519857	34,300		-109.216377	36.561242	11/2/2012	105714	1968.85	NMEA 0183	12	2	2
659613.369472	4047671.875092	34,300		-109.216392	36.561155	11/2/2012	105724	1969.13	NMEA 0183	12	2	2
659568.487138	4047613.877417	34,300		-109.216905	36.560640	11/2/2012	111139	1966.54	NMEA 0183	12	2	2
659631.620993	4047631.434443	34,300		-109.216196	36.560788	11/8/2012	092433	1973.37	NMEA 0183	12	2	2
659646.125660	4047644.408780	34,300		-109.216031	36.560902	11/8/2012	092745	1971.03	NMEA 0183	12	2	2
659643.850575	4047649.693562	34,300		-109.216056	36.560950	11/8/2012	092832	1971.48	NMEA 0183	12	2	2
659657.961559	4047655.173235	34,300		-109.215897	36.560997	11/8/2012	092948	1970.10	NMEA 0183	12	2	2
659644.739440	4047659.690763	34,300		-109.216044	36.561040	11/8/2012	093001	1971.08	NMEA 0183	12	2	2
659674.851642	4047680.795403	34,300		-109.215703	36.561225	11/8/2012	093540	1967.36	NMEA 0183	12	2	2
659660.710719	4047691.407099	34,300		-109.215859	36.561323	11/8/2012	093741	1968.08	NMEA 0183	12	2	2
659647.278582	4047698.963397	34,300		-109.216007	36.561394	11/8/2012	093957	1970.55	NMEA 0183	12	2	2
659672.168323	4047722.070495	34,300		-109.215724	36.561598	11/8/2012	094436	1966.13	NMEA 0183	12	2	2
659692.047249	4047733.687128	34,300		-109.215500	36.561699	11/8/2012	094729	1964.55	NMEA 0183	12	2	2
659663.210205	4047771.571076	34,300		-109.215814	36.562045	11/8/2012	095359	1966.20	NMEA 0183	12	2	2
659635.690627	4047801.108035	34,300		-109.216116	36.562316	11/8/2012	095758	1967.88	NMEA 0183	12	2	2
659624.000753	4047813.126597	34,300		-109.216244	36.562426	11/8/2012	100002	1966.05	NMEA 0183	12	2	2
659619.822016	4047820.168379	34,300		-109.216289	36.562491	11/8/2012	100038	1964.27	NMEA 0183	12	2	2
659635.351817	4047642.669990	34,300		-109.216152	36.560889	11/8/2012	092717	1972.22	NMEA 0183	12	2	2
659643.823596	4047659.914226	34,300		-109.216054	36.561043	11/8/2012	093002	1971.28	NMEA 0183	12	2	2
659657.135782	4047660.514500	34,300		-109.215905	36.561046	11/8/2012	093032	1969.92	NMEA 0183	12	2	2
659681.302467	4047769.143435	34,300		-109.215613	36.562021	11/8/2012	095417	1964.82	NMEA 0183	12	2	2
659674.504066	4047780.978962	34,300		-109.215686	36.562128	11/8/2012	095526	1963.98	NMEA 0183	12	2	2
659679.122349	4047793.351895	34,300		-109.215632	36.562239	11/8/2012	095700	1963.22	NMEA 0183	12	2	2
659533.960086	4047579.444145	34,300		-109.217298	36.560336	10/27/2012	113551	1965.81	NMEA 0183	12	2	2
659565.730019	4047692.874734	34,300		-109.216919	36.561353	10/27/2012	114702	1963.11	NMEA 0183	12	2	2
659656.470791	4047682.522244	34,300		-109.215908	36.561244	11/8/2012	093429	1969.77	NMEA 0183	12	2	2
659651.540850	4047698.441342	34,300		-109.215960	36.561388	11/8/2012	094007	1970.28	NMEA 0183	12	2	2
659671.940693	4047779.928883	34,300		-109.215715	36.562119	11/8/2012	095514	1964.31	NMEA 0183	12	2	2
659565.472978	4047691.447588	34,300		-109.216923	36.561340	10/27/2012	114703	1963.10	NMEA 0183	12	2	2
659547.367847	4047598.154073	34,300		-109.217144	36.560502	10/27/2012	114849	1966.19	NMEA 0183	12	2	2
659548.160954	4047594.249373	34,300		-109.217136	36.560467	10/27/2012	115622	1966.48	NMEA 0183	12	2	2
659557.591021	4047613.338732	34,300		-109.217027	36.560637	10/27/2012	115646	1965.75	NMEA 0183	12	2	2
659584.310709	4047723.412990	34,300		-109.216706	36.561625	10/27/2012	115815	1964.66	NMEA 0183	12	2	2
659577.246707	4047683.198234	34,300		-109.216793	36.561263	11/1/2012	161702	1963.10	NMEA 0183	12	2	2
659533.402416	4047579.100869	34,400		-109.217304	36.560333	1						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659575.435882	4047734.416581	34,400		-109.216802	36.561725	10/27/2012	114630	1963.66	NMEA 0183	12	2	2
659576.271817	4047699.640182	34,400		-109.216800	36.561412	10/27/2012	115501	1963.32	NMEA 0183	12	2	2
659552.916186	4047597.321026	34,400		-109.217082	36.560494	10/27/2012	115632	1966.61	NMEA 0183	12	2	2
659578.470482	4047697.668539	34,400		-109.216776	36.561394	10/27/2012	115754	1963.62	NMEA 0183	12	2	2
659557.374800	4047612.526426	34,400		-109.217029	36.560630	11/1/2012	161535	1964.66	NMEA 0183	12	2	2
659561.908675	4047624.718298	34,400		-109.216976	36.560739	11/1/2012	161550	1964.14	NMEA 0183	12	2	2
659580.989108	4047698.558689	34,400		-109.216748	36.561401	11/1/2012	161718	1962.78	NMEA 0183	12	2	2
659584.670354	4047714.963064	34,400		-109.216703	36.561548	11/1/2012	161735	1963.76	NMEA 0183	12	2	2
659592.986847	4047704.700084	34,400		-109.216613	36.561455	11/1/2012	162155	1963.91	NMEA 0183	12	2	2
659595.933517	4047710.427612	34,400		-109.216578	36.561506	11/1/2012	162425	1964.57	NMEA 0183	12	2	2
659629.611215	4047668.506679	34,400		-109.216211	36.561122	11/2/2012	104828	1972.18	NMEA 0183	12	2	2
659630.823748	4047688.002285	34,400		-109.216193	36.561298	11/2/2012	104929	1971.49	NMEA 0183	12	2	2
659627.781689	4047691.841212	34,400		-109.216227	36.561333	11/2/2012	105131	1971.48	NMEA 0183	12	2	2
659626.444571	4047693.137057	34,400		-109.216241	36.561345	11/2/2012	105201	1971.21	NMEA 0183	12	2	2
659619.974992	4047643.570361	34,400		-109.216324	36.560899	11/2/2012	105250	1973.05	NMEA 0183	12	2	2
659617.355146	4047646.205604	34,400		-109.216352	36.560923	11/2/2012	105320	1972.39	NMEA 0183	12	2	2
659612.442408	4047645.272885	34,400		-109.216408	36.560916	11/2/2012	105553	1972.01	NMEA 0183	12	2	2
659615.073643	4047687.231050	34,400		-109.216369	36.561293	11/2/2012	105708	1968.65	NMEA 0183	12	2	2
659604.579165	4047652.816024	34,400		-109.216494	36.560985	11/2/2012	110113	1969.39	NMEA 0183	12	2	2
659590.808021	4047644.860513	34,400		-109.216649	36.560916	11/2/2012	110639	1967.57	NMEA 0183	12	2	2
659585.440433	4047646.971295	34,400		-109.216709	36.560936	11/2/2012	110948	1966.50	NMEA 0183	12	2	2
659570.319583	4047611.458764	34,400		-109.216885	36.560618	11/2/2012	111038	1966.70	NMEA 0183	12	2	2
659551.949209	4047591.852182	34,400		-109.217094	36.560445	11/2/2012	111356	1966.29	NMEA 0183	12	2	2
659631.649506	4047631.425724	34,400		-109.216196	36.560788	11/8/2012	092437	1973.35	NMEA 0183	12	2	2
659654.177139	4047663.394998	34,400		-109.215938	36.561072	11/8/2012	093044	1969.87	NMEA 0183	12	2	2
659648.404009	4047671.922050	34,400		-109.216000	36.561150	11/8/2012	093217	1970.35	NMEA 0183	12	2	2
659665.811340	4047667.496984	34,400		-109.215807	36.561107	11/8/2012	093237	1969.23	NMEA 0183	12	2	2
659648.718918	4047687.520441	34,400		-109.215994	36.561290	11/8/2012	093517	1970.16	NMEA 0183	12	2	2
659655.587456	4047691.850286	34,400		-109.215916	36.561328	11/8/2012	093644	1968.96	NMEA 0183	12	2	2
659658.679930	4047692.050089	34,400		-109.215881	36.561330	11/8/2012	093743	1968.37	NMEA 0183	12	2	2
659679.003331	4047693.389029	34,400		-109.215654	36.561338	11/8/2012	093830	1967.02	NMEA 0183	12	2	2
659677.117645	4047706.475455	34,400		-109.215672	36.561457	11/8/2012	094107	1967.17	NMEA 0183	12	2	2
659655.635138	4047715.175257	34,400		-109.215911	36.561538	11/8/2012	094240	1967.66	NMEA 0183	12	2	2
659670.208893	4047736.638973	34,400		-109.215743	36.561729	11/8/2012	094706	1966.54	NMEA 0183	12	2	2
659698.428323	4047735.094763	34,400		-109.215428	36.561711	11/8/2012	094842	1964.13	NMEA 0183	12	2	2
659677.258355	4047782.837183	34,400		-109.215655	36.562145	11/8/2012	095552	1963.69	NMEA 0183	12	2	2
659678.333599	4047631.707316	34,400		-109.215643	36.562143	11/8/2012	095553	1963.56	NMEA 0183	12	2	2
659582.001702	4047709.209252	34,500		-109.216734	36.561497	10/27/2012	115803	1964.20	NMEA 0183	12	2	2
659589.863363	4047721.699618	34,500		-109.216644	36.561608	11/1/2012	161802	1964.70	NMEA 0183	12	2	2
659594.998061	4047705.675159	34,500		-109.216590	36.561463	11/1/2012	162420	1964.08	NMEA 0183	12	2	2
659598.695839	4047704.694993	34,500		-109.216549	36.561454	11/1/2012	162445	1964.59	NMEA 0183	12	2	2
659619.042809	4047636.228457	34,500		-109.216336	36.560833	11/2/2012	105258	1973.71	NMEA 0183	12	2	2
659610.149976	4047650.770062	34,500		-109.216432	36.560966	11/2/2012	105819	1970.80	NMEA 0183	12	2	2
659610.673534	4047702.262916	34,500		-109.216415	36.561430	11/2/2012	110017	1967.90	NMEA 0183	12	2	2
659609.684247	4047681.267691	34,500		-109.216431	36.561241	11/2/2012	110039	1967.76	NMEA 0183	12	2	2
659601.003074	4047685.044571	34,500		-109.216527	36.561276	11/2/2012	110536	1966.33	NMEA 0183	12	2	2
659585.139416	4047646.064933	34,500		-109.216712	36.560928	11/2/2012	110949	1966.50	NMEA 0183	12	2	2
659560.414606	4047594.726284	34,500		-109.216999	36.560469	11/2/2012	111101	1967.29	NMEA 0183	12	2	2
659567.497426	4047611.164126	34,500		-109.216917	36.560616	11/2/2012	111136	1966.79	NMEA 0183	12	2	2
659568.070422	4047612.933768	34,500		-109.216910	36.560632	11/2/2012	111138	1966.52	NMEA 0183	12	2	2
659552.524394	4047595.515903	34,500		-109.217087	36.560478	11/2/2012	111401	1966.08	NMEA 0183	12	2	2
659623.336703	4047635.853096	34,500		-109.216288	36.560829	11/2/2012	111612	1973.94	NMEA 0183	12	2	2
659623.272443	4047635.777918	34,500		-109.216289	36.560828	11/2/2012	111614	1973.92	NMEA 0183	12	2	2
659631.630595	4047631.399478	34,500		-109.216196	36.560788	11/8/2012	092432	1973.37	NMEA 0183	12	2	2
659631.731031	4047631.454981	34,500		-109.216195	36.560788	11/8/2012	092442	1973.35	NMEA 0183	12	2	2
659641.540936	4047632.953924	34,500		-109.216085	36.560800	11/8/2012	092556	1972.12	NMEA 0183	12	2	2
659639.372700	4047635.937875	34,500		-109.216109	36.560827	11/8/2012	092614	1972.05	NMEA 0183	12	2	2
659644.515735	4047634.671950	34,500		-109.216051	36.560815	11/8/2012	092619	1971.66	NMEA 0183	12	2	2
659639.784863	4047653.694760	34,500		-109.216100	36.560987	11/8/2012	092848	1971.49	NMEA 0183	12	2	2
659644.292607	4047652.489185	34,500		-109.216050	36.560976	11/8/2012	092852	1971.26	NMEA 0183	12	2	2
659649.451053	4047658.675788	34,500		-109.215991	36.561030	11/8/2012	092957	1970.85	NMEA 0183	12	2	2
659662.229373	4047662.958066	34,500		-109.215848	36.561067	11/8/2012	093151	1969.26	NMEA 0183	12	2	2
659662.350884	4047666.139869	34,500		-109.215846	36.561096	11/8/2012	093156	1968.94	NMEA 0183	12	2	2
659657.632685	4047681.985208	34,500		-109.215895	36.561239	11/8/2012	093428	1970.46	NMEA 0183	12	2	2
659647.148632	4047697.925182	34,500		-109.216009	36.561384	11/8/2012	093958	1970.60	NMEA 0183	12	2	2
659651.860276	4047706.397065	34,500		-109.215955	36.561460	11/8/2012	094021	1969.44	NMEA 0183	12	2	2
659666.856122	4047713.156487	34,500		-109.215786	36.561518	11/8/2012	094229	1967.46	NMEA 0183	12	2	2
659685.487872	4047727.816682	34,500		-109.215575	36.561647	11/8/2012	094619	1964.95	NMEA 0183	12	2	2
659681.767324	4047738.144521	34,500		-109.215614	36.561741	11/8/2012	094825	1964.96	NMEA 0183	12	2	2
659677.455344	4047760.080890	34,500		-109.215658	36.561939	11/8/2012	095251	1964.52	NMEA 0183	12	2	2
659678.620283	4047785.028398	34,500		-109.215639	36.562164	11/8/2012	095558	1963.76	NMEA 0183	12	2	2
659626.113538	4047816.587646	34,500		-109.216219	36.562457	11/8/2012	100018	1965.12	NMEA 0183	12	2	2
659626.023410	4047635.083541	34,500		-109.216258	36.560822	11/8/2012	114212	1973.46	NMEA 0183	12	2	2
659539.739877	4047585.041059	34,600		-109.217232	36.560385	10/27/2012	114830	1966.78	NMEA 0183	12	2	2
659578.349057	4047731.973581	34,600		-109.216770	36.561703	10/27/2012	115043	1964.21	NMEA 0183	12	2	2
659549.721457	4047592.252942	34,600		-109.217119	36.560449	10/27/2012	115625	1966.79	NMEA 0183	12	2	2
659586.250737	4047722.433514	34,600		-109.216684	36.561616	11/1/2012	161743	1964.06	NMEA 0183	12	2	2
659587.037279	4047690.724767	34,600		-109.216682	36.561330	11/1/2012	162052	1963.78	NMEA 0183	12	2	2
659595.393289	4047718.798353	34,600		-109.216583	36.561581	11/1/2012	162136	1965.18	NMEA 0183	12	2	2
659578.778647	4047645.247801	34,600		-109.216784	36.560921	11/1/20						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659625.573389	4047640.198722	34,600		-109.216262	36.560868	11/2/2012	104757	1973.98	NMEA 0183	12	2	2
659615.918586	4047654.149096	34,600		-109.216367	36.560995	11/2/2012	105515	1971.47	NMEA 0183	12	2	2
659615.549151	4047652.185314	34,600		-109.216371	36.560978	11/2/2012	105517	1971.51	NMEA 0183	12	2	2
659613.058333	4047653.093529	34,600		-109.216399	36.560986	11/2/2012	105602	1971.01	NMEA 0183	12	2	2
659614.693876	4047684.296010	34,600		-109.216374	36.561267	11/2/2012	105711	1968.73	NMEA 0183	12	2	2
659611.981907	4047662.134995	34,600		-109.216409	36.561068	11/2/2012	105734	1969.91	NMEA 0183	12	2	2
659605.804886	4047648.677048	34,600		-109.216481	36.560948	11/2/2012	105906	1970.24	NMEA 0183	12	2	2
659608.872607	4047660.991576	34,600		-109.216444	36.561058	11/2/2012	105925	1969.41	NMEA 0183	12	2	2
659602.314199	4047642.754462	34,600		-109.216521	36.560895	11/2/2012	110124	1970.44	NMEA 0183	12	2	2
659601.859102	4047665.359833	34,600		-109.216522	36.561099	11/2/2012	110325	1967.51	NMEA 0183	12	2	2
659603.219942	4047682.655251	34,600		-109.216503	36.561254	11/2/2012	110458	1966.51	NMEA 0183	12	2	2
659611.079136	4047638.405744	34,600		-109.216424	36.560854	11/2/2012	111557	1972.34	NMEA 0183	12	2	2
659635.194392	4047644.962485	34,600		-109.216153	36.560909	11/8/2012	092723	1972.11	NMEA 0183	12	2	2
659652.276890	4047686.757812	34,600		-109.215954	36.561283	11/8/2012	093520	1969.82	NMEA 0183	12	2	2
659680.679991	4047678.782011	34,600		-109.215638	36.561206	11/8/2012	093546	1966.47	NMEA 0183	12	2	2
659650.720560	4047698.581493	34,600		-109.215969	36.561390	11/8/2012	094006	1970.35	NMEA 0183	12	2	2
659659.556920	4047726.086975	34,600		-109.215865	36.561636	11/8/2012	094353	1967.52	NMEA 0183	12	2	2
659687.188658	4047721.317130	34,600		-109.215557	36.561589	11/8/2012	094524	1965.04	NMEA 0183	12	2	2
659687.497275	4047722.134854	34,600		-109.215553	36.561596	11/8/2012	094525	1964.89	NMEA 0183	12	2	2
659673.828741	4047791.158004	34,600		-109.215692	36.562220	11/8/2012	095632	1964.01	NMEA 0183	12	2	2
659621.802610	4047829.468169	34,600		-109.216265	36.562574	11/8/2012	100157	1962.99	NMEA 0183	12	2	2
659625.985370	4047633.997091	34,600		-109.216259	36.560812	11/8/2012	114211	1973.56	NMEA 0183	12	2	2
659571.951007	4047704.204521	34,700		-109.216848	36.561454	10/27/2012	115022	1963.50	NMEA 0183	12	2	2
659580.272201	4047703.101079	34,700		-109.216755	36.561442	10/27/2012	115758	1963.47	NMEA 0183	12	2	2
659557.679355	4047614.207855	34,700		-109.217026	36.560645	11/1/2012	161537	1964.59	NMEA 0183	12	2	2
659577.755589	4047685.125758	34,700		-109.216787	36.561281	11/1/2012	161704	1963.11	NMEA 0183	12	2	2
659578.823280	4047689.989790	34,700		-109.216774	36.561324	11/1/2012	161709	1963.05	NMEA 0183	12	2	2
659587.492063	4047726.141038	34,700		-109.216669	36.561649	11/1/2012	161747	1964.09	NMEA 0183	12	2	2
659595.159891	4047706.684370	34,700		-109.216588	36.561472	11/1/2012	162421	1964.19	NMEA 0183	12	2	2
659595.583317	4047708.552970	34,700		-109.216583	36.561489	11/1/2012	162423	1964.42	NMEA 0183	12	2	2
659621.380354	4047642.296127	34,700		-109.216308	36.560888	11/2/2012	105041	1973.61	NMEA 0183	12	2	2
659622.145033	4047648.049774	34,700		-109.216299	36.560939	11/2/2012	105047	1973.15	NMEA 0183	12	2	2
659626.851113	4047696.398133	34,700		-109.216236	36.561374	11/2/2012	105157	1971.37	NMEA 0183	12	2	2
659617.269175	4047662.101746	34,700		-109.216350	36.561067	11/2/2012	105507	1970.85	NMEA 0183	12	2	2
659613.870144	4047675.692808	34,700		-109.216385	36.561190	11/2/2012	105720	1968.93	NMEA 0183	12	2	2
659610.139632	4047652.212597	34,700		-109.216432	36.560979	11/2/2012	105753	1970.67	NMEA 0183	12	2	2
659604.616579	4047635.272794	34,700		-109.216497	36.560827	11/2/2012	105848	1971.45	NMEA 0183	12	2	2
659607.186956	4047678.101010	34,700		-109.216459	36.561213	11/2/2012	110224	1967.47	NMEA 0183	12	2	2
659607.577050	4047698.498782	34,700		-109.216451	36.561396	11/2/2012	110253	1966.89	NMEA 0183	12	2	2
659606.162433	4047687.642845	34,700		-109.216469	36.561299	11/2/2012	110303	1966.93	NMEA 0183	12	2	2
659594.568085	4047648.729430	34,700		-109.216606	36.560950	11/2/2012	110615	1968.21	NMEA 0183	12	2	2
659593.109163	4047642.674365	34,700		-109.216624	36.560896	11/2/2012	110622	1968.47	NMEA 0183	12	2	2
659576.901966	4047620.281579	34,700		-109.216810	36.560697	11/2/2012	111023	1967.12	NMEA 0183	12	2	2
659593.415393	4047642.655999	34,700		-109.216621	36.560895	11/2/2012	111531	1968.35	NMEA 0183	12	2	2
659638.322627	4047638.248953	34,700		-109.216120	36.560848	11/8/2012	092637	1972.24	NMEA 0183	12	2	2
659645.941740	4047638.397706	34,700		-109.216035	36.560848	11/8/2012	092657	1971.42	NMEA 0183	12	2	2
659651.819107	4047650.712590	34,700		-109.215967	36.560958	11/8/2012	092859	1970.60	NMEA 0183	12	2	2
659649.704136	4047666.347282	34,700		-109.215987	36.561100	11/8/2012	093139	1970.19	NMEA 0183	12	2	2
659657.698605	4047673.285678	34,700		-109.215896	36.561161	11/8/2012	093249	1969.75	NMEA 0183	12	2	2
659671.502761	4047675.918620	34,700		-109.215741	36.561182	11/8/2012	093401	1967.86	NMEA 0183	12	2	2
659647.694084	4047701.982336	34,700		-109.216002	36.561421	11/8/2012	093954	1970.15	NMEA 0183	12	2	2
659668.686354	4047720.909039	34,700		-109.215764	36.561588	11/8/2012	094402	1966.36	NMEA 0183	12	2	2
659680.071654	4047722.820144	34,700		-109.215636	36.561603	11/8/2012	094517	1965.07	NMEA 0183	12	2	2
659683.153899	4047750.666491	34,700		-109.215596	36.561854	11/8/2012	095102	1964.40	NMEA 0183	12	2	2
659672.632111	4047791.396599	34,700		-109.215705	36.562222	11/8/2012	095633	1964.01	NMEA 0183	12	2	2
659671.563204	4047793.516809	34,700		-109.215716	36.562242	11/8/2012	095649	1964.37	NMEA 0183	12	2	2
659629.757033	4047810.166667	34,700		-109.216180	36.562399	11/8/2012	095923	1966.42	NMEA 0183	12	2	2
659584.257606	4047647.108428	34,700		-109.216722	36.560937	11/2/2012	111225	1966.50	NMEA 0183	12	2	2
659579.197487	4047639.318195	34,700		-109.216780	36.560868	11/2/2012	111251	1966.09	NMEA 0183	12	2	2
659573.386241	4047626.248086	34,700		-109.216848	36.560751	11/2/2012	111308	1966.41	NMEA 0183	12	2	2
659563.953138	4047615.774314	34,700		-109.216955	36.560658	11/2/2012	111429	1966.22	NMEA 0183	12	2	2
659645.784626	4047640.029881	34,700		-109.216036	36.560863	11/8/2012	092707	1971.48	NMEA 0183	12	2	2
659643.215833	4047799.072464	34,700		-109.216032	36.562297	11/8/2012	095751	1968.10	NMEA 0183	12	2	2
659631.667318	4047809.342020	34,700		-109.216159	36.562391	11/8/2012	095925	1966.41	NMEA 0183	12	2	2
659535.512881	4047585.267882	34,700		-109.217279	36.560388	10/27/2012	113557	1965.49	NMEA 0183	12	2	2
659574.632332	4047730.757869	34,700		-109.216812	36.561692	10/27/2012	114633	1963.41	NMEA 0183	12	2	2
659547.340654	4047598.011145	34,700		-109.217144	36.560501	10/27/2012	114851	1966.18	NMEA 0183	12	2	2
659584.635605	4047735.904149	34,700		-109.216699	36.561737	10/27/2012	115432	1964.91	NMEA 0183	12	2	2
659548.933857	4047597.228690	34,700		-109.217127	36.560494	10/27/2012	115619	1966.19	NMEA 0183	12	2	2
659561.707465	4047627.522333	34,700		-109.216978	36.560764	10/27/2012	115658	1965.43	NMEA 0183	12	2	2
659563.263320	4047635.593457	34,700		-109.216959	36.560837	10/27/2012	115704	1965.19	NMEA 0183	12	2	2
659557.996904	4047615.027588	34,700		-109.217022	36.560652	11/1/2012	161538	1964.50	NMEA 0183	12	2	2
659563.967338	4047627.159166	34,700		-109.216953	36.560761	11/1/2012	161558	1964.22	NMEA 0183	12	2	2
659580.357700	4047683.365059	34,700		-109.216758	36.561264	11/1/2012	161844	1963.42	NMEA 0183	12	2	2
659586.576080	4047688.559522	34,700		-109.216687	36.561310	11/1/2012	162050	1963.75	NMEA 0183	12	2	2
659594.241783	4047672.356346	34,700		-109.216605	36.561163	11/1/2012	162536	1965.23	NMEA 0183	12	2	2
659626.775961	4047647.684366	34,700		-109.216247	36.560935	11/2/2012	104805	1973.59	NMEA 0183	12	2	2
659627.259275	4047666.835356	34,700		-109.216238	36.561108	11/2/2012	104952	1972.24	NMEA 0183	12	2	2
659621.096117	4047676.601853	34,700		-109.216304	36.561197	11/2/2012	105351	1970.83	NMEA 0183	12	2	2
659621.161246	4047677.514938	34,700		-109.216303	36.561205	11/2/2						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659616.322478	4047657.151170	34,700		-109.216362	36.561022	11/2/2012	105512	1971.22	NMEA 0183	12	2	2
659608.314016	4047642.518015	34,700		-109.216454	36.560892	11/2/2012	105836	1971.57	NMEA 0183	12	2	2
659607.599762	4047653.271575	34,700		-109.216460	36.560989	11/2/2012	105914	1970.04	NMEA 0183	12	2	2
659603.838881	4047649.929787	34,700		-109.216503	36.560959	11/2/2012	110116	1969.81	NMEA 0183	12	2	2
659592.712689	4047637.582326	34,700		-109.216629	36.560850	11/2/2012	110405	1968.87	NMEA 0183	12	2	2
659593.456442	4047640.603650	34,700		-109.216621	36.560877	11/2/2012	110412	1968.64	NMEA 0183	12	2	2
659591.105466	4047637.511825	34,700		-109.216647	36.560849	11/2/2012	110629	1968.72	NMEA 0183	12	2	2
659585.636093	4047647.846108	34,700		-109.216706	36.560944	11/2/2012	110947	1966.50	NMEA 0183	12	2	2
659583.104307	4047637.929426	34,700		-109.216737	36.560855	11/2/2012	110958	1966.20	NMEA 0183	12	2	2
659582.697745	4047636.116629	34,700		-109.216742	36.560838	11/2/2012	111000	1966.15	NMEA 0183	12	2	2
659578.284025	4047626.941900	34,700		-109.216793	36.560756	11/2/2012	111159	1966.76	NMEA 0183	12	2	2
659562.371353	4047606.848173	34,700		-109.216975	36.560578	11/2/2012	111333	1966.25	NMEA 0183	12	2	2
659582.162915	4047642.105122	34,700		-109.216746	36.560892	11/2/2012	111517	1966.15	NMEA 0183	12	2	2
659644.179844	4047691.461064	34,700		-109.216043	36.561327	11/8/2012	093626	1970.63	NMEA 0183	12	2	2
659537.129545	4047592.234036	34,700		-109.217260	36.560451	10/27/2012	113603	1965.03	NMEA 0183	12	2	2
659578.233238	4047713.116109	34,700		-109.216776	36.561533	10/27/2012	115451	1963.74	NMEA 0183	12	2	2
659566.770526	4047638.695617	34,700		-109.216919	36.560864	11/1/2012	161614	1963.97	NMEA 0183	12	2	2
659594.029522	4047719.037558	34,700		-109.216598	36.561584	11/1/2012	162126	1965.05	NMEA 0183	12	2	2
659531.870365	4047579.240784	34,800		-109.217321	36.560334	10/27/2012	113546	1965.33	NMEA 0183	12	2	2
659577.040419	4047724.332456	34,800		-109.216787	36.561634	10/27/2012	115037	1964.01	NMEA 0183	12	2	2
659577.510172	4047728.047865	34,800		-109.216781	36.561668	10/27/2012	115040	1964.32	NMEA 0183	12	2	2
659589.990549	4047692.396134	34,800		-109.216649	36.561344	11/1/2012	162208	1963.86	NMEA 0183	12	2	2
659589.772517	4047691.359985	34,800		-109.216651	36.561335	11/1/2012	162209	1963.92	NMEA 0183	12	2	2
659624.623410	4047633.494616	34,800		-109.216274	36.560808	11/2/2012	104647	1975.02	NMEA 0183	12	2	2
659624.681395	4047633.586325	34,800		-109.216273	36.560809	11/2/2012	104737	1974.92	NMEA 0183	12	2	2
659624.838370	4047634.776712	34,800		-109.216271	36.560819	11/2/2012	104743	1974.77	NMEA 0183	12	2	2
659624.372150	4047645.993586	34,800		-109.216274	36.560920	11/2/2012	105014	1973.45	NMEA 0183	12	2	2
659621.837252	4047646.301695	34,800		-109.216302	36.560924	11/2/2012	105045	1973.16	NMEA 0183	12	2	2
659611.537842	4047641.911940	34,800		-109.216418	36.560886	11/2/2012	105549	1972.19	NMEA 0183	12	2	2
659610.697969	4047655.415448	34,800		-109.216425	36.561008	11/2/2012	105741	1970.24	NMEA 0183	12	2	2
659606.880457	4047652.472132	34,800		-109.216468	36.560982	11/2/2012	105911	1969.95	NMEA 0183	12	2	2
659603.940052	4047693.145022	34,800		-109.216493	36.561349	11/2/2012	110508	1966.17	NMEA 0183	12	2	2
659570.222016	4047617.283348	34,800		-109.216885	36.560671	11/2/2012	111143	1966.41	NMEA 0183	12	2	2
659660.160002	4047659.889942	34,800		-109.215872	36.561040	11/8/2012	093035	1969.77	NMEA 0183	12	2	2
659663.081688	4047678.703304	34,800		-109.215835	36.561209	11/8/2012	093353	1968.87	NMEA 0183	12	2	2
659649.103794	4047683.182755	34,800		-109.215990	36.561251	11/8/2012	093500	1970.48	NMEA 0183	12	2	2
659667.891203	4047713.020324	34,800		-109.215774	36.561517	11/8/2012	094228	1967.35	NMEA 0183	12	2	2
659634.632721	4047803.198859	34,800		-109.216127	36.562335	11/8/2012	095831	1967.38	NMEA 0183	12	2	2
659618.653160	4047829.607655	34,800		-109.216300	36.562576	11/8/2012	100154	1963.00	NMEA 0183	12	2	2
659630.256334	4047649.335930	34,800		-109.216208	36.560949	11/8/2012	114342	1972.92	NMEA 0183	12	2	2
659607.914199	4047700.513755	34,900		-109.216447	36.561414	11/2/2012	110251	1966.96	NMEA 0183	12	2	2
659564.762849	4047602.525498	34,900		-109.216949	36.560539	11/2/2012	111050	1966.70	NMEA 0183	12	2	2
659562.139727	4047601.877571	34,900		-109.216978	36.560533	11/2/2012	111125	1966.70	NMEA 0183	12	2	2
659565.528143	4047611.547479	34,900		-109.216939	36.560620	11/2/2012	111327	1966.16	NMEA 0183	12	2	2
659640.888036	4047653.347146	34,900		-109.216088	36.560984	11/8/2012	092849	1971.50	NMEA 0183	12	2	2
659650.380203	4047656.368017	34,900		-109.215981	36.561009	11/8/2012	092940	1970.72	NMEA 0183	12	2	2
659658.189277	4047670.081940	34,900		-109.215891	36.561132	11/8/2012	093228	1969.77	NMEA 0183	12	2	2
659661.938458	4047676.384826	34,900		-109.215848	36.561188	11/8/2012	093347	1968.70	NMEA 0183	12	2	2
659681.808900	4047682.354289	34,900		-109.215625	36.561238	11/8/2012	093552	1966.72	NMEA 0183	12	2	2
659649.554418	4047693.155180	34,900		-109.215983	36.561341	11/8/2012	093638	1969.80	NMEA 0183	12	2	2
659656.756513	4047714.811337	34,900		-109.215898	36.561535	11/8/2012	094239	1967.64	NMEA 0183	12	2	2
659665.391260	4047728.091126	34,900		-109.215799	36.561653	11/8/2012	094503	1967.13	NMEA 0183	12	2	2
659681.256482	4047722.943977	34,900		-109.215623	36.561600	11/8/2012	094518	1965.00	NMEA 0183	12	2	2
659676.275313	4047730.397998	34,900		-109.215677	36.561672	11/8/2012	094611	1965.98	NMEA 0183	12	2	2
659699.689777	4047749.292049	34,900		-109.215411	36.561839	11/8/2012	095125	1963.01	NMEA 0183	12	2	2
659694.494804	4047757.298951	34,900		-109.215468	36.561912	11/8/2012	095148	1963.77	NMEA 0183	12	2	2
659634.146118	4047698.571781	34,900		-109.216154	36.561392	11/8/2012	114301	1970.88	NMEA 0183	12	2	2
659632.849172	4047650.408737	34,900		-109.216179	36.560959	11/8/2012	114414	1972.90	NMEA 0183	12	2	2
659553.028913	4047591.241472	34,900		-109.217082	36.560439	11/2/2012	111354	1966.55	NMEA 0183	12	2	2
659558.907690	4047607.190869	34,900		-109.217013	36.560582	11/2/2012	111417	1965.96	NMEA 0183	12	2	2
659562.635833	4047613.748567	34,900		-109.216970	36.560640	11/2/2012	111426	1965.94	NMEA 0183	12	2	2
659633.746364	4047696.071037	34,900		-109.216159	36.561370	11/8/2012	114259	1970.87	NMEA 0183	12	2	2
659532.533252	4047581.957259	34,900		-109.217313	36.560359	10/27/2012	113543	1965.18	NMEA 0183	12	2	2
659595.573484	4047653.814267	35,000		-109.216594	36.560996	11/2/2012	110609	1967.82	NMEA 0183	12	2	2
659587.937890	4047655.198611	35,000		-109.216679	36.561009	11/2/2012	110939	1966.71	NMEA 0183	12	2	2
659564.032475	4047601.115470	35,000		-109.216957	36.560526	11/2/2012	111052	1966.98	NMEA 0183	12	2	2
659558.439748	4047595.490563	35,000		-109.217021	36.560476	11/2/2012	111117	1966.98	NMEA 0183	12	2	2
659575.676583	4047625.770809	35,000		-109.216822	36.560746	11/2/2012	111155	1966.86	NMEA 0183	12	2	2
659584.577328	4047648.052129	35,000		-109.216718	36.560946	11/2/2012	111226	1966.48	NMEA 0183	12	2	2
659562.081696	4047612.249325	35,000		-109.216977	36.560627	11/2/2012	111424	1965.97	NMEA 0183	12	2	2
659647.522445	4047646.251051	35,000		-109.216015	36.560919	11/8/2012	092815	1970.85	NMEA 0183	12	2	2
659650.637794	4047664.037745	35,000		-109.215977	36.561079	11/8/2012	093047	1970.13	NMEA 0183	12	2	2
659648.685751	4047684.482701	35,000		-109.215995	36.561263	11/8/2012	093436	1970.30	NMEA 0183	12	2	2
659592.448529	4047640.159537	35,100		-109.216632	36.560873	11/2/2012	110625	1968.62	NMEA 0183	12	2	2
659597.736043	4047691.842474	35,100		-109.216562	36.561338	11/2/2012	110805	1965.54	NMEA 0183	12	2	2
659580.606153	4047631.509206	35,100		-109.216766	36.560797	11/2/2012	111006	1966.20	NMEA 0183	12	2	2
659577.011080	4047626.145140	35,100		-109.216807	36.560749	11/2/2012	111157	1966.87	NMEA 0183	12	2	2
659585.740641	4047651.702716	35,100		-109.216704	36.560978	11/2/2012	111230	1966.55	NMEA 0183	12	2	2
659572.925943	4047625.562579	35,100		-109.216853	36.560745	11/2/2012	111309	1966.44	NMEA 0183	12	2	2
659588.757974	4047643.886570	35,100		-109.216672	36.560907	11/2/2012						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659650.859479	4047683.936693	35,100		-109.215970	36.561258	11/8/2012	093434	1970.16	NMEA 0183	12	2	2
659701.586822	4047748.940681	35,100		-109.215390	36.561835	11/8/2012	095123	1963.09	NMEA 0183	12	2	2
659668.308095	4047792.032174	35,100		-109.215753	36.562229	11/8/2012	095637	1964.27	NMEA 0183	12	2	2
659629.914603	4047645.315851	35,100		-109.216212	36.560913	11/8/2012	114345	1973.02	NMEA 0183	12	2	2
659533.292617	4047585.023257	35,100		-109.217304	36.560386	10/27/2012	113540	1965.02	NMEA 0183	12	2	2
659534.474202	4047582.056132	35,200		-109.217291	36.560359	10/27/2012	113554	1965.54	NMEA 0183	12	2	2
659541.429901	4047591.671938	35,200		-109.217212	36.560445	10/27/2012	114821	1966.42	NMEA 0183	12	2	2
659577.914888	4047622.225849	35,200		-109.216798	36.560714	11/2/2012	111020	1967.20	NMEA 0183	12	2	2
659569.232522	4047609.971834	35,200		-109.216897	36.560605	11/2/2012	111040	1966.61	NMEA 0183	12	2	2
659568.611538	4047609.422071	35,200		-109.216905	36.560600	11/2/2012	111041	1966.61	NMEA 0183	12	2	2
659581.819516	4047639.461154	35,200		-109.216751	36.560869	11/2/2012	111217	1966.32	NMEA 0183	12	2	2
659590.979732	4047643.245255	35,200		-109.216648	36.560901	11/2/2012	111527	1967.55	NMEA 0183	12	2	2
659641.701139	4047630.833498	35,200		-109.216084	36.560781	11/8/2012	092542	1971.95	NMEA 0183	12	2	2
659647.710787	4047639.638348	35,200		-109.216015	36.560859	11/8/2012	092705	1971.33	NMEA 0183	12	2	2
659681.700538	4047692.455068	35,200		-109.215624	36.561329	11/8/2012	093827	1966.44	NMEA 0183	12	2	2
659646.955422	4047696.114489	35,200		-109.216011	36.561368	11/8/2012	094000	1970.63	NMEA 0183	12	2	2
659670.258576	4047791.132445	35,200		-109.215732	36.562220	11/8/2012	095709	1964.19	NMEA 0183	12	2	2
659624.965409	4047812.844850	35,200		-109.216233	36.562424	11/8/2012	100001	1966.07	NMEA 0183	12	2	2
659594.614201	4047712.533938	35,300		-109.216593	36.561525	11/1/2012	162146	1964.62	NMEA 0183	12	2	2
659594.233707	4047672.389490	35,300		-109.216605	36.561163	11/1/2012	162533	1965.24	NMEA 0183	12	2	2
659594.229541	4047672.372766	35,300		-109.216605	36.561163	11/1/2012	162546	1965.24	NMEA 0183	12	2	2
659599.634263	4047672.522951	35,300		-109.216545	36.561164	11/2/2012	110548	1966.58	NMEA 0183	12	2	2
659558.874486	4047596.347613	35,300		-109.217016	36.560484	11/2/2012	111118	1966.98	NMEA 0183	12	2	2
659573.033356	4047623.069394	35,300		-109.216852	36.560722	11/2/2012	111150	1966.53	NMEA 0183	12	2	2
659570.019499	4047619.353049	35,300		-109.216887	36.560689	11/2/2012	111317	1966.39	NMEA 0183	12	2	2
659560.899703	4047604.294264	35,300		-109.216992	36.560555	11/2/2012	111336	1966.25	NMEA 0183	12	2	2
659552.864972	4047597.105517	35,300		-109.217083	36.560492	11/2/2012	111403	1965.88	NMEA 0183	12	2	2
659534.413262	4047590.413563	35,300		-109.217290	36.560435	10/27/2012	113535	1965.02	NMEA 0183	12	2	2
659556.290563	4047648.628111	35,300		-109.217034	36.560955	10/27/2012	114736	1963.98	NMEA 0183	12	2	2
659581.501958	4047727.224816	35,300		-109.216736	36.561659	10/27/2012	115440	1964.33	NMEA 0183	12	2	2
659559.112107	4047618.939928	35,300		-109.217009	36.560687	10/27/2012	115651	1965.76	NMEA 0183	12	2	2
659554.940716	4047603.212703	35,300		-109.217058	36.560546	11/1/2012	161513	1965.22	NMEA 0183	12	2	2
659572.043292	4047649.341944	35,300		-109.216858	36.560959	11/1/2012	161920	1963.93	NMEA 0183	12	2	2
659575.138693	4047642.143174	35,300		-109.216825	36.560894	11/1/2012	162006	1964.21	NMEA 0183	12	2	2
659594.244954	4047672.426692	35,300		-109.216605	36.561164	11/1/2012	162534	1965.24	NMEA 0183	12	2	2
659594.220454	4047672.379996	35,300		-109.216605	36.561163	11/1/2012	162543	1965.22	NMEA 0183	12	2	2
659594.230861	4047672.382039	35,300		-109.216605	36.561163	11/1/2012	162544	1965.23	NMEA 0183	12	2	2
659628.234110	4047658.605852	35,300		-109.216228	36.561033	11/2/2012	104817	1972.84	NMEA 0183	12	2	2
659631.461723	4047681.764154	35,300		-109.216188	36.561241	11/2/2012	104842	1971.66	NMEA 0183	12	2	2
659623.558404	4047668.544215	35,300		-109.216279	36.561124	11/2/2012	105225	1971.57	NMEA 0183	12	2	2
659603.664003	4047649.060908	35,300		-109.216505	36.560951	11/2/2012	110117	1969.90	NMEA 0183	12	2	2
659576.813341	4047740.116850	35,400		-109.216786	36.561776	10/27/2012	114625	1963.61	NMEA 0183	12	2	2
659570.826341	4047698.952857	35,400		-109.216861	36.561406	10/27/2012	115018	1963.40	NMEA 0183	12	2	2
659579.089578	4047717.227113	35,400		-109.216765	36.561570	10/27/2012	115448	1963.79	NMEA 0183	12	2	2
659590.079816	4047723.142660	35,400		-109.216641	36.561621	11/1/2012	161800	1964.74	NMEA 0183	12	2	2
659591.094664	4047697.950762	35,400		-109.216635	36.561394	11/1/2012	162202	1963.83	NMEA 0183	12	2	2
659590.441580	4047695.190071	35,400		-109.216643	36.561369	11/1/2012	162205	1963.90	NMEA 0183	12	2	2
659579.116612	4047646.012425	35,400		-109.216780	36.560928	11/1/2012	162307	1964.53	NMEA 0183	12	2	2
659596.153039	4047711.463788	35,400		-109.216576	36.561515	11/1/2012	162426	1964.68	NMEA 0183	12	2	2
659626.032087	4047644.026757	35,400		-109.216256	36.560902	11/2/2012	104801	1973.91	NMEA 0183	12	2	2
659626.215467	4047644.919840	35,400		-109.216254	36.560910	11/2/2012	104802	1973.77	NMEA 0183	12	2	2
659629.255351	4047665.731151	35,400		-109.216215	36.561097	11/2/2012	104825	1972.37	NMEA 0183	12	2	2
659629.322674	4047666.686820	35,400		-109.216215	36.561106	11/2/2012	104826	1972.35	NMEA 0183	12	2	2
659631.155834	4047695.357104	35,400		-109.216188	36.561364	11/2/2012	104920	1971.62	NMEA 0183	12	2	2
659626.137298	4047690.155271	35,400		-109.216245	36.561318	11/2/2012	105204	1971.05	NMEA 0183	12	2	2
659620.480721	4047647.517646	35,400		-109.216317	36.560935	11/2/2012	105246	1972.75	NMEA 0183	12	2	2
659621.538149	4047680.362992	35,400		-109.216299	36.561231	11/2/2012	105355	1970.63	NMEA 0183	12	2	2
659616.760745	4047660.150183	35,400		-109.216356	36.561049	11/2/2012	105509	1971.00	NMEA 0183	12	2	2
659612.886097	4047652.243195	35,400		-109.216401	36.560979	11/2/2012	105601	1971.15	NMEA 0183	12	2	2
659611.560971	4047659.247283	35,400		-109.216414	36.561042	11/2/2012	105737	1969.99	NMEA 0183	12	2	2
659625.618219	4047641.079987	35,500		-109.216261	36.560876	11/2/2012	104758	1973.96	NMEA 0183	12	2	2
659621.986119	4047647.205236	35,500		-109.216301	36.560932	11/2/2012	105046	1973.23	NMEA 0183	12	2	2
659621.682380	4047656.259185	35,500		-109.216302	36.561013	11/2/2012	105237	1972.12	NMEA 0183	12	2	2
659619.965031	4047664.297348	35,500		-109.216320	36.561086	11/2/2012	105338	1971.19	NMEA 0183	12	2	2
659621.875412	4047686.393557	35,500		-109.216294	36.561285	11/2/2012	105401	1970.43	NMEA 0183	12	2	2
659613.750687	4047657.678706	35,500		-109.216390	36.561027	11/2/2012	105607	1970.61	NMEA 0183	12	2	2
659614.737827	4047663.425381	35,500		-109.216378	36.561079	11/2/2012	105613	1970.26	NMEA 0183	12	2	2
659604.635435	4047642.059507	35,500		-109.216495	36.560888	11/2/2012	105858	1970.82	NMEA 0183	12	2	2
659598.866099	4047635.822760	35,500		-109.216561	36.560833	11/2/2012	110135	1970.47	NMEA 0183	12	2	2
659564.232939	4047601.731421	35,500		-109.216955	36.560532	11/2/2012	111051	1966.80	NMEA 0183	12	2	2
659552.757057	4047596.326664	35,500		-109.217084	36.560485	11/2/2012	111402	1965.98	NMEA 0183	12	2	2
659595.319811	4047642.149373	35,500		-109.216599	36.560891	11/2/2012	111534	1968.86	NMEA 0183	12	2	2
659633.650169	4047641.093964	35,500		-109.216172	36.560875	11/8/2012	092644	1972.49	NMEA 0183	12	2	2
659636.169148	4047644.780806	35,500		-109.216143	36.560907	11/8/2012	092724	1972.03	NMEA 0183	12	2	2
659649.317097	4047656.727471	35,500		-109.215993	36.561013	11/8/2012	092939	1970.90	NMEA 0183	12	2	2
659659.201881	4047666.895285	35,500		-109.215881	36.561103	11/8/2012	093159	1968.98	NMEA 0183	12	2	2
659655.402441	4047683.003676	35,500		-109.215920	36.561249	11/8/2012	093430	1969.90	NMEA 0183	12	2	2
659645.334712	4047688.166069	35,500		-109.216031	36.561297	11/8/2012	093514	1970.56	NMEA 0183	12	2	2
659660.611524	4047690.802272	35,500		-109.215860	36.561318	11/8/2012	093649	1968.37	NMEA 0183	12	2	2
659670.811445	4047756.594934	35,500		-109.215732	36.561909	11/8/						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659665.142150	4047760.412841	35,500		-109.215795	36.561945	11/8/2012	095229	1966.23	NMEA 0183	12	2	2
659552.242832	4047594.767123	35,600		-109.217090	36.560471	11/2/2012	111400	1966.05	NMEA 0183	12	2	2
659647.587047	4047671.561008	35,600		-109.216010	36.561147	11/8/2012	093216	1970.37	NMEA 0183	12	2	2
659646.199716	4047675.643341	35,600		-109.216024	36.561184	11/8/2012	093259	1970.54	NMEA 0183	12	2	2
659649.826978	4047698.409543	35,600		-109.215979	36.561388	11/8/2012	094005	1970.42	NMEA 0183	12	2	2
659629.257327	4047815.225438	35,600		-109.216184	36.562444	11/8/2012	100021	1965.29	NMEA 0183	12	2	2
659614.534072	4047829.251945	35,600		-109.216346	36.562573	11/8/2012	100150	1962.74	NMEA 0183	12	2	2
659533.874626	4047587.192587	35,700		-109.217297	36.560406	10/27/2012	113538	1965.03	NMEA 0183	12	2	2
659532.379526	4047578.739720	35,700		-109.217316	36.560330	10/27/2012	113548	1965.43	NMEA 0183	12	2	2
659673.318363	4047721.769997	35,700		-109.215712	36.561595	11/8/2012	094435	1966.09	NMEA 0183	12	2	2
659622.935548	4047812.635175	35,700		-109.216256	36.562422	11/8/2012	095916	1966.23	NMEA 0183	12	2	2
659631.783633	4047674.787698	35,700		-109.216185	36.561179	11/8/2012	114243	1971.17	NMEA 0183	12	2	2
659632.900728	4047684.306373	35,700		-109.216171	36.561264	11/8/2012	114250	1970.90	NMEA 0183	12	2	2
659633.208620	4047653.071502	35,700		-109.216174	36.560983	11/8/2012	114416	1972.80	NMEA 0183	12	2	2
659578.221909	4047644.693679	35,700		-109.216790	36.560916	11/1/2012	162302	1964.55	NMEA 0183	12	2	2
659592.114569	4047691.070487	35,700		-109.216625	36.561332	11/1/2012	162405	1963.94	NMEA 0183	12	2	2
659630.452662	4047674.304293	35,700		-109.216200	36.561174	11/2/2012	104834	1971.99	NMEA 0183	12	2	2
659608.164908	4047656.026938	35,700		-109.216453	36.561013	11/2/2012	105919	1969.65	NMEA 0183	12	2	2
659611.739060	4047679.570835	35,700		-109.216408	36.561225	11/2/2012	105945	1968.26	NMEA 0183	12	2	2
659607.766660	4047684.254449	35,700		-109.216452	36.561268	11/2/2012	110230	1967.20	NMEA 0183	12	2	2
659593.923885	4047642.110535	35,700		-109.216615	36.560890	11/2/2012	110414	1968.46	NMEA 0183	12	2	2
659580.512866	4047630.826805	35,700		-109.216767	36.560791	11/2/2012	111007	1966.28	NMEA 0183	12	2	2
659557.822446	4047594.017894	35,700		-109.217028	36.560463	11/2/2012	111115	1967.14	NMEA 0183	12	2	2
659583.256790	4047648.212604	35,700		-109.216733	36.560947	11/2/2012	111241	1966.31	NMEA 0183	12	2	2
659594.642662	4047642.375419	35,800		-109.216607	36.560893	11/2/2012	111533	1968.65	NMEA 0183	12	2	2
659684.577501	4047743.906543	35,800		-109.215581	36.561793	11/8/2012	094946	1963.73	NMEA 0183	12	2	2
659664.864755	4047773.351547	35,800		-109.215795	36.562061	11/8/2012	095433	1965.92	NMEA 0183	12	2	2
659670.412619	4047781.383946	35,800		-109.215732	36.562133	11/8/2012	095530	1964.69	NMEA 0183	12	2	2
659625.714029	4047811.741549	35,800		-109.216225	36.562414	11/8/2012	095919	1966.35	NMEA 0183	12	2	2
659567.444668	4047699.543072	35,900		-109.216899	36.561412	10/27/2012	114657	1963.14	NMEA 0183	12	2	2
659656.436868	4047714.024854	35,900		-109.215902	36.561528	11/8/2012	094135	1967.45	NMEA 0183	12	2	2
659700.651853	4047749.069450	35,900		-109.215401	36.561836	11/8/2012	095124	1963.06	NMEA 0183	12	2	2
659678.642729	4047794.110599	35,900		-109.215637	36.562246	11/8/2012	095659	1963.22	NMEA 0183	12	2	2
659624.714946	4047811.948672	35,900		-109.216236	36.562416	11/8/2012	095918	1966.26	NMEA 0183	12	2	2
659635.909109	4047809.035990	35,900		-109.216111	36.562388	11/8/2012	095950	1966.23	NMEA 0183	12	2	2
659627.088654	4047816.063788	35,900		-109.216209	36.562452	11/8/2012	100019	1965.11	NMEA 0183	12	2	2
659628.816448	4047637.832143	35,900		-109.216226	36.560846	11/8/2012	114351	1973.47	NMEA 0183	12	2	2
659633.039647	4047651.723672	35,900		-109.216176	36.560971	11/8/2012	114415	1972.82	NMEA 0183	12	2	2
659579.800802	4047739.702444	36,000		-109.216753	36.561772	10/27/2012	115050	1964.07	NMEA 0183	12	2	2
659558.304562	4047616.622142	36,000		-109.217018	36.560667	10/27/2012	115649	1965.63	NMEA 0183	12	2	2
659572.863272	4047677.943475	36,000		-109.216843	36.561217	10/27/2012	115739	1963.73	NMEA 0183	12	2	2
659584.103873	4047722.175438	36,000		-109.216708	36.561614	10/27/2012	115814	1964.65	NMEA 0183	12	2	2
659564.713381	4047609.860288	36,100		-109.216948	36.560605	11/2/2012	111329	1966.24	NMEA 0183	12	2	2
659553.721071	4047592.378892	36,100		-109.217074	36.560449	11/2/2012	111352	1966.60	NMEA 0183	12	2	2
659631.648323	4047631.409055	36,100		-109.216196	36.560788	11/8/2012	092439	1973.36	NMEA 0183	12	2	2
659666.425215	4047668.107661	36,100		-109.215800	36.561113	11/8/2012	093238	1969.30	NMEA 0183	12	2	2
659633.435121	4047671.908837	36,100		-109.216168	36.561152	11/8/2012	114325	1971.45	NMEA 0183	12	2	2
659540.461152	4047586.700619	36,200		-109.217224	36.560400	10/27/2012	114826	1966.65	NMEA 0183	12	2	2
659542.922528	4047590.358617	36,200		-109.217195	36.560433	10/27/2012	114837	1966.66	NMEA 0183	12	2	2
659575.796448	4047718.997193	36,200		-109.216802	36.561586	10/27/2012	115033	1964.01	NMEA 0183	12	2	2
659577.078806	4047725.561335	36,200		-109.216786	36.561645	10/27/2012	115038	1964.11	NMEA 0183	12	2	2
659598.300479	4047696.969073	36,200		-109.216555	36.561384	11/2/2012	110800	1965.38	NMEA 0183	12	2	2
659586.759262	4047641.592929	36,200		-109.216695	36.560887	11/2/2012	110906	1967.08	NMEA 0183	12	2	2
659584.916907	4047645.189622	36,200		-109.216715	36.560920	11/2/2012	110950	1966.47	NMEA 0183	12	2	2
659574.152849	4047617.496817	36,200		-109.216841	36.560672	11/2/2012	111028	1966.90	NMEA 0183	12	2	2
659570.937807	4047612.881511	36,200		-109.216878	36.560631	11/2/2012	111036	1966.59	NMEA 0183	12	2	2
659561.365932	4047596.210696	36,200		-109.216988	36.560482	11/2/2012	111059	1967.26	NMEA 0183	12	2	2
659622.655518	4047633.722611	36,300		-109.216296	36.560810	11/2/2012	105028	1974.58	NMEA 0183	12	2	2
659618.762219	4047634.462386	36,300		-109.216339	36.560817	11/2/2012	105300	1973.85	NMEA 0183	12	2	2
659621.493616	4047697.402987	36,300		-109.216296	36.561384	11/2/2012	105430	1970.26	NMEA 0183	12	2	2
659610.145667	4047652.209009	36,300		-109.216432	36.560979	11/2/2012	105748	1970.68	NMEA 0183	12	2	2
659609.582635	4047648.133036	36,300		-109.216439	36.560942	11/2/2012	105829	1971.09	NMEA 0183	12	2	2
659618.640434	4047653.254415	36,400		-109.216337	36.560987	11/2/2012	105327	1971.93	NMEA 0183	12	2	2
659620.039710	4047665.258701	36,400		-109.216319	36.561095	11/2/2012	105339	1971.18	NMEA 0183	12	2	2
659621.281479	4047678.514130	36,400		-109.216302	36.561214	11/2/2012	105353	1970.71	NMEA 0183	12	2	2
659610.144175	4047652.208982	36,400		-109.216432	36.560979	11/2/2012	105750	1970.65	NMEA 0183	12	2	2
659605.881363	4047635.061348	36,400		-109.216483	36.560825	11/2/2012	105846	1971.67	NMEA 0183	12	2	2
659609.870808	4047684.241689	36,400		-109.216428	36.561267	11/2/2012	110036	1967.59	NMEA 0183	12	2	2
659603.020399	4047646.352181	36,400		-109.216513	36.560927	11/2/2012	110120	1970.08	NMEA 0183	12	2	2
659607.731997	4047683.227250	36,400		-109.216452	36.561259	11/2/2012	110229	1967.19	NMEA 0183	12	2	2
659598.716343	4047661.032551	36,400		-109.216558	36.561060	11/2/2012	110437	1967.38	NMEA 0183	12	2	2
659584.752349	4047644.246948	36,400		-109.216717	36.560911	11/2/2012	110951	1966.42	NMEA 0183	12	2	2
659578.760662	4047624.734860	36,400		-109.216788	36.560736	11/2/2012	111016	1967.03	NMEA 0183	12	2	2
659558.212160	4047594.727987	36,400		-109.217024	36.560469	11/2/2012	111116	1966.95	NMEA 0183	12	2	2
659567.100278	4047613.751819	36,400		-109.216921	36.560639	11/2/2012	111324	1966.34	NMEA 0183	12	2	2
659619.429184	4047659.319249	36,500		-109.216327	36.561041	11/2/2012	105333	1971.49	NMEA 0183	12	2	2
659620.750478	4047671.987964	36,500		-109.216309	36.561155	11/2/2012	105346	1970.97	NMEA 0183	12	2	2
659623.180851	4047702.409844	36,500		-109.216276	36.561429	11/2/2012	105419	1971.00	NMEA 0183	12	2	2
659607.963472	4047640.822783	36,500		-109.216458	36.560876	11/2/2012	105838	1971.63	NMEA 0183	12	2	2
659609.539505	4047664.455392	36,500		-109.216436	36.561089	11/2						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659606.818069	4047676.107644	36,500		-109.216464	36.561195	11/2/2012	110222	1967.60	NMEA 0183	12	2	2
659607.325433	4047679.082043	36,500		-109.216458	36.561221	11/2/2012	110225	1967.46	NMEA 0183	12	2	2
659595.880275	4047639.204029	36,500		-109.216594	36.560864	11/2/2012	110355	1969.38	NMEA 0183	12	2	2
659595.547234	4047637.610853	36,500		-109.216598	36.560850	11/2/2012	110357	1969.54	NMEA 0183	12	2	2
659604.611390	4047638.770385	36,500		-109.216496	36.560859	11/2/2012	111549	1971.31	NMEA 0183	12	2	2
659649.532720	4047664.246599	36,500		-109.215989	36.561081	11/8/2012	093048	1970.26	NMEA 0183	12	2	2
659658.895548	4047717.823414	36,500		-109.215874	36.561562	11/8/2012	094248	1966.71	NMEA 0183	12	2	2
659626.080651	4047636.260980	36,500		-109.216257	36.560832	11/8/2012	114213	1973.33	NMEA 0183	12	2	2
659630.138743	4047648.033445	36,500		-109.216209	36.560938	11/8/2012	114343	1972.93	NMEA 0183	12	2	2
659533.057034	4047583.886905	36,600		-109.217307	36.560376	10/27/2012	113541	1965.01	NMEA 0183	12	2	2
659576.522906	4047738.881447	36,600		-109.216789	36.561765	10/27/2012	114626	1963.52	NMEA 0183	12	2	2
659542.416113	4047595.137968	36,600		-109.217200	36.560476	10/27/2012	114818	1966.13	NMEA 0183	12	2	2
659547.835575	4047599.485244	36,600		-109.217139	36.560514	10/27/2012	114859	1966.10	NMEA 0183	12	2	2
659571.638246	4047702.885470	36,600		-109.216851	36.561442	10/27/2012	115021	1963.58	NMEA 0183	12	2	2
659576.157915	4047720.344892	36,600		-109.216797	36.561598	10/27/2012	115034	1964.05	NMEA 0183	12	2	2
659579.955725	4047738.750898	36,600		-109.216751	36.561764	10/27/2012	115049	1964.39	NMEA 0183	12	2	2
659573.115562	4047679.385331	36,600		-109.216840	36.561230	10/27/2012	115740	1963.66	NMEA 0183	12	2	2
659581.944130	4047690.027322	36,600		-109.216739	36.561324	11/1/2012	161837	1963.37	NMEA 0183	12	2	2
659592.011199	4047700.827319	36,600		-109.216624	36.561420	11/1/2012	162159	1963.81	NMEA 0183	12	2	2
659592.459904	4047691.920332	36,600		-109.216621	36.561340	11/1/2012	162406	1963.93	NMEA 0183	12	2	2
659599.202671	4047708.100350	36,600		-109.216542	36.561484	11/1/2012	162441	1964.83	NMEA 0183	12	2	2
659598.053867	4047701.978899	36,600		-109.216556	36.561429	11/1/2012	162449	1964.44	NMEA 0183	12	2	2
659597.655623	4047695.534732	36,600		-109.216562	36.561371	11/1/2012	162456	1964.37	NMEA 0183	12	2	2
659596.829086	4047691.747967	36,600		-109.216572	36.561337	11/1/2012	162500	1964.57	NMEA 0183	12	2	2
659624.955870	4047637.129796	36,600		-109.216269	36.560840	11/2/2012	104753	1974.52	NMEA 0183	12	2	2
659629.826484	4047669.450294	36,600		-109.216208	36.561131	11/2/2012	104829	1972.19	NMEA 0183	12	2	2
659627.787705	4047669.558595	36,600		-109.216231	36.561132	11/2/2012	104949	1972.09	NMEA 0183	12	2	2
659615.030597	4047667.350219	36,600		-109.216374	36.561114	11/2/2012	105617	1969.94	NMEA 0183	12	2	2
659613.720236	4047673.799685	36,600		-109.216387	36.561173	11/2/2012	105722	1969.01	NMEA 0183	12	2	2
659610.150279	4047652.201696	36,600		-109.216432	36.560979	11/2/2012	105811	1970.71	NMEA 0183	12	2	2
659609.586458	4047648.168251	36,600		-109.216439	36.560942	11/2/2012	105827	1971.10	NMEA 0183	12	2	2
659601.782677	4047691.120332	36,600		-109.216517	36.561331	11/2/2012	110530	1966.03	NMEA 0183	12	2	2
659563.086234	4047603.702229	36,600		-109.216967	36.560550	11/2/2012	111127	1966.59	NMEA 0183	12	2	2
659564.312448	4047605.409997	36,600		-109.216953	36.560565	11/2/2012	111129	1966.62	NMEA 0183	12	2	2
659618.298655	4047669.105120	36,700		-109.216337	36.561130	11/2/2012	105500	1970.38	NMEA 0183	12	2	2
659613.557790	4047672.823756	36,700		-109.216389	36.561164	11/2/2012	105723	1969.07	NMEA 0183	12	2	2
659606.979770	4047693.212502	36,700		-109.216459	36.561349	11/2/2012	110258	1966.87	NMEA 0183	12	2	2
659578.588112	4047623.579329	36,700		-109.216790	36.560726	11/2/2012	111018	1967.18	NMEA 0183	12	2	2
659575.918447	4047619.246033	36,700		-109.216821	36.560687	11/2/2012	111025	1966.99	NMEA 0183	12	2	2
659574.758504	4047618.068492	36,700		-109.216834	36.560677	11/2/2012	111027	1966.79	NMEA 0183	12	2	2
659571.468316	4047614.367368	36,700		-109.216872	36.560644	11/2/2012	111034	1966.65	NMEA 0183	12	2	2
659567.293410	4047608.245296	36,700		-109.216919	36.560590	11/2/2012	111043	1966.52	NMEA 0183	12	2	2
659559.773144	4047592.222913	36,700		-109.217007	36.560447	11/2/2012	111104	1967.37	NMEA 0183	12	2	2
659559.348917	4047591.523278	36,700		-109.217012	36.560440	11/2/2012	111105	1967.29	NMEA 0183	12	2	2
659577.567802	4047626.458807	36,700		-109.216801	36.560752	11/2/2012	111158	1966.82	NMEA 0183	12	2	2
659578.607213	4047629.951724	36,700		-109.216789	36.560783	11/2/2012	111204	1966.19	NMEA 0183	12	2	2
659578.959478	4047633.324618	36,700		-109.216784	36.560814	11/2/2012	111208	1965.98	NMEA 0183	12	2	2
659585.980586	4047652.522861	36,700		-109.216702	36.560986	11/2/2012	111231	1966.53	NMEA 0183	12	2	2
659596.308831	4047641.842179	36,700		-109.216588	36.560888	11/2/2012	111536	1969.22	NMEA 0183	12	2	2
659642.904677	4047658.694905	36,700		-109.216064	36.561032	11/8/2012	092933	1971.24	NMEA 0183	12	2	2
659643.929359	4047658.395776	36,700		-109.216053	36.561029	11/8/2012	092934	1971.07	NMEA 0183	12	2	2
659566.878169	4047607.383059	36,800		-109.216924	36.560582	11/2/2012	111044	1966.52	NMEA 0183	12	2	2
659561.728419	4047596.940630	36,800		-109.216984	36.560489	11/2/2012	111058	1967.20	NMEA 0183	12	2	2
659560.961319	4047595.418942	36,800		-109.216993	36.560475	11/2/2012	111100	1967.30	NMEA 0183	12	2	2
659557.239488	4047593.187690	36,800		-109.217035	36.560456	11/2/2012	111114	1967.03	NMEA 0183	12	2	2
659583.186602	4047642.664205	36,800		-109.216735	36.560897	11/2/2012	111518	1966.20	NMEA 0183	12	2	2
659644.953148	4047649.458766	36,800		-109.216044	36.560948	11/8/2012	092831	1971.35	NMEA 0183	12	2	2
659648.687382	4047651.501625	36,800		-109.216001	36.560966	11/8/2012	092856	1970.93	NMEA 0183	12	2	2
659661.354495	4047717.184670	36,800		-109.215846	36.561556	11/8/2012	094250	1966.61	NMEA 0183	12	2	2
659571.906003	4047720.389966	36,900		-109.216845	36.561599	10/27/2012	114641	1963.49	NMEA 0183	12	2	2
659573.843938	4047683.316395	36,900		-109.216831	36.561265	10/27/2012	115743	1963.68	NMEA 0183	12	2	2
659577.978008	4047696.384998	36,900		-109.216782	36.561382	10/27/2012	115753	1963.77	NMEA 0183	12	2	2
659571.565709	4047719.107398	38,500		-109.216849	36.561588	10/27/2012	114642	1963.43	NMEA 0183	12	2	2
659568.643848	4047704.638897	38,500		-109.216884	36.561458	10/27/2012	114653	1963.18	NMEA 0183	12	2	2
659573.286139	4047680.727640	38,500		-109.216838	36.561242	10/27/2012	115741	1963.78	NMEA 0183	12	2	2
659577.338395	4047695.150518	38,500		-109.216789	36.561371	10/27/2012	115752	1963.70	NMEA 0183	12	2	2
659575.495970	4047673.085179	38,500		-109.216814	36.561173	11/1/2012	161651	1963.40	NMEA 0183	12	2	2
659575.563505	4047674.029753	38,500		-109.216813	36.561181	11/1/2012	161652	1963.36	NMEA 0183	12	2	2
659576.349985	4047677.643755	38,500		-109.216804	36.561214	11/1/2012	161656	1963.25	NMEA 0183	12	2	2
659593.368208	4047717.686147	38,500		-109.216606	36.561572	11/1/2012	162119	1964.80	NMEA 0183	12	2	2
659589.240785	4047688.492415	38,500		-109.216658	36.561309	11/1/2012	162212	1964.15	NMEA 0183	12	2	2
659594.217642	4047672.370696	38,500		-109.216605	36.561163	11/1/2012	162547	1965.25	NMEA 0183	12	2	2
659594.225203	4047672.365287	38,500		-109.216605	36.561163	11/1/2012	162549	1965.24	NMEA 0183	12	2	2
659626.966830	4047663.938928	38,500		-109.216241	36.561082	11/2/2012	104955	1972.41	NMEA 0183	12	2	2
659627.528223	4047701.804272	38,500		-109.216227	36.561423	11/2/2012	105151	1971.36	NMEA 0183	12	2	2
659610.154480	4047652.216571	38,500		-109.216432	36.560979	11/2/2012	105758	1970.69	NMEA 0183	12	2	2
659609.188415	4047675.901909	38,500		-109.216438	36.561192	11/2/2012	110045	1968.28	NMEA 0183	12	2	2
659606.511664	4047662.701251	38,500		-109.216470	36.561074	11/2/2012	110059	1968.89	NMEA 0183	12	2	2
659597.367076	4047644.721364	38,500		-109.216576	36.560913	11/2/2012	110348	1968.97	NMEA 0183	12	2	2
659596.930649	4047643.392620	38,500		-109.216581	36.560902							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659627.282391	4047651.352368	38,600		-109.216241	36.560968	11/2/2012	104809	1973.33	NMEA 0183	12	2	2
659624.150825	4047673.689832	38,600		-109.216271	36.561170	11/2/2012	105220	1971.32	NMEA 0183	12	2	2
659599.032621	4047639.636126	38,600		-109.216558	36.560867	11/2/2012	110140	1970.12	NMEA 0183	12	2	2
659591.717514	4047637.819120	38,600		-109.216641	36.560852	11/2/2012	110628	1968.92	NMEA 0183	12	2	2
659596.162090	4047678.072236	38,600		-109.216583	36.561214	11/2/2012	110819	1966.17	NMEA 0183	12	2	2
659588.743915	4047643.840068	38,600		-109.216673	36.560907	11/2/2012	110853	1967.14	NMEA 0183	12	2	2
659581.477334	4047632.969939	38,600		-109.216756	36.560810	11/2/2012	111004	1966.27	NMEA 0183	12	2	2
659560.548300	4047599.506406	38,600		-109.216997	36.560512	11/2/2012	111122	1967.01	NMEA 0183	12	2	2
659580.999274	4047637.747964	38,600		-109.216760	36.560853	11/2/2012	111215	1966.26	NMEA 0183	12	2	2
659585.178127	4047649.931417	38,600		-109.216711	36.560962	11/2/2012	111228	1966.48	NMEA 0183	12	2	2
659578.314510	4047638.010765	38,600		-109.216790	36.560856	11/2/2012	111511	1965.98	NMEA 0183	12	2	2
659556.843737	4047610.104637	38,700		-109.217036	36.560608	10/27/2012	115643	1965.90	NMEA 0183	12	2	2
659565.494644	4047634.275342	38,700		-109.216934	36.560825	11/1/2012	161609	1964.09	NMEA 0183	12	2	2
659574.265848	4047639.243385	38,700		-109.216835	36.560868	11/1/2012	162003	1964.27	NMEA 0183	12	2	2
659575.823267	4047646.263940	38,700		-109.216816	36.560931	11/1/2012	162010	1964.02	NMEA 0183	12	2	2
659627.834674	4047693.569768	38,700		-109.216226	36.561348	11/2/2012	105133	1971.53	NMEA 0183	12	2	2
659609.415985	4047679.400118	38,700		-109.216434	36.561224	11/2/2012	110041	1967.96	NMEA 0183	12	2	2
659606.481199	4047662.332606	38,700		-109.216471	36.561071	11/2/2012	110100	1968.90	NMEA 0183	12	2	2
659603.372729	4047647.146667	38,700		-109.216508	36.560934	11/2/2012	110119	1970.05	NMEA 0183	12	2	2
659599.462574	4047652.255009	38,700		-109.216551	36.560981	11/2/2012	110339	1968.72	NMEA 0183	12	2	2
659588.539023	4047650.060337	38,700		-109.216674	36.560963	11/2/2012	110915	1966.84	NMEA 0183	12	2	2
659584.446628	4047650.835277	38,700		-109.216719	36.560971	11/2/2012	111238	1966.36	NMEA 0183	12	2	2
659679.898240	4047693.087496	38,800		-109.215644	36.561335	11/8/2012	093829	1966.80	NMEA 0183	12	2	2
659665.600260	4047719.963942	38,800		-109.215798	36.561580	11/8/2012	094339	1966.25	NMEA 0183	12	2	2
659632.051654	4047644.012651	38,800		-109.216189	36.560901	11/8/2012	114409	1972.88	NMEA 0183	12	2	2
659565.078647	4047632.649185	38,900		-109.216939	36.560810	11/1/2012	161607	1964.02	NMEA 0183	12	2	2
659569.586261	4047638.692342	38,900		-109.216888	36.560864	11/1/2012	161931	1964.05	NMEA 0183	12	2	2
659621.057441	4047675.790989	38,900		-109.216305	36.561189	11/2/2012	105350	1970.79	NMEA 0183	12	2	2
659592.184615	4047639.344496	38,900		-109.216635	36.560866	11/2/2012	110626	1968.83	NMEA 0183	12	2	2
659579.569743	4047640.164839	38,900		-109.216776	36.560875	11/2/2012	111250	1966.17	NMEA 0183	12	2	2
659571.055158	4047621.680617	38,900		-109.216875	36.560710	11/2/2012	111314	1966.37	NMEA 0183	12	2	2
659570.667693	4047620.929872	38,900		-109.216879	36.560703	11/2/2012	111315	1966.35	NMEA 0183	12	2	2
659562.035711	4047611.510462	38,900		-109.216978	36.560620	11/2/2012	111423	1965.94	NMEA 0183	12	2	2
659569.802686	4047624.446661	38,900		-109.216888	36.560735	11/2/2012	111442	1966.33	NMEA 0183	12	2	2
659572.004048	4047627.480215	38,900		-109.216863	36.560762	11/2/2012	111448	1966.31	NMEA 0183	12	2	2
659647.347361	4047662.926095	38,900		-109.216014	36.561069	11/8/2012	093023	1970.76	NMEA 0183	12	2	2
659643.974805	4047719.698119	38,900		-109.216024	36.562293	11/8/2012	095749	1968.18	NMEA 0183	12	2	2
659549.933999	4047599.540798	39,000		-109.217115	36.560514	10/27/2012	115617	1966.20	NMEA 0183	12	2	2
659563.521855	4047636.859712	39,000		-109.216956	36.560848	10/27/2012	115705	1965.14	NMEA 0183	12	2	2
659565.799709	4047635.124439	39,000		-109.216931	36.560832	11/1/2012	161610	1964.13	NMEA 0183	12	2	2
659575.303310	4047672.129037	39,000		-109.216817	36.561164	11/1/2012	161650	1963.42	NMEA 0183	12	2	2
659597.877357	4047696.532107	39,000		-109.216560	36.561380	11/1/2012	162455	1964.38	NMEA 0183	12	2	2
659623.084300	4047700.697127	39,000		-109.216277	36.561413	11/2/2012	105417	1970.95	NMEA 0183	12	2	2
659617.687673	4047665.120739	39,000		-109.216345	36.561094	11/2/2012	105504	1970.71	NMEA 0183	12	2	2
659603.946498	4047639.542303	39,000		-109.216504	36.560866	11/2/2012	105855	1970.99	NMEA 0183	12	2	2
659579.634617	4047737.801622	39,100		-109.216755	36.561755	10/27/2012	115048	1964.38	NMEA 0183	12	2	2
659583.596402	4047719.045668	39,100		-109.216714	36.561585	10/27/2012	115811	1964.57	NMEA 0183	12	2	2
659576.208915	4047676.721863	39,100		-109.216806	36.561205	11/1/2012	161655	1963.41	NMEA 0183	12	2	2
659580.031305	4047651.563538	39,100		-109.216768	36.560978	11/1/2012	162251	1964.38	NMEA 0183	12	2	2
659630.285503	4047673.341224	39,100		-109.216202	36.561166	11/2/2012	104833	1972.03	NMEA 0183	12	2	2
659624.899141	4047667.616517	39,100		-109.216264	36.561115	11/2/2012	105107	1971.98	NMEA 0183	12	2	2
659625.177686	4047669.733984	39,100		-109.216260	36.561134	11/2/2012	105109	1971.84	NMEA 0183	12	2	2
659602.515983	4047659.871160	39,200		-109.216515	36.561049	11/2/2012	110205	1968.31	NMEA 0183	12	2	2
659603.919466	4047665.455389	39,200		-109.216499	36.561099	11/2/2012	110211	1968.07	NMEA 0183	12	2	2
659609.216310	4047697.565521	39,200		-109.216433	36.561388	11/2/2012	110243	1967.30	NMEA 0183	12	2	2
659593.288798	4047639.827387	39,200		-109.216623	36.560870	11/2/2012	110411	1968.81	NMEA 0183	12	2	2
659569.216165	4047623.808753	39,200		-109.216895	36.560730	11/2/2012	111441	1966.34	NMEA 0183	12	2	2
659571.056105	4047625.572295	39,200		-109.216874	36.560745	11/2/2012	111444	1966.44	NMEA 0183	12	2	2
659648.460117	4047662.624901	39,200		-109.216002	36.561066	11/8/2012	093024	1970.68	NMEA 0183	12	2	2
659625.214504	4047825.637951	39,200		-109.216227	36.562539	11/8/2012	100119	1963.41	NMEA 0183	12	2	2
659566.609786	4047677.779417	39,300		-109.216913	36.561216	10/27/2012	115001	1963.59	NMEA 0183	12	2	2
659567.371462	4047682.972558	39,300		-109.216903	36.561263	10/27/2012	115006	1963.46	NMEA 0183	12	2	2
659570.251773	4047665.163912	39,300		-109.216875	36.561102	10/27/2012	115729	1964.53	NMEA 0183	12	2	2
659564.453153	4047630.170154	39,300		-109.216947	36.560788	11/1/2012	161604	1964.09	NMEA 0183	12	2	2
659568.053129	4047644.201760	39,300		-109.216904	36.560914	11/1/2012	161620	1963.97	NMEA 0183	12	2	2
659576.743414	4047670.509556	39,300		-109.216801	36.561149	11/1/2012	161859	1963.43	NMEA 0183	12	2	2
659576.074563	4047647.115739	39,300		-109.216813	36.560939	11/1/2012	162011	1964.11	NMEA 0183	12	2	2
659594.264174	4047672.436297	39,300		-109.216605	36.561164	11/1/2012	162537	1965.24	NMEA 0183	12	2	2
659622.631712	4047651.978210	39,300		-109.216292	36.560975	11/2/2012	105051	1972.88	NMEA 0183	12	2	2
659599.370359	4047641.619665	39,300		-109.216554	36.560885	11/2/2012	110142	1970.08	NMEA 0183	12	2	2
659600.298654	4047646.758562	39,300		-109.216543	36.560931	11/2/2012	110148	1969.58	NMEA 0183	12	2	2
659600.346166	4047658.758118	39,300		-109.216540	36.561039	11/2/2012	110332	1968.11	NMEA 0183	12	2	2
659593.143151	4047638.910959	39,300		-109.216624	36.560862	11/2/2012	110409	1968.82	NMEA 0183	12	2	2
659560.973179	4047623.587462	39,400		-109.216987	36.560729	11/1/2012	161548	1964.23	NMEA 0183	12	2	2
659564.662565	4047630.947191	39,400		-109.216944	36.560795	11/1/2012	161605	1964.14	NMEA 0183	12	2	2
659569.219348	4047649.063918	39,400		-109.216890	36.560957	11/1/2012	161625	1963.95	NMEA 0183	12	2	2
659582.262856	4047691.024645	39,400		-109.216735	36.561333	11/1/2012	161836	1963.33	NMEA 0183	12	2	2
659565.724362	4047617.220291	39,400		-109.216935	36.560671	11/2/2012	111432	1966.17	NMEA 0183	12	2	2
659599.867574	4047639.590574	39,400		-109.216549	36.560867	11/2/2012	111543	1970.27	NMEA 0183	12	2	2
659643.880439	4047798.798099	39,500		-109.216025	36.562294	11/8/20						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659634.024705	4047697.395001	39,500		-109.216156	36.561382	11/8/2012	114300	1970.86	NMEA 0183	12	2	2
659632.169485	4047645.302193	39,500		-109.216187	36.560913	11/8/2012	114410	1972.91	NMEA 0183	12	2	2
659555.989199	4047647.418402	39,600		-109.217038	36.560945	10/27/2012	114737	1964.10	NMEA 0183	12	2	2
659545.991353	4047609.701801	39,600		-109.217157	36.560606	10/27/2012	114807	1965.45	NMEA 0183	12	2	2
659547.629228	4047598.623181	39,600		-109.217141	36.560506	10/27/2012	114858	1966.16	NMEA 0183	12	2	2
659582.441760	4047713.077631	39,600		-109.216729	36.561532	10/27/2012	115806	1964.43	NMEA 0183	12	2	2
659588.269819	4047656.127742	39,700		-109.216675	36.561018	11/2/2012	110938	1966.72	NMEA 0183	12	2	2
659578.405945	4047637.505657	39,700		-109.216789	36.560852	11/2/2012	111253	1966.05	NMEA 0183	12	2	2
659572.494330	4047624.859107	39,700		-109.216858	36.560739	11/2/2012	111310	1966.42	NMEA 0183	12	2	2
659562.339784	4047612.895938	39,700		-109.216974	36.560632	11/2/2012	111425	1966.01	NMEA 0183	12	2	2
659563.311769	4047615.277813	39,700		-109.216962	36.560654	11/2/2012	111428	1966.07	NMEA 0183	12	2	2
659585.132561	4047643.216346	39,700		-109.216713	36.560902	11/2/2012	111520	1966.36	NMEA 0183	12	2	2
659594.741908	4047834.363475	39,800		-109.216566	36.562623	10/27/2012	112946	1961.32	NMEA 0183	12	2	2
659535.833538	4047586.483497	39,800		-109.217275	36.560399	10/27/2012	113558	1965.39	NMEA 0183	12	2	2
659543.247469	4047598.908168	39,800		-109.217190	36.560510	10/27/2012	114815	1965.90	NMEA 0183	12	2	2
659580.141569	4047682.467670	39,800		-109.216761	36.561256	11/1/2012	161845	1963.46	NMEA 0183	12	2	2
659579.918216	4047650.742046	39,800		-109.216770	36.560971	11/1/2012	162252	1964.41	NMEA 0183	12	2	2
659574.830035	4047714.867500	39,900		-109.216813	36.561549	10/27/2012	115030	1963.84	NMEA 0183	12	2	2
659565.242163	4047633.567793	39,900		-109.216937	36.560818	11/1/2012	161608	1964.03	NMEA 0183	12	2	2
659574.924807	4047641.205135	39,900		-109.216827	36.560885	11/1/2012	162005	1964.20	NMEA 0183	12	2	2
659594.251950	4047672.371332	39,900		-109.216605	36.561163	11/1/2012	162532	1965.22	NMEA 0183	12	2	2
659594.225872	4047672.409691	39,900		-109.216605	36.561163	11/1/2012	162539	1965.25	NMEA 0183	12	2	2
659625.033398	4047668.664059	39,900		-109.216262	36.561125	11/2/2012	105108	1971.86	NMEA 0183	12	2	2
659597.005512	4047655.285403	39,900		-109.216578	36.561009	11/2/2012	110431	1967.84	NMEA 0183	12	2	2
659595.757484	4047654.674067	39,900		-109.216592	36.561003	11/2/2012	110608	1967.78	NMEA 0183	12	2	2
659597.626283	4047690.841628	39,900		-109.216564	36.561329	11/2/2012	110806	1965.67	NMEA 0183	12	2	2
659572.496323	4047630.223125	39,900		-109.216857	36.560787	11/2/2012	111452	1965.82	NMEA 0183	12	2	2
659572.106743	4047675.208611	40,000		-109.216852	36.561192	10/27/2012	115737	1963.72	NMEA 0183	12	2	2
659554.895967	4047603.211873	40,000		-109.217059	36.560546	11/1/2012	161516	1965.18	NMEA 0183	12	2	2
659568.323166	4047645.249970	40,000		-109.216900	36.560923	11/1/2012	161621	1964.00	NMEA 0183	12	2	2
659580.164501	4047695.713433	40,000		-109.216758	36.561376	11/1/2012	161715	1963.05	NMEA 0183	12	2	2
659579.098884	4047647.129284	40,000		-109.216780	36.560938	11/1/2012	162256	1964.43	NMEA 0183	12	2	2
659625.531600	4047653.631951	40,000		-109.216260	36.560989	11/2/2012	105006	1973.04	NMEA 0183	12	2	2
659624.377215	4047675.723097	40,000		-109.216268	36.561188	11/2/2012	105218	1971.19	NMEA 0183	12	2	2
659622.756758	4047698.164430	40,000		-109.216281	36.561391	11/2/2012	105414	1970.66	NMEA 0183	12	2	2
659599.859213	4047644.144255	40,000		-109.216548	36.560908	11/2/2012	110145	1969.81	NMEA 0183	12	2	2
659593.127531	4047639.189967	40,000		-109.216625	36.560864	11/2/2012	110410	1968.80	NMEA 0183	12	2	2
659586.187287	4047653.767809	40,000		-109.216699	36.560997	11/2/2012	111233	1966.53	NMEA 0183	12	2	2
659577.039029	4047636.546235	40,000		-109.216805	36.560843	11/2/2012	111509	1965.85	NMEA 0183	12	2	2
659650.664042	4047689.805705	40,000		-109.215971	36.561311	11/8/2012	093619	1969.54	NMEA 0183	12	2	2
659577.575759	4047742.533684	40,100		-109.216777	36.561798	10/27/2012	114623	1963.48	NMEA 0183	12	2	2
659568.964570	4047648.158414	40,100		-109.216893	36.560949	11/1/2012	161624	1963.91	NMEA 0183	12	2	2
659594.138208	4047647.047525	40,100		-109.216612	36.560935	11/2/2012	110617	1968.02	NMEA 0183	12	2	2
659578.925496	4047638.697218	40,100		-109.216783	36.560862	11/2/2012	111512	1966.05	NMEA 0183	12	2	2
659599.028797	4047639.761831	40,100		-109.216558	36.560868	11/2/2012	111542	1970.14	NMEA 0183	12	2	2
659674.431167	4047675.632625	40,100		-109.215709	36.561179	11/8/2012	093406	1967.49	NMEA 0183	12	2	2
659556.715152	4047651.319824	40,200		-109.217029	36.560980	10/27/2012	114734	1963.94	NMEA 0183	12	2	2
659562.424485	4047631.664045	40,200		-109.216969	36.560802	10/27/2012	115701	1965.28	NMEA 0183	12	2	2
659560.525053	4047622.889233	40,200		-109.216992	36.560723	11/1/2012	161547	1964.30	NMEA 0183	12	2	2
659568.788865	4047647.172993	40,200		-109.216895	36.560940	11/1/2012	161623	1963.98	NMEA 0183	12	2	2
659580.415733	4047653.523897	40,200		-109.216764	36.560996	11/1/2012	162249	1964.37	NMEA 0183	12	2	2
659578.315830	4047644.778655	40,200		-109.216789	36.560917	11/1/2012	162300	1964.50	NMEA 0183	12	2	2
659596.156440	4047689.157080	40,200		-109.216580	36.561314	11/1/2012	162503	1964.66	NMEA 0183	12	2	2
659626.337244	4047645.835826	40,200		-109.216252	36.560919	11/2/2012	104803	1973.73	NMEA 0183	12	2	2
659626.391067	4047660.147563	40,200		-109.216249	36.561048	11/2/2012	104959	1972.59	NMEA 0183	12	2	2
659625.316212	4047670.792703	40,200		-109.216258	36.561144	11/2/2012	105110	1971.87	NMEA 0183	12	2	2
659611.379967	4047676.808196	40,200		-109.216413	36.561200	11/2/2012	105942	1968.47	NMEA 0183	12	2	2
659603.529416	4047648.111391	40,200		-109.216506	36.560943	11/2/2012	110118	1969.92	NMEA 0183	12	2	2
659599.637048	4047643.250454	40,200		-109.216551	36.560900	11/2/2012	110144	1969.94	NMEA 0183	12	2	2
659601.453326	4047654.173027	40,200		-109.216528	36.560998	11/2/2012	110156	1968.84	NMEA 0183	12	2	2
659604.337564	4047666.404615	40,200		-109.216494	36.561108	11/2/2012	110212	1968.05	NMEA 0183	12	2	2
659603.719239	4047672.791083	40,200		-109.216499	36.561165	11/2/2012	110317	1966.98	NMEA 0183	12	2	2
659602.550813	4047679.633460	40,200		-109.216511	36.561227	11/2/2012	110455	1966.46	NMEA 0183	12	2	2
659599.806568	4047673.530507	40,200		-109.216543	36.561173	11/2/2012	110547	1966.51	NMEA 0183	12	2	2
659596.756851	4047679.150515	40,200		-109.216576	36.561224	11/2/2012	110714	1966.12	NMEA 0183	12	2	2
659573.629711	4047726.649701	40,300		-109.216824	36.561656	10/27/2012	114636	1963.22	NMEA 0183	12	2	2
659563.735586	4047626.701704	40,300		-109.216955	36.560757	11/1/2012	161556	1964.14	NMEA 0183	12	2	2
659576.498479	4047669.556144	40,300		-109.216804	36.561141	11/1/2012	161900	1963.42	NMEA 0183	12	2	2
659575.317604	4047644.162609	40,300		-109.216822	36.560912	11/1/2012	162008	1964.12	NMEA 0183	12	2	2
659580.139285	4047652.499613	40,300		-109.216767	36.560986	11/1/2012	162250	1964.37	NMEA 0183	12	2	2
659612.863640	4047651.362345	40,300		-109.216402	36.560971	11/2/2012	105600	1971.28	NMEA 0183	12	2	2
659609.357561	4047677.723252	40,300		-109.216435	36.561209	11/2/2012	110043	1968.21	NMEA 0183	12	2	2
659609.298963	4047676.860228	40,300		-109.216436	36.561201	11/2/2012	110044	1968.25	NMEA 0183	12	2	2
659604.645145	4047667.359190	40,300		-109.216490	36.561116	11/2/2012	110213	1967.96	NMEA 0183	12	2	2
659599.267121	4047651.369101	40,300		-109.216553	36.560973	11/2/2012	110340	1968.66	NMEA 0183	12	2	2
659594.303438	4047645.781730	40,300		-109.216610	36.560923	11/2/2012	110419	1967.91	NMEA 0183	12	2	2
659595.906528	4047677.048339	40,300		-109.216586	36.561205	11/2/2012	110820	1966.11	NMEA 0183	12	2	2
659589.162400	4047653.055382	40,300		-109.216666	36.560990	11/2/2012	110918	1966.82	NMEA 0183	12	2	2
659585.946552	4047653.794788	40,300		-109.216702	36.560997	11/2/2012	111234	1966.48	NMEA 0183	12	2	2
659567.663544	4047621.839680	40,300		-109.216913	36.560712	11						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659571.235050	4047717.788015	40,400		-109.216853	36.561576	10/27/2012	114643	1963.38	NMEA 0183	12	2	2
659571.015456	4047716.594618	40,400		-109.216855	36.561565	10/27/2012	114644	1963.42	NMEA 0183	12	2	2
659566.936762	4047679.860786	40,400		-109.216909	36.561235	10/27/2012	115003	1963.63	NMEA 0183	12	2	2
659594.225306	4047672.359740	40,500		-109.216605	36.561163	11/1/2012	162545	1965.23	NMEA 0183	12	2	2
659632.566598	4047695.560842	40,500		-109.216172	36.561366	11/2/2012	104858	1971.66	NMEA 0183	12	2	2
659611.492264	4047677.672216	40,500		-109.216411	36.561208	11/2/2012	105943	1968.34	NMEA 0183	12	2	2
659601.027037	4047651.251922	40,500		-109.216534	36.560972	11/2/2012	110153	1969.15	NMEA 0183	12	2	2
659605.819980	4047672.238161	40,500		-109.216476	36.561160	11/2/2012	110218	1967.72	NMEA 0183	12	2	2
659596.378493	4047679.115753	40,500		-109.216580	36.561223	11/2/2012	110818	1966.16	NMEA 0183	12	2	2
659589.143360	4047646.760673	40,500		-109.216667	36.560933	11/2/2012	110850	1967.00	NMEA 0183	12	2	2
659594.239000	4047834.528014	40,600		-109.216572	36.562624	10/27/2012	112949	1961.32	NMEA 0183	12	2	2
659593.135683	4047834.080280	40,600		-109.216584	36.562620	10/27/2012	112953	1961.11	NMEA 0183	12	2	2
659569.262888	4047707.304623	40,600		-109.216877	36.561482	10/27/2012	114651	1963.22	NMEA 0183	12	2	2
659565.021775	4047631.773246	40,600		-109.216940	36.560802	11/1/2012	161606	1964.11	NMEA 0183	12	2	2
659575.001968	4047671.159781	40,600		-109.216820	36.561155	11/1/2012	161649	1963.45	NMEA 0183	12	2	2
659577.674224	4047652.341069	40,600		-109.216794	36.560985	11/1/2012	162016	1964.06	NMEA 0183	12	2	2
659594.228752	4047672.415294	40,600		-109.216605	36.561163	11/1/2012	162529	1965.21	NMEA 0183	12	2	2
659630.936352	4047678.071755	40,600		-109.216194	36.561208	11/2/2012	104838	1971.82	NMEA 0183	12	2	2
659626.676745	4047662.041355	40,600		-109.216245	36.561065	11/2/2012	104957	1972.48	NMEA 0183	12	2	2
659624.987678	4047679.735214	40,600		-109.216260	36.561224	11/2/2012	105214	1971.14	NMEA 0183	12	2	2
659614.401877	4047661.506612	40,600		-109.216382	36.561062	11/2/2012	105611	1970.47	NMEA 0183	12	2	2
659610.931997	4047697.982073	40,600		-109.216413	36.561391	11/2/2012	110022	1967.70	NMEA 0183	12	2	2
659607.279912	4047665.286514	40,600		-109.216461	36.561097	11/2/2012	110056	1968.74	NMEA 0183	12	2	2
659607.057148	4047664.344610	40,600		-109.216464	36.561089	11/2/2012	110057	1968.80	NMEA 0183	12	2	2
659606.009928	4047673.179457	40,600		-109.216474	36.561168	11/2/2012	110219	1967.72	NMEA 0183	12	2	2
659595.086744	4047648.520791	40,600		-109.216601	36.560948	11/2/2012	110423	1968.07	NMEA 0183	12	2	2
659604.262328	4047698.133955	40,600		-109.216488	36.561394	11/2/2012	110513	1966.22	NMEA 0183	12	2	2
659590.208889	4047640.397296	40,600		-109.216657	36.560876	11/2/2012	110634	1968.13	NMEA 0183	12	2	2
659587.237798	4047644.191313	40,600		-109.216689	36.560910	11/2/2012	110909	1966.95	NMEA 0183	12	2	2
659555.700329	4047600.953570	40,600		-109.217050	36.560526	11/2/2012	111409	1966.25	NMEA 0183	12	2	2
659593.419426	4047834.871644	40,700		-109.216581	36.562627	10/27/2012	112951	1961.21	NMEA 0183	12	2	2
659583.324670	4047732.731733	40,700		-109.216715	36.561709	10/27/2012	115435	1964.54	NMEA 0183	12	2	2
659573.642256	4047665.467241	40,700		-109.216837	36.561104	11/1/2012	161643	1963.65	NMEA 0183	12	2	2
659574.289227	4047667.351084	40,700		-109.216829	36.561121	11/1/2012	161645	1963.64	NMEA 0183	12	2	2
659575.934216	4047667.718226	40,700		-109.216811	36.561124	11/1/2012	161902	1963.44	NMEA 0183	12	2	2
659567.549554	4047628.067183	40,700		-109.216913	36.560768	11/1/2012	161943	1964.53	NMEA 0183	12	2	2
659594.237187	4047672.443195	40,700		-109.216605	36.561164	11/1/2012	162528	1965.22	NMEA 0183	12	2	2
659628.583671	4047660.434242	40,700		-109.216224	36.561050	11/2/2012	104819	1972.83	NMEA 0183	12	2	2
659625.655746	4047686.996384	40,700		-109.216251	36.561290	11/2/2012	105207	1970.99	NMEA 0183	12	2	2
659607.864222	4047654.378872	40,700		-109.216457	36.560999	11/2/2012	105917	1969.84	NMEA 0183	12	2	2
659608.981090	4047673.001512	40,700		-109.216440	36.561166	11/2/2012	110048	1968.36	NMEA 0183	12	2	2
659607.819170	4047667.185008	40,700		-109.216455	36.561114	11/2/2012	110054	1968.62	NMEA 0183	12	2	2
659598.855967	4047649.804071	40,700		-109.216558	36.560959	11/2/2012	110342	1968.71	NMEA 0183	12	2	2
659594.308426	4047646.558675	40,700		-109.216610	36.560930	11/2/2012	110420	1967.99	NMEA 0183	12	2	2
659596.184833	4047651.826135	40,700		-109.216588	36.560978	11/2/2012	110427	1968.04	NMEA 0183	12	2	2
659590.039601	4047637.939672	40,700		-109.216659	36.560854	11/2/2012	110631	1968.50	NMEA 0183	12	2	2
659589.942918	4047638.727679	40,700		-109.216660	36.560861	11/2/2012	110632	1968.30	NMEA 0183	12	2	2
659574.364960	4047630.760883	40,700		-109.216836	36.560791	11/2/2012	111301	1965.95	NMEA 0183	12	2	2
659536.845906	4047591.194824	40,800		-109.217263	36.560441	10/27/2012	113602	1965.26	NMEA 0183	12	2	2
659569.900829	4047664.053163	40,800		-109.216879	36.561092	10/27/2012	115728	1964.48	NMEA 0183	12	2	2
659568.695239	4047634.680577	40,800		-109.216898	36.560828	11/1/2012	161935	1964.20	NMEA 0183	12	2	2
659579.468156	4047648.941390	40,800		-109.216775	36.560954	11/1/2012	162254	1964.39	NMEA 0183	12	2	2
659628.971558	4047664.057503	40,800		-109.216219	36.561082	11/2/2012	104823	1972.57	NMEA 0183	12	2	2
659648.712250	4047693.348565	40,900		-109.215992	36.561343	11/8/2012	093637	1970.18	NMEA 0183	12	2	2
659594.766151	4047834.343578	41,000		-109.216566	36.562622	10/27/2012	112937	1961.34	NMEA 0183	12	2	2
659555.607802	4047646.340383	41,000		-109.217042	36.560935	10/27/2012	114738	1964.22	NMEA 0183	12	2	2
659567.114387	4047681.869100	41,000		-109.216906	36.561253	10/27/2012	115005	1963.61	NMEA 0183	12	2	2
659564.148807	4047639.662457	41,000		-109.216948	36.560873	10/27/2012	115707	1965.05	NMEA 0183	12	2	2
659579.018748	4047646.461924	41,000		-109.216781	36.560932	11/1/2012	162257	1964.53	NMEA 0183	12	2	2
659593.692458	4047678.240990	41,000		-109.216610	36.561216	11/1/2012	162515	1964.86	NMEA 0183	12	2	2
659594.228529	4047672.346852	41,000		-109.216605	36.561163	11/1/2012	162551	1965.23	NMEA 0183	12	2	2
659626.530413	4047646.764235	41,000		-109.216250	36.560927	11/2/2012	104804	1973.65	NMEA 0183	12	2	2
659625.649309	4047655.491183	41,000		-109.216258	36.561006	11/2/2012	105004	1972.90	NMEA 0183	12	2	2
659623.763868	4047659.640114	41,000		-109.216278	36.561043	11/2/2012	105059	1972.35	NMEA 0183	12	2	2
659612.564397	4047666.046710	41,000		-109.216402	36.561103	11/2/2012	105730	1969.49	NMEA 0183	12	2	2
659600.253352	4047702.859435	41,000		-109.216532	36.561437	11/2/2012	110737	1965.53	NMEA 0183	12	2	2
659554.320319	4047599.009896	41,000		-109.217066	36.560509	11/2/2012	111406	1966.21	NMEA 0183	12	2	2
659560.248350	4047609.566632	41,000		-109.216998	36.560603	11/2/2012	111420	1965.91	NMEA 0183	12	2	2
659594.671872	4047834.358476	41,100		-109.216567	36.562623	10/27/2012	112939	1961.36	NMEA 0183	12	2	2
659593.160644	4047834.504313	41,100		-109.216584	36.562624	10/27/2012	112952	1961.18	NMEA 0183	12	2	2
659536.290866	4047588.778141	41,100		-109.217270	36.560420	10/27/2012	113600	1965.36	NMEA 0183	12	2	2
659583.785561	4047720.029490	41,100		-109.216712	36.561594	10/27/2012	115812	1964.59	NMEA 0183	12	2	2
659593.698937	4047644.423974	41,100		-109.216617	36.560911	11/2/2012	110620	1968.32	NMEA 0183	12	2	2
659640.338369	4047801.923027	41,100		-109.216063	36.562323	11/8/2012	095836	1967.30	NMEA 0183	12	2	2
659629.363684	4047641.391772	41,100		-109.216219	36.560878	11/8/2012	114348	1973.29	NMEA 0183	12	2	2
659594.719912	4047834.342721	41,200		-109.216566	36.562622	10/27/2012	112947	1961.35	NMEA 0183	12	2	2
659570.456915	4047666.412530	41,200		-109.216872	36.561113	10/27/2012	115730	1964.41	NMEA 0183	12	2	2
659594.247749	4047672.356457	41,300		-109.216605	36.561163	11/1/2012	162550	1965.24	NMEA 0183	12	2	2
659624.677722	4047665.636983	41,300		-109.216267	36.561097	11/2/2012	105105	1972.18	NMEA 0183	12	2	2
659625.202254	4047681.842246	41,300		-109.216257	36.561243							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659605.072851	4047681.224697	41,300		-109.216482	36.561241	11/2/2012	110309	1966.80	NMEA 0183	12	2	2
659592.968888	4047638.652476	41,300		-109.216626	36.560859	11/2/2012	110407	1968.81	NMEA 0183	12	2	2
659672.341782	4047781.231081	41,300		-109.215710	36.562131	11/8/2012	095528	1964.28	NMEA 0183	12	2	2
659569.623586	4047708.613465	41,400		-109.216873	36.561494	10/27/2012	114650	1963.16	NMEA 0183	12	2	2
659566.724368	4047678.922775	41,400		-109.216911	36.561227	10/27/2012	115002	1963.65	NMEA 0183	12	2	2
659569.460512	4047650.059802	41,400		-109.216887	36.560966	11/1/2012	161626	1963.89	NMEA 0183	12	2	2
659574.728383	4047670.222485	41,400		-109.216824	36.561147	11/1/2012	161648	1963.58	NMEA 0183	12	2	2
659583.882805	4047677.213764	41,400		-109.216720	36.561208	11/1/2012	162039	1964.09	NMEA 0183	12	2	2
659625.863532	4047656.410733	41,400		-109.216255	36.561014	11/2/2012	105003	1972.83	NMEA 0183	12	2	2
659572.921970	4047630.765567	41,400		-109.216852	36.560792	11/2/2012	111453	1965.73	NMEA 0183	12	2	2
659600.775875	4047639.452051	41,400		-109.216539	36.560865	11/2/2012	111544	1970.43	NMEA 0183	12	2	2
659626.216880	4047637.443583	41,400		-109.216255	36.560843	11/8/2012	114214	1973.20	NMEA 0183	12	2	2
659534.957414	4047592.693170	41,500		-109.217284	36.560455	10/27/2012	113533	1964.81	NMEA 0183	12	2	2
659564.451828	4047685.924096	41,500		-109.216935	36.561290	10/27/2012	114707	1963.20	NMEA 0183	12	2	2
659584.282009	4047734.856238	41,500		-109.216703	36.561728	10/27/2012	115433	1964.77	NMEA 0183	12	2	2
659573.378906	4047664.541232	41,500		-109.216840	36.561096	11/1/2012	161642	1963.63	NMEA 0183	12	2	2
659586.100495	4047686.445801	41,500		-109.216693	36.561291	11/1/2012	162048	1963.88	NMEA 0183	12	2	2
659586.422629	4047676.639386	41,500		-109.216692	36.561203	11/1/2012	162225	1964.23	NMEA 0183	12	2	2
659594.173236	4047672.351376	41,500		-109.216606	36.561163	11/1/2012	162542	1965.23	NMEA 0183	12	2	2
659627.902092	4047670.470744	41,500		-109.216230	36.561140	11/2/2012	104948	1972.07	NMEA 0183	12	2	2
659611.084938	4047675.820560	41,500		-109.216416	36.561191	11/2/2012	105941	1968.45	NMEA 0183	12	2	2
659607.574856	4047666.198313	41,500		-109.216458	36.561105	11/2/2012	110055	1968.70	NMEA 0183	12	2	2
659594.184592	4047643.500758	41,500		-109.216612	36.560903	11/2/2012	110416	1968.14	NMEA 0183	12	2	2
659596.679893	4047654.498812	41,500		-109.216582	36.561002	11/2/2012	110430	1967.84	NMEA 0183	12	2	2
659592.059194	4047652.221277	41,500		-109.216634	36.560982	11/2/2012	110647	1967.09	NMEA 0183	12	2	2
659535.112688	4047593.815086	41,600		-109.217282	36.560465	10/27/2012	113532	1964.75	NMEA 0183	12	2	2
659560.512862	4047622.339662	41,600		-109.216992	36.560718	10/27/2012	115654	1965.60	NMEA 0183	12	2	2
659622.923221	4047653.879508	41,600		-109.216289	36.560992	11/2/2012	105053	1972.73	NMEA 0183	12	2	2
659610.189278	4047667.153136	41,600		-109.216428	36.561113	11/2/2012	105932	1969.01	NMEA 0183	12	2	2
659610.322094	4047668.922015	41,600		-109.216426	36.561129	11/2/2012	105934	1968.79	NMEA 0183	12	2	2
659594.946412	4047647.961444	41,600		-109.216602	36.560943	11/2/2012	110422	1968.14	NMEA 0183	12	2	2
659604.250072	4047697.105323	41,600		-109.216488	36.561384	11/2/2012	110512	1966.09	NMEA 0183	12	2	2
659593.815557	4047645.215937	41,600		-109.216616	36.560918	11/2/2012	110619	1968.04	NMEA 0183	12	2	2
659594.733730	4047834.402166	41,700		-109.216566	36.562623	10/27/2012	112934	1961.34	NMEA 0183	12	2	2
659573.391807	4047725.317241	41,700		-109.216827	36.561644	10/27/2012	114637	1963.40	NMEA 0183	12	2	2
659575.613568	4047665.698012	41,700		-109.216815	36.561106	11/1/2012	161904	1963.56	NMEA 0183	12	2	2
659631.072009	4047690.625994	41,700		-109.216190	36.561321	11/2/2012	104926	1971.54	NMEA 0183	12	2	2
659590.088240	4047639.581213	41,700		-109.216658	36.560868	11/2/2012	110633	1968.22	NMEA 0183	12	2	2
659594.719089	4047834.387097	41,800		-109.216566	36.562623	10/27/2012	112944	1961.34	NMEA 0183	12	2	2
659551.446348	4047614.787748	41,800		-109.217095	36.560651	10/27/2012	114912	1965.49	NMEA 0183	12	2	2
659562.808343	4047657.634684	41,800		-109.216959	36.561036	10/27/2012	114946	1964.59	NMEA 0183	12	2	2
659552.013289	4047609.641440	41,800		-109.217090	36.560605	10/27/2012	115609	1965.75	NMEA 0183	12	2	2
659567.690986	4047628.728281	41,800		-109.216911	36.560774	11/1/2012	161942	1964.57	NMEA 0183	12	2	2
659554.934852	4047603.207045	41,900		-109.217059	36.560546	11/1/2012	161514	1965.21	NMEA 0183	12	2	2
659581.476379	4047688.054320	41,900		-109.216745	36.561307	11/1/2012	161839	1963.36	NMEA 0183	12	2	2
659577.277400	4047651.290508	41,900		-109.216799	36.560976	11/1/2012	162015	1964.07	NMEA 0183	12	2	2
659579.255985	4047648.071819	41,900		-109.216778	36.560947	11/1/2012	162255	1964.44	NMEA 0183	12	2	2
659625.127054	4047651.791444	41,900		-109.216264	36.560972	11/2/2012	105008	1973.12	NMEA 0183	12	2	2
659605.859767	4047659.313549	41,900		-109.216478	36.561043	11/2/2012	110106	1968.98	NMEA 0183	12	2	2
659601.903071	4047656.634004	41,900		-109.216523	36.561020	11/2/2012	110159	1968.67	NMEA 0183	12	2	2
659599.470495	4047671.537750	41,900		-109.216547	36.561155	11/2/2012	110549	1966.65	NMEA 0183	12	2	2
659588.945575	4047645.678660	41,900		-109.216670	36.560923	11/2/2012	110851	1967.01	NMEA 0183	12	2	2
659556.240989	4047601.570279	41,900		-109.217044	36.560531	11/2/2012	111410	1966.23	NMEA 0183	12	2	2
659594.730456	4047834.337367	42,000		-109.216566	36.562622	10/27/2012	112940	1961.35	NMEA 0183	12	2	2
659575.485956	4047664.613601	42,000		-109.216816	36.561096	11/1/2012	161905	1963.58	NMEA 0183	12	2	2
659568.458565	4047633.764312	42,000		-109.216901	36.560820	11/1/2012	161936	1964.24	NMEA 0183	12	2	2
659628.160374	4047657.674111	42,000		-109.216229	36.561025	11/2/2012	104816	1972.87	NMEA 0183	12	2	2
659608.181182	4047669.146803	42,000		-109.216450	36.561132	11/2/2012	110052	1968.52	NMEA 0183	12	2	2
659566.672923	4047618.612170	42,000		-109.216924	36.560683	11/2/2012	111434	1966.23	NMEA 0183	12	2	2
659568.555440	4047623.149124	42,000		-109.216902	36.560724	11/2/2012	111440	1966.27	NMEA 0183	12	2	2
659597.399821	4047687.846544	42,200		-109.216567	36.561302	11/2/2012	110809	1965.91	NMEA 0183	12	2	2
659590.433013	4047662.103386	42,200		-109.216650	36.561071	11/2/2012	110931	1966.70	NMEA 0183	12	2	2
659577.893647	4047636.647167	42,200		-109.216795	36.560844	11/2/2012	111254	1966.00	NMEA 0183	12	2	2
659547.605429	4047616.002037	42,300		-109.217138	36.560663	10/27/2012	114802	1965.39	NMEA 0183	12	2	2
659567.041811	4047680.713573	42,300		-109.216907	36.561243	10/27/2012	115004	1963.63	NMEA 0183	12	2	2
659581.797862	4047728.406681	42,300		-109.216733	36.561670	10/27/2012	115439	1964.45	NMEA 0183	12	2	2
659570.631098	4047631.351965	42,300		-109.216877	36.560797	11/1/2012	161952	1964.63	NMEA 0183	12	2	2
659595.060689	4047713.883215	42,300		-109.216587	36.561537	11/1/2012	162144	1964.78	NMEA 0183	12	2	2
659594.740263	4047670.902519	42,300		-109.216600	36.561150	11/2/2012	110826	1966.46	NMEA 0183	12	2	2
659589.450360	4047659.573338	42,300		-109.216661	36.561049	11/2/2012	110934	1966.73	NMEA 0183	12	2	2
659626.414746	4047638.601435	42,300		-109.216253	36.560853	11/8/2012	114215	1973.10	NMEA 0183	12	2	2
659594.753395	4047834.387733	42,400		-109.216566	36.562623	10/27/2012	112933	1961.36	NMEA 0183	12	2	2
659554.790445	4047641.333025	42,400		-109.217052	36.560890	10/27/2012	114742	1964.39	NMEA 0183	12	2	2
659558.879103	4047618.630416	42,400		-109.217011	36.560685	11/1/2012	161542	1964.50	NMEA 0183	12	2	2
659572.990946	4047662.610403	42,400		-109.216845	36.561079	11/1/2012	161640	1963.73	NMEA 0183	12	2	2
659577.383818	4047672.506106	42,400		-109.216793	36.561167	11/1/2012	161857	1963.46	NMEA 0183	12	2	2
659598.205815	4047699.257183	42,400		-109.216555	36.561405	11/1/2012	162452	1964.28	NMEA 0183	12	2	2
659627.390543	4047688.715447	42,400		-109.216232	36.561305	11/2/2012	105128	1971.29	NMEA 0183	12	2	2
659601.789023	4047655.864284	42,400		-109.216524	36.561013	11/2/2012	110158	1968.73	NMEA 0183	12	2	2
659587.328032	4047645.199195	42,400		-109.216688	36.560919</							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659587.948906	4047648.007380	42,400		-109.216681	36.560945	11/2/2012	110913	1966.76	NMEA 0183	12	2	2
659576.425663	4047678.551487	42,500		-109.216803	36.561222	11/1/2012	161657	1963.25	NMEA 0183	12	2	2
659625.361526	4047652.665129	42,500		-109.216262	36.560980	11/2/2012	105007	1973.09	NMEA 0183	12	2	2
659625.462928	4047672.857784	42,500		-109.216256	36.561162	11/2/2012	105112	1971.82	NMEA 0183	12	2	2
659610.252283	4047668.019940	42,500		-109.216427	36.561121	11/2/2012	105933	1968.86	NMEA 0183	12	2	2
659599.836142	4047654.881041	42,500		-109.216546	36.561005	11/2/2012	110336	1968.39	NMEA 0183	12	2	2
659602.403294	4047696.355253	42,500		-109.216509	36.561378	11/2/2012	110525	1965.83	NMEA 0183	12	2	2
659600.371193	4047678.727396	42,500		-109.216535	36.561219	11/2/2012	110542	1966.41	NMEA 0183	12	2	2
659589.715354	4047660.410595	42,500		-109.216658	36.561056	11/2/2012	110933	1966.73	NMEA 0183	12	2	2
659576.856209	4047634.898506	42,500		-109.216807	36.560828	11/2/2012	111256	1965.97	NMEA 0183	12	2	2
659630.392119	4047802.395122	42,500		-109.216174	36.562329	11/8/2012	095803	1968.05	NMEA 0183	12	2	2
659594.589594	4047834.369898	42,600		-109.216568	36.562623	10/27/2012	112938	1961.36	NMEA 0183	12	2	2
659580.964184	4047664.903861	42,600		-109.216755	36.561098	11/1/2012	162028	1963.89	NMEA 0183	12	2	2
659583.682260	4047676.039217	42,600		-109.216722	36.561198	11/1/2012	162038	1963.98	NMEA 0183	12	2	2
659585.795789	4047674.796608	42,600		-109.216699	36.561186	11/1/2012	162227	1964.28	NMEA 0183	12	2	2
659608.052769	4047668.186302	42,600		-109.216452	36.561123	11/2/2012	110053	1968.61	NMEA 0183	12	2	2
659605.746492	4047658.421767	42,600		-109.216480	36.561035	11/2/2012	110107	1969.13	NMEA 0183	12	2	2
659602.010998	4047657.009635	42,600		-109.216522	36.561023	11/2/2012	110200	1968.61	NMEA 0183	12	2	2
659600.271515	4047677.665698	42,600		-109.216537	36.561210	11/2/2012	110543	1966.44	NMEA 0183	12	2	2
659597.489676	4047688.874766	42,600		-109.216566	36.561311	11/2/2012	110808	1965.80	NMEA 0183	12	2	2
659590.479199	4047652.613693	42,600		-109.216651	36.560986	11/2/2012	110844	1966.92	NMEA 0183	12	2	2
659544.330929	4047602.923497	42,700		-109.217177	36.560546	10/27/2012	114812	1965.61	NMEA 0183	12	2	2
659556.389196	4047608.786657	42,700		-109.217041	36.560596	10/27/2012	115642	1966.02	NMEA 0183	12	2	2
659590.285805	4047672.241604	42,700		-109.216638	36.561658	11/1/2012	161755	1964.92	NMEA 0183	12	2	2
659570.100928	4047641.676122	42,700		-109.216881	36.560891	11/1/2012	161928	1964.01	NMEA 0183	12	2	2
659591.397364	4047687.422624	42,700		-109.216634	36.561299	11/1/2012	162401	1964.32	NMEA 0183	12	2	2
659623.836301	4047660.642118	42,700		-109.216277	36.561052	11/2/2012	105100	1972.28	NMEA 0183	12	2	2
659624.831886	4047678.722415	42,700		-109.216262	36.561215	11/2/2012	105215	1971.17	NMEA 0183	12	2	2
659610.428030	4047669.887647	42,700		-109.216425	36.561138	11/2/2012	105935	1968.70	NMEA 0183	12	2	2
659610.497409	4047671.858811	42,700		-109.216424	36.561156	11/2/2012	105937	1968.54	NMEA 0183	12	2	2
659601.969421	4047657.240070	42,700		-109.216522	36.561025	11/2/2012	110202	1968.57	NMEA 0183	12	2	2
659596.404167	4047653.596618	42,700		-109.216585	36.560994	11/2/2012	110429	1967.86	NMEA 0183	12	2	2
659595.903764	4047655.636748	42,700		-109.216590	36.561012	11/2/2012	110607	1967.70	NMEA 0183	12	2	2
659590.024838	4047650.642788	42,700		-109.216657	36.560968	11/2/2012	110846	1967.01	NMEA 0183	12	2	2
659576.422522	4047634.065520	42,700		-109.216812	36.560821	11/2/2012	111257	1965.95	NMEA 0183	12	2	2
659575.204088	4047716.180290	42,800		-109.216809	36.561561	10/27/2012	115031	1963.95	NMEA 0183	12	2	2
659577.045904	4047727.313417	42,800		-109.216795	36.561247	11/1/2012	161700	1963.20	NMEA 0183	12	2	2
659570.785313	4047643.634644	42,800		-109.216873	36.560908	11/1/2012	161926	1964.03	NMEA 0183	12	2	2
659626.580138	4047661.055550	42,800		-109.216246	36.561056	11/2/2012	104958	1972.58	NMEA 0183	12	2	2
659623.618089	4047658.570162	42,800		-109.216280	36.561034	11/2/2012	105058	1972.43	NMEA 0183	12	2	2
659602.031453	4047656.952675	42,800		-109.216521	36.561023	11/2/2012	110201	1968.70	NMEA 0183	12	2	2
659600.228727	4047656.884095	42,800		-109.216542	36.561023	11/2/2012	110334	1968.29	NMEA 0183	12	2	2
659604.451589	4047698.951311	42,800		-109.216486	36.561401	11/2/2012	110514	1966.18	NMEA 0183	12	2	2
659600.212779	4047676.649151	42,800		-109.216538	36.561201	11/2/2012	110544	1966.50	NMEA 0183	12	2	2
659589.710896	4047648.824310	42,800		-109.216661	36.560952	11/2/2012	110848	1966.92	NMEA 0183	12	2	2
659590.802712	4047662.846403	42,800		-109.216646	36.561078	11/2/2012	110930	1966.72	NMEA 0183	12	2	2
659566.976309	4047619.390949	42,800		-109.216921	36.560690	11/2/2012	111435	1966.23	NMEA 0183	12	2	2
659626.858826	4047641.206581	42,800		-109.216247	36.560877	11/8/2012	114217	1972.97	NMEA 0183	12	2	2
659538.084812	4047595.840065	42,900		-109.217248	36.560483	10/27/2012	113606	1964.79	NMEA 0183	12	2	2
659552.392615	4047610.911784	42,900		-109.217085	36.560616	10/27/2012	115608	1965.72	NMEA 0183	12	2	2
659580.790933	4047663.866694	42,900		-109.216757	36.561089	11/1/2012	162027	1964.00	NMEA 0183	12	2	2
659628.803576	4047663.138810	42,900		-109.216221	36.561074	11/2/2012	104822	1972.64	NMEA 0183	12	2	2
659646.152837	4047690.796652	42,900		-109.216022	36.561320	11/8/2012	093624	1970.39	NMEA 0183	12	2	2
659552.742193	4047612.257411	43,000		-109.217081	36.560628	10/27/2012	115607	1965.63	NMEA 0183	12	2	2
659574.368661	4047668.297728	43,000		-109.216828	36.561130	11/1/2012	161646	1963.60	NMEA 0183	12	2	2
659575.295714	4047663.607563	43,000		-109.216819	36.561087	11/1/2012	161906	1963.65	NMEA 0183	12	2	2
659587.348940	4047676.162317	43,000		-109.216683	36.561117	11/1/2012	162334	1964.30	NMEA 0183	12	2	2
659631.039012	4047678.972589	43,000		-109.216193	36.561216	11/2/2012	104839	1971.79	NMEA 0183	12	2	2
659628.512180	4047674.020442	43,000		-109.216222	36.561172	11/2/2012	104944	1971.87	NMEA 0183	12	2	2
659608.732936	4047672.060987	43,000		-109.216443	36.561158	11/2/2012	110049	1968.39	NMEA 0183	12	2	2
659569.719474	4047651.061565	43,100		-109.216884	36.560975	11/1/2012	161627	1963.89	NMEA 0183	12	2	2
659623.506359	4047657.595173	43,100		-109.216281	36.561025	11/2/2012	105057	1972.50	NMEA 0183	12	2	2
659547.874785	4047617.248145	43,200		-109.217135	36.560674	10/27/2012	114801	1965.32	NMEA 0183	12	2	2
659556.417692	4047609.020241	43,200		-109.217041	36.560599	11/1/2012	161531	1964.90	NMEA 0183	12	2	2
659568.549723	4047646.228936	43,200		-109.216898	36.560932	11/1/2012	161622	1963.95	NMEA 0183	12	2	2
659585.743776	4047685.405231	43,200		-109.216697	36.561282	11/1/2012	162047	1963.89	NMEA 0183	12	2	2
659628.699562	4047662.230552	43,200		-109.216222	36.561066	11/2/2012	104821	1972.71	NMEA 0183	12	2	2
659595.541530	4047674.925571	43,200		-109.216590	36.561186	11/2/2012	110822	1966.15	NMEA 0183	12	2	2
659594.926474	4047671.884437	43,200		-109.216598	36.561159	11/2/2012	110825	1966.32	NMEA 0183	12	2	2
659594.615688	4047669.895849	43,200		-109.216602	36.561141	11/2/2012	110827	1966.47	NMEA 0183	12	2	2
659589.437029	4047654.016744	43,200		-109.216663	36.560998	11/2/2012	110919	1966.84	NMEA 0183	12	2	2
659545.653295	4047608.378583	43,300		-109.217161	36.560595	10/27/2012	114808	1965.58	NMEA 0183	12	2	2
659570.585865	4047667.585749	43,300		-109.216870	36.561124	10/27/2012	115731	1964.45	NMEA 0183	12	2	2
659555.406235	4047606.030951	43,300		-109.217053	36.560572	11/1/2012	161522	1965.05	NMEA 0183	12	2	2
659628.393044	4047673.123001	43,300		-109.216224	36.561164	11/2/2012	104945	1971.93	NMEA 0183	12	2	2
659624.314703	4047663.649274	43,300		-109.216271	36.561079	11/2/2012	105103	1972.18	NMEA 0183	12	2	2
659606.031472	4047660.112083	43,300		-109.216476	36.561051	11/2/2012	110105	1968.90	NMEA 0183	12	2	2
659600.289212	4047657.806342	43,300		-109.216541	36.561031	11/2/2012	110333	1968.21	NMEA 0183	12	2	2
659595.064996	4047668.840634	43,300		-109.216597	36.561131	11/2/2012	110704	1966.52	NMEA 0183	12	2	2
659587.682609	4047647.079466	43,300		-109.216684	36.560936	11/2/						



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659553.151128	4047613.620786	43,400		-109.217076	36.560641	10/27/2012	115606	1965.72	NMEA 0183	12	2	2
659575.690549	4047666.696401	43,400		-109.216814	36.561115	11/1/2012	161903	1963.51	NMEA 0183	12	2	2
659588.827703	4047644.712806	43,400		-109.216671	36.560915	11/2/2012	110852	1967.06	NMEA 0183	12	2	2
659555.020716	4047603.404700	43,500		-109.217058	36.560548	11/1/2012	161517	1965.23	NMEA 0183	12	2	2
659568.823511	4047628.085259	43,500		-109.216898	36.560768	11/1/2012	161946	1964.58	NMEA 0183	12	2	2
659581.190156	4047666.075180	43,500		-109.216752	36.561109	11/1/2012	162029	1963.87	NMEA 0183	12	2	2
659582.993670	4047663.848357	43,500		-109.216733	36.561088	11/1/2012	162238	1964.27	NMEA 0183	12	2	2
659595.277833	4047669.754609	43,500		-109.216594	36.561139	11/2/2012	110705	1966.48	NMEA 0183	12	2	2
659594.736319	4047834.343025	43,600		-109.216566	36.562622	10/27/2012	112943	1961.35	NMEA 0183	12	2	2
659563.095406	4047658.971754	43,600		-109.216956	36.561048	10/27/2012	114947	1964.68	NMEA 0183	12	2	2
659594.103696	4047680.203697	43,600		-109.216605	36.561234	11/1/2012	162513	1964.83	NMEA 0183	12	2	2
659608.514219	4047671.061818	43,600		-109.216446	36.561149	11/2/2012	110050	1968.46	NMEA 0183	12	2	2
659596.994871	4047681.200642	43,600		-109.216573	36.561242	11/2/2012	110716	1966.08	NMEA 0183	12	2	2
659568.126444	4047631.960294	43,700		-109.216905	36.560803	11/1/2012	161938	1964.34	NMEA 0183	12	2	2
659604.557004	4047677.018274	43,700		-109.216489	36.561203	11/2/2012	110313	1966.89	NMEA 0183	12	2	2
659595.651720	4047675.983764	43,700		-109.216589	36.561195	11/2/2012	110821	1966.15	NMEA 0183	12	2	2
659558.540951	4047606.368373	43,700		-109.217018	36.560574	11/2/2012	111416	1965.91	NMEA 0183	12	2	2
659562.158692	4047654.929548	43,800		-109.216967	36.561011	10/27/2012	114944	1964.66	NMEA 0183	12	2	2
659624.893993	4047649.876432	43,800		-109.216267	36.560955	11/2/2012	105010	1973.19	NMEA 0183	12	2	2
659595.889581	4047672.732793	43,800		-109.216587	36.561166	11/2/2012	110708	1966.19	NMEA 0183	12	2	2
659596.158943	4047674.863036	43,800		-109.216583	36.561185	11/2/2012	110710	1966.04	NMEA 0183	12	2	2
659590.251736	4047651.603265	43,800		-109.216654	36.560977	11/2/2012	110845	1966.96	NMEA 0183	12	2	2
659647.771617	4047693.621507	43,800		-109.216003	36.561346	11/8/2012	093636	1970.23	NMEA 0183	12	2	2
659577.759930	4047673.547035	43,900		-109.216789	36.561176	11/1/2012	161856	1963.53	NMEA 0183	12	2	2
659586.811460	4047665.650433	43,900		-109.216690	36.561104	11/1/2012	162332	1964.34	NMEA 0183	12	2	2
659594.288364	4047681.107901	43,900		-109.216603	36.561242	11/1/2012	162512	1964.89	NMEA 0183	12	2	2
659628.017885	4047671.307084	43,900		-109.216228	36.561148	11/2/2012	104947	1971.99	NMEA 0183	12	2	2
659597.864834	4047686.427240	43,900		-109.216562	36.561289	11/2/2012	110721	1965.97	NMEA 0183	12	2	2
659537.487528	4047593.448493	44,000		-109.217255	36.560461	10/27/2012	113604	1964.94	NMEA 0183	12	2	2
659537.856431	4047594.637258	44,000		-109.217251	36.560472	10/27/2012	113605	1964.86	NMEA 0183	12	2	2
659569.959149	4047709.990278	44,000		-109.216869	36.561506	10/27/2012	114649	1963.27	NMEA 0183	12	2	2
659581.005870	4047651.794321	44,000		-109.216757	36.560980	11/1/2012	162314	1964.39	NMEA 0183	12	2	2
659592.199507	4047653.988444	44,000		-109.216632	36.560998	11/2/2012	110649	1966.90	NMEA 0183	12	2	2
659600.173956	4047702.071862	44,000		-109.216533	36.561430	11/2/2012	110736	1965.63	NMEA 0183	12	2	2
659597.255205	4047686.874646	44,000		-109.216569	36.561293	11/2/2012	110810	1965.91	NMEA 0183	12	2	2
659627.031008	4047642.461988	44,000		-109.216245	36.560888	11/8/2012	114218	1972.87	NMEA 0183	12	2	2
659536.519302	4047600.279790	44,100		-109.217265	36.560523	10/27/2012	113526	1964.31	NMEA 0183	12	2	2
659583.849494	4047733.799466	44,100		-109.216709	36.561718	10/27/2012	115434	1964.73	NMEA 0183	12	2	2
659555.080348	4047603.729494	44,100		-109.217057	36.560551	11/1/2012	161518	1965.15	NMEA 0183	12	2	2
659560.080716	4047622.067149	44,100		-109.216997	36.560716	11/1/2012	161546	1964.35	NMEA 0183	12	2	2
659572.637893	4047661.693828	44,100		-109.216849	36.561070	11/1/2012	161639	1963.73	NMEA 0183	12	2	2
659602.468425	4047697.429258	44,100		-109.216508	36.561387	11/2/2012	110524	1965.74	NMEA 0183	12	2	2
659582.755457	4047662.854376	44,200		-109.216735	36.561079	11/1/2012	162239	1964.29	NMEA 0183	12	2	2
659602.020167	4047658.204678	44,200		-109.216521	36.561034	11/2/2012	110203	1968.54	NMEA 0183	12	2	2
659604.278314	4047696.145878	44,200		-109.216488	36.561376	11/2/2012	110511	1966.14	NMEA 0183	12	2	2
659535.239945	4047594.838451	44,300		-109.217280	36.560474	10/27/2012	113531	1964.58	NMEA 0183	12	2	2
659570.982003	4047644.614906	44,300		-109.216871	36.560917	11/1/2012	161925	1963.98	NMEA 0183	12	2	2
659628.189400	4047672.196248	44,300		-109.216226	36.561156	11/2/2012	104946	1971.95	NMEA 0183	12	2	2
659623.215124	4047655.840002	44,300		-109.216285	36.561009	11/2/2012	105055	1972.55	NMEA 0183	12	2	2
659596.285369	4047675.930779	44,300		-109.216582	36.561195	11/2/2012	110711	1966.02	NMEA 0183	12	2	2
659589.645804	4047655.069368	44,300		-109.216660	36.561008	11/2/2012	110920	1966.80	NMEA 0183	12	2	2
659590.036481	4047661.278487	44,300		-109.216654	36.561064	11/2/2012	110932	1966.78	NMEA 0183	12	2	2
659574.928060	4047631.535231	44,300		-109.216829	36.560798	11/2/2012	111300	1965.85	NMEA 0183	12	2	2
659555.205566	4047600.195288	44,300		-109.217056	36.560519	11/2/2012	111408	1966.23	NMEA 0183	12	2	2
659568.956911	4047672.871432	44,400		-109.216888	36.561172	10/27/2012	115521	1963.82	NMEA 0183	12	2	2
659577.138470	4047682.195567	44,400		-109.216794	36.561254	11/1/2012	161701	1963.15	NMEA 0183	12	2	2
659593.544927	4047677.265338	44,400		-109.216612	36.561207	11/1/2012	162516	1964.80	NMEA 0183	12	2	2
659630.458209	4047686.230938	44,400		-109.216198	36.561282	11/2/2012	104931	1971.50	NMEA 0183	12	2	2
659624.444692	4047676.750904	44,400		-109.216267	36.561197	11/2/2012	105217	1971.20	NMEA 0183	12	2	2
659614.271355	4047660.579366	44,400		-109.216384	36.561053	11/2/2012	105610	1970.52	NMEA 0183	12	2	2
659554.769886	4047599.469546	44,400		-109.217061	36.560513	11/2/2012	111407	1966.20	NMEA 0183	12	2	2
659646.729435	4047693.818580	44,400		-109.216014	36.561348	11/8/2012	093635	1970.38	NMEA 0183	12	2	2
659587.790025	4047727.051042	44,500		-109.216666	36.561657	11/1/2012	161748	1964.17	NMEA 0183	12	2	2
659624.979319	4047650.826885	44,500		-109.216266	36.560964	11/2/2012	105009	1973.14	NMEA 0183	12	2	2
659590.729208	4047653.615291	44,500		-109.216648	36.560995	11/2/2012	110843	1966.94	NMEA 0183	12	2	2
659627.218450	4047643.538262	44,500		-109.216243	36.560898	11/8/2012	114219	1972.80	NMEA 0183	12	2	2
659565.846670	4047673.629450	44,600		-109.216922	36.561179	10/27/2012	114958	1963.69	NMEA 0183	12	2	2
659604.941712	4047680.169814	44,600		-109.216484	36.561232	11/2/2012	110310	1966.86	NMEA 0183	12	2	2
659569.248962	4047674.019931	44,700		-109.216884	36.561182	10/27/2012	115520	1963.66	NMEA 0183	12	2	2
659555.636171	4047606.586410	44,700		-109.217050	36.560577	11/1/2012	161523	1965.10	NMEA 0183	12	2	2
659568.061120	4047631.137839	44,700		-109.216906	36.560796	11/1/2012	161939	1964.35	NMEA 0183	12	2	2
659631.265401	4047680.844935	44,700		-109.216190	36.561233	11/2/2012	104841	1971.74	NMEA 0183	12	2	2
659600.857111	4047669.906183	44,700		-109.216532	36.561140	11/2/2012	110446	1966.71	NMEA 0183	12	2	2
659601.915754	4047692.151206	44,700		-109.216515	36.561340	11/2/2012	110529	1965.98	NMEA 0183	12	2	2
659594.383186	4047668.835387	44,700		-109.216604	36.561131	11/2/2012	110828	1966.64	NMEA 0183	12	2	2
659550.521831	4047611.052813	44,800		-109.217106	36.560618	10/27/2012	114909	1965.61	NMEA 0183	12	2	2
659569.485933	4047662.850596	44,800		-109.216884	36.561081	10/27/2012	115727	1964.52	NMEA 0183	12	2	2
659624.644118	4047677.744166	44,800		-109.216264	36.561206	11/2/2012	105216	1971.19	NMEA 0183	12	2	2
659597.264762	4047656.190991	44,800		-109.216575	36.561017	11/2/2012	110432	1967.77	NMEA 0183	12	2	2
659567.855428	4047630.240644	44,900		-109.216909	36.560788							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659633.447972	4047690.921625	44,900		-109.216163	36.561324	11/8/2012	114255	1971.07	NMEA 0183	12	2	2
659561.791852	4047653.629841	45,000		-109.216972	36.561000	10/27/2012	114943	1964.74	NMEA 0183	12	2	2
659585.343636	4047728.461344	45,000		-109.216693	36.561670	10/27/2012	115819	1965.06	NMEA 0183	12	2	2
659581.694652	4047689.077525	45,000		-109.216742	36.561316	11/1/2012	161838	1963.42	NMEA 0183	12	2	2
659572.259527	4047650.394704	45,000		-109.216855	36.560969	11/1/2012	161919	1963.92	NMEA 0183	12	2	2
659604.682366	4047677.982417	45,000		-109.216487	36.561212	11/2/2012	110312	1966.89	NMEA 0183	12	2	2
659591.007253	4047663.081403	45,000		-109.216643	36.561080	11/2/2012	110929	1966.75	NMEA 0183	12	2	2
659631.943938	4047642.821328	45,000		-109.216190	36.560890	11/8/2012	114408	1972.99	NMEA 0183	12	2	2
659564.140729	4047684.595828	45,100		-109.216939	36.561278	10/27/2012	114708	1963.25	NMEA 0183	12	2	2
659563.459479	4047679.169273	45,100		-109.216948	36.561229	10/27/2012	114712	1963.19	NMEA 0183	12	2	2
659561.431390	4047652.468976	45,100		-109.216976	36.560989	10/27/2012	114942	1964.80	NMEA 0183	12	2	2
659585.453191	4047729.795123	45,100		-109.216691	36.561682	10/27/2012	115820	1964.83	NMEA 0183	12	2	2
659576.618631	4047679.490988	45,100		-109.216801	36.561230	11/1/2012	161658	1963.20	NMEA 0183	12	2	2
659590.696403	4047678.313048	45,100		-109.216644	36.561217	11/1/2012	162350	1964.37	NMEA 0183	12	2	2
659590.906452	4047685.491733	45,100		-109.216640	36.561282	11/1/2012	162359	1964.29	NMEA 0183	12	2	2
659595.534219	4047670.734130	45,100		-109.216591	36.561148	11/2/2012	110706	1966.36	NMEA 0183	12	2	2
659555.879532	4047695.232230	45,100		-109.217050	36.560474	11/2/2012	111348	1966.29	NMEA 0183	12	2	2
659558.437327	4047657.583225	45,200		-109.217008	36.561036	10/27/2012	114729	1964.10	NMEA 0183	12	2	2
659582.932712	4047693.042088	45,200		-109.216727	36.561351	11/1/2012	161834	1963.42	NMEA 0183	12	2	2
659594.191145	4047667.845962	45,200		-109.216607	36.561122	11/2/2012	110829	1966.73	NMEA 0183	12	2	2
659556.652186	4047602.328861	45,200		-109.217040	36.560538	11/2/2012	111411	1966.16	NMEA 0183	12	2	2
659594.744189	4047834.320975	45,300		-109.216566	36.562622	10/27/2012	112942	1961.34	NMEA 0183	12	2	2
659588.678138	4047686.728513	45,300		-109.216664	36.561293	11/1/2012	162214	1964.26	NMEA 0183	12	2	2
659591.171188	4047686.423317	45,300		-109.216637	36.561290	11/1/2012	162400	1964.31	NMEA 0183	12	2	2
659628.398098	4047659.498576	45,300		-109.216226	36.561041	11/2/2012	104818	1972.78	NMEA 0183	12	2	2
659603.953335	4047673.846026	45,300		-109.216496	36.561175	11/2/2012	110316	1966.96	NMEA 0183	12	2	2
659596.400735	4047677.031610	45,300		-109.216580	36.561205	11/2/2012	110712	1966.04	NMEA 0183	12	2	2
659573.965824	4047638.283402	45,400		-109.216839	36.560859	11/1/2012	162002	1964.28	NMEA 0183	12	2	2
659585.271928	4047683.250887	45,400		-109.216703	36.561263	11/1/2012	162045	1964.09	NMEA 0183	12	2	2
659625.598435	4047685.983562	45,400		-109.216252	36.561280	11/2/2012	105208	1971.02	NMEA 0183	12	2	2
659597.524114	4047657.091031	45,400		-109.216572	36.561025	11/2/2012	110433	1967.72	NMEA 0183	12	2	2
659582.820608	4047731.751318	45,500		-109.216720	36.561700	10/27/2012	115436	1964.53	NMEA 0183	12	2	2
659568.241420	4047632.841010	45,500		-109.216904	36.560811	11/1/2012	161937	1964.29	NMEA 0183	12	2	2
659586.558021	4047664.672818	45,500		-109.216693	36.561095	11/1/2012	162331	1964.38	NMEA 0183	12	2	2
659596.024922	4047673.802551	45,500		-109.216585	36.561176	11/2/2012	110709	1966.11	NMEA 0183	12	2	2
659560.331885	4047603.532777	45,500		-109.216998	36.560548	11/2/2012	111337	1966.21	NMEA 0183	12	2	2
659580.525373	4047662.818567	45,600		-109.216760	36.561079	11/1/2012	162026	1964.01	NMEA 0183	12	2	2
659629.294934	4047677.673224	45,600		-109.216213	36.561205	11/2/2012	104940	1971.67	NMEA 0183	12	2	2
659625.555660	4047673.891609	45,600		-109.216255	36.561172	11/2/2012	105113	1971.80	NMEA 0183	12	2	2
659576.185335	4047634.786184	45,600		-109.216815	36.560827	11/2/2012	111507	1966.01	NMEA 0183	12	2	2
659548.900894	4047603.835023	45,700		-109.217126	36.560553	10/27/2012	114903	1965.85	NMEA 0183	12	2	2
659553.998070	4047603.191525	45,700		-109.217069	36.560546	10/27/2012	115637	1966.20	NMEA 0183	12	2	2
659569.198905	4047661.672596	45,700		-109.216887	36.561071	10/27/2012	115726	1964.55	NMEA 0183	12	2	2
659572.302739	4047660.777585	45,700		-109.216853	36.561062	11/1/2012	161638	1963.80	NMEA 0183	12	2	2
659576.930724	4047650.190936	45,700		-109.216803	36.560966	11/1/2012	162014	1964.11	NMEA 0183	12	2	2
659591.211524	4047680.386810	45,700		-109.216637	36.561236	11/1/2012	162353	1964.44	NMEA 0183	12	2	2
659588.864496	4047657.934781	45,700		-109.216668	36.561034	11/2/2012	110936	1966.75	NMEA 0183	12	2	2
659550.418134	4047600.711354	45,800		-109.217110	36.560525	10/27/2012	115616	1966.02	NMEA 0183	12	2	2
659555.186757	4047605.394301	45,800		-109.217055	36.560566	11/1/2012	161521	1965.10	NMEA 0183	12	2	2
659627.371707	4047687.719986	45,800		-109.216232	36.561296	11/2/2012	105127	1971.29	NMEA 0183	12	2	2
659575.553054	4047632.351418	45,800		-109.216822	36.560806	11/2/2012	111259	1965.86	NMEA 0183	12	2	2
659585.648316	4047730.939976	45,900		-109.216689	36.561692	10/27/2012	115821	1965.02	NMEA 0183	12	2	2
659629.135096	4047676.717689	45,900		-109.216215	36.561196	11/2/2012	104941	1971.74	NMEA 0183	12	2	2
659576.054414	4047633.156065	45,900		-109.216816	36.560813	11/2/2012	111258	1965.94	NMEA 0183	12	2	2
659563.893811	4047652.448051	46,000		-109.216948	36.560989	10/27/2012	115536	1964.54	NMEA 0183	12	2	2
659579.868414	4047681.748639	46,000		-109.216764	36.561250	11/1/2012	161846	1963.49	NMEA 0183	12	2	2
659626.100851	4047677.963554	46,000		-109.216248	36.561208	11/2/2012	105117	1971.62	NMEA 0183	12	2	2
659625.543646	4047684.915298	46,000		-109.216253	36.561271	11/2/2012	105209	1971.00	NMEA 0183	12	2	2
659550.895035	4047612.250906	46,100		-109.217102	36.560629	10/27/2012	114910	1965.55	NMEA 0183	12	2	2
659570.435294	4047642.634892	46,100		-109.216877	36.560899	11/1/2012	161927	1964.00	NMEA 0183	12	2	2
659604.180728	4047695.132310	46,100		-109.216489	36.561366	11/2/2012	110510	1966.16	NMEA 0183	12	2	2
659597.055296	4047685.907270	46,100		-109.216571	36.561285	11/2/2012	110811	1966.05	NMEA 0183	12	2	2
659551.726437	4047616.098794	46,200		-109.217092	36.560663	10/27/2012	114913	1965.46	NMEA 0183	12	2	2
659560.150032	4047621.145459	46,200		-109.216997	36.560707	10/27/2012	115653	1965.71	NMEA 0183	12	2	2
659576.591027	4047649.117389	46,200		-109.216807	36.560956	11/1/2012	162013	1964.12	NMEA 0183	12	2	2
659583.145627	4047664.746405	46,200		-109.216731	36.561096	11/1/2012	162237	1964.30	NMEA 0183	12	2	2
659590.646419	4047681.893042	46,200		-109.216643	36.561249	11/1/2012	162355	1964.36	NMEA 0183	12	2	2
659623.993722	4047661.647548	46,200		-109.216275	36.561061	11/2/2012	105101	1972.30	NMEA 0183	12	2	2
659600.182863	4047675.607244	46,200		-109.216538	36.561191	11/2/2012	110545	1966.47	NMEA 0183	12	2	2
659599.399570	4047694.588614	46,200		-109.216543	36.561362	11/2/2012	110729	1965.27	NMEA 0183	12	2	2
659558.826096	4047658.746465	46,300		-109.217004	36.561046	10/27/2012	114728	1964.15	NMEA 0183	12	2	2
659578.615424	4047655.497378	46,300		-109.216783	36.561014	11/1/2012	162019	1964.11	NMEA 0183	12	2	2
659553.522258	4047615.011205	46,400		-109.217072	36.560653	10/27/2012	115605	1965.61	NMEA 0183	12	2	2
659554.983241	4047604.781993	46,400		-109.217058	36.560561	11/1/2012	161520	1965.15	NMEA 0183	12	2	2
659567.620332	4047629.400243	46,400		-109.216911	36.560780	11/1/2012	161941	1964.48	NMEA 0183	12	2	2
659628.099720	4047656.761108	46,400		-109.216230	36.561017	11/2/2012	104815	1973.02	NMEA 0183	12	2	2
659587.510867	4047646.121862	46,400		-109.216686	36.560928	11/2/2012	110911	1966.75	NMEA 0183	12	2	2
659590.868739	4047662.424058	46,400		-109.216645	36.561074	11/2/2012	110928	1966.73	NMEA 0183	12	2	2
659563.059343	4047676.446568	46,500		-109.216953	36.561205	10/27/2012	114714	1963.02	NMEA 0183	12	2	2
659544.924937	4047605.733029	46,500		-109.217170	36.56057							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659570.195117	4047711.346748	46,600		-109.216866	36.561518	10/27/2012	114648	1963.27	NMEA 0183	12	2	2
659557.074123	4047652.641581	46,600		-109.217024	36.560992	10/27/2012	114733	1963.94	NMEA 0183	12	2	2
659585.081114	4047727.169119	46,600		-109.216696	36.561658	10/27/2012	115818	1964.94	NMEA 0183	12	2	2
659581.504648	4047667.220396	46,600		-109.216749	36.561119	11/1/2012	162030	1963.95	NMEA 0183	12	2	2
659627.526219	4047653.169548	46,600		-109.216237	36.560984	11/2/2012	104811	1973.21	NMEA 0183	12	2	2
659596.427989	4047680.067390	46,600		-109.216579	36.561232	11/2/2012	110817	1966.14	NMEA 0183	12	2	2
659538.300111	4047597.024132	46,700		-109.217246	36.560493	10/27/2012	113607	1964.70	NMEA 0183	12	2	2
659585.857243	4047732.064738	46,700		-109.216686	36.561702	10/27/2012	115822	1965.08	NMEA 0183	12	2	2
659577.979627	4047674.573965	46,700		-109.216786	36.561186	11/1/2012	161855	1963.59	NMEA 0183	12	2	2
659579.033268	4047657.345528	46,700		-109.216778	36.561030	11/1/2012	162021	1964.04	NMEA 0183	12	2	2
659624.124191	4047662.658027	46,700		-109.216273	36.561071	11/2/2012	105102	1972.22	NMEA 0183	12	2	2
659595.987619	4047656.505789	46,700		-109.216589	36.561020	11/2/2012	110606	1967.65	NMEA 0183	12	2	2
659633.639637	4047693.459201	46,700		-109.216161	36.561346	11/8/2012	114257	1970.99	NMEA 0183	12	2	2
659574.027504	4047656.762539	46,800		-109.216834	36.561026	11/1/2012	161913	1963.92	NMEA 0183	12	2	2
659570.384175	4047712.657956	46,900		-109.216863	36.561530	10/27/2012	114647	1963.27	NMEA 0183	12	2	2
659561.145201	4047651.165216	46,900		-109.216979	36.560978	10/27/2012	114941	1964.74	NMEA 0183	12	2	2
659555.084276	4047604.241920	46,900		-109.217057	36.560556	11/1/2012	161519	1965.16	NMEA 0183	12	2	2
659584.100735	4047678.255459	46,900		-109.216717	36.561218	11/1/2012	162040	1964.27	NMEA 0183	12	2	2
659591.552850	4047679.682876	46,900		-109.216634	36.561229	11/1/2012	162352	1964.50	NMEA 0183	12	2	2
659627.801817	4047654.963271	46,900		-109.216234	36.561001	11/2/2012	104813	1973.16	NMEA 0183	12	2	2
659604.351043	4047675.974951	46,900		-109.216492	36.561194	11/2/2012	110314	1966.85	NMEA 0183	12	2	2
659554.972921	4047605.499466	47,000		-109.217058	36.560567	10/27/2012	115639	1966.16	NMEA 0183	12	2	2
659585.558944	4047661.258333	47,000		-109.216704	36.561064	11/1/2012	162326	1964.48	NMEA 0183	12	2	2
659597.840183	4047657.990274	47,100		-109.216568	36.561033	11/2/2012	110434	1967.68	NMEA 0183	12	2	2
659602.163271	4047677.519521	47,100		-109.216516	36.561208	11/2/2012	110453	1966.49	NMEA 0183	12	2	2
659564.998307	4047656.615445	47,200		-109.216935	36.561026	10/27/2012	115533	1964.46	NMEA 0183	12	2	2
659564.311211	4047653.837478	47,200		-109.216943	36.561001	10/27/2012	115535	1964.61	NMEA 0183	12	2	2
659600.046168	4047674.530062	47,200		-109.216540	36.561182	11/2/2012	110546	1966.54	NMEA 0183	12	2	2
659582.223314	4047729.522511	47,300		-109.216728	36.561680	10/27/2012	115438	1964.48	NMEA 0183	12	2	2
659555.987034	4047607.621320	47,300		-109.217046	36.560586	10/27/2012	115641	1966.15	NMEA 0183	12	2	2
659604.141088	4047674.905659	47,300		-109.216494	36.561184	11/2/2012	110315	1966.89	NMEA 0183	12	2	2
659575.705184	4047634.044819	47,300		-109.216820	36.560821	11/2/2012	111506	1965.96	NMEA 0183	12	2	2
659554.445549	4047639.976386	47,400		-109.217056	36.560878	10/27/2012	114743	1964.33	NMEA 0183	12	2	2
659565.402417	4047643.594012	47,400		-109.216933	36.560909	10/27/2012	115710	1964.94	NMEA 0183	12	2	2
659626.209837	4047678.925544	47,400		-109.216247	36.561217	11/2/2012	105118	1971.72	NMEA 0183	12	2	2
659602.253270	4047658.991403	47,400		-109.216518	36.561041	11/2/2012	110204	1968.42	NMEA 0183	12	2	2
659594.813839	4047667.981438	47,400		-109.216600	36.561123	11/2/2012	110703	1966.58	NMEA 0183	12	2	2
659633.367536	4047689.627228	47,400		-109.216165	36.561312	11/8/2012	114254	1971.09	NMEA 0183	12	2	2
659587.478471	4047680.613518	47,500		-109.216679	36.561238	11/1/2012	162221	1964.45	NMEA 0183	12	2	2
659585.018822	4047660.532501	47,500		-109.216711	36.561058	11/1/2012	162325	1964.49	NMEA 0183	12	2	2
659593.257662	4047676.261200	47,500		-109.216615	36.561198	11/1/2012	162517	1964.81	NMEA 0183	12	2	2
659629.381545	4047678.634799	47,500		-109.216211	36.561214	11/2/2012	104939	1971.70	NMEA 0183	12	2	2
659558.068841	4047656.372271	47,600		-109.217013	36.561025	10/27/2012	114730	1964.09	NMEA 0183	12	2	2
659550.692068	4047601.951999	47,600		-109.217106	36.560536	10/27/2012	115615	1966.07	NMEA 0183	12	2	2
659586.100780	4047662.696311	47,600		-109.216698	36.561077	11/1/2012	162329	1964.46	NMEA 0183	12	2	2
659599.946821	4047701.124328	47,600		-109.216536	36.561421	11/2/2012	110735	1965.41	NMEA 0183	12	2	2
659575.051259	4047662.628265	47,700		-109.216822	36.561078	11/1/2012	161907	1963.69	NMEA 0183	12	2	2
659564.225109	4047665.803110	47,800		-109.216942	36.561109	10/27/2012	114952	1964.46	NMEA 0183	12	2	2
659574.374779	4047657.749293	47,800		-109.216830	36.561035	11/1/2012	161912	1963.88	NMEA 0183	12	2	2
659544.643235	4047604.347968	47,900		-109.217173	36.560558	10/27/2012	114811	1965.62	NMEA 0183	12	2	2
659627.981921	4047655.791556	47,900		-109.216232	36.561008	11/2/2012	104814	1973.00	NMEA 0183	12	2	2
659587.610212	4047681.555583	48,000		-109.216677	36.561247	11/1/2012	162220	1964.48	NMEA 0183	12	2	2
659629.804703	4047681.402326	48,000		-109.216206	36.561239	11/2/2012	104936	1971.61	NMEA 0183	12	2	2
659593.035700	4047659.266205	48,000		-109.216621	36.561045	11/2/2012	110654	1966.89	NMEA 0183	12	2	2
659560.465237	4047666.510241	48,100		-109.216984	36.561116	10/27/2012	114722	1963.90	NMEA 0183	12	2	2
659625.930132	4047675.905426	48,100		-109.216251	36.561190	11/2/2012	105115	1971.78	NMEA 0183	12	2	2
659559.094728	4047660.031403	48,200		-109.217000	36.561058	10/27/2012	114727	1964.27	NMEA 0183	12	2	2
659591.323330	4047678.944308	48,200		-109.216636	36.561223	11/1/2012	162351	1964.47	NMEA 0183	12	2	2
659629.860093	4047682.357773	48,200		-109.216205	36.561247	11/2/2012	104935	1971.60	NMEA 0183	12	2	2
659570.790647	4047668.773322	48,300		-109.216868	36.561135	10/27/2012	115732	1964.30	NMEA 0183	12	2	2
659596.202223	4047657.405000	48,300		-109.216586	36.561028	11/2/2012	110605	1967.57	NMEA 0183	12	2	2
659599.953185	4047700.057198	48,300		-109.216536	36.561412	11/2/2012	110734	1965.27	NMEA 0183	12	2	2
659563.527022	4047651.065110	48,400		-109.216953	36.560976	10/27/2012	115537	1964.66	NMEA 0183	12	2	2
659554.491394	4047604.349304	48,400		-109.217063	36.560557	10/27/2012	115638	1966.18	NMEA 0183	12	2	2
659565.016374	4047642.364235	48,400		-109.216938	36.560898	10/27/2012	115709	1965.06	NMEA 0183	12	2	2
659559.608858	4047620.234645	48,400		-109.217003	36.560699	11/1/2012	161544	1964.50	NMEA 0183	12	2	2
659570.302990	4047630.618969	48,400		-109.216881	36.560791	11/1/2012	161951	1964.79	NMEA 0183	12	2	2
659586.282895	4047663.657807	48,400		-109.216696	36.561086	11/1/2012	162330	1964.40	NMEA 0183	12	2	2
659633.528048	4047692.154977	48,400		-109.216162	36.561335	11/8/2012	114256	1971.02	NMEA 0183	12	2	2
659582.541523	4047730.708489	48,500		-109.216724	36.561691	10/27/2012	115437	1964.57	NMEA 0183	12	2	2
659599.144401	4047669.489689	48,500		-109.216551	36.561136	11/2/2012	110551	1966.73	NMEA 0183	12	2	2
659570.779266	4047715.330627	48,600		-109.216858	36.561554	10/27/2012	114645	1963.32	NMEA 0183	12	2	2
659566.751046	4047663.402865	48,600		-109.216914	36.561087	10/27/2012	115528	1964.34	NMEA 0183	12	2	2
659570.011028	4047651.995496	48,600		-109.216880	36.560984	11/1/2012	161628	1963.92	NMEA 0183	12	2	2
659627.600641	4047654.064309	48,600		-109.216236	36.560993	11/2/2012	104812	1973.15	NMEA 0183	12	2	2
659562.495390	4047656.245343	48,700		-109.216963	36.561023	10/27/2012	114945	1964.70	NMEA 0183	12	2	2
659572.094734	4047659.924739	48,700		-109.216855	36.561055	11/1/2012	161637	1963.77	NMEA 0183	12	2	2
659554.139264	4047638.629712	48,800		-109.217060	36.560866	10/27/2012	114744	1964.46	NMEA 0183	12	2	2
659592.863977	4047658.227217	48,800		-109.216624	36.561036	11/2/2012	110653	1966.83	NMEA 0183	12	2	2
659625.481810	4047683.824707	48,900		-109.216254								



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659591.625053	4047657.527267	48,900		-109.216638	36.561030	11/2/2012	110839	1966.88	NMEA 0183	12	2	2
659589.827482	4047649.779041	48,900		-109.216659	36.560960	11/2/2012	110847	1966.88	NMEA 0183	12	2	2
659535.902388	4047598.222641	49,000		-109.217272	36.560505	10/27/2012	113528	1964.38	NMEA 0183	12	2	2
659551.926354	4047617.388006	49,000		-109.217089	36.560675	10/27/2012	114914	1965.53	NMEA 0183	12	2	2
659571.165257	4047632.238604	49,000		-109.216871	36.560805	11/1/2012	161953	1964.75	NMEA 0183	12	2	2
659587.740997	4047667.504375	49,000		-109.216679	36.561120	11/1/2012	162337	1964.34	NMEA 0183	12	2	2
659587.096721	4047678.669855	49,100		-109.216684	36.561221	11/1/2012	162223	1964.32	NMEA 0183	12	2	2
659629.686356	4047680.462358	49,100		-109.216208	36.561230	11/2/2012	104937	1971.67	NMEA 0183	12	2	2
659553.337268	4047622.654222	49,300		-109.217072	36.560722	10/27/2012	114918	1965.30	NMEA 0183	12	2	2
659563.373614	4047677.845181	49,400		-109.216949	36.561218	10/27/2012	114713	1963.19	NMEA 0183	12	2	2
659572.968669	4047652.466514	49,400		-109.216847	36.560987	11/1/2012	161917	1964.01	NMEA 0183	12	2	2
659585.567212	4047673.765813	49,400		-109.216702	36.561177	11/1/2012	162228	1964.36	NMEA 0183	12	2	2
659601.993093	4047676.397327	49,400		-109.216518	36.561198	11/2/2012	110452	1966.49	NMEA 0183	12	2	2
659603.612123	4047701.895180	49,400		-109.216494	36.561428	11/2/2012	110519	1966.08	NMEA 0183	12	2	2
659560.147295	4047665.309472	49,500		-109.216987	36.561105	10/27/2012	114723	1964.06	NMEA 0183	12	2	2
659581.388138	4047652.583812	49,500		-109.216753	36.560987	11/1/2012	162315	1964.49	NMEA 0183	12	2	2
659553.305532	4047600.787088	49,600		-109.217077	36.560525	10/27/2012	115635	1966.31	NMEA 0183	12	2	2
659578.115262	4047675.386627	49,600		-109.216785	36.561193	11/1/2012	161854	1963.58	NMEA 0183	12	2	2
659589.656368	4047676.222151	49,600		-109.216656	36.561199	11/1/2012	162347	1964.37	NMEA 0183	12	2	2
659601.904301	4047675.311785	49,700		-109.216519	36.561188	11/2/2012	110451	1966.54	NMEA 0183	12	2	2
659553.486504	4047602.051904	49,800		-109.217075	36.560536	10/27/2012	115636	1966.10	NMEA 0183	12	2	2
659555.871765	4047606.836781	49,800		-109.217047	36.560579	11/1/2012	161524	1965.10	NMEA 0183	12	2	2
659592.983583	4047675.270253	49,800		-109.216619	36.561189	11/1/2012	162518	1964.75	NMEA 0183	12	2	2
659587.661958	4047667.421524	49,900		-109.216680	36.561120	11/1/2012	162335	1964.35	NMEA 0183	12	2	2
659560.856491	4047649.916898	50,000		-109.216983	36.560966	10/27/2012	114940	1964.86	NMEA 0183	12	2	2
659585.993213	4047661.898967	50,000		-109.216700	36.561070	11/1/2012	162328	1964.48	NMEA 0183	12	2	2
659594.286065	4047682.036382	50,000		-109.216603	36.561250	11/1/2012	162511	1964.75	NMEA 0183	12	2	2
659590.752684	4047661.682046	50,000		-109.216646	36.561067	11/2/2012	110927	1966.76	NMEA 0183	12	2	2
659558.135258	4047605.554404	50,000		-109.217022	36.560567	11/2/2012	111415	1965.91	NMEA 0183	12	2	2
659626.019881	4047676.939195	50,100		-109.216249	36.561199	11/2/2012	105116	1971.68	NMEA 0183	12	2	2
659558.099272	4047599.608966	50,100		-109.217024	36.560513	11/2/2012	111342	1966.66	NMEA 0183	12	2	2
659536.212585	4047599.197608	50,200		-109.217269	36.560513	10/27/2012	113527	1964.31	NMEA 0183	12	2	2
659562.608750	4047675.076871	50,200		-109.216958	36.561193	10/27/2012	114715	1963.07	NMEA 0183	12	2	2
659587.629622	4047667.716868	50,200		-109.216680	36.561122	11/1/2012	162336	1964.35	NMEA 0183	12	2	2
659590.161786	4047677.692748	50,200		-109.216650	36.561212	11/1/2012	162349	1964.36	NMEA 0183	12	2	2
659594.505760	4047667.134134	50,300		-109.216603	36.561116	11/2/2012	110702	1966.71	NMEA 0183	12	2	2
659559.547056	4047662.675540	50,400		-109.216995	36.561082	10/27/2012	114725	1964.19	NMEA 0183	12	2	2
659590.908202	4047654.584127	50,400		-109.216646	36.561003	11/2/2012	110842	1966.86	NMEA 0183	12	2	2
659559.753812	4047663.998174	50,500		-109.216992	36.561093	10/27/2012	114724	1964.05	NMEA 0183	12	2	2
659567.038005	4047664.745483	50,500		-109.216911	36.561099	10/27/2012	115527	1964.27	NMEA 0183	12	2	2
659580.313151	4047661.710391	50,500		-109.216763	36.561069	11/1/2012	162025	1964.03	NMEA 0183	12	2	2
659626.403879	4047679.887262	50,500		-109.216244	36.561225	11/2/2012	105119	1971.59	NMEA 0183	12	2	2
659565.610406	4047644.850081	50,600		-109.216931	36.560920	10/27/2012	115711	1965.04	NMEA 0183	12	2	2
659590.651852	4047682.806869	50,600		-109.216643	36.561258	11/1/2012	162356	1964.32	NMEA 0183	12	2	2
659552.639264	4047632.213212	50,700		-109.217078	36.560808	10/27/2012	114749	1964.90	NMEA 0183	12	2	2
659589.950602	4047727.856869	50,700		-109.216642	36.561664	11/1/2012	161754	1964.83	NMEA 0183	12	2	2
659560.741001	4047667.732424	50,800		-109.216980	36.561127	10/27/2012	114721	1963.88	NMEA 0183	12	2	2
659564.556389	4047667.089210	50,800		-109.216938	36.561120	10/27/2012	114953	1964.33	NMEA 0183	12	2	2
659563.169252	4047649.678638	50,800		-109.216957	36.560964	10/27/2012	115538	1964.61	NMEA 0183	12	2	2
659562.865952	4047648.492938	50,800		-109.216961	36.560953	10/27/2012	115539	1964.71	NMEA 0183	12	2	2
659626.562534	4047680.826128	50,800		-109.216242	36.561234	11/2/2012	105120	1971.55	NMEA 0183	12	2	2
659591.092339	4047655.597451	50,800		-109.216644	36.561012	11/2/2012	110841	1966.86	NMEA 0183	12	2	2
659583.375559	4047665.784623	50,900		-109.216728	36.561106	11/1/2012	162236	1964.32	NMEA 0183	12	2	2
659597.129389	4047682.314776	50,900		-109.216571	36.561252	11/2/2012	110717	1966.06	NMEA 0183	12	2	2
659599.537516	4047695.678767	50,900		-109.216541	36.561372	11/2/2012	110730	1965.23	NMEA 0183	12	2	2
659552.961646	4047621.345105	51,000		-109.217077	36.560710	10/27/2012	114917	1965.36	NMEA 0183	12	2	2
659571.687785	4047673.822854	51,000		-109.216857	36.561180	10/27/2012	115736	1963.85	NMEA 0183	12	2	2
659585.894337	4047661.678874	51,000		-109.216701	36.561068	11/1/2012	162327	1964.47	NMEA 0183	12	2	2
659596.519835	4047658.221037	51,000		-109.216583	36.561035	11/2/2012	110604	1967.54	NMEA 0183	12	2	2
659555.559343	4047606.625677	51,100		-109.217051	36.560577	10/27/2012	115640	1966.15	NMEA 0183	12	2	2
659566.506229	4047662.040683	51,200		-109.216917	36.561075	10/27/2012	115529	1964.38	NMEA 0183	12	2	2
659578.338628	4047676.215713	51,200		-109.216782	36.561200	11/1/2012	161853	1963.57	NMEA 0183	12	2	2
659565.340577	4047658.033074	51,300		-109.216931	36.561039	10/27/2012	115532	1964.49	NMEA 0183	12	2	2
659563.382538	4047660.305126	51,400		-109.216952	36.561059	10/27/2012	114948	1964.61	NMEA 0183	12	2	2
659559.822016	4047639.478644	51,400		-109.216996	36.560872	10/27/2012	115546	1964.82	NMEA 0183	12	2	2
659559.421091	4047638.246742	51,500		-109.217001	36.560861	10/27/2012	115547	1964.83	NMEA 0183	12	2	2
659585.052181	4047682.146270	51,500		-109.216706	36.561253	11/1/2012	162044	1964.18	NMEA 0183	12	2	2
659581.540901	4047653.357949	51,500		-109.216751	36.560994	11/1/2012	162316	1964.43	NMEA 0183	12	2	2
659574.596072	4047658.770704	51,600		-109.216827	36.561044	11/1/2012	161911	1963.91	NMEA 0183	12	2	2
659588.576829	4047685.835103	51,600		-109.216666	36.561285	11/1/2012	162215	1964.27	NMEA 0183	12	2	2
659581.803761	4047668.309838	51,700		-109.216745	36.561129	11/1/2012	162031	1963.95	NMEA 0183	12	2	2
659583.865274	4047667.780228	51,700		-109.216722	36.561123	11/1/2012	162234	1964.29	NMEA 0183	12	2	2
659629.518066	4047679.560307	51,700		-109.216210	36.561222	11/2/2012	104938	1971.67	NMEA 0183	12	2	2
659602.853651	4047699.426626	51,700		-109.216503	36.561405	11/2/2012	110522	1965.88	NMEA 0183	12	2	2
659597.643442	4047685.411375	51,700		-109.216565	36.561280	11/2/2012	110720	1966.13	NMEA 0183	12	2	2
659598.285900	4047666.621606	51,800		-109.216561	36.561111	11/2/2012	110554	1966.91	NMEA 0183	12	2	2
659558.985275	4047637.045637	51,900		-109.217006	36.560851	10/27/2012	115548	1964.87	NMEA 0183	12	2	2
659589.847620	4047676.932265	51,900		-109.216653	36.561205	11/1/2012	162348	1964.34	NMEA 0183	12	2	2
659558.268086	4047600.322361	51,900		-109.217022	36.560520	11/2/2012	111341	1966.61	NMEA 0183	12	2	2
659556.377415	4047595.983171	51,900		-109.217044	3							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659648.693246	4047690.190860	51,900		-109.215993	36.561315	11/8/2012	093621	1969.88	NMEA 0183	12	2	2
659600.905601	4047650.317447	52,000		-109.216535	36.560963	11/2/2012	110152	1969.28	NMEA 0183	12	2	2
659630.162846	4047684.296273	52,100		-109.216202	36.561265	11/2/2012	104933	1971.57	NMEA 0183	12	2	2
659560.242642	4047640.694264	52,300		-109.216992	36.560883	10/27/2012	115545	1964.86	NMEA 0183	12	2	2
659580.642734	4047654.478826	52,300		-109.216761	36.561004	11/1/2012	162248	1964.43	NMEA 0183	12	2	2
659599.890129	4047698.951788	52,300		-109.216537	36.561402	11/2/2012	110733	1965.31	NMEA 0183	12	2	2
659557.604645	4047604.717772	52,300		-109.217028	36.560560	11/2/2012	111414	1965.88	NMEA 0183	12	2	2
659582.353192	4047670.545156	52,400		-109.216738	36.561149	11/1/2012	162033	1964.01	NMEA 0183	12	2	2
659583.462220	4047674.869857	52,400		-109.216725	36.561187	11/1/2012	162037	1964.04	NMEA 0183	12	2	2
659561.097776	4047669.011598	52,500		-109.216976	36.561138	10/27/2012	114720	1963.74	NMEA 0183	12	2	2
659570.591168	4047713.967646	52,600		-109.216861	36.561542	10/27/2012	114646	1963.35	NMEA 0183	12	2	2
659604.223069	4047702.100725	52,600		-109.216488	36.561429	11/2/2012	110518	1966.15	NMEA 0183	12	2	2
659591.904980	4047658.605255	52,600		-109.216634	36.561039	11/2/2012	110838	1966.89	NMEA 0183	12	2	2
659589.528707	4047675.381893	52,700		-109.216657	36.561191	11/1/2012	162346	1964.34	NMEA 0183	12	2	2
659592.389738	4047660.626664	52,700		-109.216628	36.561058	11/2/2012	110836	1966.92	NMEA 0183	12	2	2
659552.296117	4047630.923193	52,800		-109.217082	36.560797	10/27/2012	114750	1964.93	NMEA 0183	12	2	2
659564.642372	4047655.210510	52,800		-109.216939	36.561013	10/27/2012	115534	1964.44	NMEA 0183	12	2	2
659573.825911	4047655.724846	52,800		-109.216837	36.561016	11/1/2012	161914	1963.92	NMEA 0183	12	2	2
659571.645306	4047632.663677	52,800		-109.216866	36.560809	11/1/2012	161954	1964.82	NMEA 0183	12	2	2
659563.707520	4047681.805923	52,900		-109.216944	36.561253	10/27/2012	114710	1963.28	NMEA 0183	12	2	2
659592.843995	4047671.533223	52,900		-109.216621	36.561156	11/1/2012	162525	1965.07	NMEA 0183	12	2	2
659590.554917	4047660.840487	52,900		-109.216649	36.561060	11/2/2012	110926	1966.79	NMEA 0183	12	2	2
659563.909886	4047683.204311	53,000		-109.216942	36.561266	10/27/2012	114709	1963.24	NMEA 0183	12	2	2
659593.929976	4047666.883000	53,000		-109.216610	36.561114	11/2/2012	110830	1966.88	NMEA 0183	12	2	2
659590.203806	4047657.968869	53,000		-109.216653	36.561034	11/2/2012	110923	1966.77	NMEA 0183	12	2	2
659555.942849	4047606.865844	53,100		-109.217047	36.560579	11/1/2012	161525	1965.12	NMEA 0183	12	2	2
659584.658363	4047659.693474	53,100		-109.216715	36.561050	11/1/2012	162324	1964.54	NMEA 0183	12	2	2
659552.964152	4047633.441854	53,200		-109.217074	36.560819	10/27/2012	114748	1964.77	NMEA 0183	12	2	2
659582.079266	4047669.465429	53,200		-109.216742	36.561139	11/1/2012	162032	1963.95	NMEA 0183	12	2	2
659583.220407	4047673.748184	53,200		-109.216728	36.561177	11/1/2012	162036	1964.00	NMEA 0183	12	2	2
659584.369716	4047669.705820	53,200		-109.216716	36.561141	11/1/2012	162232	1964.27	NMEA 0183	12	2	2
659626.898766	4047683.775158	53,200		-109.216238	36.561260	11/2/2012	105123	1971.50	NMEA 0183	12	2	2
659592.657825	4047657.274523	53,200		-109.216626	36.561027	11/2/2012	110652	1966.79	NMEA 0183	12	2	2
659559.341998	4047661.341840	53,300		-109.216997	36.561070	10/27/2012	114726	1964.19	NMEA 0183	12	2	2
659588.451544	4047728.552279	53,300		-109.216658	36.561670	11/1/2012	161750	1964.41	NMEA 0183	12	2	2
659598.441336	4047667.573359	53,300		-109.216559	36.561119	11/2/2012	110553	1966.85	NMEA 0183	12	2	2
659587.271891	4047679.603478	53,400		-109.216682	36.561229	11/1/2012	162222	1964.32	NMEA 0183	12	2	2
659602.039229	4047693.217044	53,400		-109.216514	36.561350	11/2/2012	110528	1965.92	NMEA 0183	12	2	2
659604.625432	4047701.323937	53,500		-109.216483	36.561422	11/2/2012	110517	1966.18	NMEA 0183	12	2	2
659556.875816	4047629.619025	53,700		-109.217031	36.560784	10/27/2012	115554	1965.00	NMEA 0183	12	2	2
659555.926612	4047606.856295	53,700		-109.217047	36.560579	11/1/2012	161527	1965.12	NMEA 0183	12	2	2
659574.647422	4047659.783414	53,700		-109.216827	36.561053	11/1/2012	161910	1963.82	NMEA 0183	12	2	2
659584.727688	4047670.759361	53,700		-109.216712	36.561150	11/1/2012	162231	1964.30	NMEA 0183	12	2	2
659553.377938	4047634.784972	53,800		-109.217069	36.560831	10/27/2012	114747	1964.75	NMEA 0183	12	2	2
659574.809169	4047661.682304	53,800		-109.216824	36.561070	11/1/2012	161908	1963.73	NMEA 0183	12	2	2
659558.491371	4047635.758372	53,900		-109.217012	36.560839	10/27/2012	115549	1964.80	NMEA 0183	12	2	2
659604.491926	4047700.557555	53,900		-109.216485	36.561415	11/2/2012	110516	1966.16	NMEA 0183	12	2	2
659592.105182	4047659.637373	53,900		-109.216632	36.561049	11/2/2012	110837	1966.87	NMEA 0183	12	2	2
659590.309178	4047659.045469	53,900		-109.216652	36.561044	11/2/2012	110924	1966.77	NMEA 0183	12	2	2
659589.380231	4047674.537549	54,000		-109.216659	36.561183	11/1/2012	162345	1964.37	NMEA 0183	12	2	2
659573.600092	4047654.625666	54,200		-109.216839	36.561007	11/1/2012	161915	1963.87	NMEA 0183	12	2	2
659584.101756	4047668.787124	54,300		-109.216719	36.561132	11/1/2012	162233	1964.27	NMEA 0183	12	2	2
659535.574867	4047595.928554	54,400		-109.217276	36.560484	10/27/2012	113530	1964.56	NMEA 0183	12	2	2
659548.264106	4047618.542720	54,500		-109.217130	36.560686	10/27/2012	114800	1965.44	NMEA 0183	12	2	2
659574.685553	4047660.784781	54,500		-109.216826	36.561062	11/1/2012	161909	1963.81	NMEA 0183	12	2	2
659626.804217	4047682.839331	54,500		-109.216239	36.561252	11/2/2012	105122	1971.49	NMEA 0183	12	2	2
659627.204041	4047623.684215	54,500		-109.216234	36.561277	11/2/2012	105125	1971.35	NMEA 0183	12	2	2
659559.620608	4047645.512163	54,600		-109.216997	36.560927	10/27/2012	114936	1964.86	NMEA 0183	12	2	2
659568.738893	4047671.592981	54,600		-109.216890	36.561160	10/27/2012	115522	1963.96	NMEA 0183	12	2	2
659553.666854	4047623.951388	54,700		-109.217068	36.560734	10/27/2012	114919	1965.34	NMEA 0183	12	2	2
659596.725792	4047682.836290	54,700		-109.216575	36.561257	11/2/2012	110814	1966.12	NMEA 0183	12	2	2
659563.528061	4047680.459750	54,800		-109.216947	36.561241	10/27/2012	114711	1963.19	NMEA 0183	12	2	2
659552.188166	4047618.719059	54,800		-109.217086	36.560687	10/27/2012	114915	1965.40	NMEA 0183	12	2	2
659585.286119	4047672.750692	54,800		-109.216705	36.561168	11/1/2012	162229	1964.31	NMEA 0183	12	2	2
659593.409574	4047664.772147	54,800		-109.216616	36.561095	11/2/2012	110832	1966.86	NMEA 0183	12	2	2
659557.832507	4047598.947394	54,800		-109.217027	36.560508	11/2/2012	111343	1966.72	NMEA 0183	12	2	2
659571.078995	4047671.247950	54,900		-109.216864	36.561157	10/27/2012	115734	1964.11	NMEA 0183	12	2	2
659590.722898	4047684.607896	54,900		-109.216642	36.561274	11/1/2012	162358	1964.31	NMEA 0183	12	2	2
659627.316300	4047686.685004	55,000		-109.216233	36.561287	11/2/2012	105126	1971.31	NMEA 0183	12	2	2
659592.461652	4047656.266525	55,200		-109.216628	36.561018	11/2/2012	110651	1966.80	NMEA 0183	12	2	2
659579.643865	4047680.902885	55,300		-109.216766	36.561242	11/1/2012	161847	1963.49	NMEA 0183	12	2	2
659579.755746	4047659.502670	55,300		-109.216770	36.561050	11/1/2012	162023	1964.13	NMEA 0183	12	2	2
659592.631510	4047674.381441	55,300		-109.216623	36.561181	11/1/2012	162519	1964.73	NMEA 0183	12	2	2
659593.256682	4047660.304258	55,300		-109.216619	36.561054	11/2/2012	110655	1966.87	NMEA 0183	12	2	2
659596.939535	4047684.908162	55,400		-109.216572	36.561276	11/2/2012	110812	1966.03	NMEA 0183	12	2	2
659580.014106	4047660.617251	55,500		-109.216767	36.561060	11/1/2012	162024	1964.08	NMEA 0183	12	2	2
659550.271163	4047609.764509	55,700		-109.217109	36.560606	10/27/2012	114908	1965.63	NMEA 0183	12	2	2
659602.304594	4047695.321318	55,700		-109.216510	36.561369	11/2/2012	110526	1965.95	NMEA 0183	12	2	2
659559.946762	4047646.511472	55,800		-109.216994	36.560936	10/27/2012	114937	1964.85	NMEA 0183	12	2	2
659560.112215	4047647.566990	55,800		-109.216992	36.5609							



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659584.973633	4047671.738687	55,800		-109.216709	36.561159	11/1/2012	162230	1964.29	NMEA 0183	12	2	2
659555.922446	4047606.839571	55,900		-109.217047	36.560579	11/1/2012	161526	1965.10	NMEA 0183	12	2	2
659569.013257	4047660.579710	56,000		-109.216889	36.561061	10/27/2012	115725	1964.67	NMEA 0183	12	2	2
659555.860913	4047607.341534	56,000		-109.217047	36.560584	11/1/2012	161529	1965.10	NMEA 0183	12	2	2
659556.846992	4047628.357030	56,100		-109.217032	36.560773	10/27/2012	115555	1965.06	NMEA 0183	12	2	2
659559.191994	4047644.405524	56,200		-109.217002	36.560917	10/27/2012	114935	1964.90	NMEA 0183	12	2	2
659558.052486	4047634.481375	56,200		-109.217017	36.560828	10/27/2012	115550	1964.86	NMEA 0183	12	2	2
659647.074884	4047690.560358	56,200		-109.216011	36.561318	11/8/2012	093623	1970.27	NMEA 0183	12	2	2
659556.376109	4047625.747693	56,300		-109.217038	36.560749	10/27/2012	115557	1965.16	NMEA 0183	12	2	2
659588.368895	4047684.978558	56,300		-109.216668	36.561278	11/1/2012	162216	1964.32	NMEA 0183	12	2	2
659596.849363	4047658.957760	56,300		-109.216579	36.561042	11/2/2012	110603	1967.43	NMEA 0183	12	2	2
659594.230702	4047666.276344	56,300		-109.216607	36.561108	11/2/2012	110701	1966.73	NMEA 0183	12	2	2
659560.778756	4047641.958268	56,400		-109.216985	36.560895	10/27/2012	115544	1964.80	NMEA 0183	12	2	2
659601.701598	4047674.253725	56,500		-109.216521	36.561179	11/2/2012	110450	1966.50	NMEA 0183	12	2	2
659599.698248	4047696.747146	56,500		-109.216539	36.561382	11/2/2012	110731	1965.21	NMEA 0183	12	2	2
659553.928648	4047637.273713	56,700		-109.217063	36.560854	10/27/2012	114745	1964.55	NMEA 0183	12	2	2
659556.617997	4047627.026586	56,700		-109.217035	36.560761	10/27/2012	115556	1965.05	NMEA 0183	12	2	2
659578.949113	4047678.618631	56,700		-109.216775	36.561222	11/1/2012	161850	1963.61	NMEA 0183	12	2	2
659578.572538	4047677.039446	56,700		-109.216779	36.561208	11/1/2012	161852	1963.60	NMEA 0183	12	2	2
659596.470438	4047680.996702	56,700		-109.216579	36.561240	11/2/2012	110816	1966.23	NMEA 0183	12	2	2
659561.426690	4047670.264361	56,800		-109.216972	36.561150	10/27/2012	114719	1963.65	NMEA 0183	12	2	2
659603.491818	4047701.221525	56,800		-109.216496	36.561421	11/2/2012	110520	1966.04	NMEA 0183	12	2	2
659592.308051	4047655.135390	56,800		-109.216630	36.561008	11/2/2012	110650	1966.80	NMEA 0183	12	2	2
659592.329672	4047673.519455	56,900		-109.216626	36.561174	11/1/2012	162520	1964.67	NMEA 0183	12	2	2
659592.702909	4047661.762608	56,900		-109.216625	36.561068	11/2/2012	110835	1966.96	NMEA 0183	12	2	2
659571.921259	4047658.980051	57,000		-109.216857	36.561046	11/1/2012	161636	1963.86	NMEA 0183	12	2	2
659590.069492	4047657.004560	57,100		-109.216655	36.561025	11/2/2012	110922	1966.91	NMEA 0183	12	2	2
659556.086066	4047608.074471	57,200		-109.217045	36.560590	11/1/2012	161530	1965.00	NMEA 0183	12	2	2
659582.473334	4047661.894725	57,200		-109.216739	36.561071	11/1/2012	162240	1964.29	NMEA 0183	12	2	2
659626.694769	4047681.821843	57,200		-109.216241	36.561243	11/2/2012	105121	1971.54	NMEA 0183	12	2	2
659556.199953	4047636.052519	57,300		-109.217038	36.560842	10/27/2012	114928	1964.90	NMEA 0183	12	2	2
659566.064654	4047647.229754	57,300		-109.216925	36.560941	10/27/2012	115713	1964.98	NMEA 0183	12	2	2
659556.962248	4047630.832148	57,600		-109.217030	36.560795	10/27/2012	115553	1965.00	NMEA 0183	12	2	2
659554.469368	4047617.688561	57,700		-109.217061	36.560677	10/27/2012	115603	1965.60	NMEA 0183	12	2	2
659556.077361	4047634.777687	57,800		-109.217039	36.560831	10/27/2012	114927	1964.99	NMEA 0183	12	2	2
659563.846198	4047663.062303	57,800		-109.216947	36.561084	10/27/2012	114950	1964.59	NMEA 0183	12	2	2
659570.914572	4047669.976042	57,800		-109.216866	36.561145	10/27/2012	115733	1964.25	NMEA 0183	12	2	2
659535.753938	4047597.054611	57,900		-109.217274	36.560494	10/27/2012	113529	1964.38	NMEA 0183	12	2	2
659560.452103	4047648.710827	57,900		-109.216988	36.560956	10/27/2012	114939	1964.80	NMEA 0183	12	2	2
659597.275685	4047683.356992	57,900		-109.216569	36.561262	11/2/2012	110718	1966.07	NMEA 0183	12	2	2
659570.142791	4047678.040996	58,100		-109.216873	36.561218	10/27/2012	115517	1963.52	NMEA 0183	12	2	2
659581.154859	4047656.312078	58,100		-109.216755	36.561021	11/1/2012	162246	1964.42	NMEA 0183	12	2	2
659556.232240	4047624.413278	58,200		-109.217040	36.560737	10/27/2012	115558	1965.15	NMEA 0183	12	2	2
659551.674359	4047608.445832	58,200		-109.217094	36.560594	10/27/2012	115610	1965.86	NMEA 0183	12	2	2
659581.751563	4047654.308876	58,200		-109.216748	36.561002	11/1/2012	162317	1964.52	NMEA 0183	12	2	2
659601.351501	4047672.051698	58,200		-109.216526	36.561159	11/2/2012	110448	1966.67	NMEA 0183	12	2	2
659554.052573	4047625.279190	58,300		-109.217064	36.560745	10/27/2012	114920	1965.25	NMEA 0183	12	2	2
659562.079465	4047645.844454	58,300		-109.216970	36.560929	10/27/2012	115541	1964.74	NMEA 0183	12	2	2
659581.694930	4047658.086659	58,300		-109.216748	36.561036	11/1/2012	162244	1964.41	NMEA 0183	12	2	2
659582.945606	4047672.635148	58,500		-109.216731	36.561167	11/1/2012	162035	1964.02	NMEA 0183	12	2	2
659584.823707	4047681.109929	58,500		-109.216709	36.561243	11/1/2012	162043	1964.23	NMEA 0183	12	2	2
659558.795732	4047643.243995	58,600		-109.217007	36.560907	10/27/2012	114934	1964.83	NMEA 0183	12	2	2
659590.716573	4047683.742143	58,800		-109.216642	36.561266	11/1/2012	162357	1964.35	NMEA 0183	12	2	2
659550.675348	4047626.030414	58,900		-109.217101	36.560753	10/27/2012	114754	1965.00	NMEA 0183	12	2	2
659589.173326	4047673.625533	59,000		-109.216662	36.561175	11/1/2012	162344	1964.34	NMEA 0183	12	2	2
659597.458432	4047684.364742	59,000		-109.216567	36.561271	11/2/2012	110719	1966.08	NMEA 0183	12	2	2
659575.128883	4047638.499583	59,000		-109.216827	36.560816	11/2/2012	111505	1965.91	NMEA 0183	12	2	2
659553.741437	4047636.023579	59,100		-109.217065	36.560842	10/27/2012	114746	1964.66	NMEA 0183	12	2	2
659586.242918	4047733.233471	59,100		-109.216682	36.561713	10/27/2012	115823	1965.19	NMEA 0183	12	2	2
659598.268552	4047665.787093	59,100		-109.216562	36.561103	11/2/2012	110555	1966.96	NMEA 0183	12	2	2
659556.854553	4047603.083571	59,100		-109.217037	36.560545	11/2/2012	111412	1966.07	NMEA 0183	12	2	2
659566.212172	4047648.447709	59,200		-109.216923	36.560952	10/27/2012	115714	1964.88	NMEA 0183	12	2	2
659582.749735	4047655.921786	59,200		-109.216737	36.561017	11/1/2012	162319	1964.59	NMEA 0183	12	2	2
659578.688388	4047677.792552	59,300		-109.216778	36.561215	11/1/2012	161851	1963.54	NMEA 0183	12	2	2
659582.203522	4047660.914956	59,300		-109.216742	36.561062	11/1/2012	162241	1964.36	NMEA 0183	12	2	2
659582.174121	4047655.178649	59,300		-109.216744	36.561010	11/1/2012	162318	1964.55	NMEA 0183	12	2	2
659584.318684	4047658.860381	59,300		-109.216719	36.561043	11/1/2012	162323	1964.61	NMEA 0183	12	2	2
659538.625020	4047598.332308	59,700		-109.217242	36.560505	10/27/2012	113608	1964.56	NMEA 0183	12	2	2
659571.930259	4047633.229405	59,900		-109.216863	36.560814	11/1/2012	161955	1964.56	NMEA 0183	12	2	2
659567.145868	4047652.008951	60,100		-109.216912	36.560984	10/27/2012	115717	1964.90	NMEA 0183	12	2	2
659584.368575	4047679.261087	60,300		-109.216714	36.561227	11/1/2012	162041	1964.28	NMEA 0183	12	2	2
659583.539507	4047657.588169	60,300		-109.216728	36.561032	11/1/2012	162321	1964.53	NMEA 0183	12	2	2
659593.202891	4047663.767653	60,300		-109.216619	36.561086	11/2/2012	110833	1966.90	NMEA 0183	12	2	2
659555.413318	4047630.836720	60,500		-109.217048	36.560795	10/27/2012	114924	1965.19	NMEA 0183	12	2	2
659601.517103	4047673.179356	60,500		-109.216524	36.561169	11/2/2012	110449	1966.65	NMEA 0183	12	2	2
659592.963273	4047662.688563	60,500		-109.216621	36.561076	11/2/2012	110834	1966.92	NMEA 0183	12	2	2
659588.595967	4047671.689341	60,600		-109.216668	36.561158	11/1/2012	162342	1964.38	NMEA 0183	12	2	2
659556.434381	4047637.170354	60,700		-109.217035	36.560852	10/27/2012	114929	1964.89	NMEA 0183	12	2	2
659563.716236	4047661.702250	60,700		-109.216948	36.561072	10/27/2012	114949	1964.62	NMEA 0183	12	2	2
659554.445579	4047626.616374	60,900		-109.217059</								



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659581.397668	4047657.219210	60,900		-109.216752	36.561029	11/1/2012	162245	1964.49	NMEA 0183	12	2	2
659551.065560	4047627.276914	61,000		-109.217097	36.560764	10/27/2012	114753	1965.16	NMEA 0183	12	2	2
659554.769748	4047628.044765	61,000		-109.217055	36.560770	10/27/2012	114922	1965.20	NMEA 0183	12	2	2
659549.836677	4047607.364857	61,500		-109.217115	36.560585	10/27/2012	114906	1965.72	NMEA 0183	12	2	2
659569.586653	4047675.282105	61,500		-109.216880	36.561193	10/27/2012	115519	1963.49	NMEA 0183	12	2	2
659587.874468	4047682.352134	61,600		-109.216674	36.561254	11/1/2012	162219	1964.47	NMEA 0183	12	2	2
659557.201375	4047632.018507	61,700		-109.217027	36.560806	10/27/2012	115552	1964.95	NMEA 0183	12	2	2
659583.182015	4047656.830582	61,700		-109.216732	36.561025	11/1/2012	162320	1964.58	NMEA 0183	12	2	2
659594.302025	4047682.865321	62,000		-109.216602	36.561258	11/1/2012	162510	1964.86	NMEA 0183	12	2	2
659550.337378	4047624.783033	62,200		-109.217105	36.560742	10/27/2012	114755	1965.23	NMEA 0183	12	2	2
659555.912650	4047623.140343	62,200		-109.217044	36.560726	10/27/2012	115559	1965.28	NMEA 0183	12	2	2
659647.946079	4047690.330518	62,200		-109.216002	36.561316	11/8/2012	093622	1970.06	NMEA 0183	12	2	2
659592.027885	4047672.735155	62,300		-109.216630	36.561167	11/1/2012	162521	1964.67	NMEA 0183	12	2	2
659587.617020	4047668.315921	62,400		-109.216680	36.561128	11/1/2012	162338	1964.32	NMEA 0183	12	2	2
659593.945255	4047665.335127	62,400		-109.216610	36.561100	11/2/2012	110700	1966.79	NMEA 0183	12	2	2
659561.679089	4047644.582967	62,600		-109.216975	36.560918	10/27/2012	115542	1964.82	NMEA 0183	12	2	2
659558.333084	4047641.961008	62,700		-109.217013	36.560895	10/27/2012	114933	1964.86	NMEA 0183	12	2	2
659584.625185	4047680.148128	62,700		-109.216711	36.561235	11/1/2012	162042	1964.29	NMEA 0183	12	2	2
659550.116389	4047608.535322	62,800		-109.217111	36.560595	10/27/2012	114907	1965.80	NMEA 0183	12	2	2
659602.189794	4047694.270438	62,800		-109.216512	36.561359	11/2/2012	110527	1965.88	NMEA 0183	12	2	2
659597.299626	4047659.781807	62,800		-109.216574	36.561049	11/2/2012	110602	1967.41	NMEA 0183	12	2	2
659556.049823	4047633.526814	62,900		-109.217040	36.560819	10/27/2012	114926	1965.04	NMEA 0183	12	2	2
659566.122811	4047660.749917	63,000		-109.216922	36.561063	10/27/2012	115530	1964.49	NMEA 0183	12	2	2
659561.297538	4047643.271890	63,100		-109.216979	36.560906	10/27/2012	115543	1964.75	NMEA 0183	12	2	2
659557.628173	4047633.223144	63,100		-109.217022	36.560816	10/27/2012	115551	1964.90	NMEA 0183	12	2	2
659551.552246	4047607.306034	63,200		-109.217096	36.560584	10/27/2012	115611	1965.85	NMEA 0183	12	2	2
659596.867785	4047683.869178	63,200		-109.216573	36.561266	11/2/2012	110813	1966.09	NMEA 0183	12	2	2
659566.780914	4047650.768467	63,400		-109.216916	36.560973	10/27/2012	115716	1964.85	NMEA 0183	12	2	2
659588.102840	4047683.233104	63,400		-109.216672	36.561262	11/1/2012	162218	1964.37	NMEA 0183	12	2	2
659588.421328	4047670.807518	63,400		-109.216671	36.561150	11/1/2012	162341	1964.37	NMEA 0183	12	2	2
659579.437027	4047680.148091	63,600		-109.216769	36.561236	11/1/2012	161848	1963.66	NMEA 0183	12	2	2
659588.222888	4047684.162004	63,700		-109.216670	36.561270	11/1/2012	162217	1964.40	NMEA 0183	12	2	2
659567.438314	4047653.216646	63,800		-109.216909	36.560995	10/27/2012	115718	1964.88	NMEA 0183	12	2	2
659595.920320	4047688.211229	63,800		-109.216583	36.561306	11/1/2012	162504	1964.67	NMEA 0183	12	2	2
659565.762521	4047659.418887	63,900		-109.216926	36.561051	10/27/2012	115531	1964.43	NMEA 0183	12	2	2
659570.071186	4047629.922901	64,000		-109.216884	36.560785	11/1/2012	161950	1964.83	NMEA 0183	12	2	2
659568.173942	4047668.826527	64,200		-109.216897	36.561135	10/27/2012	115524	1964.05	NMEA 0183	12	2	2
659551.451788	4047606.044560	64,200		-109.217097	36.560573	10/27/2012	115612	1965.91	NMEA 0183	12	2	2
659589.503116	4047728.331328	64,200		-109.216647	36.561668	11/1/2012	161753	1964.71	NMEA 0183	12	2	2
659549.257005	4047605.069793	64,500		-109.217122	36.560564	10/27/2012	114904	1965.78	NMEA 0183	12	2	2
659549.560720	4047606.233304	64,500		-109.217118	36.560575	10/27/2012	114905	1965.83	NMEA 0183	12	2	2
659559.205421	4047601.917492	64,700		-109.217011	36.560534	11/2/2012	111339	1966.41	NMEA 0183	12	2	2
659548.690821	4047619.832438	64,800		-109.217125	36.560697	10/27/2012	114759	1965.39	NMEA 0183	12	2	2
659597.545002	4047662.159458	64,800		-109.216570	36.561071	11/2/2012	110559	1967.06	NMEA 0183	12	2	2
659591.978131	4047672.199684	65,300		-109.216631	36.561162	11/1/2012	162522	1964.68	NMEA 0183	12	2	2
659561.770880	4047671.417525	65,700		-109.216968	36.561160	10/27/2012	114718	1963.56	NMEA 0183	12	2	2
659555.075005	4047629.446910	65,700		-109.217052	36.560783	10/27/2012	114923	1965.15	NMEA 0183	12	2	2
659554.848298	4047619.060628	65,900		-109.217056	36.560689	10/27/2012	115602	1965.49	NMEA 0183	12	2	2
659552.017812	4047629.676918	66,000		-109.217086	36.560785	10/27/2012	114751	1965.09	NMEA 0183	12	2	2
659567.418868	4047666.093541	66,000		-109.216906	36.561111	10/27/2012	115526	1964.19	NMEA 0183	12	2	2
659551.573250	4047628.464554	66,100		-109.217091	36.560775	10/27/2012	114752	1965.10	NMEA 0183	12	2	2
659556.856790	4047638.289826	66,100		-109.217030	36.560862	10/27/2012	114930	1964.87	NMEA 0183	12	2	2
659564.884377	4047668.391896	66,100		-109.216934	36.561132	10/27/2012	114954	1964.24	NMEA 0183	12	2	2
659589.866461	4047656.044526	66,100		-109.216657	36.561017	11/2/2012	110921	1966.84	NMEA 0183	12	2	2
659551.268226	4047604.677966	66,300		-109.217099	36.560560	10/27/2012	115613	1965.90	NMEA 0183	12	2	2
659557.386956	4047639.472334	66,700		-109.217024	36.560873	10/27/2012	114931	1964.90	NMEA 0183	12	2	2
659549.397127	4047622.379553	66,900		-109.217116	36.560720	10/27/2012	114757	1965.31	NMEA 0183	12	2	2
659603.239498	4047700.264276	67,100		-109.216499	36.561413	11/2/2012	110521	1965.91	NMEA 0183	12	2	2
659567.814716	4047667.438178	67,200		-109.216901	36.561123	10/27/2012	115525	1964.14	NMEA 0183	12	2	2
659557.837860	4047640.664470	67,600		-109.217018	36.560883	10/27/2012	114932	1964.92	NMEA 0183	12	2	2
659581.875297	4047658.981535	67,600		-109.216746	36.561044	11/1/2012	162243	1964.38	NMEA 0183	12	2	2
659582.225254	4047711.717823	68,000		-109.216731	36.561520	10/27/2012	115805	1964.34	NMEA 0183	12	2	2
659562.311778	4047673.791407	68,100		-109.216962	36.561181	10/27/2012	114716	1963.20	NMEA 0183	12	2	2
659573.163803	4047631.484016	68,700		-109.216849	36.560798	11/2/2012	111454	1965.73	NMEA 0183	12	2	2
659549.883558	4047623.587144	68,800		-109.217111	36.560731	10/27/2012	114756	1965.28	NMEA 0183	12	2	2
659598.120129	4047664.859515	68,900		-109.216563	36.561095	11/2/2012	110556	1966.99	NMEA 0183	12	2	2
659555.506580	4047621.863954	69,100		-109.217048	36.560714	10/27/2012	115600	1965.21	NMEA 0183	12	2	2
659550.912458	4047603.263787	69,100		-109.217103	36.560548	10/27/2012	115614	1965.98	NMEA 0183	12	2	2
659591.749622	4047671.647950	69,800		-109.216633	36.561157	11/1/2012	162523	1964.81	NMEA 0183	12	2	2
659592.167037	4047671.507719	70,100		-109.216629	36.561156	11/1/2012	162524	1964.91	NMEA 0183	12	2	2
659549.004240	4047621.116356	70,400		-109.217121	36.560709	10/27/2012	114758	1965.39	NMEA 0183	12	2	2
659568.508959	4047670.232924	70,400		-109.216893	36.561148	10/27/2012	115523	1964.04	NMEA 0183	12	2	2
659570.236076	4047652.894899	70,400		-109.216877	36.560992	11/1/2012	161629	1963.86	NMEA 0183	12	2	2
659569.191413	4047628.523049	70,400		-109.216894	36.560772	11/1/2012	161947	1964.83	NMEA 0183	12	2	2
659588.642007	4047729.144000	70,700		-109.216656	36.561676	11/1/2012	161751	1964.48	NMEA 0183	12	2	2
659582.074025	4047659.932241	70,900		-109.216744	36.561053	11/1/2012	162242	1964.36	NMEA 0183	12	2	2
659566.453612	4047649.589721	71,300		-109.216920	36.560962	10/27/2012	115715	1964.96	NMEA 0183	12	2	2
659562.005444	4047672.527965	71,900		-109.216965	36.561170	10/27/2012	114717	1963.32	NMEA 0183	12	2	2
659573.639448	4047637.376570	72,000		-109.216843	36.560851	11/1/2012	162001	1964.35	NMEA 0183	12	2	2
659595.553349	4047687.240755	72,000										



**Transfer Station 1 North - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659587.898353	4047669.157180	72,300		-109.216677	36.561135	11/1/2012	162339	1964.30	NMEA 0183	12	2	2
659597.547507	4047661.219882	72,600		-109.216571	36.561062	11/2/2012	110600	1967.24	NMEA 0183	12	2	2
659539.079307	4047599.583695	73,200		-109.217236	36.560516	10/27/2012	113609	1964.58	NMEA 0183	12	2	2
659597.878642	4047663.961655	73,300		-109.216566	36.561087	11/2/2012	110557	1967.02	NMEA 0183	12	2	2
659557.459171	4047653.924978	73,600		-109.217020	36.561003	10/27/2012	114732	1964.10	NMEA 0183	12	2	2
659589.129560	4047728.842302	73,900		-109.216651	36.561673	11/1/2012	161752	1964.61	NMEA 0183	12	2	2
659588.218074	4047669.939962	74,100		-109.216673	36.561142	11/1/2012	162340	1964.40	NMEA 0183	12	2	2
659557.757517	4047655.136482	74,500		-109.217016	36.561014	10/27/2012	114731	1964.01	NMEA 0183	12	2	2
659597.608540	4047663.078062	74,500		-109.216570	36.561079	11/2/2012	110558	1967.11	NMEA 0183	12	2	2
659593.802884	4047664.322578	75,700		-109.216612	36.561091	11/2/2012	110659	1966.82	NMEA 0183	12	2	2
659559.742275	4047602.739443	76,100		-109.217005	36.560541	11/2/2012	111338	1966.33	NMEA 0183	12	2	2
659569.880110	4047676.676633	78,900		-109.216876	36.561206	10/27/2012	115518	1963.43	NMEA 0183	12	2	2
659565.711342	4047672.317389	79,700		-109.216924	36.561167	10/27/2012	114957	1964.02	NMEA 0183	12	2	2
659556.914647	4047656.784782	80,600		-109.217038	36.560488	11/2/2012	111346	1966.92	NMEA 0183	12	2	2
659593.656040	4047662.344429	82,000		-109.216614	36.561073	11/2/2012	110657	1966.86	NMEA 0183	12	2	2
659557.415464	4047598.262690	82,800		-109.217032	36.560501	11/2/2012	111344	1966.88	NMEA 0183	12	2	2
659571.618835	4047658.149499	83,000		-109.216861	36.561039	11/1/2012	161635	1963.91	NMEA 0183	12	2	2
659565.493323	4047671.038938	87,000		-109.216927	36.561156	10/27/2012	114956	1964.04	NMEA 0183	12	2	2
659557.143384	4047597.565876	87,400		-109.217035	36.560495	11/2/2012	111345	1966.82	NMEA 0183	12	2	2
659594.467199	4047683.774713	88,000		-109.216600	36.561266	11/1/2012	162509	1964.69	NMEA 0183	12	2	2
659595.084707	4047686.442263	93,400		-109.216593	36.561290	11/1/2012	162506	1964.62	NMEA 0183	12	2	2
659568.828620	4047659.512738	95,000		-109.216892	36.561051	10/27/2012	115724	1964.69	NMEA 0183	12	2	2
659582.171763	4047710.418377	95,400		-109.216732	36.561508	10/27/2012	115804	1964.32	NMEA 0183	12	2	2
659594.659290	4047684.680905	105,000		-109.216598	36.561274	11/1/2012	162508	1964.68	NMEA 0183	12	2	2
659600.543534	4047648.438886	107,000		-109.216540	36.560946	11/2/2012	110150	1969.38	NMEA 0183	12	2	2
659600.727311	4047649.391165	107,000		-109.216538	36.560955	11/2/2012	110151	1969.35	NMEA 0183	12	2	2
659569.572774	4047628.798320	108,000		-109.216890	36.560775	11/1/2012	161948	1964.87	NMEA 0183	12	2	2
659569.819906	4047629.472476	110,000		-109.216887	36.560781	11/1/2012	161949	1964.88	NMEA 0183	12	2	2
659568.603898	4047658.515309	112,000		-109.216894	36.561042	10/27/2012	115723	1964.82	NMEA 0183	12	2	2
659572.519678	4047634.435209	113,000		-109.216856	36.560825	11/1/2012	161957	1964.49	NMEA 0183	12	2	2
659574.540957	4047632.937484	117,000		-109.216833	36.560811	11/2/2012	111504	1965.76	NMEA 0183	12	2	2
659572.962693	4047636.052619	120,000		-109.216850	36.560839	11/1/2012	161959	1964.43	NMEA 0183	12	2	2
659573.265940	4047636.677875	125,000		-109.216847	36.560845	11/1/2012	162000	1964.38	NMEA 0183	12	2	2
659572.868360	4047635.346153	128,000		-109.216852	36.560833	11/1/2012	161958	1964.40	NMEA 0183	12	2	2
659594.875436	4047685.496910	135,000		-109.216595	36.561281	11/1/2012	162507	1964.61	NMEA 0183	12	2	2
659567.776572	4047654.367851	136,000		-109.216905	36.561005	10/27/2012	115719	1964.92	NMEA 0183	12	2	2
659568.513627	4047657.509276	146,000		-109.216896	36.561033	10/27/2012	115722	1964.78	NMEA 0183	12	2	2
659573.383639	4047632.342631	168,000		-109.216846	36.560806	11/2/2012	111502	1965.71	NMEA 0183	12	2	2
659570.425548	4047653.862080	178,000		-109.216875	36.561000	11/1/2012	161630	1963.91	NMEA 0183	12	2	2
659568.313851	4047656.534505	209,000		-109.216898	36.561025	10/27/2012	115721	1964.84	NMEA 0183	12	2	2
659567.991710	4047655.479780	223,000		-109.216902	36.561015	10/27/2012	115720	1964.89	NMEA 0183	12	2	2
659571.374002	4047657.351459	226,000		-109.216864	36.561032	11/1/2012	161634	1963.98	NMEA 0183	12	2	2
659571.015359	4047655.609838	305,000		-109.216868	36.561016	11/1/2012	161632	1964.03	NMEA 0183	12	2	2
659573.502438	4047632.775802	392,000		-109.216845	36.560810	11/2/2012	111456	1965.70	NMEA 0183	12	2	2
659573.527230	4047632.726322	468,000		-109.216845	36.560809	11/2/2012	111501	1965.68	NMEA 0183	12	2	2
659571.172306	4047656.480234	480,000		-109.216866	36.561024	11/1/2012	161633	1963.97	NMEA 0183	12	2	2
659573.513583	4047632.818551	607,000		-109.216845	36.560810	11/2/2012	111457	1965.71	NMEA 0183	12	2	2
659573.513617	4047632.816702	666,000		-109.216845	36.560810	11/2/2012	111458	1965.69	NMEA 0183	12	2	2
659573.533763	4047632.776383	675,000		-109.216845	36.560810	11/2/2012	111500	1965.70	NMEA 0183	12	2	2
659573.519755	4047632.807567	688,000		-109.216845	36.560810	11/2/2012	111459	1965.69	NMEA 0183	12	2	2



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659510.682610	4047396.624402	26,500		-109.217596	36.558692	10/1/2012	151742	1974.24	NMEA 0183	12	2	2
659522.648091	4047385.776060	26,600		-109.217464	36.558593	10/1/2012	150916	1976.58	NMEA 0183	12	2	2
659512.733071	4047396.211096	26,900		-109.217573	36.558688	10/1/2012	151728	1974.60	NMEA 0183	12	2	2
659514.645948	4047378.667503	27,000		-109.217555	36.558530	10/1/2012	150858	1975.30	NMEA 0183	12	2	2
659497.387420	4047393.072655	27,000		-109.217745	36.558663	10/1/2012	152047	1973.13	NMEA 0183	12	2	2
659523.937770	4047377.461756	27,300		-109.217452	36.558517	10/1/2012	150244	1976.63	NMEA 0183	12	2	2
659512.075460	4047395.462746	27,300		-109.217580	36.558682	10/1/2012	151727	1974.41	NMEA 0183	12	2	2
659521.179335	4047390.951892	27,400		-109.217480	36.558639	10/1/2012	151214	1976.30	NMEA 0183	12	2	2
659514.541539	4047379.470165	27,400		-109.217556	36.558537	10/1/2012	150859	1975.79	NMEA 0183	12	2	2
659497.047478	4047389.032273	27,400		-109.217749	36.558626	10/1/2012	152041	1973.20	NMEA 0183	12	2	2
659519.553386	4047382.309793	27,500		-109.217500	36.558562	10/1/2012	150558	1977.05	NMEA 0183	12	2	2
659507.939421	4047391.179983	27,500		-109.217627	36.558644	10/1/2012	151721	1973.99	NMEA 0183	12	2	2
659500.992970	4047404.642439	27,500		-109.217702	36.558766	10/1/2012	152119	1972.66	NMEA 0183	12	2	2
659496.522335	4047390.073140	27,500		-109.217755	36.558636	10/1/2012	152043	1973.13	NMEA 0183	12	2	2
659498.314811	4047396.091821	27,600		-109.217734	36.558690	10/1/2012	152158	1972.81	NMEA 0183	12	2	2
659497.392210	4047390.640457	27,600		-109.217745	36.558641	10/1/2012	152204	1972.90	NMEA 0183	12	2	2
659524.492057	4047377.666244	27,800		-109.217445	36.558519	10/1/2012	150240	1973.04	NMEA 0183	12	2	2
659520.678495	4047391.164566	27,800		-109.217485	36.558641	10/1/2012	151215	1975.89	NMEA 0183	12	2	2
659515.224536	4047384.806110	27,800		-109.217547	36.558585	10/1/2012	151202	1975.28	NMEA 0183	12	2	2
659498.137326	4047395.121166	27,800		-109.217736	36.558681	10/1/2012	152159	1972.79	NMEA 0183	12	2	2
659497.987702	4047394.176922	27,800		-109.217738	36.558672	10/1/2012	152200	1972.85	NMEA 0183	12	2	2
659523.975369	4047377.284887	27,900		-109.217451	36.558516	10/1/2012	150243	1976.67	NMEA 0183	12	2	2
659514.941994	4047383.143589	27,900		-109.217551	36.558570	10/1/2012	150903	1975.72	NMEA 0183	12	2	2
659509.992548	4047399.961323	27,900		-109.217603	36.558723	10/1/2012	151856	1973.73	NMEA 0183	12	2	2
659498.431844	4047386.718128	27,900		-109.217735	36.558605	10/1/2012	151949	1973.39	NMEA 0183	12	2	2
659519.638032	4047387.886200	28,000		-109.217497	36.558612	10/1/2012	151208	1976.14	NMEA 0183	12	2	2
659518.135737	4047388.753582	28,000		-109.217514	36.558620	10/1/2012	151220	1975.51	NMEA 0183	12	2	2
659508.182484	4047401.895797	28,000		-109.217622	36.558740	10/1/2012	151908	1973.47	NMEA 0183	12	2	2
659499.134618	4047396.462148	28,000		-109.217725	36.558693	10/1/2012	152051	1973.13	NMEA 0183	12	2	2
659496.446525	4047389.252341	28,000		-109.217756	36.558628	10/1/2012	152042	1973.12	NMEA 0183	12	2	2
659522.149259	4047384.270448	28,100		-109.217470	36.558579	10/1/2012	150913	1976.54	NMEA 0183	12	2	2
659515.467234	4047384.834654	28,100		-109.217545	36.558585	10/1/2012	151225	1975.26	NMEA 0183	12	2	2
659514.931934	4047370.967173	28,100		-109.217553	36.558460	10/1/2012	150532	1975.76	NMEA 0183	12	2	2
659508.694781	4047391.887602	28,100		-109.217619	36.558650	10/1/2012	151722	1974.18	NMEA 0183	12	2	2
659507.070313	4047403.371547	28,100		-109.217635	36.558754	10/1/2012	152008	1973.20	NMEA 0183	12	2	2
659499.582779	4047404.888200	28,100		-109.217718	36.558769	10/1/2012	152128	1972.57	NMEA 0183	12	2	2
659523.886677	4047377.642074	28,200		-109.217452	36.558519	10/1/2012	150245	1976.63	NMEA 0183	12	2	2
659514.821329	4047398.347304	28,200		-109.217549	36.558707	10/1/2012	151731	1974.46	NMEA 0183	12	2	2
659511.387808	4047401.648169	28,200		-109.217587	36.558737	10/1/2012	151858	1973.76	NMEA 0183	12	2	2
659508.926437	4047347.026849	28,200		-109.217626	36.558246	10/1/2012	150041	1975.67	NMEA 0183	12	2	2
659507.954293	4047405.270873	28,200		-109.217624	36.558771	10/1/2012	152010	1973.10	NMEA 0183	12	2	2
659507.857310	4047401.164708	28,200		-109.217626	36.558734	10/1/2012	151909	1973.40	NMEA 0183	12	2	2
659504.355839	4047402.335371	28,200		-109.217665	36.558745	10/1/2012	152024	1973.36	NMEA 0183	12	2	2
659502.810543	4047399.726471	28,200		-109.217683	36.558722	10/1/2012	152027	1973.26	NMEA 0183	12	2	2
659499.757264	4047385.893706	28,200		-109.217720	36.558597	10/1/2012	151928	1973.54	NMEA 0183	12	2	2
659522.786126	4047385.171935	28,300		-109.217463	36.558587	10/1/2012	150915	1976.62	NMEA 0183	12	2	2
659519.469272	4047371.230695	28,300		-109.217503	36.558462	10/1/2012	150227	1975.93	NMEA 0183	12	2	2
659515.886589	4047385.556392	28,300		-109.217540	36.558592	10/1/2012	151203	1975.37	NMEA 0183	12	2	2
659515.219491	4047398.924376	28,300		-109.217544	36.558712	10/1/2012	151732	1974.48	NMEA 0183	12	2	2
659513.956736	4047392.262584	28,300		-109.217560	36.558653	10/1/2012	151540	1974.89	NMEA 0183	12	2	2
659512.619242	4047385.688191	28,300		-109.217576	36.558593	10/1/2012	151521	1975.21	NMEA 0183	12	2	2
659502.353341	4047409.580317	28,300		-109.217686	36.558810	10/1/2012	152134	1972.85	NMEA 0183	12	2	2
659501.737744	4047406.404160	28,300		-109.217694	36.558782	10/1/2012	152117	1972.82	NMEA 0183	12	2	2
659497.525065	4047391.523352	28,300		-109.217744	36.558649	10/1/2012	152203	1972.84	NMEA 0183	12	2	2
659517.171843	4047387.059934	28,400		-109.217525	36.558605	10/1/2012	151222	1975.40	NMEA 0183	12	2	2
659522.226499	4047382.196576	28,500		-109.217470	36.558560	10/1/2012	150604	1977.26	NMEA 0183	12	2	2
659514.433581	4047380.383739	28,500		-109.217557	36.558545	10/1/2012	150900	1975.72	NMEA 0183	12	2	2
659513.665282	4047387.377812	28,500		-109.217564	36.558609	10/1/2012	151523	1975.37	NMEA 0183	12	2	2
659512.977811	4047391.138350	28,500		-109.217571	36.558643	10/1/2012	151542	1974.70	NMEA 0183	12	2	2
659509.399749	4047392.657175	28,500		-109.217611	36.558657	10/1/2012	151723	1974.18	NMEA 0183	12	2	2
659505.121325	4047404.106725	28,500		-109.217656	36.558761	10/1/2012	152022	1973.38	NMEA 0183	12	2	2
659501.431616	4047405.531001	28,500		-109.217697	36.558774	10/1/2012	152118	1972.81	NMEA 0183	12	2	2
659497.854494	4047393.876660	28,500		-109.217739	36.558670	10/1/2012	152048	1973.23	NMEA 0183	12	2	2
659522.089477	4047382.826615	28,600		-109.217471	36.558566	10/1/2012	150605	1977.10	NMEA 0183	12	2	2
659521.142451	4047388.594758	28,600		-109.217480	36.558618	10/1/2012	151210	1976.32	NMEA 0183	12	2	2
659510.966029	4047343.899907	28,600		-109.217603	36.558217	10/1/2012	145814	1976.06	NMEA 0183	12	2	2
659508.362314	4047397.426683	28,600		-109.217621	36.558700	10/1/2012	151853	1973.69	NMEA 0183	12	2	2
659506.421590	4047406.651895	28,600		-109.217641	36.558783	10/1/2012	152019	1973.27	NMEA 0183	12	2	2
659502.591213	4047385.234118	28,600		-109.217688	36.558591	10/1/2012	151756	1973.97	NMEA 0183	12	2	2
659499.539764	4047309.711954	28,600		-109.217738	36.557911	10/1/2012	145201	1976.90	NMEA 0183	12	2	2
659497.443946	4047311.202768	28,600		-109.217761	36.557925	10/1/2012	145637	1976.23	NMEA 0183	12	2	2
659523.490757	4047368.652847	28,700		-109.217458	36.558438	10/1/2012	145951	1976.90	NMEA 0183	12	2	2
659522.437561	4047376.043011	28,700		-109.217469	36.558505	10/1/2012	150234	1976.18	NMEA 0183	12	2	2
659520.456295	4047388.178815	28,700		-109.217488	36.558615	10/1/2012	151209	1976.28	NMEA 0183	12	2	2
659516.610142	4047376.870912	28,700		-109.217534	36.558513	10/1/2012	150621	1976.05	NMEA 0183	12	2	2
659516.567417	4047386.340315	28,700		-109.217532	36.558599	10/1/2012	151223	1975.41	NMEA 0183	12	2	2
659509.294373	4047403.011398	28,700		-109.217610	36.558750	10/1/2012	151906	1973.44	NMEA 0183	12	2	2
659502.181184	4047395.521655	28,700		-109.217691	36.558684	10/1/2012	151959	1973.17	NMEA 0183	12	2	2
659501.494822	4047314.527677	28,700		-109.217715	36.557954	10/1/2012	145212	1976.28	NMEA 0183	12	2	2
659501.376776	4047393.756979	28,700		-109.217700	36.558668	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659498.480850	4047391.561413	28,700		-109.217733	36.558649	10/1/2012	152037	1973.37	NMEA 0183	12	2	2
659521.602132	4047389.234009	28,800		-109.217475	36.558624	10/1/2012	151211	1976.42	NMEA 0183	12	2	2
659520.943725	4047381.847259	28,800		-109.217484	36.558557	10/1/2012	150600	1977.11	NMEA 0183	12	2	2
659519.496501	4047390.530422	28,800		-109.217498	36.558636	10/1/2012	151217	1975.93	NMEA 0183	12	2	2
659517.284655	4047392.002434	28,800		-109.217523	36.558650	10/1/2012	151529	1975.72	NMEA 0183	12	2	2
659515.838488	4047384.689865	28,800		-109.217541	36.558584	10/1/2012	150905	1975.74	NMEA 0183	12	2	2
659514.429134	4047377.886632	28,800		-109.217558	36.558523	10/1/2012	150857	1975.26	NMEA 0183	12	2	2
659512.102359	4047398.761166	28,800		-109.217579	36.558711	10/1/2012	151739	1974.36	NMEA 0183	12	2	2
659511.908589	4047341.109614	28,800		-109.217593	36.558192	10/1/2012	145713	1976.27	NMEA 0183	12	2	2
659510.683217	4047400.858257	28,800		-109.217595	36.558731	10/1/2012	151857	1973.71	NMEA 0183	12	2	2
659498.132818	4047311.633556	28,800		-109.217753	36.557929	10/1/2012	145636	1976.22	NMEA 0183	12	2	2
659518.998831	4047384.776192	28,900		-109.217505	36.558584	10/1/2012	150909	1976.32	NMEA 0183	12	2	2
659517.738029	4047394.833400	28,900		-109.217517	36.558675	10/1/2012	151534	1975.86	NMEA 0183	12	2	2
659515.377437	4047389.839986	28,900		-109.217545	36.558630	10/1/2012	151526	1975.47	NMEA 0183	12	2	2
659503.366123	4047400.585757	28,900		-109.217677	36.558729	10/1/2012	152026	1973.36	NMEA 0183	12	2	2
659503.052218	4047386.043560	28,900		-109.217683	36.558598	10/1/2012	151755	1973.96	NMEA 0183	12	2	2
659500.151285	4047394.825557	28,900		-109.217714	36.558678	10/1/2012	152033	1973.37	NMEA 0183	12	2	2
659499.615231	4047401.446607	28,900		-109.217718	36.558738	10/1/2012	152123	1972.60	NMEA 0183	12	2	2
659523.969402	4047377.284776	29,000		-109.217451	36.558516	10/1/2012	150242	1976.64	NMEA 0183	12	2	2
659521.990647	4047386.548124	29,000		-109.217471	36.558600	10/1/2012	150918	1976.48	NMEA 0183	12	2	2
659521.035068	4047369.191814	29,000		-109.217486	36.558443	10/1/2012	150009	1976.53	NMEA 0183	12	2	2
659517.668646	4047387.870040	29,000		-109.217519	36.558612	10/1/2012	151221	1975.54	NMEA 0183	12	2	2
659516.684705	4047391.282897	29,000		-109.217530	36.558643	10/1/2012	151528	1975.69	NMEA 0183	12	2	2
659515.241146	4047393.409129	29,000		-109.217545	36.558663	10/1/2012	151538	1975.07	NMEA 0183	12	2	2
659512.159938	4047379.795948	29,000		-109.217583	36.558540	10/1/2012	151156	1975.25	NMEA 0183	12	2	2
659511.454900	4047394.728032	29,000		-109.217587	36.558675	10/1/2012	151726	1974.42	NMEA 0183	12	2	2
659510.142095	4047393.342357	29,000		-109.217602	36.558663	10/1/2012	151724	1974.26	NMEA 0183	12	2	2
659509.718219	4047386.424217	29,000		-109.217609	36.558601	10/1/2012	151549	1974.58	NMEA 0183	12	2	2
659509.205921	4047344.507261	29,000		-109.217623	36.558223	10/1/2012	145922	1976.27	NMEA 0183	12	2	2
659507.256553	4047390.425617	29,000		-109.217635	36.558637	10/1/2012	151720	1974.00	NMEA 0183	12	2	2
659505.938916	4047405.884593	29,000		-109.217647	36.558777	10/1/2012	152020	1973.37	NMEA 0183	12	2	2
659505.043642	4047411.115449	29,000		-109.217656	36.558824	10/1/2012	152110	1972.85	NMEA 0183	12	2	2
659497.850098	4047393.308737	29,000		-109.217740	36.558665	10/1/2012	152201	1972.86	NMEA 0183	12	2	2
659522.473414	4047372.257448	29,100		-109.217469	36.558471	10/1/2012	150004	1976.86	NMEA 0183	12	2	2
659516.175005	4047382.796515	29,100		-109.217537	36.558567	10/1/2012	150613	1975.87	NMEA 0183	12	2	2
659513.481539	4047391.735875	29,100		-109.217565	36.558648	10/1/2012	151541	1974.79	NMEA 0183	12	2	2
659509.913731	4047403.649909	29,100		-109.217603	36.558756	10/1/2012	151905	1973.40	NMEA 0183	12	2	2
659507.668673	4047392.745316	29,100		-109.217630	36.558658	10/1/2012	151747	1973.95	NMEA 0183	12	2	2
659505.978742	4047397.295569	29,100		-109.217648	36.558699	10/1/2012	151914	1973.46	NMEA 0183	12	2	2
659502.736724	4047381.650349	29,100		-109.217687	36.558559	10/1/2012	151710	1974.24	NMEA 0183	12	2	2
659499.860146	4047405.139344	29,100		-109.217715	36.558771	10/1/2012	152148	1972.27	NMEA 0183	12	2	2
659496.716809	4047311.226285	29,100		-109.217769	36.557925	10/1/2012	145638	1976.25	NMEA 0183	12	2	2
659524.539328	4047377.611631	29,200		-109.217445	36.558519	10/1/2012	150239	1973.00	NMEA 0183	12	2	2
659521.547209	4047390.586933	29,200		-109.217476	36.558636	10/1/2012	151213	1976.43	NMEA 0183	12	2	2
659520.759651	4047368.513437	29,200		-109.217489	36.558437	10/1/2012	150010	1976.42	NMEA 0183	12	2	2
659516.545818	4047385.010018	29,200		-109.217533	36.558587	10/1/2012	150906	1975.88	NMEA 0183	12	2	2
659513.468284	4047396.959034	29,200		-109.217564	36.558695	10/1/2012	151729	1974.62	NMEA 0183	12	2	2
659502.635999	4047396.423465	29,200		-109.217686	36.558692	10/1/2012	152000	1973.16	NMEA 0183	12	2	2
659502.586383	4047407.875562	29,200		-109.217684	36.558795	10/1/2012	152115	1972.88	NMEA 0183	12	2	2
659501.902492	4047401.218953	29,200		-109.217693	36.558735	10/1/2012	152056	1973.06	NMEA 0183	12	2	2
659499.938161	4047402.218347	29,200		-109.217714	36.558745	10/1/2012	152122	1972.66	NMEA 0183	12	2	2
659499.768115	4047405.757270	29,200		-109.217716	36.558776	10/1/2012	152129	1972.67	NMEA 0183	12	2	2
659499.352165	4047309.125838	29,200		-109.217740	36.557906	10/1/2012	145158	1976.96	NMEA 0183	12	2	2
659514.146474	4047372.929887	29,300		-109.217562	36.558478	10/1/2012	150626	1975.62	NMEA 0183	12	2	2
659513.075720	4047386.580784	29,300		-109.217571	36.558601	10/1/2012	151522	1975.22	NMEA 0183	12	2	2
659511.518227	4047379.880235	29,300		-109.217590	36.558541	10/1/2012	151231	1975.04	NMEA 0183	12	2	2
659511.142005	4047371.840243	29,300		-109.217596	36.558469	10/1/2012	150850	1975.32	NMEA 0183	12	2	2
659505.780494	4047411.291876	29,300		-109.217647	36.558825	10/1/2012	152109	1972.83	NMEA 0183	12	2	2
659502.917948	4047411.401587	29,300		-109.217679	36.558827	10/1/2012	152137	1972.90	NMEA 0183	12	2	2
659501.769730	4047394.615100	29,300		-109.217696	36.558676	10/1/2012	151958	1973.23	NMEA 0183	12	2	2
659500.111884	4047383.989593	29,300		-109.217716	36.558580	10/1/2012	151837	1973.60	NMEA 0183	12	2	2
659498.854823	4047392.396986	29,300		-109.217729	36.558656	10/1/2012	152036	1973.35	NMEA 0183	12	2	2
659497.223464	4047312.310320	29,300		-109.217763	36.557935	10/1/2012	145640	1976.17	NMEA 0183	12	2	2
659524.038843	4047369.352925	29,400		-109.217452	36.558444	10/1/2012	145952	1976.97	NMEA 0183	12	2	2
659523.882070	4047366.218566	29,400		-109.217454	36.558416	10/1/2012	145747	1976.76	NMEA 0183	12	2	2
659522.662055	4047384.620289	29,400		-109.217464	36.558582	10/1/2012	150914	1976.63	NMEA 0183	12	2	2
659522.330664	4047376.738347	29,400		-109.217470	36.558511	10/1/2012	150254	1976.57	NMEA 0183	12	2	2
659521.805400	4047389.940643	29,400		-109.217473	36.558630	10/1/2012	151212	1976.15	NMEA 0183	12	2	2
659521.728040	4047376.323953	29,400		-109.217476	36.558508	10/1/2012	150255	1976.67	NMEA 0183	12	2	2
659521.426099	4047369.831642	29,400		-109.217481	36.558449	10/1/2012	150008	1976.54	NMEA 0183	12	2	2
659518.822764	4047385.017081	29,400		-109.217507	36.558586	10/1/2012	150923	1975.74	NMEA 0183	12	2	2
659518.574191	4047389.410936	29,400		-109.217509	36.558626	10/1/2012	151219	1975.83	NMEA 0183	12	2	2
659514.570899	4047392.778923	29,400		-109.217553	36.558657	10/1/2012	151539	1974.94	NMEA 0183	12	2	2
659512.285310	4047403.059439	29,400		-109.217576	36.558750	10/1/2012	151900	1973.77	NMEA 0183	12	2	2
659511.610826	4047374.240527	29,400		-109.217590	36.558490	10/1/2012	150936	1974.90	NMEA 0183	12	2	2
659510.521017	4047404.134675	29,400		-109.217596	36.558760	10/1/2012	151904	1973.43	NMEA 0183	12	2	2
659509.623497	4047345.325146	29,400		-109.217618	36.558230	10/1/2012	145923	1976.23	NMEA 0183	12	2	2
659504.727800	4047321.967691	29,400		-109.217678	36.558021	10/1/2012	145624	1975.86	NMEA 0183	12	2	2
659504.506984	4047394.824905	29,400		-109.217665	36.558677	10/1/2012	151917	1973.35	NMEA 0183	12	2	2
659497.208893	4047389.501376	29,400		-109.217748	36.558630	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659524.029127	4047378.007246	29,500		-109.217450	36.558522	10/1/2012	150247	1976.67	NMEA 0183	12	2	2
659519.845540	4047383.373207	29,500		-109.217496	36.558571	10/1/2012	150608	1976.93	NMEA 0183	12	2	2
659518.221923	4047393.924944	29,500		-109.217512	36.558667	10/1/2012	151532	1975.81	NMEA 0183	12	2	2
659515.319267	4047399.579151	29,500		-109.217543	36.558718	10/1/2012	151733	1974.47	NMEA 0183	12	2	2
659513.152372	4047375.280858	29,500		-109.217572	36.558500	10/1/2012	150854	1975.33	NMEA 0183	12	2	2
659512.804473	4047375.775664	29,500		-109.217576	36.558504	10/1/2012	150934	1975.01	NMEA 0183	12	2	2
659509.012451	4047341.581232	29,500		-109.217626	36.558197	10/1/2012	145818	1977.11	NMEA 0183	12	2	2
659506.067748	4047409.238542	29,500		-109.217645	36.558807	10/1/2012	152105	1973.04	NMEA 0183	12	2	2
659505.136758	4047407.621341	29,500		-109.217655	36.558792	10/1/2012	152103	1973.11	NMEA 0183	12	2	2
659505.110346	4047377.649165	29,500		-109.217662	36.558522	10/1/2012	151508	1974.78	NMEA 0183	12	2	2
659502.803420	4047410.254532	29,500		-109.217681	36.558816	10/1/2012	152135	1972.88	NMEA 0183	12	2	2
659500.655667	4047312.705019	29,500		-109.217725	36.557938	10/1/2012	145208	1976.33	NMEA 0183	12	2	2
659500.197001	4047403.066584	29,500		-109.217711	36.558752	10/1/2012	152121	1972.65	NMEA 0183	12	2	2
659499.340360	4047382.221827	29,500		-109.217725	36.558564	10/1/2012	151835	1973.52	NMEA 0183	12	2	2
659498.930638	4047381.463276	29,500		-109.217730	36.558558	10/1/2012	151834	1973.48	NMEA 0183	12	2	2
659496.607305	4047311.740307	29,500		-109.217770	36.557930	10/1/2012	145639	1976.24	NMEA 0183	12	2	2
659524.042687	4047377.839179	29,600		-109.217450	36.558521	10/1/2012	150246	1976.74	NMEA 0183	12	2	2
659520.651328	4047386.351280	29,600		-109.217486	36.558598	10/1/2012	150920	1976.02	NMEA 0183	12	2	2
659518.705641	4047373.545246	29,600		-109.217511	36.558483	10/1/2012	150304	1976.24	NMEA 0183	12	2	2
659518.163011	4047384.464755	29,600		-109.217515	36.558582	10/1/2012	150924	1975.74	NMEA 0183	12	2	2
659517.549635	4047383.744970	29,600		-109.217522	36.558575	10/1/2012	150925	1975.88	NMEA 0183	12	2	2
659516.798442	4047383.054074	29,600		-109.217530	36.558569	10/1/2012	150612	1975.94	NMEA 0183	12	2	2
659516.701288	4047369.538749	29,600		-109.217534	36.558447	10/1/2012	150324	1975.90	NMEA 0183	12	2	2
659514.840672	4047384.101678	29,600		-109.217552	36.558579	10/1/2012	151226	1975.10	NMEA 0183	12	2	2
659514.252515	4047340.884861	29,600		-109.217567	36.558189	10/1/2012	145603	1976.43	NMEA 0183	12	2	2
659503.534310	4047393.121848	29,600		-109.217676	36.558662	10/1/2012	151919	1973.42	NMEA 0183	12	2	2
659502.092855	4047407.130255	29,600		-109.217689	36.558788	10/1/2012	152116	1972.83	NMEA 0183	12	2	2
659499.287993	4047403.242099	29,600		-109.217722	36.558754	10/1/2012	152126	1972.51	NMEA 0183	12	2	2
659497.605505	4047392.416373	29,600		-109.217743	36.558657	10/1/2012	152202	1972.80	NMEA 0183	12	2	2
659523.541751	4047378.861997	29,700		-109.217456	36.558530	10/1/2012	150251	1976.53	NMEA 0183	12	2	2
659522.244532	4047381.706753	29,700		-109.217470	36.558556	10/1/2012	150603	1977.16	NMEA 0183	12	2	2
659520.713236	4047376.088733	29,700		-109.217488	36.558506	10/1/2012	150257	1976.65	NMEA 0183	12	2	2
659520.307674	4047382.109216	29,700		-109.217491	36.558560	10/1/2012	150559	1977.04	NMEA 0183	12	2	2
659520.022010	4047386.008527	29,700		-109.217494	36.558595	10/1/2012	150921	1975.95	NMEA 0183	12	2	2
659518.753501	4047387.546115	29,700		-109.217507	36.558609	10/1/2012	151207	1976.07	NMEA 0183	12	2	2
659517.066965	4047394.730328	29,700		-109.217525	36.558674	10/1/2012	151535	1975.61	NMEA 0183	12	2	2
659516.363764	4047343.230506	29,700		-109.217543	36.558210	10/1/2012	145512	1976.53	NMEA 0183	12	2	2
659515.735580	4047381.064498	29,700		-109.217542	36.558551	10/1/2012	150928	1975.34	NMEA 0183	12	2	2
659514.680086	4047384.070956	29,700		-109.217554	36.558579	10/1/2012	151201	1975.15	NMEA 0183	12	2	2
659514.316403	4047378.091703	29,700		-109.217559	36.558525	10/1/2012	150931	1975.20	NMEA 0183	12	2	2
659511.563912	4047398.185194	29,700		-109.217585	36.558706	10/1/2012	151740	1974.37	NMEA 0183	12	2	2
659511.477719	4047384.078184	29,700		-109.217589	36.558579	10/1/2012	151519	1975.24	NMEA 0183	12	2	2
659509.388048	4047395.220570	29,700		-109.217610	36.558680	10/1/2012	151744	1974.13	NMEA 0183	12	2	2
659508.255372	4047393.616276	29,700		-109.217623	36.558666	10/1/2012	151746	1974.03	NMEA 0183	12	2	2
659505.469527	4047404.964017	29,700		-109.217652	36.558768	10/1/2012	152021	1973.29	NMEA 0183	12	2	2
659504.790490	4047403.197965	29,700		-109.217660	36.558753	10/1/2012	152023	1973.37	NMEA 0183	12	2	2
659502.267909	4047398.893320	29,700		-109.217689	36.558714	10/1/2012	152028	1973.31	NMEA 0183	12	2	2
659501.167308	4047411.015856	29,700		-109.217699	36.558824	10/1/2012	152141	1972.73	NMEA 0183	12	2	2
659500.045620	4047406.001018	29,700		-109.217712	36.558779	10/1/2012	152147	1972.34	NMEA 0183	12	2	2
659499.717043	4047383.072248	29,700		-109.217721	36.558572	10/1/2012	151836	1973.61	NMEA 0183	12	2	2
659498.163640	4047394.748025	29,700		-109.217736	36.558678	10/1/2012	152049	1973.20	NMEA 0183	12	2	2
659522.304382	4047367.208476	29,800		-109.217472	36.558425	10/1/2012	145949	1976.80	NMEA 0183	12	2	2
659522.198822	4047371.856533	29,800		-109.217472	36.558467	10/1/2012	150005	1976.85	NMEA 0183	12	2	2
659520.565907	4047384.278091	29,800		-109.217488	36.558579	10/1/2012	150911	1976.44	NMEA 0183	12	2	2
659520.037588	4047390.964022	29,800		-109.217492	36.558640	10/1/2012	151216	1976.04	NMEA 0183	12	2	2
659519.075811	4047390.041716	29,800		-109.217503	36.558632	10/1/2012	151218	1975.90	NMEA 0183	12	2	2
659518.207327	4047393.343884	29,800		-109.217512	36.558662	10/1/2012	151531	1975.65	NMEA 0183	12	2	2
659517.034455	4047370.482696	29,800		-109.217530	36.558456	10/1/2012	150323	1975.94	NMEA 0183	12	2	2
659514.509682	4047381.269281	29,800		-109.217556	36.558553	10/1/2012	150901	1975.72	NMEA 0183	12	2	2
659513.802779	4047377.303481	29,800		-109.217565	36.558518	10/1/2012	150932	1975.12	NMEA 0183	12	2	2
659513.374781	4047399.668884	29,800		-109.217565	36.558719	10/1/2012	151737	1974.45	NMEA 0183	12	2	2
659513.246107	4047368.211394	29,800		-109.217573	36.558436	10/1/2012	150529	1975.77	NMEA 0183	12	2	2
659512.404833	4047390.654219	29,800		-109.217578	36.558638	10/1/2012	151543	1974.64	NMEA 0183	12	2	2
659511.599495	4047372.758750	29,800		-109.217590	36.558477	10/1/2012	150851	1975.28	NMEA 0183	12	2	2
659511.166589	4047397.482361	29,800		-109.217590	36.558700	10/1/2012	151741	1974.23	NMEA 0183	12	2	2
659510.538902	4047343.033754	29,800		-109.217608	36.558209	10/1/2012	145815	1976.12	NMEA 0183	12	2	2
659510.494419	4047388.020053	29,800		-109.217600	36.558615	10/1/2012	151547	1974.57	NMEA 0183	12	2	2
659507.255695	4047372.197326	29,800		-109.217639	36.558473	10/1/2012	151147	1975.24	NMEA 0183	12	2	2
659504.484860	4047410.509505	29,800		-109.217662	36.558819	10/1/2012	152111	1972.88	NMEA 0183	12	2	2
659501.766112	4047408.818476	29,800		-109.217693	36.558804	10/1/2012	152133	1972.80	NMEA 0183	12	2	2
659500.846642	4047410.283001	29,800		-109.217703	36.558817	10/1/2012	152142	1972.68	NMEA 0183	12	2	2
659497.580121	4047390.163032	29,800		-109.217743	36.558636	10/1/2012	152039	1973.30	NMEA 0183	12	2	2
659496.639214	4047388.275599	29,800		-109.217754	36.558619	10/1/2012	152207	1972.74	NMEA 0183	12	2	2
659524.337063	4047369.928145	29,900		-109.217449	36.558450	10/1/2012	145953	1977.02	NMEA 0183	12	2	2
659523.316380	4047377.979236	29,900		-109.217458	36.558522	10/1/2012	150252	1976.63	NMEA 0183	12	2	2
659521.947463	4047381.310971	29,900		-109.217473	36.558552	10/1/2012	150602	1977.15	NMEA 0183	12	2	2
659518.646266	4047373.608883	29,900		-109.217511	36.558484	10/1/2012	150317	1976.25	NMEA 0183	12	2	2
659518.115381	4047377.052334	29,900		-109.217517	36.558515	10/1/2012	150539	1976.12	NMEA 0183	12	2	2
659516.396479	4047377.610509	29,900		-109.217536	36.558520	10/1/2012	150620	1975.96	NMEA 0183	12	2	2
659515.219487	4047383.951480	29,900		-109.217548	36.558577	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659512.260484	4047366.321281	29,900		-109.217584	36.558419	10/1/2012	150527	1975.85	NMEA 0183	12	2	2
659509.135394	4047407.643668	29,900		-109.217611	36.558792	10/1/2012	152013	1973.09	NMEA 0183	12	2	2
659508.724601	4047402.434845	29,900		-109.217616	36.558745	10/1/2012	151907	1973.41	NMEA 0183	12	2	2
659508.470985	4047406.134988	29,900		-109.217618	36.558778	10/1/2012	152011	1973.09	NMEA 0183	12	2	2
659503.065362	4047372.855818	29,900		-109.217686	36.558479	10/1/2012	151502	1974.83	NMEA 0183	12	2	2
659501.102481	4047313.636274	29,900		-109.217720	36.557946	10/1/2012	145210	1976.29	NMEA 0183	12	2	2
659500.968497	4047313.136236	29,900		-109.217721	36.557942	10/1/2012	145209	1976.32	NMEA 0183	12	2	2
659500.633651	4047409.537345	29,900		-109.217705	36.558810	10/1/2012	152143	1972.59	NMEA 0183	12	2	2
659496.691845	4047390.749553	29,900		-109.217753	36.558642	10/1/2012	152044	1973.14	NMEA 0183	12	2	2
659523.919037	4047378.391782	30,000		-109.217452	36.558526	10/1/2012	150248	1976.69	NMEA 0183	12	2	2
659523.423606	4047365.594134	30,000		-109.217460	36.558411	10/1/2012	145748	1976.78	NMEA 0183	12	2	2
659522.909357	4047367.898511	30,000		-109.217465	36.558431	10/1/2012	145950	1976.85	NMEA 0183	12	2	2
659520.122001	4047376.025983	30,000		-109.217494	36.558505	10/1/2012	150258	1976.51	NMEA 0183	12	2	2
659516.220064	4047373.684137	30,000		-109.217539	36.558485	10/1/2012	150535	1975.83	NMEA 0183	12	2	2
659515.860041	4047393.992142	30,000		-109.217538	36.558668	10/1/2012	151537	1975.05	NMEA 0183	12	2	2
659515.243820	4047380.626264	30,000		-109.217548	36.558547	10/1/2012	150616	1975.77	NMEA 0183	12	2	2
659513.998919	4047399.968998	30,000		-109.217558	36.558722	10/1/2012	151736	1974.54	NMEA 0183	12	2	2
659513.514950	4047343.725196	30,000		-109.217575	36.558215	10/1/2012	145717	1976.28	NMEA 0183	12	2	2
659513.026891	4047338.176455	30,000		-109.217582	36.558165	10/1/2012	145606	1976.55	NMEA 0183	12	2	2
659512.637976	4047374.453779	30,000		-109.217578	36.558492	10/1/2012	150853	1975.26	NMEA 0183	12	2	2
659512.127766	4047403.750137	30,000		-109.217578	36.558756	10/1/2012	151901	1973.67	NMEA 0183	12	2	2
659512.012208	4047402.336714	30,000		-109.217580	36.558744	10/1/2012	151859	1973.74	NMEA 0183	12	2	2
659510.988650	4047388.646996	30,000		-109.217594	36.558620	10/1/2012	151546	1974.56	NMEA 0183	12	2	2
659505.809629	4047401.750084	30,000		-109.217649	36.558739	10/1/2012	152006	1973.26	NMEA 0183	12	2	2
659504.626264	4047319.072961	30,000		-109.217679	36.557995	10/1/2012	145443	1976.20	NMEA 0183	12	2	2
659504.614476	4047406.736777	30,000		-109.217661	36.558784	10/1/2012	152102	1973.10	NMEA 0183	12	2	2
659503.112288	4047410.818851	30,000		-109.217677	36.558822	10/1/2012	152136	1972.90	NMEA 0183	12	2	2
659502.434170	4047402.079645	30,000		-109.217687	36.558743	10/1/2012	152057	1973.08	NMEA 0183	12	2	2
659501.267509	4047400.215772	30,000		-109.217700	36.558726	10/1/2012	152055	1972.95	NMEA 0183	12	2	2
659499.456028	4047403.998020	30,000		-109.217719	36.558761	10/1/2012	152127	1972.57	NMEA 0183	12	2	2
659499.377922	4047384.945204	30,000		-109.217724	36.558589	10/1/2012	151929	1973.54	NMEA 0183	12	2	2
659499.257557	4047401.502866	30,000		-109.217722	36.558738	10/1/2012	152124	1972.58	NMEA 0183	12	2	2
659498.757113	4047398.715420	30,000		-109.217728	36.558713	10/1/2012	152155	1972.69	NMEA 0183	12	2	2
659497.907899	4047386.003701	30,000		-109.217741	36.558599	10/1/2012	151948	1973.27	NMEA 0183	12	2	2
659525.318982	4047361.955870	30,100		-109.217439	36.558378	10/1/2012	145537	1977.09	NMEA 0183	12	2	2
659522.813783	4047377.320693	30,100		-109.217464	36.558516	10/1/2012	150253	1976.53	NMEA 0183	12	2	2
659521.369301	4047384.165358	30,100		-109.217479	36.558578	10/1/2012	150912	1976.48	NMEA 0183	12	2	2
659520.422559	4047367.700742	30,100		-109.217493	36.558430	10/1/2012	150011	1976.41	NMEA 0183	12	2	2
659520.394405	4047360.042679	30,100		-109.217495	36.558361	10/1/2012	145755	1976.55	NMEA 0183	12	2	2
659518.816175	4047382.555078	30,100		-109.217508	36.558564	10/1/2012	150557	1977.04	NMEA 0183	12	2	2
659517.354213	4047371.345010	30,100		-109.217526	36.558463	10/1/2012	150322	1975.99	NMEA 0183	12	2	2
659514.394886	4047369.993552	30,100		-109.217560	36.558452	10/1/2012	150531	1975.80	NMEA 0183	12	2	2
659514.212716	4047388.113021	30,100		-109.217558	36.558615	10/1/2012	151524	1975.42	NMEA 0183	12	2	2
659513.810261	4047369.091185	30,100		-109.217566	36.558444	10/1/2012	150530	1975.73	NMEA 0183	12	2	2
659513.254246	4047371.233868	30,100		-109.217572	36.558463	10/1/2012	150628	1975.63	NMEA 0183	12	2	2
659512.848192	4047370.277473	30,100		-109.217577	36.558455	10/1/2012	150629	1975.52	NMEA 0183	12	2	2
659509.885920	4047356.043168	30,100		-109.217613	36.558327	10/1/2012	150339	1975.66	NMEA 0183	12	2	2
659506.929452	4047407.428912	30,100		-109.217635	36.558790	10/1/2012	152018	1973.31	NMEA 0183	12	2	2
659506.478891	4047410.000819	30,100		-109.217640	36.558814	10/1/2012	152106	1972.92	NMEA 0183	12	2	2
659505.953172	4047390.222043	30,100		-109.217650	36.558635	10/1/2012	151750	1973.91	NMEA 0183	12	2	2
659505.877911	4047394.282474	30,100		-109.217650	36.558672	10/1/2012	151849	1973.57	NMEA 0183	12	2	2
659505.180809	4047361.127571	30,100		-109.217664	36.558373	10/1/2012	150642	1975.64	NMEA 0183	12	2	2
659500.370769	4047391.920130	30,100		-109.217712	36.558652	10/1/2012	151955	1973.28	NMEA 0183	12	2	2
659500.145365	4047406.818561	30,100		-109.217711	36.558786	10/1/2012	152146	1972.38	NMEA 0183	12	2	2
659498.814114	4047312.151137	30,100		-109.217746	36.557933	10/1/2012	145635	1976.18	NMEA 0183	12	2	2
659518.254404	4047383.317818	30,200		-109.217514	36.558571	10/1/2012	150610	1976.68	NMEA 0183	12	2	2
659515.330413	4047381.428767	30,200		-109.217547	36.558555	10/1/2012	150615	1975.74	NMEA 0183	12	2	2
659514.832840	4047379.050145	30,200		-109.217553	36.558533	10/1/2012	150930	1975.18	NMEA 0183	12	2	2
659514.138403	4047376.987864	30,200		-109.217561	36.558515	10/1/2012	150856	1975.25	NMEA 0183	12	2	2
659514.131690	4047383.226600	30,200		-109.217560	36.558571	10/1/2012	151227	1975.01	NMEA 0183	12	2	2
659511.215212	4047404.358403	30,200		-109.217588	36.558762	10/1/2012	151903	1973.45	NMEA 0183	12	2	2
659510.786894	4047383.270031	30,200		-109.217597	36.558572	10/1/2012	151518	1975.20	NMEA 0183	12	2	2
659510.481476	4047337.598426	30,200		-109.217610	36.558161	10/1/2012	145709	1976.25	NMEA 0183	12	2	2
659508.595351	4047384.934784	30,200		-109.217621	36.558587	10/1/2012	151551	1974.54	NMEA 0183	12	2	2
659508.203702	4047384.167320	30,200		-109.217626	36.558581	10/1/2012	151552	1974.53	NMEA 0183	12	2	2
659505.440189	4047396.564224	30,200		-109.217654	36.558693	10/1/2012	151915	1973.44	NMEA 0183	12	2	2
659500.178025	4047406.586111	30,200		-109.217711	36.558784	10/1/2012	152130	1972.74	NMEA 0183	12	2	2
659499.221647	4047393.215780	30,200		-109.217724	36.558664	10/1/2012	152035	1973.30	NMEA 0183	12	2	2
659498.047639	4047390.782081	30,200		-109.217738	36.558642	10/1/2012	152038	1973.35	NMEA 0183	12	2	2
659497.256303	4047389.761206	30,200		-109.217747	36.558633	10/1/2012	152205	1972.95	NMEA 0183	12	2	2
659521.387278	4047383.115091	30,300		-109.217479	36.558569	10/1/2012	150606	1977.04	NMEA 0183	12	2	2
659519.937305	4047371.982929	30,300		-109.217497	36.558469	10/1/2012	150228	1976.06	NMEA 0183	12	2	2
659518.058559	4047382.613171	30,300		-109.217516	36.558565	10/1/2012	150556	1976.85	NMEA 0183	12	2	2
659515.292780	4047379.755988	30,300		-109.217548	36.558540	10/1/2012	150617	1975.76	NMEA 0183	12	2	2
659515.033796	4047400.006677	30,300		-109.217546	36.558722	10/1/2012	151734	1974.47	NMEA 0183	12	2	2
659514.226128	4047397.613059	30,300		-109.217556	36.558701	10/1/2012	151730	1974.52	NMEA 0183	12	2	2
659512.686002	4047399.313932	30,300		-109.217573	36.558716	10/1/2012	151738	1974.45	NMEA 0183	12	2	2
659510.057540	4047387.277645	30,300		-109.217605	36.558608	10/1/2012	151548	1974.65	NMEA 0183	12	2	2
659508.803528	4047394.473575	30,300		-109.217617	36.558673	10/1/2012	151745	1974.01	NMEA 0183	12	2	2
659508.657249	4047329.267095	30,300		-109.217632	36.558086	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659506.744586	4047410.640173	30,300		-109.217637	36.558819	10/1/2012	152107	1972.89	NMEA 0183	12	2	2
659506.510586	4047391.062867	30,300		-109.217643	36.558643	10/1/2012	151749	1973.93	NMEA 0183	12	2	2
659506.342287	4047338.072900	30,300		-109.217656	36.558165	10/1/2012	145915	1975.92	NMEA 0183	12	2	2
659504.928092	4047395.774181	30,300		-109.217660	36.558686	10/1/2012	151916	1973.37	NMEA 0183	12	2	2
659504.141739	4047377.980795	30,300		-109.217673	36.558525	10/1/2012	151600	1974.62	NMEA 0183	12	2	2
659503.098681	4047392.231492	30,300		-109.217681	36.558654	10/1/2012	151920	1973.46	NMEA 0183	12	2	2
659502.143513	4047384.350937	30,300		-109.217694	36.558583	10/1/2012	151757	1973.99	NMEA 0183	12	2	2
659501.162966	4047379.449693	30,300		-109.217705	36.558539	10/1/2012	151707	1974.17	NMEA 0183	12	2	2
659500.812571	4047392.799502	30,300		-109.217707	36.558660	10/1/2012	151956	1973.23	NMEA 0183	12	2	2
659499.672812	4047397.293367	30,300		-109.217718	36.558700	10/1/2012	152052	1973.08	NMEA 0183	12	2	2
659524.489675	4047377.714291	30,400		-109.217445	36.558520	10/1/2012	150241	1973.09	NMEA 0183	12	2	2
659521.769241	4047370.398446	30,400		-109.217477	36.558454	10/1/2012	150007	1976.68	NMEA 0183	12	2	2
659521.428138	4047381.393827	30,400		-109.217479	36.558553	10/1/2012	150601	1977.09	NMEA 0183	12	2	2
659521.171757	4047365.681867	30,400		-109.217485	36.558412	10/1/2012	145947	1976.80	NMEA 0183	12	2	2
659517.359845	4047385.128687	30,400		-109.217523	36.558588	10/1/2012	150907	1976.06	NMEA 0183	12	2	2
659516.438574	4047345.312746	30,400		-109.217542	36.558229	10/1/2012	145558	1976.34	NMEA 0183	12	2	2
659515.363835	4047358.534450	30,400		-109.217551	36.558348	10/1/2012	150027	1976.04	NMEA 0183	12	2	2
659514.767489	4047388.935300	30,400		-109.217552	36.558622	10/1/2012	151525	1975.44	NMEA 0183	12	2	2
659512.899870	4047342.694639	30,400		-109.217582	36.558206	10/1/2012	145715	1976.23	NMEA 0183	12	2	2
659509.028103	4047408.279808	30,400		-109.217612	36.558798	10/1/2012	152014	1973.07	NMEA 0183	12	2	2
659508.940440	4047406.890947	30,400		-109.217613	36.558785	10/1/2012	152012	1973.12	NMEA 0183	12	2	2
659506.849877	4047398.841374	30,400		-109.217638	36.558713	10/1/2012	151912	1973.44	NMEA 0183	12	2	2
659506.339403	4047332.995564	30,400		-109.217657	36.558120	10/1/2012	145828	1976.21	NMEA 0183	12	2	2
659503.892692	4047320.087768	30,400		-109.217687	36.558004	10/1/2012	145626	1975.95	NMEA 0183	12	2	2
659503.856070	4047404.824982	30,400		-109.217670	36.558767	10/1/2012	152100	1973.14	NMEA 0183	12	2	2
659503.073430	4047408.648494	30,400		-109.217678	36.558802	10/1/2012	152114	1972.85	NMEA 0183	12	2	2
659501.407046	4047314.030345	30,400		-109.217716	36.557950	10/1/2012	145211	1976.28	NMEA 0183	12	2	2
659500.662546	4047378.915119	30,400		-109.217711	36.558534	10/1/2012	151706	1974.14	NMEA 0183	12	2	2
659500.655450	4047399.183423	30,400		-109.217707	36.558717	10/1/2012	152054	1973.03	NMEA 0183	12	2	2
659499.668456	4047380.380111	30,400		-109.217722	36.558548	10/1/2012	151802	1973.76	NMEA 0183	12	2	2
659499.481206	4047309.248457	30,400		-109.217739	36.557907	10/1/2012	145200	1976.97	NMEA 0183	12	2	2
659498.762696	4047387.545503	30,400		-109.217731	36.558613	10/1/2012	151950	1973.45	NMEA 0183	12	2	2
659498.639022	4047397.921582	30,400		-109.217730	36.558706	10/1/2012	152156	1972.74	NMEA 0183	12	2	2
659496.948719	4047389.047090	30,400		-109.217751	36.558626	10/1/2012	152206	1972.88	NMEA 0183	12	2	2
659518.541537	4047369.598756	30,500		-109.217513	36.558448	10/1/2012	150225	1975.82	NMEA 0183	12	2	2
659515.642098	4047378.943069	30,500		-109.217544	36.558532	10/1/2012	150618	1975.84	NMEA 0183	12	2	2
659513.512380	4047382.343937	30,500		-109.217567	36.558563	10/1/2012	151159	1975.27	NMEA 0183	12	2	2
659512.190800	4047345.446719	30,500		-109.217589	36.558231	10/1/2012	145812	1976.18	NMEA 0183	12	2	2
659511.685552	4047335.673065	30,500		-109.217597	36.558143	10/1/2012	145609	1976.34	NMEA 0183	12	2	2
659511.677207	4047356.329772	30,500		-109.217593	36.558329	10/1/2012	150210	1975.63	NMEA 0183	12	2	2
659511.077669	4047378.209236	30,500		-109.217595	36.558526	10/1/2012	151154	1975.19	NMEA 0183	12	2	2
659509.326549	4047327.372515	30,500		-109.217625	36.558069	10/1/2012	145453	1976.35	NMEA 0183	12	2	2
659507.426922	4047408.122503	30,500		-109.217630	36.558797	10/1/2012	152017	1973.22	NMEA 0183	12	2	2
659507.066269	4047391.916606	30,500		-109.217637	36.558651	10/1/2012	151748	1973.91	NMEA 0183	12	2	2
659505.298508	4047400.826885	30,500		-109.217655	36.558731	10/1/2012	152005	1973.27	NMEA 0183	12	2	2
659501.354527	4047411.622311	30,500		-109.217697	36.558829	10/1/2012	152140	1972.70	NMEA 0183	12	2	2
659499.490191	4047403.201455	30,500		-109.217719	36.558753	10/1/2012	152150	1972.23	NMEA 0183	12	2	2
659498.560382	4047397.011948	30,500		-109.217731	36.558698	10/1/2012	152157	1972.73	NMEA 0183	12	2	2
659497.033405	4047392.287392	30,500		-109.217749	36.558656	10/1/2012	152046	1973.17	NMEA 0183	12	2	2
659520.209387	4047363.986398	30,600		-109.217496	36.558397	10/1/2012	145945	1976.78	NMEA 0183	12	2	2
659517.221614	4047386.709423	30,600		-109.217525	36.558602	10/1/2012	151205	1975.94	NMEA 0183	12	2	2
659516.431047	4047394.502131	30,600		-109.217532	36.558672	10/1/2012	151536	1975.21	NMEA 0183	12	2	2
659514.738282	4047373.686264	30,600		-109.217555	36.558485	10/1/2012	150625	1975.61	NMEA 0183	12	2	2
659513.890225	4047344.329588	30,600		-109.217571	36.558221	10/1/2012	145718	1976.24	NMEA 0183	12	2	2
659513.832623	4047339.950405	30,600		-109.217572	36.558181	10/1/2012	145604	1976.54	NMEA 0183	12	2	2
659512.434732	4047369.398625	30,600		-109.217582	36.558447	10/1/2012	150630	1975.56	NMEA 0183	12	2	2
659512.213920	4047380.586749	30,600		-109.217582	36.558548	10/1/2012	151230	1975.00	NMEA 0183	12	2	2
659511.794728	4047365.365628	30,600		-109.217590	36.558411	10/1/2012	150526	1975.74	NMEA 0183	12	2	2
659508.393298	4047346.164280	30,600		-109.217632	36.558238	10/1/2012	150042	1975.63	NMEA 0183	12	2	2
659508.229165	4047369.429801	30,600		-109.217629	36.558448	10/1/2012	150942	1974.92	NMEA 0183	12	2	2
659507.472172	4047331.294539	30,600		-109.217645	36.558104	10/1/2012	145702	1976.07	NMEA 0183	12	2	2
659505.658759	4047378.412136	30,600		-109.217656	36.558529	10/1/2012	151509	1974.81	NMEA 0183	12	2	2
659505.195404	4047393.589153	30,600		-109.217658	36.558666	10/1/2012	151848	1973.42	NMEA 0183	12	2	2
659503.362242	4047319.160512	30,600		-109.217693	36.557996	10/1/2012	145627	1975.98	NMEA 0183	12	2	2
659501.408346	4047397.286692	30,600		-109.217699	36.558700	10/1/2012	152030	1973.42	NMEA 0183	12	2	2
659500.701704	4047384.853212	30,600		-109.217710	36.558588	10/1/2012	151838	1973.66	NMEA 0183	12	2	2
659500.330857	4047407.759770	30,600		-109.217709	36.558794	10/1/2012	152145	1972.60	NMEA 0183	12	2	2
659522.437903	4047364.110942	30,700		-109.217471	36.558397	10/1/2012	145750	1976.66	NMEA 0183	12	2	2
659520.660473	4047383.201499	30,700		-109.217487	36.558570	10/1/2012	150607	1976.96	NMEA 0183	12	2	2
659519.021131	4047361.435903	30,700		-109.217510	36.558374	10/1/2012	145942	1976.66	NMEA 0183	12	2	2
659518.530399	4047377.766593	30,700		-109.217512	36.558521	10/1/2012	150540	1976.12	NMEA 0183	12	2	2
659518.398372	4047373.458166	30,700		-109.217514	36.558482	10/1/2012	150319	1976.20	NMEA 0183	12	2	2
659518.066426	4047372.850877	30,700		-109.217518	36.558477	10/1/2012	150320	1976.15	NMEA 0183	12	2	2
659517.063101	4047382.294302	30,700		-109.217527	36.558568	10/1/2012	150926	1975.87	NMEA 0183	12	2	2
659516.454971	4047382.102538	30,700		-109.217534	36.558561	10/1/2012	150927	1975.56	NMEA 0183	12	2	2
659516.110049	4047378.250727	30,700		-109.217539	36.558526	10/1/2012	150619	1975.93	NMEA 0183	12	2	2
659514.695671	4047382.264140	30,700		-109.217554	36.558562	10/1/2012	150902	1975.70	NMEA 0183	12	2	2
659513.404484	4047339.058338	30,700		-109.217577	36.558173	10/1/2012	145605	1976.55	NMEA 0183	12	2	2
659512.992257	4047381.503804	30,700		-109.217573	36.558556	10/1/2012	151158	1975.27	NMEA 0183	12	2	2
659512.120275	4047336.531961	30,700		-109.217592	36.558151	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659511.033253	4047379.075898	30,700		-109.217595	36.558534	10/1/2012	151232	1974.77	NMEA 0183	12	2	2
659510.077901	4047346.088225	30,700		-109.217613	36.558237	10/1/2012	145924	1976.15	NMEA 0183	12	2	2
659509.772008	4047341.499129	30,700		-109.217617	36.558196	10/1/2012	145817	1975.36	NMEA 0183	12	2	2
659507.754645	4047396.479498	30,700		-109.217628	36.558692	10/1/2012	151852	1973.64	NMEA 0183	12	2	2
659507.136468	4047395.696736	30,700		-109.217635	36.558685	10/1/2012	151851	1973.65	NMEA 0183	12	2	2
659505.009824	4047379.530243	30,700		-109.217663	36.558539	10/1/2012	151558	1974.55	NMEA 0183	12	2	2
659504.676500	4047392.924760	30,700		-109.217663	36.558660	10/1/2012	151847	1973.48	NMEA 0183	12	2	2
659504.291531	4047321.031082	30,700		-109.217683	36.558012	10/1/2012	145625	1975.91	NMEA 0183	12	2	2
659503.102074	4047382.548650	30,700		-109.217683	36.558567	10/1/2012	151711	1974.24	NMEA 0183	12	2	2
659524.885672	4047365.528755	30,800		-109.217443	36.558410	10/1/2012	145742	1976.82	NMEA 0183	12	2	2
659522.785980	4047362.399071	30,800		-109.217468	36.558382	10/1/2012	145738	1976.74	NMEA 0183	12	2	2
659521.725759	4047366.465289	30,800		-109.217479	36.558419	10/1/2012	145948	1976.79	NMEA 0183	12	2	2
659517.187774	4047367.041494	30,800		-109.217529	36.558425	10/1/2012	150222	1975.84	NMEA 0183	12	2	2
659516.580824	4047386.261028	30,800		-109.217532	36.558598	10/1/2012	151204	1975.46	NMEA 0183	12	2	2
659515.945693	4047344.371387	30,800		-109.217548	36.558221	10/1/2012	145559	1976.39	NMEA 0183	12	2	2
659513.684544	4047372.170367	30,800		-109.217567	36.558472	10/1/2012	150627	1975.59	NMEA 0183	12	2	2
659513.237956	4047358.829831	30,800		-109.217575	36.558351	10/1/2012	150213	1975.64	NMEA 0183	12	2	2
659508.788892	4047374.976171	30,800		-109.217621	36.558498	10/1/2012	151150	1975.15	NMEA 0183	12	2	2
659508.760036	4047408.814936	30,800		-109.217615	36.558803	10/1/2012	152015	1973.23	NMEA 0183	12	2	2
659507.881246	4047332.249140	30,800		-109.217640	36.558113	10/1/2012	145703	1976.06	NMEA 0183	12	2	2
659506.477237	4047402.522664	30,800		-109.217641	36.558746	10/1/2012	152007	1973.24	NMEA 0183	12	2	2
659503.451464	4047409.345419	30,800		-109.217674	36.558808	10/1/2012	152113	1972.94	NMEA 0183	12	2	2
659500.490411	4047312.282086	30,800		-109.217727	36.557934	10/1/2012	145207	1976.30	NMEA 0183	12	2	2
659500.273034	4047312.094942	30,800		-109.217729	36.557932	10/1/2012	145206	1976.31	NMEA 0183	12	2	2
659500.132731	4047313.707084	30,800		-109.217731	36.557947	10/1/2012	145633	1976.13	NMEA 0183	12	2	2
659498.957538	4047399.575522	30,800		-109.217726	36.558721	10/1/2012	152154	1972.60	NMEA 0183	12	2	2
659498.569777	4047383.382071	30,800		-109.217734	36.558575	10/1/2012	151931	1973.46	NMEA 0183	12	2	2
659523.803974	4047370.512000	30,900		-109.217454	36.558455	10/1/2012	145957	1977.05	NMEA 0183	12	2	2
659523.628953	4047378.826620	30,900		-109.217455	36.558530	10/1/2012	150249	1976.67	NMEA 0183	12	2	2
659522.048485	4047353.965805	30,900		-109.217478	36.558306	10/1/2012	145525	1976.75	NMEA 0183	12	2	2
659521.944252	4047371.019472	30,900		-109.217475	36.558460	10/1/2012	150006	1976.75	NMEA 0183	12	2	2
659518.607670	4047373.517535	30,900		-109.217512	36.558483	10/1/2012	150318	1976.23	NMEA 0183	12	2	2
659517.742365	4047372.140155	30,900		-109.217522	36.558471	10/1/2012	150321	1976.08	NMEA 0183	12	2	2
659517.610255	4047362.684157	30,900		-109.217525	36.558385	10/1/2012	150018	1976.16	NMEA 0183	12	2	2
659517.304526	4047378.855507	30,900		-109.217525	36.558531	10/1/2012	150545	1973.38	NMEA 0183	12	2	2
659516.663597	4047374.550595	30,900		-109.217533	36.558492	10/1/2012	150536	1975.95	NMEA 0183	12	2	2
659515.046553	4047342.645647	30,900		-109.217558	36.558205	10/1/2012	145601	1976.44	NMEA 0183	12	2	2
659514.730462	4047346.979060	30,900		-109.217561	36.558244	10/1/2012	145721	1976.19	NMEA 0183	12	2	2
659513.768136	4047364.118552	30,900		-109.217568	36.558399	10/1/2012	150330	1975.79	NMEA 0183	12	2	2
659512.711367	4047357.935939	30,900		-109.217581	36.558343	10/1/2012	150212	1975.69	NMEA 0183	12	2	2
659512.232331	4047375.004854	30,900		-109.217583	36.558497	10/1/2012	150935	1974.86	NMEA 0183	12	2	2
659510.791511	4047394.049862	30,900		-109.217595	36.558669	10/1/2012	151725	1974.26	NMEA 0183	12	2	2
659509.312287	4047399.227351	30,900		-109.217610	36.558716	10/1/2012	151855	1973.73	NMEA 0183	12	2	2
659507.466913	4047400.410214	30,900		-109.217631	36.558727	10/1/2012	151910	1973.49	NMEA 0183	12	2	2
659507.344324	4047367.576700	30,900		-109.217639	36.558431	10/1/2012	150944	1975.00	NMEA 0183	12	2	2
659506.969234	4047379.601704	30,900		-109.217641	36.558540	10/1/2012	151511	1974.66	NMEA 0183	12	2	2
659506.508587	4047394.954488	30,900		-109.217643	36.558678	10/1/2012	151850	1973.62	NMEA 0183	12	2	2
659500.880628	4047396.453817	30,900		-109.217705	36.558692	10/1/2012	152031	1973.38	NMEA 0183	12	2	2
659522.362790	4047372.268344	31,000		-109.217470	36.558471	10/1/2012	150003	1976.84	NMEA 0183	12	2	2
659519.688691	4047366.155630	31,000		-109.217501	36.558416	10/1/2012	150013	1976.41	NMEA 0183	12	2	2
659517.950838	4047383.191964	31,000		-109.217517	36.558570	10/1/2012	150553	1968.33	NMEA 0183	12	2	2
659512.023519	4047332.976995	31,000		-109.217594	36.558119	10/1/2012	145500	1976.56	NMEA 0183	12	2	2
659510.426764	4047372.751809	31,000		-109.217603	36.558477	10/1/2012	150938	1974.85	NMEA 0183	12	2	2
659510.399701	4047356.903529	31,000		-109.217607	36.558334	10/1/2012	150338	1975.68	NMEA 0183	12	2	2
659510.398519	4047382.406445	31,000		-109.217602	36.558564	10/1/2012	151517	1975.15	NMEA 0183	12	2	2
659509.842791	4047371.975231	31,000		-109.217610	36.558470	10/1/2012	150939	1974.85	NMEA 0183	12	2	2
659508.125738	4047328.397158	31,000		-109.217638	36.558078	10/1/2012	145617	1976.00	NMEA 0183	12	2	2
659507.850836	4047368.507213	31,000		-109.217633	36.558439	10/1/2012	150943	1974.95	NMEA 0183	12	2	2
659506.615051	4047338.975034	31,000		-109.217653	36.558174	10/1/2012	145916	1975.96	NMEA 0183	12	2	2
659502.687295	4047391.321239	31,000		-109.217686	36.558646	10/1/2012	151921	1973.44	NMEA 0183	12	2	2
659501.140118	4047408.135451	31,000		-109.217700	36.558798	10/1/2012	152132	1972.82	NMEA 0183	12	2	2
659500.922322	4047388.327240	31,000		-109.217706	36.558619	10/1/2012	151925	1973.51	NMEA 0183	12	2	2
659499.628584	4047404.188032	31,000		-109.217718	36.558762	10/1/2012	152149	1972.28	NMEA 0183	12	2	2
659499.112926	4047402.382467	31,000		-109.217724	36.558746	10/1/2012	152125	1972.48	NMEA 0183	12	2	2
659498.999794	4047400.355006	31,000		-109.217725	36.558728	10/1/2012	152153	1972.52	NMEA 0183	12	2	2
659523.440148	4047379.191200	31,100		-109.217457	36.558533	10/1/2012	150250	1976.58	NMEA 0183	12	2	2
659519.418299	4047375.187996	31,100		-109.217502	36.558498	10/1/2012	150300	1976.39	NMEA 0183	12	2	2
659515.235393	4047340.588640	31,100		-109.217556	36.558187	10/1/2012	145509	1976.57	NMEA 0183	12	2	2
659514.152718	4047345.222284	31,100		-109.217568	36.558229	10/1/2012	145719	1976.18	NMEA 0183	12	2	2
659513.382616	4047376.544736	31,100		-109.217570	36.558511	10/1/2012	150933	1975.04	NMEA 0183	12	2	2
659508.754718	4047398.314388	31,100		-109.217617	36.558708	10/1/2012	151854	1973.70	NMEA 0183	12	2	2
659506.761721	4047366.726162	31,100		-109.217646	36.558424	10/1/2012	150945	1974.96	NMEA 0183	12	2	2
659506.672984	4047333.917323	31,100		-109.217653	36.558128	10/1/2012	145827	1976.24	NMEA 0183	12	2	2
659506.514311	4047398.026858	31,100		-109.217642	36.558706	10/1/2012	151913	1973.54	NMEA 0183	12	2	2
659505.875368	4047361.412343	31,100		-109.217657	36.558376	10/1/2012	150641	1975.67	NMEA 0183	12	2	2
659501.793462	4047398.004094	31,100		-109.217695	36.558706	10/1/2012	152029	1973.32	NMEA 0183	12	2	2
659500.648315	4047381.937178	31,100		-109.217711	36.558562	10/1/2012	151800	1973.86	NMEA 0183	12	2	2
659496.901556	4047384.989939	31,100		-109.217752	36.558590	10/1/2012	151946	1973.00	NMEA 0183	12	2	2
659520.645925	4047364.908215	31,200		-109.217491	36.558405	10/1/2012	145946	1976.83	NMEA 0183	12	2	2
659518.737122	4047373.778885	31,200		-109.217510	36.558485	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659517.553418	4047383.138356	31,200		-109.217522	36.558570	10/1/2012	150611	1976.18	NMEA 0183	12	2	2
659515.757756	4047372.784037	31,200		-109.217544	36.558477	10/1/2012	150534	1975.82	NMEA 0183	12	2	2
659515.655229	4047382.259731	31,200		-109.217543	36.558562	10/1/2012	150614	1975.73	NMEA 0183	12	2	2
659515.474741	4047343.454481	31,200		-109.217553	36.558212	10/1/2012	145600	1976.39	NMEA 0183	12	2	2
659511.685422	4047344.777027	31,200		-109.217595	36.558225	10/1/2012	145813	1976.14	NMEA 0183	12	2	2
659507.851227	4047345.381080	31,200		-109.217638	36.558231	10/1/2012	150043	1975.48	NMEA 0183	12	2	2
659506.121938	4047324.762453	31,200		-109.217661	36.558046	10/1/2012	145621	1975.80	NMEA 0183	12	2	2
659503.073637	4047317.100205	31,200		-109.217697	36.557977	10/1/2012	145440	1976.26	NMEA 0183	12	2	2
659502.328142	4047411.664402	31,200		-109.217686	36.558829	10/1/2012	152138	1972.82	NMEA 0183	12	2	2
659501.618091	4047389.673731	31,200		-109.217698	36.558631	10/1/2012	151923	1973.39	NMEA 0183	12	2	2
659497.484566	4047385.496450	31,200		-109.217745	36.558594	10/1/2012	151947	1973.15	NMEA 0183	12	2	2
659496.888102	4047391.432011	31,200		-109.217751	36.558648	10/1/2012	152045	1973.14	NMEA 0183	12	2	2
659524.531692	4047360.716809	31,300		-109.217448	36.558366	10/1/2012	145539	1977.03	NMEA 0183	12	2	2
659522.261229	4047361.647635	31,300		-109.217474	36.558375	10/1/2012	145737	1976.74	NMEA 0183	12	2	2
659515.316298	4047371.886174	31,300		-109.217549	36.558469	10/1/2012	150533	1975.81	NMEA 0183	12	2	2
659515.256485	4047380.023514	31,300		-109.217548	36.558542	10/1/2012	150929	1975.32	NMEA 0183	12	2	2
659514.852028	4047357.809150	31,300		-109.217557	36.558342	10/1/2012	150028	1976.02	NMEA 0183	12	2	2
659508.837663	4047326.618045	31,300		-109.217631	36.558062	10/1/2012	145452	1976.25	NMEA 0183	12	2	2
659506.767859	4047389.580519	31,300		-109.217641	36.558630	10/1/2012	151719	1973.96	NMEA 0183	12	2	2
659506.631076	4047381.905646	31,300		-109.217644	36.558560	10/1/2012	151555	1974.47	NMEA 0183	12	2	2
659506.262449	4047379.091049	31,300		-109.217649	36.558535	10/1/2012	151510	1974.77	NMEA 0183	12	2	2
659505.201342	4047322.825456	31,300		-109.217672	36.558028	10/1/2012	145623	1975.84	NMEA 0183	12	2	2
659503.409184	4047390.211883	31,300		-109.217678	36.558636	10/1/2012	151844	1973.54	NMEA 0183	12	2	2
659500.547450	4047403.883225	31,300		-109.217707	36.558759	10/1/2012	152120	1972.72	NMEA 0183	12	2	2
659521.849898	4047374.741064	31,400		-109.217475	36.558493	10/1/2012	150232	1976.41	NMEA 0183	12	2	2
659521.332361	4047359.915794	31,400		-109.217484	36.558360	10/1/2012	145735	1976.63	NMEA 0183	12	2	2
659512.974424	4047381.338855	31,400		-109.217573	36.558554	10/1/2012	151229	1975.08	NMEA 0183	12	2	2
659510.861710	4047338.498853	31,400		-109.217606	36.558169	10/1/2012	145710	1976.28	NMEA 0183	12	2	2
659510.096602	4047342.261651	31,400		-109.217613	36.558203	10/1/2012	145816	1975.76	NMEA 0183	12	2	2
659509.361363	4047360.916514	31,400		-109.217618	36.558371	10/1/2012	150521	1975.91	NMEA 0183	12	2	2
659506.023605	4047321.453461	31,400		-109.217663	36.558016	10/1/2012	145446	1976.21	NMEA 0183	12	2	2
659505.623599	4047408.405367	31,400		-109.217650	36.558799	10/1/2012	152104	1973.04	NMEA 0183	12	2	2
659502.914686	4047402.963435	31,400		-109.217681	36.558751	10/1/2012	152058	1973.15	NMEA 0183	12	2	2
659501.633330	4047380.076194	31,400		-109.217700	36.558545	10/1/2012	151708	1974.24	NMEA 0183	12	2	2
659499.338809	4047389.148728	31,400		-109.217724	36.558627	10/1/2012	151952	1973.40	NMEA 0183	12	2	2
659499.136960	4047388.284901	31,400		-109.217726	36.558619	10/1/2012	151951	1973.43	NMEA 0183	12	2	2
659496.460288	4047387.382603	31,400		-109.217756	36.558611	10/1/2012	152208	1972.81	NMEA 0183	12	2	2
659525.256814	4047366.275494	31,500		-109.217439	36.558416	10/1/2012	145743	1976.89	NMEA 0183	12	2	2
659519.691668	4047384.509738	31,500		-109.217497	36.558582	10/1/2012	150910	1976.37	NMEA 0183	12	2	2
659516.614940	4047344.089699	31,500		-109.217540	36.558218	10/1/2012	145513	1976.57	NMEA 0183	12	2	2
659513.322673	4047343.311010	31,500		-109.217577	36.558212	10/1/2012	145716	1976.26	NMEA 0183	12	2	2
659513.190952	4047351.141825	31,500		-109.217577	36.558282	10/1/2012	145930	1976.38	NMEA 0183	12	2	2
659513.046205	4047335.524419	31,500		-109.217582	36.558141	10/1/2012	145503	1976.64	NMEA 0183	12	2	2
659510.030485	4047395.902050	31,500		-109.217603	36.558686	10/1/2012	151743	1974.18	NMEA 0183	12	2	2
659510.014893	4047381.528151	31,500		-109.217606	36.558556	10/1/2012	151516	1975.11	NMEA 0183	12	2	2
659507.562265	4047374.254268	31,500		-109.217635	36.558491	10/1/2012	151238	1974.90	NMEA 0183	12	2	2
659504.810353	4047386.105741	31,500		-109.217663	36.558599	10/1/2012	151715	1974.02	NMEA 0183	12	2	2
659504.493474	4047378.808558	31,500		-109.217668	36.558533	10/1/2012	151559	1974.70	NMEA 0183	12	2	2
659502.211765	4047380.749089	31,500		-109.217694	36.558551	10/1/2012	151709	1974.25	NMEA 0183	12	2	2
659525.019388	4047367.170021	31,600		-109.217442	36.558425	10/1/2012	145745	1976.80	NMEA 0183	12	2	2
659522.866258	4047370.465023	31,600		-109.217465	36.558455	10/1/2012	145959	1976.96	NMEA 0183	12	2	2
659516.150913	4047375.160723	31,600		-109.217539	36.558498	10/1/2012	150623	1975.96	NMEA 0183	12	2	2
659516.000488	4047342.300798	31,600		-109.217547	36.558202	10/1/2012	145511	1976.55	NMEA 0183	12	2	2
659514.650854	4047341.774527	31,600		-109.217563	36.558197	10/1/2012	145602	1976.41	NMEA 0183	12	2	2
659514.068336	4047383.182884	31,600		-109.217561	36.558571	10/1/2012	151200	1975.38	NMEA 0183	12	2	2
659513.602302	4047355.274163	31,600		-109.217572	36.558319	10/1/2012	150031	1975.85	NMEA 0183	12	2	2
659512.699766	4047367.256097	31,600		-109.217579	36.558427	10/1/2012	150528	1975.78	NMEA 0183	12	2	2
659511.193609	4047339.350294	31,600		-109.217602	36.558176	10/1/2012	145711	1976.29	NMEA 0183	12	2	2
659510.540642	4047377.476070	31,600		-109.217601	36.558520	10/1/2012	151153	1975.15	NMEA 0183	12	2	2
659509.657374	4047368.292845	31,600		-109.217613	36.558437	10/1/2012	150846	1975.30	NMEA 0183	12	2	2
659508.175147	4047358.658303	31,600		-109.217631	36.558351	10/1/2012	150518	1975.82	NMEA 0183	12	2	2
659504.363082	4047359.839857	31,600		-109.217674	36.558362	10/1/2012	150644	1975.50	NMEA 0183	12	2	2
659500.177887	4047311.673309	31,600		-109.217731	36.557929	10/1/2012	145205	1976.38	NMEA 0183	12	2	2
659499.025380	4047384.080434	31,600		-109.217728	36.558581	10/1/2012	151930	1973.48	NMEA 0183	12	2	2
659496.145337	4047385.697286	31,600		-109.217760	36.558596	10/1/2012	152210	1972.64	NMEA 0183	12	2	2
659525.842948	4047361.059255	31,700		-109.217434	36.558369	10/1/2012	145534	1977.17	NMEA 0183	12	2	2
659525.306096	4047366.836851	31,700		-109.217438	36.558422	10/1/2012	145744	1976.89	NMEA 0183	12	2	2
659524.206327	4047359.915429	31,700		-109.217452	36.558359	10/1/2012	145540	1977.11	NMEA 0183	12	2	2
659522.979508	4047364.838645	31,700		-109.217465	36.558404	10/1/2012	145749	1976.71	NMEA 0183	12	2	2
659522.101002	4047371.418203	31,700		-109.217473	36.558463	10/1/2012	150001	1976.94	NMEA 0183	12	2	2
659517.662788	4047347.936043	31,700		-109.217528	36.558252	10/1/2012	145555	1976.43	NMEA 0183	12	2	2
659516.642692	4047381.393903	31,700		-109.217532	36.558554	10/1/2012	150551	1972.79	NMEA 0183	12	2	2
659515.248883	4047366.748453	31,700		-109.217551	36.558422	10/1/2012	150327	1975.85	NMEA 0183	12	2	2
659513.618840	4047337.234859	31,700		-109.217575	36.558157	10/1/2012	145505	1976.70	NMEA 0183	12	2	2
659509.319320	4047375.823893	31,700		-109.217615	36.558505	10/1/2012	151151	1975.17	NMEA 0183	12	2	2
659506.482582	4047329.376609	31,700		-109.217656	36.558087	10/1/2012	145700	1975.88	NMEA 0183	12	2	2
659506.426209	4047372.751643	31,700		-109.217648	36.558478	10/1/2012	151240	1974.74	NMEA 0183	12	2	2
659506.059414	4047381.108950	31,700		-109.217650	36.558553	10/1/2012	151556	1974.38	NMEA 0183	12	2	2
659504.684400	4047360.537581	31,700		-109.217670	36.558368	10/1/2012	150643	1975.50	NMEA 0183	12	2	2
659500.162605	4047398.240216	31,700		-109.217713	36.558709	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659523.814583	4047363.982940	31,800		-109.217456	36.558396	10/1/2012	145740	1976.73	NMEA 0183	12	2	2
659522.159607	4047375.501461	31,800		-109.217472	36.558500	10/1/2012	150233	1976.38	NMEA 0183	12	2	2
659518.205966	4047394.544280	31,800		-109.217512	36.558672	10/1/2012	151533	1975.90	NMEA 0183	12	2	2
659518.117396	4047368.732657	31,800		-109.217518	36.558440	10/1/2012	150224	1975.86	NMEA 0183	12	2	2
659517.451905	4047352.550703	31,800		-109.217529	36.558294	10/1/2012	145727	1976.28	NMEA 0183	12	2	2
659516.978678	4047344.913985	31,800		-109.217536	36.558225	10/1/2012	145514	1976.52	NMEA 0183	12	2	2
659513.688320	4047376.152728	31,800		-109.217566	36.558507	10/1/2012	150855	1975.16	NMEA 0183	12	2	2
659513.183832	4047347.259283	31,800		-109.217578	36.558247	10/1/2012	145810	1976.08	NMEA 0183	12	2	2
659510.738952	4047370.963438	31,800		-109.217600	36.558461	10/1/2012	150849	1975.29	NMEA 0183	12	2	2
659510.357829	4047370.111085	31,800		-109.217605	36.558453	10/1/2012	150848	1975.31	NMEA 0183	12	2	2
659508.712666	4047370.313646	31,800		-109.217623	36.558456	10/1/2012	150941	1974.89	NMEA 0183	12	2	2
659508.161086	4047375.034820	31,800		-109.217628	36.558498	10/1/2012	151237	1974.80	NMEA 0183	12	2	2
659505.571148	4047380.321198	31,800		-109.217656	36.558546	10/1/2012	151557	1974.51	NMEA 0183	12	2	2
659504.897631	4047377.049636	31,800		-109.217664	36.558517	10/1/2012	151507	1974.70	NMEA 0183	12	2	2
659501.210085	4047388.983649	31,800		-109.217703	36.558625	10/1/2012	151924	1973.44	NMEA 0183	12	2	2
659499.416385	4047402.192029	31,800		-109.217720	36.558744	10/1/2012	152151	1972.28	NMEA 0183	12	2	2
659524.328187	4047370.567958	31,900		-109.217449	36.558455	10/1/2012	145955	1976.64	NMEA 0183	12	2	2
659519.206718	4047365.430883	31,900		-109.217507	36.558410	10/1/2012	150014	1976.42	NMEA 0183	12	2	2
659518.255720	4047364.168442	31,900		-109.217518	36.558399	10/1/2012	150016	1976.21	NMEA 0183	12	2	2
659517.873305	4047353.564723	31,900		-109.217524	36.558303	10/1/2012	145728	1976.37	NMEA 0183	12	2	2
659517.149105	4047379.270647	31,900		-109.217527	36.558535	10/1/2012	150546	1973.29	NMEA 0183	12	2	2
659515.817021	4047359.282709	31,900		-109.217546	36.558355	10/1/2012	150026	1976.05	NMEA 0183	12	2	2
659514.880790	4047365.837153	31,900		-109.217555	36.558414	10/1/2012	150328	1975.83	NMEA 0183	12	2	2
659514.436266	4047346.106123	31,900		-109.217564	36.558237	10/1/2012	145720	1976.26	NMEA 0183	12	2	2
659509.409929	4047355.237147	31,900		-109.217618	36.558320	10/1/2012	150340	1975.65	NMEA 0183	12	2	2
659509.118253	4047367.511550	31,900		-109.217619	36.558430	10/1/2012	150845	1975.25	NMEA 0183	12	2	2
659508.955927	4047360.087756	31,900		-109.217622	36.558363	10/1/2012	150520	1975.92	NMEA 0183	12	2	2
659507.155733	4047334.841846	31,900		-109.217648	36.558136	10/1/2012	145826	1976.25	NMEA 0183	12	2	2
659506.468048	4047342.558776	31,900		-109.217654	36.558206	10/1/2012	150046	1975.41	NMEA 0183	12	2	2
659501.261708	4047385.634895	31,900		-109.217703	36.558595	10/1/2012	151839	1973.67	NMEA 0183	12	2	2
659499.630570	4047377.915678	31,900		-109.217723	36.558526	10/1/2012	151704	1973.78	NMEA 0183	12	2	2
659524.831857	4047370.283201	32,000		-109.217443	36.558453	10/1/2012	145954	1976.95	NMEA 0183	12	2	2
659521.775963	4047360.778554	32,000		-109.217479	36.558368	10/1/2012	145736	1976.67	NMEA 0183	12	2	2
659517.811515	4047346.594106	32,000		-109.217526	36.558240	10/1/2012	145516	1976.54	NMEA 0183	12	2	2
659516.598699	4047376.119743	32,000		-109.217534	36.558507	10/1/2012	150622	1975.95	NMEA 0183	12	2	2
659514.046008	4047356.131376	32,000		-109.217566	36.558327	10/1/2012	150030	1975.98	NMEA 0183	12	2	2
659510.981315	4047373.505647	32,000		-109.217597	36.558484	10/1/2012	150937	1974.86	NMEA 0183	12	2	2
659510.905052	4047363.451399	32,000		-109.217600	36.558393	10/1/2012	150524	1975.85	NMEA 0183	12	2	2
659509.011515	4047380.273988	32,000		-109.217618	36.558545	10/1/2012	151514	1975.04	NMEA 0183	12	2	2
659508.204678	4047374.051616	32,000		-109.217628	36.558489	10/1/2012	151149	1975.17	NMEA 0183	12	2	2
659506.281066	4047365.849768	32,000		-109.217651	36.558416	10/1/2012	150946	1974.98	NMEA 0183	12	2	2
659505.308178	4047389.436935	32,000		-109.217657	36.558628	10/1/2012	151751	1973.96	NMEA 0183	12	2	2
659504.777116	4047399.894247	32,000		-109.217661	36.558723	10/1/2012	152004	1973.23	NMEA 0183	12	2	2
659504.173044	4047392.151524	32,000		-109.217669	36.558653	10/1/2012	151846	1973.49	NMEA 0183	12	2	2
659501.860548	4047383.435665	32,000		-109.217697	36.558575	10/1/2012	151758	1973.73	NMEA 0183	12	2	2
659500.462254	4047408.640788	32,000		-109.217707	36.558802	10/1/2012	152144	1972.62	NMEA 0183	12	2	2
659500.113909	4047381.143023	32,000		-109.217717	36.558555	10/1/2012	151801	1973.77	NMEA 0183	12	2	2
659525.757434	4047362.130466	32,100		-109.217434	36.558379	10/1/2012	145536	1977.08	NMEA 0183	12	2	2
659524.874337	4047361.390883	32,100		-109.217444	36.558372	10/1/2012	145538	1977.10	NMEA 0183	12	2	2
659519.095677	4047374.238695	32,100		-109.217506	36.558489	10/1/2012	150302	1976.29	NMEA 0183	12	2	2
659519.071105	4047383.453184	32,100		-109.217505	36.558572	10/1/2012	150609	1976.80	NMEA 0183	12	2	2
659517.893337	4047363.351579	32,100		-109.217522	36.558391	10/1/2012	150017	1976.16	NMEA 0183	12	2	2
659517.498855	4047382.539908	32,100		-109.217522	36.558564	10/1/2012	150552	1969.15	NMEA 0183	12	2	2
659517.171804	4047375.470042	32,100		-109.217528	36.558501	10/1/2012	150537	1975.88	NMEA 0183	12	2	2
659513.700205	4047351.924417	32,100		-109.217571	36.558289	10/1/2012	145931	1976.40	NMEA 0183	12	2	2
659511.626604	4047332.251975	32,100		-109.217598	36.558112	10/1/2012	145459	1976.51	NMEA 0183	12	2	2
659510.064109	4047328.960235	32,100		-109.217617	36.558083	10/1/2012	145455	1976.42	NMEA 0183	12	2	2
659503.607676	4047377.168149	32,100		-109.217679	36.558518	10/1/2012	151601	1974.62	NMEA 0183	12	2	2
659502.176877	4047374.822172	32,100		-109.217695	36.558497	10/1/2012	151604	1974.33	NMEA 0183	12	2	2
659499.584178	4047310.214031	32,100		-109.217737	36.557916	10/1/2012	145202	1976.43	NMEA 0183	12	2	2
659499.346232	4047309.123878	32,100		-109.217740	36.557906	10/1/2012	145159	1976.92	NMEA 0183	12	2	2
659521.419673	4047374.122705	32,200		-109.217480	36.558488	10/1/2012	150231	1976.32	NMEA 0183	12	2	2
659517.116175	4047358.104520	32,200		-109.217532	36.558344	10/1/2012	145938	1976.60	NMEA 0183	12	2	2
659511.428512	4047389.389460	32,200		-109.217589	36.558627	10/1/2012	151545	1974.54	NMEA 0183	12	2	2
659508.052057	4047408.690834	32,200		-109.217623	36.558802	10/1/2012	152016	1973.19	NMEA 0183	12	2	2
659506.194611	4047365.200789	32,200		-109.217652	36.558410	10/1/2012	150840	1975.27	NMEA 0183	12	2	2
659504.067789	4047393.965927	32,200		-109.217670	36.558670	10/1/2012	151918	1973.42	NMEA 0183	12	2	2
659503.103417	4047397.369900	32,200		-109.217680	36.558700	10/1/2012	152001	1973.20	NMEA 0183	12	2	2
659502.618439	4047388.273593	32,200		-109.217687	36.558618	10/1/2012	151842	1973.74	NMEA 0183	12	2	2
659523.317573	4047363.183928	32,300		-109.217461	36.558389	10/1/2012	145739	1976.75	NMEA 0183	12	2	2
659522.219072	4047371.971586	32,300		-109.217472	36.558468	10/1/2012	150002	1976.88	NMEA 0183	12	2	2
659519.862333	4047363.147623	32,300		-109.217500	36.558389	10/1/2012	145944	1976.74	NMEA 0183	12	2	2
659517.432539	4047362.531042	32,300		-109.217527	36.558384	10/1/2012	150019	1976.13	NMEA 0183	12	2	2
659517.280550	4047347.063322	32,300		-109.217532	36.558245	10/1/2012	145556	1976.42	NMEA 0183	12	2	2
659514.120688	4047360.716187	32,300		-109.217565	36.558368	10/1/2012	150215	1975.70	NMEA 0183	12	2	2
659512.032793	4047373.613920	32,300		-109.217585	36.558485	10/1/2012	150852	1975.33	NMEA 0183	12	2	2
659510.573227	4047378.294218	32,300		-109.217601	36.558527	10/1/2012	151233	1974.76	NMEA 0183	12	2	2
659510.038130	4047336.802258	32,300		-109.217615	36.558153	10/1/2012	145708	1976.15	NMEA 0183	12	2	2
659508.268973	4047333.147857	32,300		-109.217636	36.558121	10/1/2012	145704	1976.05	NMEA 0183	12	2	2
659507.101258	4047399.689473	32,300		-109.217635	36.558721	10/1/2012	15					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659507.058499	4047373.497673	32,300		-109.217641	36.558485	10/1/2012	151239	1974.81	NMEA 0183	12	2	2
659503.586013	4047317.714536	32,300		-109.217691	36.557983	10/1/2012	145441	1976.24	NMEA 0183	12	2	2
659503.405884	4047403.834475	32,300		-109.217675	36.558759	10/1/2012	152059	1973.07	NMEA 0183	12	2	2
659499.563565	4047390.064770	32,300		-109.217721	36.558635	10/1/2012	151953	1973.31	NMEA 0183	12	2	2
659498.164995	4047378.251046	32,300		-109.217739	36.558529	10/1/2012	151805	1973.13	NMEA 0183	12	2	2
659525.969986	4047361.692340	32,400		-109.217432	36.558375	10/1/2012	145535	1977.15	NMEA 0183	12	2	2
659524.361126	4047364.766225	32,400		-109.217449	36.558403	10/1/2012	145741	1976.74	NMEA 0183	12	2	2
659521.535887	4047362.540517	32,400		-109.217481	36.558383	10/1/2012	145752	1976.66	NMEA 0183	12	2	2
659519.224893	4047374.834827	32,400		-109.217505	36.558495	10/1/2012	150301	1976.34	NMEA 0183	12	2	2
659519.001358	4047370.391530	32,400		-109.217508	36.558455	10/1/2012	150226	1975.89	NMEA 0183	12	2	2
659517.690727	4047376.374890	32,400		-109.217522	36.558509	10/1/2012	150538	1976.03	NMEA 0183	12	2	2
659517.428591	4047345.758366	32,400		-109.217531	36.558233	10/1/2012	145515	1976.54	NMEA 0183	12	2	2
659514.366753	4047364.910199	32,400		-109.217561	36.558406	10/1/2012	150329	1975.81	NMEA 0183	12	2	2
659511.153595	4047331.446009	32,400		-109.217604	36.558105	10/1/2012	145458	1976.48	NMEA 0183	12	2	2
659508.301343	4047342.672291	32,400		-109.217633	36.558207	10/1/2012	145920	1976.14	NMEA 0183	12	2	2
659507.238453	4047382.627168	32,400		-109.217637	36.558567	10/1/2012	151554	1974.36	NMEA 0183	12	2	2
659505.303404	4047387.037854	32,400		-109.217658	36.558607	10/1/2012	151716	1973.98	NMEA 0183	12	2	2
659502.249129	4047387.347473	32,400		-109.217692	36.558610	10/1/2012	151841	1973.69	NMEA 0183	12	2	2
659499.917410	4047391.020197	32,400		-109.217717	36.558644	10/1/2012	151954	1973.26	NMEA 0183	12	2	2
659497.416834	4047381.905030	32,400		-109.217747	36.558562	10/1/2012	151933	1972.78	NMEA 0183	12	2	2
659515.777052	4047355.562328	32,500		-109.217547	36.558321	10/1/2012	145935	1976.45	NMEA 0183	12	2	2
659514.792888	4047353.835011	32,500		-109.217559	36.558306	10/1/2012	145933	1976.40	NMEA 0183	12	2	2
659512.708202	4047334.680264	32,500		-109.217586	36.558134	10/1/2012	145502	1976.66	NMEA 0183	12	2	2
659512.161633	4047360.544850	32,500		-109.217587	36.558367	10/1/2012	150334	1975.75	NMEA 0183	12	2	2
659511.335865	4047364.360163	32,500		-109.217595	36.558402	10/1/2012	150525	1975.83	NMEA 0183	12	2	2
659509.600338	4047380.869391	32,500		-109.217611	36.558551	10/1/2012	151515	1975.01	NMEA 0183	12	2	2
659507.128691	4047326.640009	32,500		-109.217650	36.558062	10/1/2012	145619	1975.84	NMEA 0183	12	2	2
659506.869903	4047343.500296	32,500		-109.217649	36.558214	10/1/2012	150045	1975.40	NMEA 0183	12	2	2
659504.803359	4047370.220840	32,500		-109.217667	36.558455	10/1/2012	151243	1974.74	NMEA 0183	12	2	2
659504.216430	4047405.750936	32,500		-109.217666	36.558776	10/1/2012	152101	1973.08	NMEA 0183	12	2	2
659525.689058	4047360.264753	32,600		-109.217436	36.558362	10/1/2012	145533	1977.13	NMEA 0183	12	2	2
659520.974375	4047352.260865	32,600		-109.217490	36.558291	10/1/2012	145523	1976.70	NMEA 0183	12	2	2
659518.271801	4047347.442378	32,600		-109.217521	36.558248	10/1/2012	145517	1976.58	NMEA 0183	12	2	2
659515.917104	4047352.514855	32,600		-109.217546	36.558294	10/1/2012	145804	1976.18	NMEA 0183	12	2	2
659514.412523	4047356.966812	32,600		-109.217562	36.558334	10/1/2012	150029	1975.96	NMEA 0183	12	2	2
659511.503015	4047367.498414	32,600		-109.217592	36.558430	10/1/2012	150632	1975.57	NMEA 0183	12	2	2
659510.422392	4047362.602713	32,600		-109.217606	36.558386	10/1/2012	150523	1975.89	NMEA 0183	12	2	2
659510.007257	4047377.512424	32,600		-109.217607	36.558520	10/1/2012	151234	1974.68	NMEA 0183	12	2	2
659509.582615	4047364.597714	32,600		-109.217615	36.558404	10/1/2012	150635	1976.48	NMEA 0183	12	2	2
659509.131036	4047338.725725	32,600		-109.217625	36.558171	10/1/2012	145821	1976.70	NMEA 0183	12	2	2
659509.118387	4047385.617751	32,600		-109.217615	36.558593	10/1/2012	151550	1974.51	NMEA 0183	12	2	2
659507.426683	4047340.752792	32,600		-109.217644	36.558189	10/1/2012	145918	1975.99	NMEA 0183	12	2	2
659504.160328	4047399.117060	32,600		-109.217668	36.558716	10/1/2012	152003	1973.20	NMEA 0183	12	2	2
659504.017963	4047384.256204	32,600		-109.217673	36.558582	10/1/2012	151713	1974.11	NMEA 0183	12	2	2
659500.228360	4047378.429862	32,600		-109.217716	36.558530	10/1/2012	151705	1973.95	NMEA 0183	12	2	2
659496.339796	4047386.557277	32,600		-109.217758	36.558604	10/1/2012	152209	1972.70	NMEA 0183	12	2	2
659523.391018	4047370.330478	32,700		-109.217459	36.558453	10/1/2012	145958	1977.02	NMEA 0183	12	2	2
659520.786965	4047361.002525	32,700		-109.217490	36.558370	10/1/2012	145754	1976.39	NMEA 0183	12	2	2
659512.863544	4047353.590238	32,700		-109.217580	36.558304	10/1/2012	150033	1975.76	NMEA 0183	12	2	2
659512.547592	4047361.458331	32,700		-109.217582	36.558375	10/1/2012	150333	1975.79	NMEA 0183	12	2	2
659509.954732	4047376.723501	32,700		-109.217608	36.558513	10/1/2012	151152	1975.17	NMEA 0183	12	2	2
659509.881933	4047361.732609	32,700		-109.217612	36.558378	10/1/2012	150522	1975.86	NMEA 0183	12	2	2
659509.676400	4047328.141054	32,700		-109.217621	36.558075	10/1/2012	145454	1976.34	NMEA 0183	12	2	2
659509.258901	4047339.636272	32,700		-109.217623	36.558179	10/1/2012	145820	1976.70	NMEA 0183	12	2	2
659507.743367	4047383.402281	32,700		-109.217631	36.558574	10/1/2012	151553	1974.49	NMEA 0183	12	2	2
659507.728514	4047373.093921	32,700		-109.217633	36.558481	10/1/2012	151148	1975.14	NMEA 0183	12	2	2
659507.545567	4047358.088040	32,700		-109.217639	36.558346	10/1/2012	150517	1975.42	NMEA 0183	12	2	2
659507.521572	4047365.500982	32,700		-109.217637	36.558412	10/1/2012	150842	1975.29	NMEA 0183	12	2	2
659506.447063	4047411.154409	32,700		-109.217640	36.558824	10/1/2012	152108	1972.79	NMEA 0183	12	2	2
659505.925369	4047364.994187	32,700		-109.217655	36.558408	10/1/2012	150947	1974.94	NMEA 0183	12	2	2
659500.067027	4047386.731788	32,700		-109.217716	36.558605	10/1/2012	151927	1973.64	NMEA 0183	12	2	2
659499.179727	4047379.697781	32,700		-109.217728	36.558542	10/1/2012	151803	1973.60	NMEA 0183	12	2	2
659498.660085	4047378.992682	32,700		-109.217734	36.558535	10/1/2012	151804	1973.31	NMEA 0183	12	2	2
659519.436665	4047362.283346	32,800		-109.217505	36.558381	10/1/2012	145943	1976.69	NMEA 0183	12	2	2
659518.668870	4047348.239537	32,800		-109.217516	36.558255	10/1/2012	145518	1976.62	NMEA 0183	12	2	2
659518.459127	4047383.704490	32,800		-109.217511	36.558575	10/1/2012	150554	1968.38	NMEA 0183	12	2	2
659516.890099	4047346.231142	32,800		-109.217537	36.558237	10/1/2012	145557	1976.44	NMEA 0183	12	2	2
659516.638077	4047357.331754	32,800		-109.217537	36.558337	10/1/2012	145937	1976.52	NMEA 0183	12	2	2
659510.302746	4047365.676459	32,800		-109.217606	36.558414	10/1/2012	150634	1975.58	NMEA 0183	12	2	2
659505.671747	4047323.771946	32,800		-109.217667	36.558037	10/1/2012	145622	1975.84	NMEA 0183	12	2	2
659505.212002	4047371.118095	32,800		-109.217662	36.558463	10/1/2012	151242	1974.70	NMEA 0183	12	2	2
659520.398377	4047372.788674	32,900		-109.217492	36.558476	10/1/2012	150229	1976.17	NMEA 0183	12	2	2
659519.687649	4047357.195919	32,900		-109.217503	36.558336	10/1/2012	145732	1976.55	NMEA 0183	12	2	2
659517.865114	4047355.858134	32,900		-109.217524	36.558324	10/1/2012	145800	1976.45	NMEA 0183	12	2	2
659516.004641	4047349.804895	32,900		-109.217546	36.558270	10/1/2012	145724	1976.27	NMEA 0183	12	2	2
659512.004434	4047368.462126	32,900		-109.217587	36.558438	10/1/2012	150631	1975.51	NMEA 0183	12	2	2
659511.322293	4047334.822893	32,900		-109.217601	36.558135	10/1/2012	145610	1976.29	NMEA 0183	12	2	2
659510.541526	4047354.806808	32,900		-109.217606	36.558316	10/1/2012	150208	1975.54	NMEA 0183	12	2	2
659507.690552	4047335.613814	32,900		-109.217642	36.558143	10/1/2012	145825	1976.28	NMEA 0183	12	2	2
659506.635739	4047325.702349	32,900		-109.217656	36.558054	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659505.822154	4047387.791027	32,900		-109.217652	36.558614	10/1/2012	151717	1974.01	NMEA 0183	12	2	2
659503.570301	4047386.913249	32,900		-109.217677	36.558606	10/1/2012	151754	1973.91	NMEA 0183	12	2	2
659518.434065	4047354.466647	33,000		-109.217518	36.558311	10/1/2012	145729	1976.43	NMEA 0183	12	2	2
659515.705944	4047367.609613	33,000		-109.217546	36.558430	10/1/2012	150326	1975.80	NMEA 0183	12	2	2
659513.183029	4047354.467344	33,000		-109.217576	36.558312	10/1/2012	150032	1975.82	NMEA 0183	12	2	2
659507.438138	4047361.951812	33,000		-109.217639	36.558380	10/1/2012	150639	1976.20	NMEA 0183	12	2	2
659521.970932	4047363.301388	33,100		-109.217476	36.558390	10/1/2012	145751	1976.65	NMEA 0183	12	2	2
659517.465936	4047382.544847	33,100		-109.217523	36.558564	10/1/2012	150555	1976.26	NMEA 0183	12	2	2
659512.739696	4047346.344724	33,100		-109.217583	36.558239	10/1/2012	145811	1976.14	NMEA 0183	12	2	2
659508.162690	4047366.012270	33,100		-109.217630	36.558417	10/1/2012	150843	1975.30	NMEA 0183	12	2	2
659502.978423	4047389.219886	33,100		-109.217683	36.558627	10/1/2012	151843	1973.59	NMEA 0183	12	2	2
659498.012860	4047382.594897	33,100		-109.217740	36.558568	10/1/2012	151932	1973.03	NMEA 0183	12	2	2
659520.912566	4047373.465928	33,200		-109.217486	36.558482	10/1/2012	150230	1976.29	NMEA 0183	12	2	2
659514.730935	4047349.851572	33,200		-109.217560	36.558270	10/1/2012	145807	1976.16	NMEA 0183	12	2	2
659510.903641	4047357.811798	33,200		-109.217601	36.558343	10/1/2012	150337	1975.74	NMEA 0183	12	2	2
659509.450185	4047376.653111	33,200		-109.217614	36.558513	10/1/2012	151235	1974.71	NMEA 0183	12	2	2
659508.010122	4047362.167725	33,200		-109.217633	36.558382	10/1/2012	150638	1976.28	NMEA 0183	12	2	2
659504.632785	4047388.601324	33,200		-109.217665	36.558621	10/1/2012	151752	1973.87	NMEA 0183	12	2	2
659503.745242	4047358.877687	33,200		-109.217681	36.558353	10/1/2012	150646	1975.34	NMEA 0183	12	2	2
659519.718226	4047352.165444	33,300		-109.217504	36.558290	10/1/2012	145550	1976.60	NMEA 0183	12	2	2
659517.390633	4047362.376744	33,300		-109.217528	36.558383	10/1/2012	150020	1976.12	NMEA 0183	12	2	2
659515.297204	4047354.722941	33,300		-109.217553	36.558314	10/1/2012	145934	1976.49	NMEA 0183	12	2	2
659513.541818	4047382.285293	33,300		-109.217567	36.558563	10/1/2012	151228	1974.93	NMEA 0183	12	2	2
659512.909616	4047362.375068	33,300		-109.217578	36.558383	10/1/2012	150332	1975.79	NMEA 0183	12	2	2
659511.421607	4047340.332983	33,300		-109.217599	36.558185	10/1/2012	145712	1976.25	NMEA 0183	12	2	2
659510.030148	4047369.193135	33,300		-109.217609	36.558445	10/1/2012	150847	1975.27	NMEA 0183	12	2	2
659506.662205	4047371.370631	33,300		-109.217646	36.558465	10/1/2012	151146	1975.15	NMEA 0183	12	2	2
659506.516038	4047361.625830	33,300		-109.217649	36.558378	10/1/2012	150640	1975.95	NMEA 0183	12	2	2
659504.333077	4047369.348338	33,300		-109.217672	36.558448	10/1/2012	151244	1974.68	NMEA 0183	12	2	2
659504.110752	4047374.419650	33,300		-109.217674	36.558493	10/1/2012	151504	1974.68	NMEA 0183	12	2	2
659503.792915	4047391.245550	33,300		-109.217674	36.558645	10/1/2012	151845	1973.51	NMEA 0183	12	2	2
659516.976068	4047351.655902	33,400		-109.217535	36.558286	10/1/2012	145726	1976.30	NMEA 0183	12	2	2
659515.561209	4047348.932890	33,400		-109.217551	36.558262	10/1/2012	145723	1976.21	NMEA 0183	12	2	2
659515.106625	4047350.755614	33,400		-109.217556	36.558278	10/1/2012	145806	1976.16	NMEA 0183	12	2	2
659506.807881	4047365.443362	33,400		-109.217645	36.558412	10/1/2012	150841	1975.27	NMEA 0183	12	2	2
659503.090914	4047376.468653	33,400		-109.217685	36.558512	10/1/2012	151602	1974.52	NMEA 0183	12	2	2
659495.991016	4047384.845437	33,400		-109.217762	36.558589	10/1/2012	152211	1972.47	NMEA 0183	12	2	2
659522.472595	4047370.772165	33,500		-109.217469	36.558457	10/1/2012	150000	1976.87	NMEA 0183	12	2	2
659516.354911	4047353.368259	33,500		-109.217541	36.558302	10/1/2012	145803	1976.29	NMEA 0183	12	2	2
659513.689469	4047348.156486	33,500		-109.217572	36.558255	10/1/2012	145809	1976.15	NMEA 0183	12	2	2
659512.186220	4047357.125307	33,500		-109.217587	36.558336	10/1/2012	150211	1975.60	NMEA 0183	12	2	2
659511.095702	4047355.580984	33,500		-109.217600	36.558322	10/1/2012	150209	1975.52	NMEA 0183	12	2	2
659510.882460	4047333.917661	33,500		-109.217606	36.558127	10/1/2012	145611	1976.25	NMEA 0183	12	2	2
659503.597302	4047383.443811	33,500		-109.217677	36.558575	10/1/2012	151712	1974.18	NMEA 0183	12	2	2
659525.386979	4047359.495249	33,600		-109.217439	36.558355	10/1/2012	145532	1977.10	NMEA 0183	12	2	2
659520.199084	4047352.869825	33,600		-109.217498	36.558296	10/1/2012	145549	1976.70	NMEA 0183	12	2	2
659514.243152	4047352.901847	33,600		-109.217565	36.558298	10/1/2012	145932	1976.33	NMEA 0183	12	2	2
659514.220515	4047348.970926	33,600		-109.217566	36.558262	10/1/2012	145808	1976.13	NMEA 0183	12	2	2
659508.571497	4047362.875447	33,600		-109.217626	36.558389	10/1/2012	150637	1976.32	NMEA 0183	12	2	2
659524.012037	4047370.477014	33,700		-109.217452	36.558455	10/1/2012	145956	1976.70	NMEA 0183	12	2	2
659516.107940	4047360.090849	33,700		-109.217543	36.558362	10/1/2012	150025	1976.09	NMEA 0183	12	2	2
659511.360652	4047358.756191	33,700		-109.217596	36.558351	10/1/2012	150336	1975.72	NMEA 0183	12	2	2
659507.621579	4047379.909739	33,700		-109.217633	36.558542	10/1/2012	151512	1974.65	NMEA 0183	12	2	2
659507.319218	4047344.457493	33,700		-109.217644	36.558223	10/1/2012	150044	1975.47	NMEA 0183	12	2	2
659499.047747	4047377.318538	33,700		-109.217730	36.558520	10/1/2012	151703	1973.63	NMEA 0183	12	2	2
659520.695100	4047353.561540	33,800		-109.217493	36.558303	10/1/2012	145548	1976.74	NMEA 0183	12	2	2
659520.149599	4047358.195893	33,800		-109.217498	36.558344	10/1/2012	145733	1976.55	NMEA 0183	12	2	2
659519.423640	4047349.864571	33,800		-109.217508	36.558270	10/1/2012	145520	1976.68	NMEA 0183	12	2	2
659518.049484	4047359.677374	33,800		-109.217521	36.558358	10/1/2012	145940	1976.63	NMEA 0183	12	2	2
659517.583643	4047358.806803	33,800		-109.217526	36.558350	10/1/2012	145939	1976.65	NMEA 0183	12	2	2
659516.490930	4047360.761972	33,800		-109.217538	36.558368	10/1/2012	150024	1976.13	NMEA 0183	12	2	2
659511.730683	4047359.643482	33,800		-109.217592	36.558359	10/1/2012	150335	1975.75	NMEA 0183	12	2	2
659509.637012	4047335.901444	33,800		-109.217620	36.558145	10/1/2012	145707	1976.13	NMEA 0183	12	2	2
659506.287308	4047388.698578	33,800		-109.217646	36.558622	10/1/2012	151718	1973.98	NMEA 0183	12	2	2
659505.820580	4047371.935821	33,800		-109.217655	36.558471	10/1/2012	151241	1974.69	NMEA 0183	12	2	2
659498.421780	4047380.739881	33,800		-109.217736	36.558551	10/1/2012	151833	1973.29	NMEA 0183	12	2	2
659523.329807	4047358.338078	33,900		-109.217462	36.558345	10/1/2012	145542	1977.00	NMEA 0183	12	2	2
659521.108231	4047361.783482	33,900		-109.217486	36.558377	10/1/2012	145753	1976.67	NMEA 0183	12	2	2
659521.086235	4047354.356740	33,900		-109.217488	36.558310	10/1/2012	145547	1976.82	NMEA 0183	12	2	2
659515.480548	4047351.674422	33,900		-109.217551	36.558287	10/1/2012	145805	1976.17	NMEA 0183	12	2	2
659514.471241	4047338.906094	33,900		-109.217565	36.558172	10/1/2012	145507	1976.63	NMEA 0183	12	2	2
659508.249049	4047336.315933	33,900		-109.217635	36.558149	10/1/2012	145824	1976.39	NMEA 0183	12	2	2
659507.974801	4047325.028002	33,900		-109.217641	36.558048	10/1/2012	145450	1976.20	NMEA 0183	12	2	2
659507.036402	4047339.911367	33,900		-109.217648	36.558182	10/1/2012	145917	1975.90	NMEA 0183	12	2	2
659504.923904	4047376.034666	33,900		-109.217664	36.558508	10/1/2012	151506	1974.63	NMEA 0183	12	2	2
659518.054715	4047348.849635	34,000		-109.217523	36.558261	10/1/2012	145554	1976.48	NMEA 0183	12	2	2
659515.975976	4047364.392532	34,000		-109.217543	36.558401	10/1/2012	150219	1975.78	NMEA 0183	12	2	2
659514.012001	4047338.081887	34,000		-109.217571	36.558164	10/1/2012	145506	1976.71	NMEA 0183	12	2	2
659507.633987	4047327.555702	34,000		-109.217644	36.558070	10/1/2012	145618	1975.96	NMEA 0183	12	2	2
659503.656520	4047373.647326	34,000		-109.217679	36.558486	10/1/2012	1					



**Transfer Station 1 South - Excavation Zone**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
659499.998554	4047311.285259	34,000		-109.217733	36.557925	10/1/2012	145204	1976.43	NMEA 0183	12	2	2
659497.983424	4047379.916062	34,000		-109.217741	36.558544	10/1/2012	151832	1973.11	NMEA 0183	12	2	2
659523.555548	4047356.383486	34,100		-109.217460	36.558328	10/1/2012	145528	1976.92	NMEA 0183	12	2	2
659520.733624	4047359.050158	34,100		-109.217491	36.558352	10/1/2012	145734	1976.57	NMEA 0183	12	2	2
659518.436524	4047349.665008	34,100		-109.217519	36.558268	10/1/2012	145553	1976.55	NMEA 0183	12	2	2
659516.783940	4047354.212252	34,100		-109.217536	36.558309	10/1/2012	145802	1976.33	NMEA 0183	12	2	2
659509.174650	4047330.173764	34,100		-109.217626	36.558094	10/1/2012	145615	1976.15	NMEA 0183	12	2	2
659506.911314	4047323.232629	34,100		-109.217653	36.558032	10/1/2012	145448	1976.20	NMEA 0183	12	2	2
659505.147372	4047368.808537	34,100		-109.217663	36.558443	10/1/2012	151143	1975.18	NMEA 0183	12	2	2
659496.249625	4047383.451897	34,100		-109.217760	36.558576	10/1/2012	151944	1972.53	NMEA 0183	12	2	2
659522.983679	4047355.597883	34,200		-109.217467	36.558321	10/1/2012	145527	1976.89	NMEA 0183	12	2	2
659519.983113	4047350.594455	34,200		-109.217501	36.558276	10/1/2012	145521	1976.67	NMEA 0183	12	2	2
659519.289072	4047356.319196	34,200		-109.217508	36.558328	10/1/2012	145731	1976.56	NMEA 0183	12	2	2
659518.959481	4047349.064318	34,200		-109.217513	36.558262	10/1/2012	145519	1976.60	NMEA 0183	12	2	2
659518.875011	4047355.392246	34,200		-109.217513	36.558319	10/1/2012	145730	1976.49	NMEA 0183	12	2	2
659518.384827	4047356.720455	34,200		-109.217518	36.558332	10/1/2012	145759	1976.46	NMEA 0183	12	2	2
659517.333023	4047355.019628	34,200		-109.217530	36.558316	10/1/2012	145801	1976.35	NMEA 0183	12	2	2
659516.261755	4047356.542377	34,200		-109.217542	36.558330	10/1/2012	145936	1976.52	NMEA 0183	12	2	2
659506.098823	4047370.529697	34,200		-109.217652	36.558458	10/1/2012	151145	1975.19	NMEA 0183	12	2	2
659496.544780	4047384.273062	34,200		-109.217756	36.558583	10/1/2012	151945	1972.81	NMEA 0183	12	2	2
659521.436822	4047355.165986	34,300		-109.217484	36.558317	10/1/2012	145546	1976.85	NMEA 0183	12	2	2
659519.918123	4047359.171915	34,300		-109.217500	36.558353	10/1/2012	145756	1976.54	NMEA 0183	12	2	2
659519.379280	4047351.291677	34,300		-109.217508	36.558282	10/1/2012	145551	1976.56	NMEA 0183	12	2	2
659518.484547	4047360.517780	34,300		-109.217516	36.558366	10/1/2012	145941	1976.60	NMEA 0183	12	2	2
659517.106508	4047362.007097	34,300		-109.217531	36.558379	10/1/2012	150022	1976.12	NMEA 0183	12	2	2
659506.435371	4047322.343375	34,300		-109.217658	36.558024	10/1/2012	145447	1976.14	NMEA 0183	12	2	2
659505.044322	4047319.864960	34,300		-109.217674	36.558002	10/1/2012	145444	1976.25	NMEA 0183	12	2	2
659504.036072	4047387.787517	34,300		-109.217672	36.558614	10/1/2012	151753	1973.93	NMEA 0183	12	2	2
659502.602614	4047375.682750	34,300		-109.217690	36.558505	10/1/2012	151603	1974.35	NMEA 0183	12	2	2
659522.517686	4047354.816092	34,400		-109.217472	36.558314	10/1/2012	145526	1976.88	NMEA 0183	12	2	2
659499.816064	4047310.745479	34,400		-109.217735	36.557920	10/1/2012	145203	1976.42	NMEA 0183	12	2	2
659524.998450	4047358.720443	34,500		-109.217444	36.558348	10/1/2012	145531	1977.17	NMEA 0183	12	2	2
659524.560113	4047357.976158	34,500		-109.217449	36.558342	10/1/2012	145530	1977.09	NMEA 0183	12	2	2
659521.892168	4047355.958677	34,500		-109.217479	36.558324	10/1/2012	145545	1976.81	NMEA 0183	12	2	2
659519.302430	4047358.335559	34,500		-109.217507	36.558346	10/1/2012	145757	1976.46	NMEA 0183	12	2	2
659518.931168	4047350.430683	34,500		-109.217513	36.558275	10/1/2012	145552	1976.54	NMEA 0183	12	2	2
659518.763412	4047357.548716	34,500		-109.217513	36.558339	10/1/2012	145758	1976.47	NMEA 0183	12	2	2
659517.370778	4047362.320887	34,500		-109.217528	36.558382	10/1/2012	150021	1976.13	NMEA 0183	12	2	2
659516.831039	4047361.411953	34,500		-109.217534	36.558374	10/1/2012	150023	1976.19	NMEA 0183	12	2	2
659516.461843	4047365.309716	34,500		-109.217538	36.558409	10/1/2012	150220	1975.78	NMEA 0183	12	2	2
659514.883485	4047339.770122	34,500		-109.217560	36.558179	10/1/2012	145508	1976.60	NMEA 0183	12	2	2
659510.427368	4047333.030644	34,500		-109.217612	36.558119	10/1/2012	145612	1976.22	NMEA 0183	12	2	2
659510.012087	4047332.088874	34,500		-109.217616	36.558111	10/1/2012	145613	1976.21	NMEA 0183	12	2	2
659508.781179	4047334.093272	34,500		-109.217630	36.558129	10/1/2012	145705	1976.02	NMEA 0183	12	2	2
659508.382968	4047379.970093	34,500		-109.217625	36.558543	10/1/2012	151513	1974.62	NMEA 0183	12	2	2
659505.571618	4047369.669088	34,500		-109.217658	36.558450	10/1/2012	151144	1975.15	NMEA 0183	12	2	2
659523.783438	4047359.062301	34,600		-109.217457	36.558352	10/1/2012	145541	1977.01	NMEA 0183	12	2	2
659522.901842	4047357.436765	34,700		-109.217467	36.558337	10/1/2012	145543	1976.93	NMEA 0183	12	2	2
659520.525852	4047351.422060	34,700		-109.217495	36.558283	10/1/2012	145522	1976.68	NMEA 0183	12	2	2
659515.033870	4047362.569813	34,700		-109.217554	36.558385	10/1/2012	150217	1975.72	NMEA 0183	12	2	2
659508.795167	4047337.041869	34,700		-109.217629	36.558156	10/1/2012	145823	1976.39	NMEA 0183	12	2	2
659495.613080	4047382.452388	34,700		-109.217767	36.558567	10/1/2012	151943	1972.44	NMEA 0183	12	2	2
659504.707353	4047367.993935	34,700		-109.217668	36.558435	10/1/2012	151142	1975.04	NMEA 0183	12	2	2
659503.908721	4047358.349868	34,700		-109.217679	36.558349	10/1/2012	150647	1974.77	NMEA 0183	12	2	2
659522.389263	4047356.672607	34,900		-109.217473	36.558330	10/1/2012	145544	1976.93	NMEA 0183	12	2	2
659510.501147	4047329.774782	34,900		-109.217611	36.558090	10/1/2012	145456	1976.42	NMEA 0183	12	2	2
659507.140489	4047357.159408	34,900		-109.217643	36.558337	10/1/2012	150516	1975.34	NMEA 0183	12	2	2
659503.989901	4047359.444515	34,900		-109.217678	36.558358	10/1/2012	150645	1975.41	NMEA 0183	12	2	2
659495.886948	4047383.939031	36,000		-109.217764	36.558581	10/1/2012	152212	1972.43	NMEA 0183	12	2	2
659509.259967	4047334.989978	37,000		-109.217624	36.558137	10/1/2012	145706	1976.09	NMEA 0183	12	2	2
659506.768403	4047356.543977	40,000		-109.217648	36.558332	10/1/2012	150515	1975.30	NMEA 0183	12	2	2
659504.260425	4047357.810741	40,000		-109.217675	36.558344	10/1/2012	150648	1974.82	NMEA 0183	12	2	2
659495.787381	4047382.226262	40,500		-109.217765	36.558565	10/1/2012	152214	1972.40	NMEA 0183	12	2	2
659504.366515	4047357.078398	41,600		-109.217674	36.558337	10/1/2012	150649	1974.69	NMEA 0183	12	2	2
659502.605921	4047358.436700	41,900		-109.217694	36.558350	10/1/2012	150831	1974.68	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660891.643792	4050215.720505	26,900		-109.201582	36.583863	11/6/2012	103144	1864.13	NMEA 0183	12	2	2
660894.646499	4050213.335130	27,200		-109.201549	36.583841	11/6/2012	103140	1864.08	NMEA 0183	12	2	2
661118.578061	4050427.464882	27,200		-109.199002	36.585732	11/8/2012	104914	1857.33	NMEA 0183	12	2	2
661142.854595	4050440.704843	27,200		-109.198728	36.585847	11/8/2012	105516	1856.23	NMEA 0183	12	2	2
661141.284363	4050442.747046	27,200		-109.198746	36.585866	11/8/2012	105518	1856.36	NMEA 0183	12	2	2
660898.757599	4050219.077610	27,300		-109.201502	36.583892	11/6/2012	103124	1863.98	NMEA 0183	12	2	2
660889.278633	4050210.103184	27,300		-109.201610	36.583812	11/6/2012	103156	1864.36	NMEA 0183	12	2	2
660888.626327	4050211.002866	27,300		-109.201617	36.583821	11/6/2012	103157	1864.29	NMEA 0183	12	2	2
661146.735945	4050435.452382	27,300		-109.198866	36.585799	11/8/2012	105511	1856.33	NMEA 0183	12	2	2
661144.675886	4050447.789943	27,300		-109.198707	36.585911	11/8/2012	105605	1856.25	NMEA 0183	12	2	2
661144.268530	4050425.036854	27,400		-109.198716	36.585706	11/8/2012	105347	1856.82	NMEA 0183	12	2	2
660895.880776	4050218.084139	27,500		-109.201534	36.583883	11/6/2012	103133	1863.98	NMEA 0183	12	2	2
661122.252833	4050433.552594	27,500		-109.198960	36.585786	11/8/2012	105057	1856.97	NMEA 0183	12	2	2
660887.568712	4050210.683427	27,600		-109.201629	36.583818	11/6/2012	103202	1864.38	NMEA 0183	12	2	2
661140.515494	4050443.816544	27,600		-109.198754	36.585876	11/8/2012	105519	1856.37	NMEA 0183	12	2	2
661135.486070	4050467.584932	27,600		-109.198805	36.586091	11/8/2012	105705	1856.10	NMEA 0183	12	2	2
661120.323568	4050429.202995	27,700		-109.198983	36.585748	11/8/2012	104952	1857.21	NMEA 0183	12	2	2
661123.497369	4050431.776185	27,700		-109.198947	36.585770	11/8/2012	105059	1857.04	NMEA 0183	12	2	2
661139.329939	4050438.864939	27,700		-109.198768	36.585831	11/8/2012	105451	1856.58	NMEA 0183	12	2	2
661137.975609	4050446.817202	27,700		-109.198782	36.585903	11/8/2012	105522	1856.40	NMEA 0183	12	2	2
661137.115953	4050447.796214	27,700		-109.198791	36.585912	11/8/2012	105523	1856.37	NMEA 0183	12	2	2
661143.838076	4050448.638037	27,800		-109.198716	36.585919	11/8/2012	105604	1856.11	NMEA 0183	12	2	2
660984.394248	4050290.836914	27,900		-109.200530	36.584524	11/6/2012	102559	1861.60	NMEA 0183	12	2	2
661158.464143	4050454.437186	27,900		-109.198551	36.585968	11/8/2012	110115	1856.86	NMEA 0183	12	2	2
660966.892000	4050273.155577	28,100		-109.200730	36.584367	11/6/2012	102717	1862.01	NMEA 0183	12	2	2
660888.074124	4050209.901226	28,100		-109.201623	36.583811	11/6/2012	103203	1864.36	NMEA 0183	12	2	2
661124.115353	4050430.798192	28,100		-109.198940	36.585761	11/8/2012	105100	1857.01	NMEA 0183	12	2	2
661135.726284	4050439.966388	28,100		-109.198808	36.585842	11/8/2012	105405	1856.56	NMEA 0183	12	2	2
660901.114783	4050221.533696	28,200		-109.201475	36.583913	11/6/2012	103113	1863.75	NMEA 0183	12	2	2
660896.161624	4050214.316065	28,200		-109.201532	36.583849	11/6/2012	103138	1864.09	NMEA 0183	12	2	2
661121.129090	4050428.167477	28,200		-109.198974	36.585738	11/8/2012	104951	1857.27	NMEA 0183	12	2	2
661126.047192	4050427.688101	28,200		-109.198919	36.585733	11/8/2012	105103	1856.94	NMEA 0183	12	2	2
661137.816859	4050441.120927	28,200		-109.198785	36.585852	11/8/2012	105449	1856.41	NMEA 0183	12	2	2
661141.054025	4050464.903686	28,200		-109.198743	36.586066	11/8/2012	105809	1856.13	NMEA 0183	12	2	2
661007.335349	4050306.755675	28,300		-109.200271	36.584663	11/6/2012	102452	1860.67	NMEA 0183	12	2	2
660923.612451	4050242.432481	28,300		-109.201219	36.584098	11/6/2012	102958	1863.34	NMEA 0183	12	2	2
660902.471341	4050224.770113	28,300		-109.201459	36.583942	11/6/2012	103106	1863.97	NMEA 0183	12	2	2
660891.456642	4050211.851189	28,300		-109.201585	36.583828	11/6/2012	103151	1864.13	NMEA 0183	12	2	2
660890.148082	4050209.636690	28,300		-109.201600	36.583808	11/6/2012	103155	1864.35	NMEA 0183	12	2	2
661134.956653	4050440.997029	28,300		-109.198817	36.585851	11/8/2012	105406	1856.61	NMEA 0183	12	2	2
660898.141943	4050219.852199	28,400		-109.201509	36.583899	11/6/2012	103125	1864.03	NMEA 0183	12	2	2
661119.435013	4050426.630092	28,400		-109.198993	36.585725	11/8/2012	104915	1857.37	NMEA 0183	12	2	2
661135.641997	4050444.383682	28,400		-109.198808	36.585882	11/8/2012	105446	1856.51	NMEA 0183	12	2	2
660855.866969	4050238.022132	28,500		-109.201977	36.584070	11/3/2012	141532	1864.12	NMEA 0183	12	2	2
660896.901973	4050214.929214	28,500		-109.201524	36.583855	11/6/2012	103137	1864.09	NMEA 0183	12	2	2
660890.224569	4050213.441046	28,600		-109.201599	36.583842	11/6/2012	103149	1864.07	NMEA 0183	12	2	2
661140.292939	4050438.102426	28,600		-109.198758	36.585824	11/8/2012	105452	1856.36	NMEA 0183	12	2	2
661165.376637	4050454.831274	28,600		-109.198474	36.585971	11/8/2012	105956	1856.29	NMEA 0183	12	2	2
661156.764958	4050438.690492	28,600		-109.198573	36.585827	11/8/2012	110132	1854.63	NMEA 0183	12	2	2
660986.711598	4050289.363575	28,700		-109.200505	36.584510	11/6/2012	102556	3.00	NMEA 0183	12	2	2
660985.054225	4050290.005821	28,700		-109.200523	36.584516	11/6/2012	102558	1861.63	NMEA 0183	12	2	2
660925.671205	4050246.566189	28,700		-109.201196	36.584135	11/6/2012	102944	1863.17	NMEA 0183	12	2	2
660921.968113	4050240.306025	28,700		-109.201238	36.584079	11/6/2012	103004	1863.44	NMEA 0183	12	2	2
660897.014535	4050216.486894	28,700		-109.201522	36.583869	11/6/2012	103135	1863.97	NMEA 0183	12	2	2
660888.593865	4050209.309809	28,700		-109.201618	36.583805	11/6/2012	103204	1864.38	NMEA 0183	12	2	2
661116.752796	4050423.376187	28,700		-109.199024	36.585696	11/8/2012	104840	1857.31	NMEA 0183	12	2	2
661110.287966	4050441.995936	28,700		-109.199092	36.585865	11/8/2012	105006	1856.93	NMEA 0183	12	2	2
661124.669945	4050424.700631	28,700		-109.198934	36.585751	11/8/2012	105101	1857.01	NMEA 0183	12	2	2
661134.026271	4050431.503706	28,700		-109.198829	36.585766	11/8/2012	105218	1856.76	NMEA 0183	12	2	2
661136.354603	4050438.914602	28,700		-109.198801	36.585832	11/8/2012	105404	1856.58	NMEA 0183	12	2	2
661133.088860	4050458.755894	28,700		-109.198834	36.586012	11/8/2012	105552	1856.12	NMEA 0183	12	2	2
661145.313766	4050445.671074	28,700		-109.198700	36.585892	11/8/2012	105607	1856.12	NMEA 0183	12	2	2
661133.809381	4050469.417977	28,700		-109.198823	36.586108	11/8/2012	105703	1856.15	NMEA 0183	12	2	2
661145.513511	4050466.289447	28,700		-109.198693	36.586077	11/8/2012	105859	1856.69	NMEA 0183	12	2	2
661168.912194	4050450.519374	28,700		-109.198435	36.585931	11/8/2012	110001	1856.29	NMEA 0183	12	2	2
660921.386756	4050241.160790	28,800		-109.201245	36.584087	11/6/2012	103003	1863.46	NMEA 0183	12	2	2
660888.029434	4050211.811100	28,800		-109.201623	36.583828	11/6/2012	103158	1864.32	NMEA 0183	12	2	2
661139.370041	4050424.469670	28,800		-109.198771	36.585702	11/8/2012	105211	1856.68	NMEA 0183	12	2	2
661137.634543	4050436.761525	28,800		-109.198788	36.585813	11/8/2012	105402	1856.66	NMEA 0183	12	2	2
661149.135238	4050438.122045	28,800		-109.198659	36.585823	11/8/2012	105614	1856.17	NMEA 0183	12	2	2
661138.825345	4050467.934222	28,800		-109.198768	36.586093	11/8/2012	105812	1856.21	NMEA 0183	12	2	2
660999.510806	4050303.122510	28,900		-109.200359	36.584632	11/6/2012	102511	1860.81	NMEA 0183	12	2	2
660982.696015	4050286.650750	28,900		-109.200550	36.584486	11/6/2012	102610	1861.67	NMEA 0183	12	2	2
661147.546602	4050434.381818	28,900		-109.198677	36.585790	11/8/2012	105510	1856.32	NMEA 0183	12	2	2
661134.694910	4050456.712510	28,900		-109.198816	36.585993	11/8/2012	105554	1856.08	NMEA 0183	12	2	2
661145.256674	4050444.499160	28,900		-109.198701	36.585881	11/8/2012	105608	1856.07	NMEA 0183	12	2	2
661143.448646	4050452.304192	28,900		-109.198719	36.585952	11/8/2012	105640	1856.20	NMEA 0183	12	2	2
661160.104391	4050440.066362	28,900		-109.198536	36.585839	11/8/2012	105744	1856.13	NMEA 0183	12	2	2
661143.272277	4050469.432577	28,900		-109.198718	36.586106	11/8/2012	105902	1856.61	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661010.909789	4050312.791512	29,000		-109.200229	36.584717	11/6/2012	102435	1860.66	NMEA 0183	12	2	2
660918.266698	4050239.056655	29,000		-109.201280	36.584068	11/6/2012	103016	1863.61	NMEA 0183	12	2	2
660899.938161	4050223.986536	29,000		-109.201488	36.583936	11/6/2012	103110	1863.73	NMEA 0183	12	2	2
661122.812718	4050426.203231	29,000		-109.198955	36.585720	11/8/2012	104949	1857.24	NMEA 0183	12	2	2
661142.152346	4050429.147858	29,000		-109.198739	36.585743	11/8/2012	105355	1856.71	NMEA 0183	12	2	2
661139.584432	4050466.908933	29,000		-109.198759	36.586084	11/8/2012	105811	1856.22	NMEA 0183	12	2	2
661165.947428	4050453.824653	29,000		-109.198468	36.585962	11/8/2012	105957	1856.29	NMEA 0183	12	2	2
660863.357692	4050234.388954	29,100		-109.201894	36.584036	11/3/2012	141435	1863.46	NMEA 0183	12	2	2
660862.665263	4050199.722409	29,100		-109.201909	36.583723	11/3/2012	141734	1864.28	NMEA 0183	12	2	2
661075.021155	4050365.596486	29,100		-109.199502	36.585182	11/6/2012	102036	1859.15	NMEA 0183	12	2	2
661026.625937	4050322.528442	29,100		-109.200052	36.584802	11/6/2012	102352	1860.39	NMEA 0183	12	2	2
660935.320151	4050252.512229	29,100		-109.201087	36.584187	11/6/2012	102912	1862.86	NMEA 0183	12	2	2
660922.986664	4050243.110695	29,100		-109.201226	36.584104	11/6/2012	102959	1863.30	NMEA 0183	12	2	2
660903.193048	4050242.067797	29,100		-109.201451	36.583936	11/6/2012	103105	1863.99	NMEA 0183	12	2	2
660895.268694	4050218.906887	29,100		-109.201541	36.583891	11/6/2012	103132	1864.06	NMEA 0183	12	2	2
660891.704639	4050210.396439	29,100		-109.201583	36.583815	11/6/2012	103153	1864.33	NMEA 0183	12	2	2
661111.093927	4050442.688021	29,100		-109.199083	36.585871	11/8/2012	105007	1857.27	NMEA 0183	12	2	2
661126.832950	4050426.752095	29,100		-109.198910	36.585724	11/8/2012	105104	1856.99	NMEA 0183	12	2	2
661130.807441	4050430.139355	29,100		-109.198865	36.585754	11/8/2012	105152	1856.81	NMEA 0183	12	2	2
661134.175401	4050435.723760	29,100		-109.198826	36.585804	11/8/2012	105307	1856.61	NMEA 0183	12	2	2
661137.069908	4050442.214881	29,100		-109.198793	36.585862	11/8/2012	105448	1856.43	NMEA 0183	12	2	2
661151.968096	4050450.368206	29,100		-109.198625	36.585933	11/8/2012	105755	1856.16	NMEA 0183	12	2	2
661137.315346	4050472.413577	29,100		-109.198784	36.586134	11/8/2012	105817	1856.26	NMEA 0183	12	2	2
661069.831254	4050362.826472	29,200		-109.199561	36.585158	11/6/2012	102102	1859.18	NMEA 0183	12	2	2
660965.363718	4050272.240970	29,200		-109.200747	36.584359	11/6/2012	102719	1862.09	NMEA 0183	12	2	2
660897.466912	4050220.531343	29,200		-109.201516	36.583905	11/6/2012	103126	1864.04	NMEA 0183	12	2	2
660896.446320	4050217.277168	29,200		-109.201528	36.583876	11/6/2012	103134	1863.95	NMEA 0183	12	2	2
660892.262015	4050214.968160	29,200		-109.201576	36.583856	11/6/2012	103143	1864.15	NMEA 0183	12	2	2
661120.192889	4050425.669517	29,200		-109.198985	36.585716	11/8/2012	104916	1857.30	NMEA 0183	12	2	2
661119.520578	4050430.262607	29,200		-109.198991	36.585757	11/8/2012	104953	1857.19	NMEA 0183	12	2	2
661118.891411	4050435.801099	29,200		-109.198997	36.585802	11/8/2012	105017	1857.15	NMEA 0183	12	2	2
661117.852167	4050457.441904	29,200		-109.199004	36.586002	11/8/2012	105244	1856.80	NMEA 0183	12	2	2
661139.697071	4050444.824074	29,200		-109.198763	36.585885	11/8/2012	105520	1856.38	NMEA 0183	12	2	2
661168.209813	4050444.063787	29,200		-109.198444	36.585873	11/8/2012	110052	1856.34	NMEA 0183	12	2	2
661161.875798	4050446.708460	29,200		-109.198515	36.585898	11/8/2012	110102	1856.24	NMEA 0183	12	2	2
660872.671401	4050205.876670	29,300		-109.201796	36.583777	11/3/2012	141605	1863.99	NMEA 0183	12	2	2
660864.977605	4050211.831079	29,300		-109.201881	36.583832	11/3/2012	141615	1864.53	NMEA 0183	12	2	2
660862.489128	4050192.792095	29,300		-109.201913	36.583661	11/3/2012	141751	1864.44	NMEA 0183	12	2	2
661027.871114	4050409.277406	29,300		-109.200020	36.585584	11/5/2012	121829	1857.83	NMEA 0183	12	2	2
661072.030001	4050370.231218	29,300		-109.199535	36.585524	11/6/2012	102030	1859.18	NMEA 0183	12	2	2
660996.801561	4050299.953227	29,300		-109.200390	36.584604	11/6/2012	102521	1861.17	NMEA 0183	12	2	2
660979.563396	4050285.537780	29,300		-109.200585	36.584477	11/6/2012	102615	1861.71	NMEA 0183	12	2	2
660925.535485	4050245.050617	29,300		-109.201197	36.584121	11/6/2012	102946	1863.25	NMEA 0183	12	2	2
660911.695082	4050233.909949	29,300		-109.201354	36.584023	11/6/2012	103034	1863.64	NMEA 0183	12	2	2
660890.825517	4050212.575548	29,300		-109.201592	36.583834	11/6/2012	103150	1864.13	NMEA 0183	12	2	2
661143.597273	4050422.331145	29,300		-109.198724	36.585682	11/8/2012	104702	1857.09	NMEA 0183	12	2	2
661117.096050	4050429.257187	29,300		-109.199019	36.585749	11/8/2012	104912	1857.36	NMEA 0183	12	2	2
661127.638817	4050431.110236	29,300		-109.198900	36.585763	11/8/2012	105136	1856.94	NMEA 0183	12	2	2
661123.634059	4050460.855636	29,300		-109.198939	36.586032	11/8/2012	105430	1856.51	NMEA 0183	12	2	2
661159.012825	4050451.347416	29,300		-109.198546	36.585941	11/8/2012	110107	1856.32	NMEA 0183	12	2	2
661007.445526	4050392.789740	29,400		-109.200251	36.585439	11/5/2012	121854	1858.53	NMEA 0183	12	2	2
660907.670749	4050318.697576	29,400		-109.201382	36.584788	11/5/2012	122807	1861.61	NMEA 0183	12	2	2
661075.523419	4050364.743948	29,400		-109.199497	36.585174	11/6/2012	102037	1859.19	NMEA 0183	12	2	2
661069.835762	4050362.824706	29,400		-109.199561	36.585158	11/6/2012	102101	1859.16	NMEA 0183	12	2	2
661065.277634	4050356.986824	29,400		-109.199613	36.585106	11/6/2012	102127	1859.21	NMEA 0183	12	2	2
660997.243945	4050298.394838	29,400		-109.200385	36.584590	11/6/2012	102523	1861.17	NMEA 0183	12	2	2
660995.834995	4050297.321539	29,400		-109.200401	36.584580	11/6/2012	102525	1861.16	NMEA 0183	12	2	2
660911.403716	4050233.138731	29,400		-109.201358	36.584016	11/6/2012	103035	1863.69	NMEA 0183	12	2	2
660901.392365	4050218.418495	29,400		-109.201473	36.583885	11/6/2012	103120	1863.96	NMEA 0183	12	2	2
660893.710179	4050213.548817	29,400		-109.201560	36.583843	11/6/2012	103141	1864.03	NMEA 0183	12	2	2
661114.569016	4050425.921106	29,400		-109.199048	36.585719	11/8/2012	104843	1857.33	NMEA 0183	12	2	2
661117.047102	4050433.062900	29,400		-109.199018	36.585783	11/8/2012	104956	1857.22	NMEA 0183	12	2	2
661160.982604	4050439.211629	29,400		-109.198526	36.585831	11/8/2012	105743	1856.18	NMEA 0183	12	2	2
661143.940335	4050468.329745	29,400		-109.198711	36.586096	11/8/2012	105901	1856.61	NMEA 0183	12	2	2
661160.661987	4050461.725415	29,400		-109.198525	36.586034	11/8/2012	105949	1856.38	NMEA 0183	12	2	2
660986.705550	4050394.600605	29,500		-109.200483	36.585458	11/5/2012	121611	1858.98	NMEA 0183	12	2	2
660930.298163	4050248.017855	29,500		-109.201144	36.584147	11/6/2012	102930	1862.87	NMEA 0183	12	2	2
661071.491725	4050370.219284	29,500		-109.199541	36.585224	11/6/2012	105441	1858.55	NMEA 0183	12	2	2
661126.980987	4050432.065286	29,500		-109.198908	36.585772	11/8/2012	105137	1856.94	NMEA 0183	12	2	2
661131.981675	4050439.037953	29,500		-109.198850	36.585834	11/8/2012	105304	1856.57	NMEA 0183	12	2	2
661134.289183	4050442.068428	29,500		-109.198824	36.585861	11/8/2012	105407	1856.65	NMEA 0183	12	2	2
661154.830197	4050441.876358	29,500		-109.198594	36.585856	11/8/2012	105730	1856.02	NMEA 0183	12	2	2
661152.453311	4050454.244972	29,500		-109.198618	36.585968	11/8/2012	105848	1857.23	NMEA 0183	12	2	2
661161.150099	4050447.543856	29,500		-109.198523	36.585906	11/8/2012	110103	1856.27	NMEA 0183	12	2	2
661158.266946	4050452.304513	29,500		-109.198554	36.585949	11/8/2012	110108	1856.15	NMEA 0183	12	2	2
661159.058678	4050448.264866	29,500		-109.198546	36.585913	11/8/2012	110121	1855.13	NMEA 0183	12	2	2
661059.635500	4050349.930048	29,600		-109.199677	36.585043	11/6/2012	102149	1859.47	NMEA 0183	12	2	2
661039.307246	4050335.567562	29,600		-109.199907	36.584918	11/6/2012	102303	1859.68	NMEA 0183	12	2	2
661009.436485	4050310.614600	29,600		-109.200246	36.584698	11/6/2012	102441	1860.71	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660987.093809	4050292.293215	29,600		-109.200500	36.584536	11/6/2012	102552	1861.50	NMEA 0183	12	2	2
660929.672658	4050248.840349	29,600		-109.201150	36.584155	11/6/2012	102929	1862.91	NMEA 0183	12	2	2
660915.386113	4050232.924718	29,600		-109.201313	36.584014	11/6/2012	103029	1863.67	NMEA 0183	12	2	2
660909.713373	4050227.970556	29,600		-109.201378	36.583970	11/6/2012	103046	1863.77	NMEA 0183	12	2	2
661134.959631	4050434.630504	29,600		-109.198818	36.585794	11/8/2012	105308	1856.60	NMEA 0183	12	2	2
661144.280390	4050425.040775	29,600		-109.198716	36.585706	11/8/2012	105348	1856.82	NMEA 0183	12	2	2
661136.386903	4050443.319283	29,600		-109.198800	36.585872	11/8/2012	105447	1856.46	NMEA 0183	12	2	2
661154.894200	4050436.711415	29,600		-109.198595	36.585809	11/8/2012	105625	1856.15	NMEA 0183	12	2	2
661131.936281	4050465.653925	29,600		-109.198845	36.586074	11/8/2012	105654	1856.22	NMEA 0183	12	2	2
661156.523539	4050439.792072	29,600		-109.198576	36.585837	11/8/2012	105732	1856.04	NMEA 0183	12	2	2
661148.334824	4050458.063186	29,600		-109.198664	36.586003	11/8/2012	105833	1856.41	NMEA 0183	12	2	2
661162.591006	4050452.082226	29,600		-109.198506	36.585947	11/8/2012	110044	1856.22	NMEA 0183	12	2	2
661160.413323	4050446.583011	29,600		-109.198531	36.585897	11/8/2012	110122	1854.92	NMEA 0183	12	2	2
660870.144887	4050199.952991	29,700		-109.201826	36.583724	11/3/2012	141654	1863.95	NMEA 0183	12	2	2
660939.125402	4050365.193362	29,700		-109.201021	36.585201	11/5/2012	123903	1861.11	NMEA 0183	12	2	2
661071.130914	4050365.751110	29,700		-109.199545	36.585184	11/6/2012	102049	1859.13	NMEA 0183	12	2	2
660996.567728	4050297.703345	29,700		-109.200393	36.584584	11/6/2012	102524	1861.15	NMEA 0183	12	2	2
660987.724136	4050291.452318	29,700		-109.200493	36.584529	11/6/2012	102553	1861.55	NMEA 0183	12	2	2
660981.651479	4050288.342139	29,700		-109.200561	36.584502	11/6/2012	102608	1861.67	NMEA 0183	12	2	2
660900.492955	4050222.319267	29,700		-109.201482	36.583920	11/6/2012	103112	1863.76	NMEA 0183	12	2	2
660889.667767	4050215.136024	29,700		-109.201604	36.583858	11/6/2012	103147	1864.05	NMEA 0183	12	2	2
661115.272588	4050425.151880	29,700		-109.199040	36.585712	11/8/2012	104842	1857.30	NMEA 0183	12	2	2
661131.606410	4050429.135159	29,700		-109.198857	36.585745	11/8/2012	105153	1856.87	NMEA 0183	12	2	2
661135.263038	4050429.425656	29,700		-109.198816	36.585747	11/8/2012	105216	1856.67	NMEA 0183	12	2	2
661131.651660	4050455.053652	29,700		-109.198851	36.585979	11/8/2012	105530	1856.28	NMEA 0183	12	2	2
661136.227992	4050466.600014	29,700		-109.198797	36.586082	11/8/2012	105706	1856.10	NMEA 0183	12	2	2
661138.441900	4050463.641337	29,700		-109.198773	36.586055	11/8/2012	105709	1856.05	NMEA 0183	12	2	2
661168.211013	4050451.479158	29,700		-109.198443	36.585940	11/8/2012	110000	1856.37	NMEA 0183	12	2	2
661169.694659	4050449.440885	29,700		-109.198427	36.585922	11/8/2012	110002	1856.27	NMEA 0183	12	2	2
661163.312020	4050450.860160	29,700		-109.198498	36.585935	11/8/2012	110045	1856.22	NMEA 0183	12	2	2
661159.761131	4050446.123163	29,700		-109.198538	36.585893	11/8/2012	110123	1851.89	NMEA 0183	12	2	2
660867.224095	4050240.613304	29,800		-109.201850	36.584091	11/3/2012	141321	1863.60	NMEA 0183	12	2	2
660856.581803	4050244.144971	29,800		-109.201968	36.584125	11/3/2012	141425	1863.81	NMEA 0183	12	2	2
660856.893968	4050243.087250	29,800		-109.201965	36.584115	11/3/2012	141426	1863.82	NMEA 0183	12	2	2
660871.091639	4050205.081347	29,800		-109.201814	36.583770	11/3/2012	141607	1863.98	NMEA 0183	12	2	2
660871.585623	4050200.764209	29,800		-109.201810	36.583731	11/3/2012	141652	1863.93	NMEA 0183	12	2	2
661023.041923	4050419.504433	29,800		-109.200072	36.585677	11/5/2012	115253	1858.62	NMEA 0183	12	2	2
661001.082884	4050301.777643	29,800		-109.200342	36.584620	11/6/2012	102509	1860.87	NMEA 0183	12	2	2
660991.974965	4050293.869904	29,800		-109.200445	36.584550	11/6/2012	102540	1861.32	NMEA 0183	12	2	2
660980.265824	4050284.829560	29,800		-109.200578	36.584470	11/6/2012	102614	1861.69	NMEA 0183	12	2	2
660929.210110	4050244.065086	29,800		-109.201157	36.584112	11/6/2012	102939	1863.15	NMEA 0183	12	2	2
660927.005493	4050246.289668	29,800		-109.201181	36.584132	11/6/2012	102942	1863.15	NMEA 0183	12	2	2
660907.316751	4050226.107475	29,800		-109.201405	36.583953	11/6/2012	103055	1863.87	NMEA 0183	12	2	2
661143.622519	4050422.337167	29,800		-109.198724	36.585682	11/8/2012	104700	1857.08	NMEA 0183	12	2	2
661109.011294	4050432.274166	29,800		-109.199108	36.585777	11/8/2012	104851	1857.37	NMEA 0183	12	2	2
661123.799331	4050425.295035	29,800		-109.198945	36.585712	11/8/2012	104948	1857.20	NMEA 0183	12	2	2
661130.039058	4050431.182967	29,800		-109.198874	36.585764	11/8/2012	105151	1856.81	NMEA 0183	12	2	2
661129.964790	4050437.931039	29,800		-109.198873	36.585825	11/8/2012	105224	1856.72	NMEA 0183	12	2	2
661142.643721	4050424.658659	29,800		-109.198734	36.585703	11/8/2012	105319	1856.61	NMEA 0183	12	2	2
661143.613477	4050439.690648	29,800		-109.198720	36.585838	11/8/2012	105515	1856.18	NMEA 0183	12	2	2
661136.426843	4050454.876801	29,800		-109.198797	36.585976	11/8/2012	105556	1856.13	NMEA 0183	12	2	2
661133.496660	4050463.739163	29,800		-109.198828	36.586057	11/8/2012	105652	1856.16	NMEA 0183	12	2	2
661132.660864	4050464.639086	29,800		-109.198837	36.586065	11/8/2012	105653	1856.20	NMEA 0183	12	2	2
661164.106712	4050456.768123	29,800		-109.198488	36.585989	11/8/2012	105954	1856.37	NMEA 0183	12	2	2
660862.612080	4050268.100061	29,900		-109.201896	36.584339	11/3/2012	141128	1863.45	NMEA 0183	12	2	2
660868.689183	4050238.607929	29,900		-109.201834	36.584073	11/3/2012	141323	1863.55	NMEA 0183	12	2	2
660871.078496	4050200.362590	29,900		-109.201815	36.583728	11/3/2012	141653	1863.97	NMEA 0183	12	2	2
660908.490350	4050327.030891	29,900		-109.201371	36.584863	11/5/2012	122940	1861.48	NMEA 0183	12	2	2
660949.327775	4050343.561919	29,900		-109.200911	36.585005	11/5/2012	123540	1860.55	NMEA 0183	12	2	2
660974.566751	4050280.568486	29,900		-109.200642	36.584433	11/6/2012	102644	1861.96	NMEA 0183	12	2	2
660968.457129	4050276.802840	29,900		-109.200711	36.584400	11/6/2012	102703	1862.09	NMEA 0183	12	2	2
660931.637674	4050246.426315	29,900		-109.201129	36.584132	11/6/2012	102932	1862.87	NMEA 0183	12	2	2
660895.364575	4050213.703705	29,900		-109.201541	36.583844	11/6/2012	103139	1864.09	NMEA 0183	12	2	2
661142.028264	4050425.501673	29,900		-109.198741	36.585711	11/8/2012	105317	1856.55	NMEA 0183	12	2	2
661150.621981	4050430.268449	29,900		-109.198644	36.585752	11/8/2012	105506	1856.39	NMEA 0183	12	2	2
661145.254764	4050437.518450	29,900		-109.198702	36.585818	11/8/2012	105513	1856.37	NMEA 0183	12	2	2
661143.079403	4050449.720674	29,900		-109.198724	36.585929	11/8/2012	105603	1856.18	NMEA 0183	12	2	2
661153.967453	4050442.860860	29,900		-109.198604	36.585865	11/8/2012	105729	1856.05	NMEA 0183	12	2	2
661138.134989	4050468.953401	29,900		-109.198775	36.586103	11/8/2012	105813	1856.24	NMEA 0183	12	2	2
661151.650934	4050454.396402	29,900		-109.198627	36.585969	11/8/2012	105837	1856.36	NMEA 0183	12	2	2
661154.509508	4050450.867167	29,900		-109.198596	36.585937	11/8/2012	105843	1856.21	NMEA 0183	12	2	2
661154.428199	4050463.480427	29,900		-109.198594	36.586051	11/8/2012	105925	1856.48	NMEA 0183	12	2	2
661167.443248	4050452.091805	29,900		-109.198451	36.585946	11/8/2012	105959	1856.42	NMEA 0183	12	2	2
660858.920913	4050303.455903	30,000		-109.201930	36.584659	11/3/2012	140347	1862.96	NMEA 0183	12	2	2
660870.473183	4050241.482404	30,000		-109.201813	36.584098	11/3/2012	141248	1863.40	NMEA 0183	12	2	2
660856.157026	4050238.863611	30,000		-109.201974	36.584077	11/3/2012	141531	1864.06	NMEA 0183	12	2	2
660874.120204	4050207.213347	30,000		-109.201780	36.583789	11/3/2012	141603	1864.04	NMEA 0183	12	2	2
660868.419949	4050210.663606	30,000		-109.201843	36.583821	11/3/2012	141643	1864.07	NMEA 0183	12	2	2
661013.328059	4050414.568835	30,000		-109.200181	36.585634	11/5/2012	121438	1858.62	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661008.680654	4050311.386556	30,000		-109.200255	36.584705	11/6/2012	102442	1860.74	NMEA 0183	12	2	2
661002.624471	4050305.087832	30,000		-109.200324	36.584649	11/6/2012	102504	1860.73	NMEA 0183	12	2	2
660922.139157	4050243.281649	30,000		-109.201236	36.584106	11/6/2012	103000	1863.31	NMEA 0183	12	2	2
660922.614943	4050239.459884	30,000		-109.201231	36.584071	11/6/2012	103005	1863.48	NMEA 0183	12	2	2
660896.832591	4050221.107668	30,000		-109.201523	36.583910	11/6/2012	103127	1864.01	NMEA 0183	12	2	2
660891.926722	4050211.203353	30,000		-109.201580	36.583822	11/6/2012	103152	1864.21	NMEA 0183	12	2	2
661113.040347	4050433.864556	30,000		-109.199063	36.585791	11/8/2012	104907	1857.32	NMEA 0183	12	2	2
661118.730661	4050431.261425	30,000		-109.199000	36.585766	11/8/2012	104954	1857.20	NMEA 0183	12	2	2
661139.246423	4050415.944051	30,000		-109.198774	36.585625	11/8/2012	105120	1857.04	NMEA 0183	12	2	2
661133.501586	4050436.894922	30,000		-109.198834	36.585815	11/8/2012	105306	1856.59	NMEA 0183	12	2	2
661149.094260	4050432.270755	30,000		-109.198660	36.585770	11/8/2012	105508	1856.38	NMEA 0183	12	2	2
661148.307808	4050433.323275	30,000		-109.198669	36.585780	11/8/2012	105509	1856.36	NMEA 0183	12	2	2
661153.539627	4050438.707718	30,000		-109.198609	36.585828	11/8/2012	105627	1856.09	NMEA 0183	12	2	2
661135.955014	4050460.949689	30,000		-109.198801	36.586031	11/8/2012	105649	1856.11	NMEA 0183	12	2	2
661151.318831	4050451.502834	30,000		-109.198632	36.585943	11/8/2012	105756	1856.12	NMEA 0183	12	2	2
661143.070226	4050467.638304	30,000		-109.198720	36.586090	11/8/2012	105824	1856.24	NMEA 0183	12	2	2
661147.567311	4050462.959687	30,000		-109.198671	36.586047	11/8/2012	105856	1856.71	NMEA 0183	12	2	2
660859.631710	4050268.416081	30,100		-109.201929	36.584343	11/3/2012	141133	1863.45	NMEA 0183	12	2	2
660863.714489	4050219.385548	30,100		-109.201894	36.583900	11/3/2012	141635	1864.09	NMEA 0183	12	2	2
660870.582232	4050204.881300	30,100		-109.201820	36.583768	11/3/2012	141648	1863.83	NMEA 0183	12	2	2
661069.530846	4050363.335053	30,100		-109.199564	36.585163	11/6/2012	102058	1859.18	NMEA 0183	12	2	2
660992.401920	4050296.003173	30,100		-109.200440	36.584569	11/6/2012	102537	1861.30	NMEA 0183	12	2	2
660911.836994	4050232.305240	30,100		-109.201353	36.584009	11/6/2012	103036	1863.70	NMEA 0183	12	2	2
661138.230311	4050430.522640	30,100		-109.198782	36.585756	11/8/2012	105312	1856.55	NMEA 0183	12	2	2
661144.367293	4050425.020208	30,100		-109.198715	36.585706	11/8/2012	105350	1856.83	NMEA 0183	12	2	2
661144.386484	4050432.988968	30,100		-109.198713	36.585778	11/8/2012	105457	1856.35	NMEA 0183	12	2	2
661135.544785	4050455.777707	30,100		-109.198807	36.585984	11/8/2012	105555	1856.10	NMEA 0183	12	2	2
661140.289274	4050451.986018	30,100		-109.198755	36.585949	11/8/2012	105600	1856.14	NMEA 0183	12	2	2
661147.632383	4050440.150713	30,100		-109.198675	36.585842	11/8/2012	105612	1856.22	NMEA 0183	12	2	2
661144.237454	4050451.205474	30,100		-109.198711	36.585942	11/8/2012	105639	1856.24	NMEA 0183	12	2	2
661142.753017	4050453.365814	30,100		-109.198727	36.585961	11/8/2012	105641	1856.17	NMEA 0183	12	2	2
661155.067945	4050468.344118	30,100		-109.198586	36.586094	11/8/2012	105942	1856.35	NMEA 0183	12	2	2
661171.760998	4050447.113889	30,100		-109.198404	36.585900	11/8/2012	110005	1856.36	NMEA 0183	12	2	2
661167.494641	4050447.599907	30,100		-109.198452	36.585905	11/8/2012	110014	1856.34	NMEA 0183	12	2	2
661155.292518	4050464.321585	30,100		-109.198585	36.586058	11/8/2012	110031	1856.26	NMEA 0183	12	2	2
661158.772912	4050454.119281	30,100		-109.198548	36.585966	11/8/2012	110111	1857.34	NMEA 0183	12	2	2
660870.348410	4050283.547147	30,100		-109.201806	36.584477	11/3/2012	140415	1862.99	NMEA 0183	12	2	2
660870.348167	4050283.560090	30,100		-109.201806	36.584477	11/3/2012	140431	1863.01	NMEA 0183	12	2	2
660876.224216	4050273.263790	30,100		-109.201743	36.584384	11/3/2012	140510	1863.02	NMEA 0183	12	2	2
660880.634259	4050258.565587	30,100		-109.201696	36.584250	11/3/2012	140836	1862.95	NMEA 0183	12	2	2
660881.304655	4050228.957493	30,100		-109.201695	36.583984	11/3/2012	141235	1863.50	NMEA 0183	12	2	2
660879.031213	4050225.613288	30,100		-109.201721	36.583954	11/3/2012	141336	1863.56	NMEA 0183	12	2	2
660872.763115	4050215.883259	30,100		-109.201793	36.583867	11/3/2012	141507	1863.75	NMEA 0183	12	2	2
660859.376183	4050204.418225	30,100		-109.201945	36.583766	11/3/2012	141729	1864.72	NMEA 0183	12	2	2
660834.649907	4050180.873595	30,100		-109.202226	36.583558	11/3/2012	142119	1865.42	NMEA 0183	12	2	2
660883.438508	4050206.917895	30,100		-109.201676	36.583785	11/3/2012	142336	1864.19	NMEA 0183	12	2	2
661054.009229	4050407.160838	30,100		-109.199728	36.585560	11/5/2012	114944	1858.78	NMEA 0183	12	2	2
661038.527776	4050409.989378	30,100		-109.199901	36.585588	11/5/2012	115110	1858.85	NMEA 0183	12	2	2
661037.553167	4050409.301540	30,100		-109.199912	36.585582	11/5/2012	115111	1858.90	NMEA 0183	12	2	2
661037.636928	4050415.899045	30,100		-109.199909	36.585642	11/5/2012	115138	1858.66	NMEA 0183	12	2	2
661024.197730	4050416.172623	30,100		-109.200059	36.585646	11/5/2012	115217	1858.65	NMEA 0183	12	2	2
661028.975653	4050424.052941	30,100		-109.200004	36.585717	11/5/2012	115245	1858.54	NMEA 0183	12	2	2
661017.646356	4050410.911523	30,100		-109.200134	36.585600	11/5/2012	115329	1858.81	NMEA 0183	12	2	2
660984.095729	4050391.779075	30,100		-109.200512	36.585433	11/5/2012	115409	1859.31	NMEA 0183	12	2	2
660866.446748	4050241.658621	30,200		-109.201858	36.584100	11/3/2012	141320	1863.64	NMEA 0183	12	2	2
660871.464835	4050218.061925	30,200		-109.201807	36.583887	11/3/2012	141509	1863.80	NMEA 0183	12	2	2
660870.044704	4050214.953800	30,200		-109.201824	36.583859	11/3/2012	141555	1864.09	NMEA 0183	12	2	2
660861.792332	4050222.140738	30,200		-109.201914	36.583925	11/3/2012	141632	1864.14	NMEA 0183	12	2	2
661024.496795	4050424.734815	30,200		-109.200054	36.585723	11/5/2012	115228	1858.51	NMEA 0183	12	2	2
661074.412360	4050366.482172	30,200		-109.199509	36.585190	11/6/2012	102035	1859.12	NMEA 0183	12	2	2
661061.189536	4050356.396027	30,200		-109.199659	36.585102	11/6/2012	102135	1859.29	NMEA 0183	12	2	2
661004.742927	4050306.906890	30,200		-109.200300	36.584665	11/6/2012	102455	1860.65	NMEA 0183	12	2	2
660987.948585	4050290.618619	30,200		-109.200491	36.584521	11/6/2012	102554	1861.51	NMEA 0183	12	2	2
660936.727183	4050255.760696	30,200		-109.201070	36.584216	11/6/2012	102905	1862.73	NMEA 0183	12	2	2
660917.222450	4050238.103025	30,200		-109.201292	36.584060	11/6/2012	103018	1863.65	NMEA 0183	12	2	2
660917.497317	4050237.285066	30,200		-109.201289	36.584052	11/6/2012	103019	1863.66	NMEA 0183	12	2	2
660901.784793	4050225.347310	30,200		-109.201467	36.583948	11/6/2012	103107	1864.00	NMEA 0183	12	2	2
660887.413764	4050212.267546	30,200		-109.201630	36.583832	11/6/2012	103159	1864.25	NMEA 0183	12	2	2
661143.844458	4050422.354275	30,200		-109.198721	36.585682	11/8/2012	104703	1857.11	NMEA 0183	12	2	2
661108.272250	4050433.185154	30,200		-109.199116	36.585785	11/8/2012	104852	1857.39	NMEA 0183	12	2	2
661116.260461	4050430.146018	30,200		-109.199028	36.585757	11/8/2012	104911	1857.25	NMEA 0183	12	2	2
661120.791661	4050424.681914	30,200		-109.198978	36.585707	11/8/2012	104917	1857.27	NMEA 0183	12	2	2
661128.488109	4050433.310619	30,200		-109.198890	36.585783	11/8/2012	105149	1856.84	NMEA 0183	12	2	2
661141.189216	4050437.159244	30,200		-109.198748	36.585816	11/8/2012	105453	1856.26	NMEA 0183	12	2	2
661139.938403	4050461.712432	30,200		-109.198757	36.586037	11/8/2012	105711	1856.11	NMEA 0183	12	2	2
661157.325146	4050442.626004	30,200		-109.198566	36.585862	11/8/2012	105747	1856.17	NMEA 0183	12	2	2
661136.874816	4050470.847893	30,200		-109.198789	36.586120	11/8/2012	105815	1856.31	NMEA 0183	12	2	2
661136.657222	4050471.713162	30,200		-109.198791	36.586128	11/8/2012	105816	1856.27	NMEA 0183	12	2	2
661158.292993	4050440.809269	30,200		-109.198556	36.585846	11/8/2012	110129	1854.25	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661063.056917	4050400.199845	30,200		-109.199628	36.585496	11/6/2012	105230	1858.69	NMEA 0183	12	2	2
661062.578234	4050399.156910	30,200		-109.199634	36.585487	11/6/2012	105231	1858.65	NMEA 0183	12	2	2
661058.780607	4050384.575071	30,200		-109.199680	36.585356	11/6/2012	105317	1858.76	NMEA 0183	12	2	2
661084.456615	4050376.475487	30,200		-109.199394	36.585279	11/6/2012	105503	1857.99	NMEA 0183	12	2	2
661128.378296	4050411.870830	30,200		-109.198896	36.585590	11/8/2012	104724	1857.27	NMEA 0183	12	2	2
661119.196883	4050452.946501	30,200		-109.198990	36.585962	11/8/2012	105239	1856.76	NMEA 0183	12	2	2
661125.016538	4050458.882048	30,200		-109.198924	36.586014	11/8/2012	105432	1856.61	NMEA 0183	12	2	2
660905.445675	4050300.098173	30,200		-109.201410	36.584621	11/3/2012	134550	1862.62	NMEA 0183	12	2	2
660906.743035	4050286.013156	30,200		-109.201399	36.584493	11/3/2012	134936	1862.68	NMEA 0183	12	2	2
660885.305909	4050316.298024	30,200		-109.201632	36.584770	11/3/2012	135006	1862.71	NMEA 0183	12	2	2
660914.657041	4050271.878110	30,200		-109.201313	36.584365	11/3/2012	135208	1863.17	NMEA 0183	12	2	2
660889.969246	4050303.369152	30,200		-109.201583	36.584653	11/3/2012	135251	1863.03	NMEA 0183	12	2	2
660903.155742	4050283.289889	30,200		-109.201440	36.584469	11/3/2012	135310	1863.13	NMEA 0183	12	2	2
660885.323384	4050300.378227	30,200		-109.201635	36.584626	11/3/2012	135442	1862.97	NMEA 0183	12	2	2
660875.656050	4050316.381950	30,200		-109.201740	36.584772	11/3/2012	135458	1862.97	NMEA 0183	12	2	2
660881.488489	4050301.001940	30,200		-109.201678	36.584633	11/3/2012	135523	1862.75	NMEA 0183	12	2	2
660874.166902	4050303.730076	30,200		-109.201759	36.584659	11/3/2012	135732	1862.95	NMEA 0183	12	2	2
660874.353711	4050302.037423	30,200		-109.201757	36.584643	11/3/2012	135754	1862.92	NMEA 0183	12	2	2
660876.949897	4050294.271141	30,200		-109.201730	36.584573	11/3/2012	135857	1862.77	NMEA 0183	12	2	2
660885.641573	4050280.744367	30,200		-109.201636	36.584449	11/3/2012	135910	1862.69	NMEA 0183	12	2	2
660884.647440	4050276.554754	30,200		-109.201648	36.584412	11/3/2012	140037	1862.87	NMEA 0183	12	2	2
660879.214684	4050284.525059	30,200		-109.201707	36.584485	11/3/2012	140045	1862.89	NMEA 0183	12	2	2
660877.162777	4050283.452696	30,200		-109.201730	36.584475	11/3/2012	140140	1862.92	NMEA 0183	12	2	2
660875.583510	4050279.283580	30,200		-109.201748	36.584438	11/3/2012	140320	1863.06	NMEA 0183	12	2	2
660868.924092	4050289.911111	30,200		-109.201821	36.584535	11/3/2012	140330	1862.85	NMEA 0183	12	2	2
660876.336249	4050272.936645	30,200		-109.201741	36.584381	11/3/2012	140522	1863.11	NMEA 0183	12	2	2
660890.872313	4050251.286350	30,200		-109.201583	36.584183	11/3/2012	140615	1863.16	NMEA 0183	12	2	2
660873.673640	4050270.062374	30,200		-109.201772	36.584355	11/3/2012	140847	1862.99	NMEA 0183	12	2	2
660866.803554	4050281.664441	30,200		-109.201846	36.584461	11/3/2012	140858	1863.00	NMEA 0183	12	2	2
660849.349046	4050205.525395	30,200		-109.202057	36.583778	11/3/2012	141810	1865.00	NMEA 0183	12	2	2
660852.572802	4050201.211235	30,200		-109.202022	36.583738	11/3/2012	141815	1865.24	NMEA 0183	12	2	2
660845.358876	4050191.881559	30,200		-109.202104	36.583656	11/3/2012	141921	1865.02	NMEA 0183	12	2	2
661050.292316	4050411.521176	30,200		-109.199769	36.585600	11/5/2012	115029	1858.73	NMEA 0183	12	2	2
661042.070065	4050412.721112	30,200		-109.199860	36.585612	11/5/2012	115106	1858.79	NMEA 0183	12	2	2
660861.083118	4050190.762595	30,300		-109.201929	36.583643	11/3/2012	141827	1864.61	NMEA 0183	12	2	2
661009.480777	4050413.466512	30,300		-109.200224	36.585624	11/5/2012	121415	1858.70	NMEA 0183	12	2	2
660997.489227	4050380.565609	30,300		-109.200365	36.585330	11/5/2012	122034	1859.23	NMEA 0183	12	2	2
660904.643242	4050319.301246	30,300		-109.201415	36.584794	11/5/2012	122627	1861.70	NMEA 0183	12	2	2
660943.843895	4050372.190220	30,300		-109.200966	36.585264	11/5/2012	123359	1860.52	NMEA 0183	12	2	2
660985.940552	4050382.798313	30,300		-109.200494	36.585352	11/5/2012	123446	1859.66	NMEA 0183	12	2	2
661005.573215	4050306.221413	30,300		-109.200290	36.584659	11/6/2012	102454	1860.67	NMEA 0183	12	2	2
660994.302482	4050298.545069	30,300		-109.200418	36.584592	11/6/2012	102527	1861.19	NMEA 0183	12	2	2
660975.299114	4050280.093885	30,300		-109.200634	36.584428	11/6/2012	102643	1862.02	NMEA 0183	12	2	2
660971.111695	4050276.440065	30,300		-109.200682	36.584396	11/6/2012	102700	1862.07	NMEA 0183	12	2	2
661067.964421	4050371.703225	30,300		-109.199580	36.585238	11/6/2012	105430	1858.72	NMEA 0183	12	2	2
661111.308851	4050429.866404	30,300		-109.199083	36.585755	11/8/2012	104848	1857.49	NMEA 0183	12	2	2
661127.369389	4050421.608955	30,300		-109.198905	36.585678	11/8/2012	104944	1857.24	NMEA 0183	12	2	2
661123.752542	4050438.138300	30,300		-109.198942	36.585827	11/8/2012	105052	1856.86	NMEA 0183	12	2	2
661126.902483	4050435.178432	30,300		-109.198908	36.585802	11/8/2012	105147	1856.89	NMEA 0183	12	2	2
661145.653057	4050463.062530	30,300		-109.198692	36.586048	11/8/2012	105828	1856.32	NMEA 0183	12	2	2
661148.729334	4050466.699316	30,300		-109.198657	36.586081	11/8/2012	105914	1856.50	NMEA 0183	12	2	2
661155.714090	4050467.375903	30,300		-109.198579	36.586086	11/8/2012	105943	1856.35	NMEA 0183	12	2	2
661162.797047	4050458.756018	30,300		-109.198502	36.586007	11/8/2012	105952	1856.40	NMEA 0183	12	2	2
661164.084453	4050452.942577	30,300		-109.198489	36.585954	11/8/2012	110019	1856.17	NMEA 0183	12	2	2
661168.550863	4050443.058408	30,300		-109.198441	36.585864	11/8/2012	110053	1856.38	NMEA 0183	12	2	2
661159.512249	4050450.407894	30,300		-109.198540	36.585932	11/8/2012	110106	1856.29	NMEA 0183	12	2	2
660928.033663	4050271.053826	30,300		-109.201164	36.584355	11/3/2012	134427	1862.28	NMEA 0183	12	2	2
660916.662600	4050284.352842	30,300		-109.201288	36.584477	11/3/2012	134607	1863.02	NMEA 0183	12	2	2
660925.381133	4050261.824253	30,300		-109.201196	36.584272	11/3/2012	134911	1863.19	NMEA 0183	12	2	2
660913.664168	4050228.329349	30,300		-109.201334	36.583972	11/6/2012	103041	1863.70	NMEA 0183	12	2	2
660935.157409	4050260.329597	30,300		-109.201087	36.584257	11/3/2012	134409	1862.62	NMEA 0183	12	2	2
660935.085207	4050260.282003	30,300		-109.201088	36.584257	11/3/2012	134413	1862.58	NMEA 0183	12	2	2
660930.276817	4050267.328032	30,300		-109.201140	36.584321	11/3/2012	134423	1862.52	NMEA 0183	12	2	2
660920.759412	4050282.248759	30,300		-109.201243	36.584457	11/3/2012	134439	1862.46	NMEA 0183	12	2	2
660892.338022	4050315.088610	30,300		-109.201554	36.584758	11/3/2012	134738	1862.50	NMEA 0183	12	2	2
660925.537985	4050265.557978	30,300		-109.201193	36.584306	11/3/2012	134853	1863.18	NMEA 0183	12	2	2
660896.793517	4050227.260794	30,300		-109.201522	36.583966	11/3/2012	141024	1863.19	NMEA 0183	12	2	2
660850.607869	4050184.246285	30,300		-109.202047	36.583586	11/3/2012	142216	1864.85	NMEA 0183	12	2	2
660861.766453	4050187.407129	30,300		-109.201922	36.583612	11/3/2012	142225	1864.92	NMEA 0183	12	2	2
660885.276346	4050212.575287	30,300		-109.201654	36.583835	11/3/2012	142259	1863.99	NMEA 0183	12	2	2
660906.918089	4050301.845925	30,300		-109.201394	36.584636	11/3/2012	134501	1862.35	NMEA 0183	12	2	2
660892.135241	4050323.214123	30,300		-109.201554	36.584831	11/3/2012	134524	1862.52	NMEA 0183	12	2	2
660919.831209	4050269.516740	30,300		-109.201256	36.584343	11/3/2012	134919	1862.95	NMEA 0183	12	2	2
660910.686273	4050280.876432	30,300		-109.201356	36.584446	11/3/2012	134931	1862.86	NMEA 0183	12	2	2
660887.943655	4050307.905484	30,300		-109.201604	36.584694	11/3/2012	135245	1862.96	NMEA 0183	12	2	2
660916.483554	4050263.474093	30,300		-109.201295	36.584289	11/3/2012	135331	1863.34	NMEA 0183	12	2	2
660884.011311	4050302.576979	30,300		-109.201649	36.584646	11/3/2012	135444	1863.00	NMEA 0183	12	2	2
660890.568721	4050287.038521	30,300		-109.201579	36.584505	11/3/2012	135536	1862.85	NMEA 0183	12	2	2
660903.558934	4050268.043192	30,300		-109.201438	36.584332	11/3/2012	135554	1863.13	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660907.632115	4050261.941520	30,300		-109.201394	36.584276	11/3/2012	135600	1863.43	NMEA 0183	12	2	2
660902.228705	4050261.328033	30,300		-109.201454	36.584272	11/3/2012	135651	1863.44	NMEA 0183	12	2	2
660900.770062	4050263.307629	30,300		-109.201470	36.584290	11/3/2012	135653	1863.39	NMEA 0183	12	2	2
660868.433729	4050311.175007	30,300		-109.201822	36.584727	11/3/2012	135744	1862.95	NMEA 0183	12	2	2
660875.523794	4050300.331725	30,300		-109.201745	36.584628	11/3/2012	135834	1862.95	NMEA 0183	12	2	2
660874.792159	4050301.405641	30,300		-109.201753	36.584637	11/3/2012	135835	1862.94	NMEA 0183	12	2	2
660893.354543	4050268.980519	30,300		-109.201552	36.584342	11/3/2012	135922	1862.92	NMEA 0183	12	2	2
660905.919484	4050251.667834	30,300		-109.201415	36.584184	11/3/2012	135939	1863.22	NMEA 0183	12	2	2
660872.163800	4050290.005025	30,300		-109.201784	36.584535	11/3/2012	140133	1862.88	NMEA 0183	12	2	2
660866.929172	4050289.061777	30,300		-109.201843	36.584528	11/3/2012	140403	1862.86	NMEA 0183	12	2	2
660858.828266	4050287.519251	30,300		-109.201934	36.584515	11/3/2012	140926	1862.89	NMEA 0183	12	2	2
660859.756406	4050285.270769	30,300		-109.201924	36.584495	11/3/2012	140928	1862.96	NMEA 0183	12	2	2
660867.958498	4050271.599793	30,300		-109.201835	36.584370	11/3/2012	140941	1862.97	NMEA 0183	12	2	2
660882.325639	4050248.692246	30,300		-109.201679	36.584161	11/3/2012	141002	1862.80	NMEA 0183	12	2	2
660865.350849	4050263.954400	30,300		-109.201866	36.584302	11/3/2012	141124	1863.42	NMEA 0183	12	2	2
660866.096613	4050258.458183	30,300		-109.201859	36.584252	11/3/2012	141144	1863.48	NMEA 0183	12	2	2
660881.153327	4050216.238170	30,300		-109.201699	36.583869	11/3/2012	141352	1863.85	NMEA 0183	12	2	2
660869.492640	4050208.423379	30,300		-109.201831	36.583801	11/3/2012	141645	1863.96	NMEA 0183	12	2	2
660851.387889	4050183.935336	30,300		-109.202039	36.583583	11/3/2012	141912	1864.63	NMEA 0183	12	2	2
660823.889778	4050168.851070	30,300		-109.202349	36.583452	11/3/2012	142008	1865.64	NMEA 0183	12	2	2
660849.346636	4050184.365114	30,300		-109.202061	36.583587	11/3/2012	142215	1864.98	NMEA 0183	12	2	2
660871.013779	4050194.732830	30,300		-109.201817	36.583677	11/3/2012	142234	1864.63	NMEA 0183	12	2	2
661043.117642	4050402.824634	30,300		-109.199851	36.585523	11/5/2012	115018	1858.95	NMEA 0183	12	2	2
660904.926886	4050319.313620	30,400		-109.201418	36.584541	11/3/2012	134825	1862.87	NMEA 0183	12	2	2
660863.725322	4050229.729112	30,400		-109.201891	36.583993	11/3/2012	141520	1863.98	NMEA 0183	12	2	2
660860.815165	4050233.945553	30,400		-109.201923	36.584032	11/3/2012	141524	1864.01	NMEA 0183	12	2	2
660860.706563	4050202.756216	30,400		-109.201931	36.583751	11/3/2012	141731	1864.47	NMEA 0183	12	2	2
660988.558954	4050390.897122	30,400		-109.200463	36.585425	11/5/2012	121623	1858.63	NMEA 0183	12	2	2
661009.479124	4050388.943511	30,400		-109.200229	36.585403	11/5/2012	122022	1858.60	NMEA 0183	12	2	2
660988.639993	4050378.762934	30,400		-109.200464	36.585315	11/5/2012	123450	1859.44	NMEA 0183	12	2	2
661055.208638	4050349.983993	30,400		-109.199727	36.585045	11/6/2012	102202	1859.73	NMEA 0183	12	2	2
661026.094920	4050325.871953	30,400		-109.200057	36.584832	11/6/2012	102348	1860.36	NMEA 0183	12	2	2
661015.699678	4050317.806898	30,400		-109.200175	36.584761	11/6/2012	102420	1860.44	NMEA 0183	12	2	2
660970.284008	4050276.030588	30,400		-109.200691	36.584393	11/6/2012	102701	1862.10	NMEA 0183	12	2	2
660966.534900	4050274.859838	30,400		-109.200733	36.584383	11/6/2012	102715	1862.06	NMEA 0183	12	2	2
660928.464651	4050244.840942	30,400		-109.201165	36.584119	11/6/2012	102940	1863.22	NMEA 0183	12	2	2
660926.597072	4050243.244862	30,400		-109.201186	36.584105	11/6/2012	102948	1863.30	NMEA 0183	12	2	2
661130.604932	4050436.805487	30,400		-109.198866	36.585814	11/8/2012	105223	1856.74	NMEA 0183	12	2	2
661141.548197	4050430.183450	30,400		-109.198745	36.585753	11/8/2012	105356	1856.67	NMEA 0183	12	2	2
661154.941775	4050451.520806	30,400		-109.198591	36.585943	11/8/2012	105844	1856.18	NMEA 0183	12	2	2
661160.625915	4050448.451469	30,400		-109.198528	36.585914	11/8/2012	110104	1856.29	NMEA 0183	12	2	2
660934.311102	4050247.686043	30,400		-109.201099	36.584143	11/6/2012	102921	1862.86	NMEA 0183	12	2	2
660888.974335	4050208.667694	30,400		-109.201614	36.583799	11/6/2012	103208	1864.38	NMEA 0183	12	2	2
660913.150944	4050294.245749	30,400		-109.201326	36.584566	11/6/2012	104305	1862.04	NMEA 0183	12	2	2
660911.818739	4050288.991792	30,400		-109.201342	36.584519	11/6/2012	104320	1861.97	NMEA 0183	12	2	2
660912.575645	4050288.401116	30,400		-109.201333	36.584514	11/6/2012	104321	1861.99	NMEA 0183	12	2	2
661052.122065	4050399.924704	30,400		-109.199751	36.585495	11/6/2012	105159	1858.64	NMEA 0183	12	2	2
661065.650209	4050385.828372	30,400		-109.199603	36.585366	11/6/2012	105335	1858.61	NMEA 0183	12	2	2
661069.442427	4050388.596244	30,400		-109.199560	36.585390	11/6/2012	105339	1858.50	NMEA 0183	12	2	2
661081.678945	4050373.856095	30,400		-109.199426	36.585255	11/6/2012	105506	1858.25	NMEA 0183	12	2	2
661117.924279	4050445.714468	30,400		-109.199006	36.585897	11/8/2012	105044	1856.98	NMEA 0183	12	2	2
661118.775160	4050444.805577	30,400		-109.198997	36.585888	11/8/2012	105045	1856.98	NMEA 0183	12	2	2
660896.474580	4050307.591618	30,400		-109.201509	36.584690	11/3/2012	134731	1862.51	NMEA 0183	12	2	2
660900.233880	4050298.413613	30,400		-109.201469	36.584606	11/3/2012	134818	1862.64	NMEA 0183	12	2	2
660907.497635	4050284.987764	30,400		-109.201391	36.584484	11/3/2012	134935	1862.63	NMEA 0183	12	2	2
660898.213115	4050284.279446	30,400		-109.201495	36.584479	11/3/2012	135054	1862.75	NMEA 0183	12	2	2
660908.195533	4050265.312918	30,400		-109.201387	36.584307	11/3/2012	135111	1863.28	NMEA 0183	12	2	2
660916.840883	4050268.929914	30,400		-109.201290	36.584338	11/3/2012	135205	1863.21	NMEA 0183	12	2	2
660913.822781	4050272.855769	30,400		-109.201323	36.584374	11/3/2012	135209	1863.12	NMEA 0183	12	2	2
660898.831938	4050292.501720	30,400		-109.201486	36.584553	11/3/2012	135229	1862.95	NMEA 0183	12	2	2
660887.949492	4050306.477647	30,400		-109.201605	36.584681	11/3/2012	135248	1863.00	NMEA 0183	12	2	2
660892.084680	4050300.249501	30,400		-109.201560	36.584624	11/3/2012	135254	1863.13	NMEA 0183	12	2	2
660901.195321	4050286.575210	30,400		-109.201461	36.584499	11/3/2012	135307	1863.16	NMEA 0183	12	2	2
660915.707103	4050264.471331	30,400		-109.201303	36.584298	11/3/2012	135330	1863.51	NMEA 0183	12	2	2
660918.686992	4050254.139347	30,400		-109.201272	36.584204	11/3/2012	135355	1863.23	NMEA 0183	12	2	2
660910.439693	4050266.235363	30,400		-109.201362	36.584315	11/3/2012	135408	1863.45	NMEA 0183	12	2	2
660908.304602	4050268.969911	30,400		-109.201385	36.584340	11/3/2012	135411	1863.32	NMEA 0183	12	2	2
660899.113896	4050280.942849	30,400		-109.201485	36.584449	11/3/2012	135423	1862.78	NMEA 0183	12	2	2
660872.947657	4050316.194395	30,400		-109.201770	36.584771	11/3/2012	135507	1862.81	NMEA 0183	12	2	2
660872.991350	4050304.053968	30,400		-109.201772	36.584662	11/3/2012	135752	1862.89	NMEA 0183	12	2	2
660875.720321	4050296.366007	30,400		-109.201743	36.584592	11/3/2012	135855	1862.72	NMEA 0183	12	2	2
660865.364996	4050304.016699	30,500		-109.201857	36.584663	11/3/2012	140105	1862.91	NMEA 0183	12	2	2
660877.876612	4050219.874349	30,500		-109.201735	36.583902	11/3/2012	141356	1863.62	NMEA 0183	12	2	2
660859.141218	4050243.845119	30,500		-109.201940	36.584121	11/3/2012	141421	1863.75	NMEA 0183	12	2	2
660867.852712	4050223.280698	30,500		-109.201847	36.583935	11/3/2012	141514	1864.03	NMEA 0183	12	2	2
660865.845373	4050226.602143	30,500		-109.201868	36.583965	11/3/2012	141517	1863.94	NMEA 0183	12	2	2
660869.095750	4050199.260080	30,500		-109.201838	36.583718	11/3/2012	142320	1864.21	NMEA 0183	12	2	2
660869.101369	4050199.278682	30,500		-109.201838	36.583718	11/3/2012	142321	1864.16	NMEA 0183	12	2	2
660868.982547	4050199.011956	30,500		-109.201839	36.583716	11/3/2012	142322	1864.20	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660987.705515	4050402.537781	30,500		-109.200470	36.585530	11/5/2012	121530	1859.22	NMEA 0183	12	2	2
660935.065321	4050366.532357	30,500		-109.201066	36.585214	11/5/2012	123611	1860.82	NMEA 0183	12	2	2
661027.313478	4050324.207875	30,500		-109.200044	36.584817	11/6/2012	102350	1860.28	NMEA 0183	12	2	2
661027.377192	4050323.195447	30,500		-109.200043	36.584808	11/6/2012	102351	1860.36	NMEA 0183	12	2	2
661012.070812	4050311.013524	30,500		-109.200217	36.584701	11/6/2012	102437	1860.73	NMEA 0183	12	2	2
660995.063931	4050297.791714	30,500		-109.200410	36.584585	11/6/2012	102526	1861.18	NMEA 0183	12	2	2
660964.431705	4050272.543514	30,500		-109.200757	36.584362	11/6/2012	102720	1862.11	NMEA 0183	12	2	2
660961.599416	4050271.005200	30,500		-109.200789	36.584349	11/6/2012	102733	1862.17	NMEA 0183	12	2	2
660938.317844	4050254.379172	30,500		-109.201053	36.584203	11/6/2012	102903	1862.68	NMEA 0183	12	2	2
660936.724821	4050250.866420	30,500		-109.201071	36.584172	11/6/2012	102914	1862.72	NMEA 0183	12	2	2
660912.390136	4050234.472310	30,500		-109.201347	36.584028	11/6/2012	103033	1863.68	NMEA 0183	12	2	2
660906.022466	4050228.630250	30,500		-109.201419	36.583976	11/6/2012	103052	1863.90	NMEA 0183	12	2	2
660900.013450	4050223.151894	30,500		-109.201487	36.583928	11/6/2012	103111	1863.82	NMEA 0183	12	2	2
661118.185115	4050421.688382	30,500		-109.199008	36.585680	11/8/2012	104838	1857.34	NMEA 0183	12	2	2
661112.010689	4050429.110092	30,500		-109.199075	36.585748	11/8/2012	104847	1857.43	NMEA 0183	12	2	2
661124.608452	4050437.199909	30,500		-109.198933	36.585819	11/8/2012	105144	1856.99	NMEA 0183	12	2	2
661135.730837	4050449.989862	30,500		-109.198806	36.585932	11/8/2012	105525	1856.47	NMEA 0183	12	2	2
661144.979862	4050450.115134	30,500		-109.198703	36.585932	11/8/2012	105638	1856.26	NMEA 0183	12	2	2
661140.244100	4050456.226476	30,500		-109.198754	36.585988	11/8/2012	105644	1856.01	NMEA 0183	12	2	2
661145.787600	4050458.829296	30,500		-109.198692	36.586010	11/8/2012	105803	1856.24	NMEA 0183	12	2	2
661140.028634	4050471.382374	30,500		-109.198754	36.586124	11/8/2012	105820	1856.37	NMEA 0183	12	2	2
661153.062518	4050460.101366	30,500		-109.198610	36.586020	11/8/2012	105921	1856.53	NMEA 0183	12	2	2
661171.100422	4050447.817329	30,500		-109.198411	36.585907	11/8/2012	110004	1856.25	NMEA 0183	12	2	2
661172.420983	4050446.282810	30,500		-109.198397	36.585893	11/8/2012	110006	1856.36	NMEA 0183	12	2	2
661162.697694	4050445.913709	30,500		-109.198506	36.585891	11/8/2012	110101	1856.25	NMEA 0183	12	2	2
661160.493898	4050444.592421	30,500		-109.198531	36.585879	11/8/2012	110125	1855.79	NMEA 0183	12	2	2
660989.655669	4050392.711842	30,500		-109.200450	36.585441	11/5/2012	115358	1859.20	NMEA 0183	12	2	2
660992.150921	4050397.110850	30,500		-109.200421	36.585480	11/5/2012	115417	1859.18	NMEA 0183	12	2	2
660943.889325	4050372.233613	30,500		-109.200966	36.585264	11/5/2012	123347	1860.57	NMEA 0183	12	2	2
660962.420928	4050370.460831	30,500		-109.200759	36.585245	11/5/2012	124125	1861.00	NMEA 0183	12	2	2
660979.640285	4050366.514197	30,500		-109.200568	36.585206	11/5/2012	124216	1860.59	NMEA 0183	12	2	2
660908.804680	4050295.013403	30,500		-109.201374	36.584574	11/3/2012	134555	1862.67	NMEA 0183	12	2	2
660893.545632	4050310.022763	30,500		-109.201541	36.584712	11/3/2012	134807	1862.48	NMEA 0183	12	2	2
660894.462337	4050307.827711	30,500		-109.201532	36.584692	11/3/2012	134809	1862.48	NMEA 0183	12	2	2
660910.609328	4050283.712389	30,500		-109.201356	36.584472	11/3/2012	134833	1862.85	NMEA 0183	12	2	2
660922.737012	4050268.881202	30,500		-109.201224	36.584336	11/3/2012	134849	1862.64	NMEA 0183	12	2	2
660901.880846	4050291.791167	30,500		-109.201452	36.584546	11/3/2012	134942	1862.79	NMEA 0183	12	2	2
660892.687928	4050304.043369	30,500		-109.201552	36.584658	11/3/2012	134954	1862.71	NMEA 0183	12	2	2
660897.584644	4050285.340494	30,500		-109.201501	36.584489	11/3/2012	135053	1862.75	NMEA 0183	12	2	2
660905.232871	4050270.660361	30,500		-109.201419	36.584355	11/3/2012	135106	1862.93	NMEA 0183	12	2	2
660907.565149	4050266.316590	30,500		-109.201394	36.584316	11/3/2012	135110	1863.22	NMEA 0183	12	2	2
660908.826952	4050264.174240	30,500		-109.201380	36.584296	11/3/2012	135112	1863.29	NMEA 0183	12	2	2
660922.028289	4050261.637568	30,500		-109.201233	36.584271	11/3/2012	135157	1862.64	NMEA 0183	12	2	2
660912.055285	4050274.759295	30,500		-109.201342	36.584391	11/3/2012	135211	1863.08	NMEA 0183	12	2	2
660907.642979	4050280.728840	30,500		-109.201390	36.584446	11/3/2012	135217	1862.86	NMEA 0183	12	2	2
660911.117864	4050265.228887	30,500		-109.201354	36.584305	11/3/2012	135407	1863.46	NMEA 0183	12	2	2
660873.213590	4050316.650691	30,500		-109.201767	36.584775	11/3/2012	135504	1862.88	NMEA 0183	12	2	2
660878.207238	4050306.556142	30,500		-109.201713	36.584683	11/3/2012	135518	1862.81	NMEA 0183	12	2	2
660890.813656	4050277.776250	30,500		-109.201579	36.584422	11/3/2012	135707	1863.15	NMEA 0183	12	2	2
660886.520910	4050283.894166	30,500		-109.201625	36.584478	11/3/2012	135713	1863.01	NMEA 0183	12	2	2
660878.166563	4050297.649212	30,500		-109.201716	36.584603	11/3/2012	135726	1863.06	NMEA 0183	12	2	2
660878.906000	4050294.882993	30,500		-109.201708	36.584578	11/3/2012	135801	1862.96	NMEA 0183	12	2	2
660883.377169	4050288.237555	30,500		-109.201659	36.584517	11/3/2012	135823	1863.01	NMEA 0183	12	2	2
660869.664242	4050305.203247	30,500		-109.201809	36.584673	11/3/2012	135846	1862.72	NMEA 0183	12	2	2
660891.230155	4050272.100003	30,500		-109.201575	36.584371	11/3/2012	135919	1862.88	NMEA 0183	12	2	2
660899.956323	4050259.761376	30,500		-109.201480	36.584258	11/3/2012	135931	1863.40	NMEA 0183	12	2	2
660881.621143	4050318.544859	30,600		-109.201673	36.584791	11/3/2012	135023	1862.65	NMEA 0183	12	2	2
660876.404355	4050272.884279	30,600		-109.201741	36.584380	11/3/2012	140514	1863.11	NMEA 0183	12	2	2
660861.980796	4050268.992738	30,600		-109.201903	36.584348	11/3/2012	141129	1863.41	NMEA 0183	12	2	2
660873.512913	4050247.082747	30,600		-109.201778	36.584148	11/3/2012	141155	1863.51	NMEA 0183	12	2	2
660864.461962	4050249.036816	30,600		-109.201879	36.584167	11/3/2012	141256	1863.51	NMEA 0183	12	2	2
660866.574650	4050225.415351	30,600		-109.201860	36.583954	11/3/2012	141516	1863.92	NMEA 0183	12	2	2
660868.890347	4050217.253538	30,600		-109.201836	36.583880	11/3/2012	141553	1864.07	NMEA 0183	12	2	2
660869.516110	4050216.098104	30,600		-109.201829	36.583870	11/3/2012	141554	1864.12	NMEA 0183	12	2	2
660865.630843	4050210.881472	30,600		-109.201874	36.583823	11/3/2012	141614	1864.41	NMEA 0183	12	2	2
660858.953320	4050223.750475	30,600		-109.201946	36.583940	11/3/2012	141629	1864.17	NMEA 0183	12	2	2
660865.060347	4050217.215170	30,600		-109.201879	36.583880	11/3/2012	141637	1864.16	NMEA 0183	12	2	2
660861.625500	4050190.077267	30,600		-109.201923	36.583637	11/3/2012	141828	1864.91	NMEA 0183	12	2	2
661003.551260	4050384.637435	30,600		-109.200297	36.585366	11/5/2012	122028	1858.82	NMEA 0183	12	2	2
660947.793253	4050349.515032	30,600		-109.200927	36.585059	11/5/2012	123751	1860.85	NMEA 0183	12	2	2
660951.727267	4050356.822751	30,600		-109.200881	36.585124	11/5/2012	123843	1861.09	NMEA 0183	12	2	2
661065.813189	4050356.109014	30,600		-109.199607	36.585098	11/6/2012	102128	1859.17	NMEA 0183	12	2	2
661061.922271	4050355.582950	30,600		-109.199651	36.585094	11/6/2012	102134	1859.27	NMEA 0183	12	2	2
661059.064796	4050354.754404	30,600		-109.199683	36.585087	11/6/2012	102143	1859.32	NMEA 0183	12	2	2
661056.470028	4050348.342917	30,600		-109.199713	36.585030	11/6/2012	102204	1859.75	NMEA 0183	12	2	2
661007.634023	4050307.613968	30,600		-109.200267	36.584671	11/6/2012	102451	1860.64	NMEA 0183	12	2	2
660940.194635	4050257.714120	30,600		-109.201031	36.584233	11/6/2012	102851	1862.61	NMEA 0183	12	2	2
660917.589995	4050238.629662	30,600		-109.201288	36.584065	11/6/2012	103017	1863.65	NMEA 0183	12	2	2
660907.937486	4050230.082939	30,600		-109.201397	36.583989	11/6/2012	103049	1863.81	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661110.247768	4050419.943361	30,600		-109.199097	36.585666	11/8/2012	104813	1857.37	NMEA 0183	12	2	2
661117.453491	4050422.680894	30,600		-109.199016	36.585689	11/8/2012	104839	1857.35	NMEA 0183	12	2	2
661134.259599	4050417.940714	30,600		-109.198829	36.585644	11/8/2012	105113	1856.84	NMEA 0183	12	2	2
661137.960480	4050421.123083	30,600		-109.198787	36.585672	11/8/2012	105201	1856.81	NMEA 0183	12	2	2
661138.891355	4050434.648707	30,600		-109.198774	36.585793	11/8/2012	105400	1856.61	NMEA 0183	12	2	2
661138.301320	4050435.727107	30,600		-109.198780	36.585803	11/8/2012	105401	1856.67	NMEA 0183	12	2	2
661150.770045	4050429.133674	30,600		-109.198642	36.585742	11/8/2012	105505	1856.42	NMEA 0183	12	2	2
661154.250134	4050437.648225	30,600		-109.198602	36.585818	11/8/2012	105626	1856.10	NMEA 0183	12	2	2
661151.531354	4050445.894903	30,600		-109.198630	36.585893	11/8/2012	105726	1856.05	NMEA 0183	12	2	2
661157.316304	4050438.800710	30,600		-109.198567	36.585828	11/8/2012	105733	1856.04	NMEA 0183	12	2	2
661153.835634	4050445.754980	30,600		-109.198605	36.585891	11/8/2012	105751	1856.34	NMEA 0183	12	2	2
661149.840322	4050453.585598	30,600		-109.198648	36.585962	11/8/2012	105758	1856.41	NMEA 0183	12	2	2
661149.997856	4050456.322371	30,600		-109.198645	36.585987	11/8/2012	105835	1856.37	NMEA 0183	12	2	2
661155.211401	4050452.097410	30,600		-109.198588	36.585948	11/8/2012	105845	1856.17	NMEA 0183	12	2	2
661165.659441	4050442.212542	30,600		-109.198473	36.585857	11/8/2012	110057	1856.33	NMEA 0183	12	2	2
661083.535025	4050375.585173	30,600		-109.199405	36.585271	11/6/2012	105504	1858.05	NMEA 0183	12	2	2
660935.156160	4050260.316626	30,600		-109.201087	36.584257	11/3/2012	134351	1862.69	NMEA 0183	12	2	2
660928.646501	4050270.031330	30,600		-109.201157	36.584346	11/3/2012	134426	1862.26	NMEA 0183	12	2	2
660921.023110	4050278.600593	30,600		-109.201241	36.584424	11/3/2012	134613	1863.17	NMEA 0183	12	2	2
660906.156735	4050282.748611	30,600		-109.201406	36.584464	11/3/2012	135219	1862.60	NMEA 0183	12	2	2
660905.167063	4050257.837205	30,600		-109.201422	36.584240	11/3/2012	135647	1863.33	NMEA 0183	12	2	2
660874.864278	4050302.733205	30,600		-109.201752	36.584649	11/3/2012	135731	1862.99	NMEA 0183	12	2	2
660923.844341	4050277.382674	30,600		-109.201210	36.584413	11/3/2012	134434	1862.43	NMEA 0183	12	2	2
660908.748768	4050299.196314	30,600		-109.201374	36.584612	11/3/2012	134458	1862.09	NMEA 0183	12	2	2
660900.144238	4050311.492815	30,600		-109.201467	36.584724	11/3/2012	134511	1862.25	NMEA 0183	12	2	2
660890.826283	4050322.695765	30,600		-109.201569	36.584827	11/3/2012	134526	1862.64	NMEA 0183	12	2	2
660898.020896	4050311.129384	30,600		-109.201491	36.584721	11/3/2012	134539	1862.79	NMEA 0183	12	2	2
660904.445921	4050296.369020	30,600		-109.201422	36.584587	11/3/2012	134720	1862.43	NMEA 0183	12	2	2
660896.502413	4050304.669657	30,600		-109.201509	36.584663	11/3/2012	134812	1862.56	NMEA 0183	12	2	2
660918.268883	4050274.485312	30,600		-109.201273	36.584388	11/3/2012	134843	1863.14	NMEA 0183	12	2	2
660917.837426	4050272.113355	30,600		-109.201278	36.584366	11/3/2012	134922	1863.16	NMEA 0183	12	2	2
660890.386473	4050306.980121	30,600		-109.201577	36.584685	11/3/2012	134957	1862.80	NMEA 0183	12	2	2
660887.477797	4050312.393318	30,600		-109.201609	36.584734	11/3/2012	135002	1862.87	NMEA 0183	12	2	2
660890.590571	4050302.291323	30,600		-109.201576	36.584643	11/3/2012	135252	1862.96	NMEA 0183	12	2	2
660884.152443	4050296.549690	30,600		-109.201649	36.584592	11/3/2012	135527	1862.88	NMEA 0183	12	2	2
660887.078301	4050292.291009	30,600		-109.201617	36.584553	11/3/2012	135531	1862.89	NMEA 0183	12	2	2
660906.941942	4050262.871935	30,600		-109.201401	36.584285	11/3/2012	135559	1863.43	NMEA 0183	12	2	2
660870.433047	4050296.004418	30,600		-109.201802	36.584590	11/3/2012	140057	1862.81	NMEA 0183	12	2	2
660899.024104	4050252.343393	30,600		-109.201492	36.584191	11/3/2012	140211	1863.23	NMEA 0183	12	2	2
660901.963865	4050248.379074	30,600		-109.201460	36.584155	11/3/2012	140215	1863.30	NMEA 0183	12	2	2
660862.687745	4050296.902709	30,600		-109.201889	36.584599	11/3/2012	140355	1862.81	NMEA 0183	12	2	2
660863.692534	4050294.862826	30,600		-109.201878	36.584580	11/3/2012	140357	1862.84	NMEA 0183	12	2	2
660870.349901	4050283.547175	30,600		-109.201806	36.584477	11/3/2012	140426	1862.98	NMEA 0183	12	2	2
660870.412980	4050283.524309	30,600		-109.201805	36.584477	11/3/2012	140450	1863.20	NMEA 0183	12	2	2
660870.410690	4050283.487273	30,600		-109.201805	36.584477	11/3/2012	140454	1863.20	NMEA 0183	12	2	2
660883.934532	4050261.242780	30,600		-109.201659	36.584274	11/3/2012	140605	1862.99	NMEA 0183	12	2	2
660881.874179	4050256.556000	30,600		-109.201683	36.584232	11/3/2012	140834	1862.90	NMEA 0183	12	2	2
660869.299331	4050277.590072	30,600		-109.201819	36.584424	11/3/2012	140854	1863.00	NMEA 0183	12	2	2
660891.066308	4050229.600731	30,600		-109.201586	36.583988	11/3/2012	141049	1863.47	NMEA 0183	12	2	2
660879.016331	4050244.903233	30,600		-109.201717	36.584128	11/3/2012	141105	1863.23	NMEA 0183	12	2	2
660885.177113	4050217.081079	30,600		-109.201654	36.583876	11/3/2012	141345	1863.91	NMEA 0183	12	2	2
660873.067175	4050225.303775	30,600		-109.201788	36.583952	11/3/2012	141402	1863.62	NMEA 0183	12	2	2
660859.102146	4050252.550790	30,700		-109.201938	36.584200	11/3/2012	141309	1863.61	NMEA 0183	12	2	2
660867.906909	4050239.597663	30,700		-109.201842	36.584082	11/3/2012	141322	1863.56	NMEA 0183	12	2	2
660864.130915	4050233.404599	30,700		-109.201886	36.584027	11/3/2012	141436	1863.50	NMEA 0183	12	2	2
660866.384492	4050230.555729	30,700		-109.201861	36.584000	11/3/2012	141439	1863.58	NMEA 0183	12	2	2
660869.047031	4050209.517445	30,700		-109.201836	36.583810	11/3/2012	141644	1864.02	NMEA 0183	12	2	2
660858.577414	4050210.275986	30,700		-109.201953	36.583819	11/3/2012	141709	1864.57	NMEA 0183	12	2	2
660866.330434	4050194.140240	30,700		-109.201870	36.583672	11/3/2012	141740	1864.60	NMEA 0183	12	2	2
660870.848984	4050200.989033	30,700		-109.201818	36.583733	11/3/2012	142316	1864.20	NMEA 0183	12	2	2
660994.397390	4050403.961566	30,700		-109.200395	36.585541	11/5/2012	121601	1858.88	NMEA 0183	12	2	2
661021.793962	4050411.031749	30,700		-109.200087	36.585600	11/5/2012	121658	1857.94	NMEA 0183	12	2	2
661026.216313	4050409.385136	30,700		-109.200038	36.585585	11/5/2012	121827	1857.78	NMEA 0183	12	2	2
660910.007990	4050338.077792	30,700		-109.201352	36.584962	11/5/2012	123214	1861.59	NMEA 0183	12	2	2
660925.381076	4050352.278771	30,700		-109.201177	36.585087	11/5/2012	123309	1861.00	NMEA 0183	12	2	2
660950.339332	4050347.376385	30,700		-109.200899	36.585039	11/5/2012	123748	1861.09	NMEA 0183	12	2	2
660946.833811	4050357.737362	30,700		-109.200936	36.585133	11/5/2012	123822	1860.30	NMEA 0183	12	2	2
660953.408754	4050362.221981	30,700		-109.200862	36.585172	11/5/2012	124010	1861.04	NMEA 0183	12	2	2
661072.065853	4050369.989583	30,700		-109.199534	36.585222	11/6/2012	102031	1859.16	NMEA 0183	12	2	2
661060.209871	4050352.952078	30,700		-109.199670	36.585071	11/6/2012	102145	1859.34	NMEA 0183	12	2	2
661057.988407	4050351.058938	30,700		-109.199695	36.585054	11/6/2012	102151	1859.47	NMEA 0183	12	2	2
660992.753376	4050294.441232	30,700		-109.200436	36.584555	11/6/2012	102539	1861.32	NMEA 0183	12	2	2
660991.141978	4050293.584253	30,700		-109.200454	36.584547	11/6/2012	102541	1861.33	NMEA 0183	12	2	2
660932.158160	4050250.018872	30,700		-109.201122	36.584165	11/6/2012	102924	1862.93	NMEA 0183	12	2	2
660900.338902	4050224.652519	30,700		-109.201483	36.583942	11/6/2012	103109	1863.76	NMEA 0183	12	2	2
661106.118434	4050435.564166	30,700		-109.199140	36.585807	11/8/2012	104855	1857.53	NMEA 0183	12	2	2
661132.014495	4050416.992293	30,700		-109.198855	36.585636	11/8/2012	104939	1857.23	NMEA 0183	12	2	2
661138.993042	4050416.967721	30,700		-109.198777	36.585634	11/8/2012	105121	1856.99	NMEA 0183	12	2	2
661136.554623	4050432.620208	30,700		-109.198801	36.585776	11/8/2012	105310	1856.57	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661143.600171	4050434.034093	30,700		-109.198721	36.585787	11/8/2012	105456	1856.33	NMEA 0183	12	2	2
661145.178415	4050431.962445	30,700		-109.198704	36.585768	11/8/2012	105458	1856.33	NMEA 0183	12	2	2
661124.162746	4050465.437941	30,700		-109.198932	36.586073	11/8/2012	105541	1856.49	NMEA 0183	12	2	2
661141.335675	4050451.469226	30,700		-109.198743	36.585945	11/8/2012	105601	1856.11	NMEA 0183	12	2	2
661153.145108	4050443.838720	30,700		-109.198613	36.585874	11/8/2012	105728	1856.11	NMEA 0183	12	2	2
661153.163689	4050446.826294	30,700		-109.198612	36.585901	11/8/2012	105752	1856.21	NMEA 0183	12	2	2
661148.252337	4050455.699605	30,700		-109.198665	36.585982	11/8/2012	105800	1856.26	NMEA 0183	12	2	2
661141.595986	4050469.652712	30,700		-109.198736	36.586108	11/8/2012	105822	1856.29	NMEA 0183	12	2	2
661146.867722	4050459.776230	30,700		-109.198680	36.586019	11/8/2012	105831	1856.36	NMEA 0183	12	2	2
661142.775493	4050470.470181	30,700		-109.198723	36.586116	11/8/2012	105903	1856.67	NMEA 0183	12	2	2
661121.222361	4050419.290786	30,700		-109.198975	36.585658	11/8/2012	104733	1857.28	NMEA 0183	12	2	2
660893.443375	4050317.957791	30,700		-109.201541	36.584783	11/3/2012	134532	1862.65	NMEA 0183	12	2	2
660925.877761	4050271.951255	30,700		-109.201188	36.584363	11/3/2012	134620	1862.94	NMEA 0183	12	2	2
660928.585852	4050268.250811	30,700		-109.201159	36.584330	11/3/2012	134624	1863.19	NMEA 0183	12	2	2
660913.303231	4050284.674697	30,700		-109.201326	36.584480	11/3/2012	134708	1862.62	NMEA 0183	12	2	2
660898.424526	4050304.387486	30,700		-109.201488	36.584660	11/3/2012	134728	1862.49	NMEA 0183	12	2	2
660893.575332	4050312.979094	30,700		-109.201540	36.584739	11/3/2012	134736	1862.44	NMEA 0183	12	2	2
660894.624184	4050290.810060	30,700		-109.201533	36.584539	11/3/2012	135048	1862.85	NMEA 0183	12	2	2
660911.872599	4050258.697024	30,700		-109.201347	36.584246	11/3/2012	135117	1863.04	NMEA 0183	12	2	2
660896.322606	4050269.561371	30,700		-109.201519	36.584347	11/3/2012	135659	1863.15	NMEA 0183	12	2	2
660875.524378	4050301.815172	30,700		-109.201744	36.584641	11/3/2012	135730	1863.04	NMEA 0183	12	2	2
660873.142562	4050300.357454	30,700		-109.201771	36.584628	11/3/2012	135851	1862.71	NMEA 0183	12	2	2
660883.689230	4050283.837477	30,700		-109.201657	36.584478	11/3/2012	135907	1862.79	NMEA 0183	12	2	2
660898.283823	4050253.320963	30,700		-109.201500	36.584200	11/3/2012	140210	1863.15	NMEA 0183	12	2	2
660899.757413	4050251.339798	30,700		-109.201484	36.584182	11/3/2012	140212	1863.21	NMEA 0183	12	2	2
660870.932350	4050282.474166	30,700		-109.201800	36.584468	11/3/2012	140458	1863.08	NMEA 0183	12	2	2
660887.092932	4050248.145170	30,700		-109.201626	36.584155	11/3/2012	140826	1862.92	NMEA 0183	12	2	2
660872.948899	4050252.671149	30,700		-109.201783	36.584199	11/3/2012	141113	1863.14	NMEA 0183	12	2	2
660833.858881	4050168.057227	30,700		-109.202238	36.583443	11/3/2012	141956	1865.35	NMEA 0183	12	2	2
660839.771943	4050177.712143	30,700		-109.202170	36.583529	11/3/2012	142137	1865.34	NMEA 0183	12	2	2
660884.551880	4050211.990182	30,700		-109.201662	36.583830	11/3/2012	142300	1863.99	NMEA 0183	12	2	2
661041.437627	4050401.331922	30,700		-109.199870	36.585510	11/5/2012	115016	1858.93	NMEA 0183	12	2	2
661038.026124	4050413.039341	30,700		-109.199905	36.585616	11/5/2012	115127	1858.73	NMEA 0183	12	2	2
661040.475939	4050415.323336	30,700		-109.199878	36.585636	11/5/2012	115130	1858.64	NMEA 0183	12	2	2
661041.148120	4050416.070248	30,700		-109.199870	36.585643	11/5/2012	115131	1858.66	NMEA 0183	12	2	2
661036.790869	4050415.117432	30,700		-109.199919	36.585635	11/5/2012	115139	1858.71	NMEA 0183	12	2	2
661033.129566	4050412.448209	30,700		-109.199960	36.585611	11/5/2012	115143	1858.70	NMEA 0183	12	2	2
660985.443867	4050389.088999	30,700		-109.200498	36.585409	11/5/2012	121620	1858.80	NMEA 0183	12	2	2
661004.268256	4050388.089406	30,700		-109.200288	36.585397	11/5/2012	121931	1858.59	NMEA 0183	12	2	2
660869.126751	4050307.381351	30,800		-109.201815	36.584692	11/3/2012	135843	1862.73	NMEA 0183	12	2	2
660861.780329	4050301.950132	30,800		-109.201898	36.584645	11/3/2012	140342	1862.98	NMEA 0183	12	2	2
660867.013336	4050220.705048	30,800		-109.201856	36.583912	11/3/2012	141550	1864.16	NMEA 0183	12	2	2
660867.618222	4050219.549223	30,800		-109.201850	36.583901	11/3/2012	141551	1864.15	NMEA 0183	12	2	2
660871.150064	4050202.516946	30,800		-109.201814	36.583747	11/3/2012	141650	1863.75	NMEA 0183	12	2	2
660852.480173	4050215.411277	30,800		-109.202020	36.583866	11/3/2012	141717	1864.54	NMEA 0183	12	2	2
660858.009260	4050188.021211	30,800		-109.201964	36.583619	11/3/2012	141836	1864.59	NMEA 0183	12	2	2
660853.191270	4050194.545494	30,800		-109.202016	36.583678	11/3/2012	141845	1864.80	NMEA 0183	12	2	2
660852.537579	4050195.439603	30,800		-109.202023	36.583686	11/3/2012	141846	1864.95	NMEA 0183	12	2	2
660869.304240	4050198.481570	30,800		-109.201835	36.583711	11/3/2012	142323	1864.30	NMEA 0183	12	2	2
660989.132984	4050404.214420	30,800		-109.200454	36.585545	11/5/2012	121528	1859.14	NMEA 0183	12	2	2
661014.094402	4050402.164480	30,800		-109.200175	36.585522	11/5/2012	121815	1858.01	NMEA 0183	12	2	2
661019.381333	4050405.328410	30,800		-109.200115	36.585549	11/5/2012	121820	1857.92	NMEA 0183	12	2	2
660901.791404	4050313.467648	30,800		-109.201448	36.584742	11/5/2012	122551	1861.64	NMEA 0183	12	2	2
660945.713248	4050348.510564	30,800		-109.200950	36.585050	11/5/2012	122848	1860.62	NMEA 0183	12	2	2
660943.843237	4050372.225352	30,800		-109.200966	36.585264	11/5/2012	123400	1860.58	NMEA 0183	12	2	2
660942.519029	4050357.541907	30,800		-109.200984	36.585132	11/5/2012	123855	1861.38	NMEA 0183	12	2	2
660959.624236	4050355.629585	30,800		-109.200793	36.585112	11/5/2012	124036	1860.95	NMEA 0183	12	2	2
661072.524805	4050369.219468	30,800		-109.199529	36.585215	11/6/2012	120232	1859.19	NMEA 0183	12	2	2
661073.927087	4050361.810051	30,800		-109.199515	36.585148	11/6/2012	120244	1859.19	NMEA 0183	12	2	2
661073.029114	4050362.923378	30,800		-109.199525	36.585158	11/6/2012	120246	1859.11	NMEA 0183	12	2	2
661057.247557	4050351.907007	30,800		-109.199704	36.585062	11/6/2012	1202152	1859.54	NMEA 0183	12	2	2
661052.687820	4050347.667220	30,800		-109.199755	36.585024	11/6/2012	102210	1859.82	NMEA 0183	12	2	2
661071.558814	4050374.918713	30,800		-109.199539	36.585267	11/6/2012	105426	1858.60	NMEA 0183	12	2	2
661118.539787	4050420.592623	30,800		-109.199004	36.585670	11/8/2012	104837	1857.32	NMEA 0183	12	2	2
661129.218262	4050419.742142	30,800		-109.198885	36.585661	11/8/2012	104942	1857.10	NMEA 0183	12	2	2
661130.600512	4050441.259421	30,800		-109.198865	36.585854	11/8/2012	105302	1856.62	NMEA 0183	12	2	2
661141.369079	4050426.449298	30,800		-109.198748	36.585719	11/8/2012	105316	1856.58	NMEA 0183	12	2	2
661144.113871	4050425.488975	30,800		-109.198718	36.585710	11/8/2012	105351	1856.84	NMEA 0183	12	2	2
661147.661853	4050429.108705	30,800		-109.198677	36.585742	11/8/2012	105501	1856.36	NMEA 0183	12	2	2
661152.763578	4050439.762283	30,800		-109.198618	36.585837	11/8/2012	105628	1856.13	NMEA 0183	12	2	2
661158.911510	4050436.858860	30,800		-109.198550	36.585810	11/8/2012	105735	1856.09	NMEA 0183	12	2	2
661162.416367	4050435.219162	30,800		-109.198511	36.585795	11/8/2012	105739	1856.18	NMEA 0183	12	2	2
661145.066068	4050459.920028	30,800		-109.198700	36.586020	11/8/2012	105804	1856.23	NMEA 0183	12	2	2
661144.479338	4050465.358172	30,800		-109.198705	36.586069	11/8/2012	105826	1856.36	NMEA 0183	12	2	2
661153.945852	4050450.777064	30,800		-109.198602	36.585936	11/8/2012	105841	1856.18	NMEA 0183	12	2	2
661153.064985	4050453.126287	30,800		-109.198612	36.585958	11/8/2012	105847	1857.34	NMEA 0183	12	2	2
661145.297004	4050471.871408	30,800		-109.198695	36.586128	11/8/2012	105909	1856.58	NMEA 0183	12	2	2
661159.132604	4050463.657400	30,800		-109.198492	36.586051	11/8/2012	105947	1856.34	NMEA 0183	12	2	2
661163.471143	4050457.808673	30,800		-109.198494	36.585998	11/8/2012	105953	1856.37	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661159.657834	4050443.119204	30,800		-109.198540	36.585866	11/8/2012	110127	1854.06	NMEA 0183	12	2	2
661156.868683	4050439.125261	30,800		-109.198572	36.585831	11/8/2012	110131	1854.58	NMEA 0183	12	2	2
661070.377352	4050388.695146	30,800		-109.199549	36.585391	11/6/2012	105340	1858.54	NMEA 0183	12	2	2
661122.803966	4050406.692698	30,800		-109.198960	36.585544	11/6/2012	105717	1857.33	NMEA 0183	12	2	2
661161.388729	4050457.174040	30,800		-109.198518	36.585993	11/8/2012	110023	1856.25	NMEA 0183	12	2	2
660933.175727	4050263.076259	30,800		-109.201108	36.584282	11/3/2012	134418	1862.49	NMEA 0183	12	2	2
660907.434365	4050296.976153	30,800		-109.201389	36.584592	11/3/2012	134553	1862.58	NMEA 0183	12	2	2
660909.501303	4050294.136748	30,800		-109.201366	36.584566	11/3/2012	134556	1862.65	NMEA 0183	12	2	2
660915.389099	4050286.163881	30,800		-109.201302	36.584493	11/3/2012	134605	1862.88	NMEA 0183	12	2	2
660918.150663	4050278.091809	30,800		-109.201273	36.584420	11/3/2012	134701	1862.89	NMEA 0183	12	2	2
660919.780903	4050272.602901	30,800		-109.201256	36.584370	11/3/2012	134845	1863.28	NMEA 0183	12	2	2
660915.350845	4050275.216806	30,800		-109.201305	36.584395	11/3/2012	134925	1863.10	NMEA 0183	12	2	2
660898.576102	4050295.650623	30,800		-109.201488	36.584582	11/3/2012	134946	1862.60	NMEA 0183	12	2	2
660887.557366	4050304.394977	30,800		-109.201609	36.584662	11/3/2012	135036	1862.73	NMEA 0183	12	2	2
660905.032420	4050280.095485	30,800		-109.201419	36.584440	11/3/2012	135313	1863.22	NMEA 0183	12	2	2
660880.841465	4050307.757781	30,800		-109.201684	36.584694	11/3/2012	135449	1862.93	NMEA 0183	12	2	2
660899.921255	4050273.352108	30,800		-109.201478	36.584380	11/3/2012	135549	1862.88	NMEA 0183	12	2	2
660894.189163	4050272.606698	30,800		-109.201542	36.584375	11/3/2012	135702	1863.04	NMEA 0183	12	2	2
660875.096393	4050297.343906	30,800		-109.201750	36.584601	11/3/2012	135854	1862.75	NMEA 0183	12	2	2
660904.337104	4050253.643263	30,800		-109.201433	36.584202	11/3/2012	135937	1863.25	NMEA 0183	12	2	2
660890.264107	4050264.416885	30,800		-109.201588	36.584302	11/3/2012	140159	1862.94	NMEA 0183	12	2	2
660901.231593	4050249.327199	30,800		-109.201468	36.584164	11/3/2012	140214	1863.28	NMEA 0183	12	2	2
660870.324101	4050283.570738	30,800		-109.201806	36.584477	11/3/2012	140420	1862.95	NMEA 0183	12	2	2
660875.702818	4050273.943961	30,800		-109.201748	36.584390	11/3/2012	140509	1863.00	NMEA 0183	12	2	2
660890.126342	4050252.169481	30,800		-109.201592	36.584191	11/3/2012	140614	1863.10	NMEA 0183	12	2	2
660888.574323	4050246.145651	30,800		-109.201610	36.584137	11/3/2012	140824	1863.08	NMEA 0183	12	2	2
660858.770554	4050293.553649	30,800		-109.201933	36.584569	11/3/2012	140910	1862.95	NMEA 0183	12	2	2
660883.740542	4050246.499117	30,800		-109.201664	36.584141	11/3/2012	141004	1862.77	NMEA 0183	12	2	2
660843.739403	4050193.288456	30,800		-109.202122	36.583668	11/3/2012	141923	1865.08	NMEA 0183	12	2	2
660838.774987	4050173.272780	30,800		-109.202182	36.583489	11/3/2012	142052	1865.26	NMEA 0183	12	2	2
660830.168004	4050171.106729	30,800		-109.202278	36.583471	11/3/2012	142147	1865.61	NMEA 0183	12	2	2
661049.015708	4050408.162299	30,800		-109.199784	36.585570	11/5/2012	115025	1858.79	NMEA 0183	12	2	2
661049.572641	4050411.478100	30,800		-109.199777	36.585600	11/5/2012	115030	1858.70	NMEA 0183	12	2	2
661038.730986	4050403.759784	30,800		-109.199900	36.585532	11/5/2012	115042	1858.88	NMEA 0183	12	2	2
660871.638036	4050305.985597	30,900		-109.201787	36.584679	11/3/2012	135750	1863.00	NMEA 0183	12	2	2
660876.091995	4050242.861965	30,900		-109.201750	36.584110	11/3/2012	141159	1863.29	NMEA 0183	12	2	2
660867.279984	4050245.040613	30,900		-109.201848	36.584131	11/3/2012	141252	1863.54	NMEA 0183	12	2	2
660865.210480	4050232.162541	30,900		-109.201876	36.583938	11/3/2012	141547	1864.15	NMEA 0183	12	2	2
660865.607325	4050216.204386	30,900		-109.201873	36.583871	11/3/2012	141638	1864.20	NMEA 0183	12	2	2
660871.439663	4050201.628974	30,900		-109.201811	36.583739	11/3/2012	141651	1863.90	NMEA 0183	12	2	2
660987.321006	4050384.675686	30,900		-109.200478	36.585369	11/5/2012	121749	1858.95	NMEA 0183	12	2	2
660905.817101	4050317.394008	30,900		-109.201403	36.584776	11/5/2012	122629	1861.78	NMEA 0183	12	2	2
660895.591005	4050328.182276	30,900		-109.201515	36.584875	11/5/2012	123229	1861.83	NMEA 0183	12	2	2
660949.413849	4050347.728993	30,900		-109.200909	36.585042	11/5/2012	123749	1860.91	NMEA 0183	12	2	2
660940.107529	4050363.328780	30,900		-109.201010	36.585184	11/5/2012	123901	1861.04	NMEA 0183	12	2	2
661066.477212	4050361.431868	30,900		-109.199598	36.585146	11/6/2012	102117	1859.07	NMEA 0183	12	2	2
661038.554468	4050336.415409	30,900		-109.199916	36.584925	11/6/2012	102304	1859.68	NMEA 0183	12	2	2
661003.177231	4050303.291053	30,900		-109.200318	36.584633	11/6/2012	102506	1860.78	NMEA 0183	12	2	2
660981.218156	4050284.477457	30,900		-109.200567	36.584467	11/6/2012	102613	1861.67	NMEA 0183	12	2	2
660967.111823	4050274.082679	30,900		-109.200727	36.584376	11/6/2012	102716	1862.01	NMEA 0183	12	2	2
660952.566647	4050262.107489	30,900		-109.200892	36.584270	11/6/2012	102814	1862.53	NMEA 0183	12	2	2
660929.461012	4050249.707582	30,900		-109.201153	36.584162	11/6/2012	102928	1862.88	NMEA 0183	12	2	2
660918.843204	4050235.591911	30,900		-109.201274	36.584037	11/6/2012	103021	1863.58	NMEA 0183	12	2	2
660906.475989	4050229.345312	30,900		-109.201414	36.583983	11/6/2012	103051	1863.87	NMEA 0183	12	2	2
660906.683584	4050226.940925	30,900		-109.201412	36.583961	11/6/2012	103054	1863.90	NMEA 0183	12	2	2
660901.725828	4050220.766419	30,900		-109.201469	36.583906	11/6/2012	103114	1863.72	NMEA 0183	12	2	2
661120.078552	4050404.708710	30,900		-109.198990	36.585527	11/6/2012	105708	1857.48	NMEA 0183	12	2	2
661128.379216	4050430.127138	30,900		-109.198892	36.585755	11/8/2012	105135	1856.94	NMEA 0183	12	2	2
661135.406125	4050423.860817	30,900		-109.198815	36.585697	11/8/2012	105158	1856.79	NMEA 0183	12	2	2
661120.134416	4050456.805846	30,900		-109.198979	36.585996	11/8/2012	105247	1856.74	NMEA 0183	12	2	2
661131.273078	4050440.154823	30,900		-109.198858	36.585844	11/8/2012	105303	1856.56	NMEA 0183	12	2	2
661148.489262	4050428.258567	30,900		-109.198668	36.585734	11/8/2012	105502	1856.43	NMEA 0183	12	2	2
661134.117850	4050452.005370	30,900		-109.198824	36.585951	11/8/2012	105527	1856.42	NMEA 0183	12	2	2
661148.392515	4050439.149490	30,900		-109.198667	36.585832	11/8/2012	105613	1856.24	NMEA 0183	12	2	2
661146.080121	4050453.250610	30,900		-109.198690	36.585960	11/8/2012	105719	1856.08	NMEA 0183	12	2	2
661161.829745	4050438.263829	30,900		-109.198517	36.585822	11/8/2012	105742	1856.10	NMEA 0183	12	2	2
661152.723428	4050447.951892	30,900		-109.198617	36.585911	11/8/2012	105753	1856.22	NMEA 0183	12	2	2
661140.801977	4050470.551569	30,900		-109.198745	36.586117	11/8/2012	105821	1856.36	NMEA 0183	12	2	2
661152.390496	4050460.221945	30,900		-109.198618	36.586022	11/8/2012	105920	1856.48	NMEA 0183	12	2	2
661156.497905	4050466.384373	30,900		-109.198571	36.586076	11/8/2012	105944	1856.30	NMEA 0183	12	2	2
661163.390659	4050453.906199	30,900		-109.198496	36.585963	11/8/2012	110020	1856.17	NMEA 0183	12	2	2
661157.433927	4050454.010945	30,900		-109.198563	36.585965	11/8/2012	110110	1856.08	NMEA 0183	12	2	2
661091.717003	4050385.532507	30,900		-109.199311	36.585359	11/6/2012	105554	1857.81	NMEA 0183	12	2	2
661130.121387	4050422.970104	30,900		-109.198874	36.585690	11/8/2012	105108	1856.77	NMEA 0183	12	2	2
661127.883961	4050445.568190	30,900		-109.198895	36.585894	11/8/2012	105258	1856.62	NMEA 0183	12	2	2
660918.156549	4050286.065855	30,900		-109.201271	36.584492	11/3/2012	134443	1862.37	NMEA 0183	12	2	2
660909.424098	4050298.341457	30,900		-109.201366	36.584604	11/3/2012	134457	1862.13	NMEA 0183	12	2	2
660898.681307	4050310.115176	30,900		-109.201484	36.584712	11/3/2012	134540	1862.65	NMEA 0183	12	2	2
660907.449587	4050292.496533	30,900		-109.201390	36.584552	11/3/2012	134716	1862.42	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660901.609217	4050296.341825	30,900		-109.201454	36.584587	11/3/2012	134820	1862.78	NMEA 0183	12	2	2
660911.506175	4050279.868909	30,900		-109.201347	36.584437	11/3/2012	134930	1863.05	NMEA 0183	12	2	2
660895.519778	4050299.866166	30,900		-109.201521	36.584620	11/3/2012	134950	1862.81	NMEA 0183	12	2	2
660887.094874	4050305.594158	30,900		-109.201614	36.584673	11/3/2012	135035	1862.67	NMEA 0183	12	2	2
660920.007045	4050264.426035	30,900		-109.201255	36.584297	11/3/2012	135200	1862.63	NMEA 0183	12	2	2
660902.504176	4050284.389348	30,900		-109.201447	36.584479	11/3/2012	135309	1863.08	NMEA 0183	12	2	2
660915.453800	4050258.797345	30,900		-109.201307	36.584247	11/3/2012	135400	1862.94	NMEA 0183	12	2	2
660883.314072	4050303.566453	30,900		-109.201657	36.584655	11/3/2012	135445	1862.96	NMEA 0183	12	2	2
660873.374973	4050303.482199	30,900		-109.201768	36.584656	11/3/2012	135837	1862.89	NMEA 0183	12	2	2
660880.750724	4050250.747355	30,900		-109.201697	36.584180	11/3/2012	141000	1862.79	NMEA 0183	12	2	2
660892.229218	4050234.416842	30,900		-109.201572	36.584031	11/3/2012	141016	1863.20	NMEA 0183	12	2	2
660836.874720	4050171.907318	30,900		-109.202203	36.583477	11/3/2012	142054	1865.34	NMEA 0183	12	2	2
660829.778287	4050176.868561	30,900		-109.202282	36.583523	11/3/2012	142114	1865.54	NMEA 0183	12	2	2
660837.919822	4050176.563993	30,900		-109.202191	36.583519	11/3/2012	142139	1865.42	NMEA 0183	12	2	2
661033.591785	4050409.273579	30,900		-109.199956	36.585583	11/5/2012	115122	1858.86	NMEA 0183	12	2	2
661041.817354	4050416.815255	30,900		-109.199862	36.585649	11/5/2012	115132	1858.68	NMEA 0183	12	2	2
661038.031131	4050422.726177	30,900		-109.199903	36.585703	11/5/2012	115202	1858.57	NMEA 0183	12	2	2
661030.514661	4050419.535270	30,900		-109.199988	36.585676	11/5/2012	115210	1858.70	NMEA 0183	12	2	2
661001.926295	4050405.693279	30,900		-109.200310	36.585556	11/5/2012	115511	1858.92	NMEA 0183	12	2	2
660900.649704	4050319.156218	30,900		-109.201460	36.584793	11/5/2012	122612	1861.80	NMEA 0183	12	2	2
660932.566342	4050329.817672	30,900		-109.201101	36.584884	11/5/2012	122703	1861.27	NMEA 0183	12	2	2
660940.200913	4050339.295884	30,900		-109.201014	36.584968	11/5/2012	122732	1861.14	NMEA 0183	12	2	2
660930.946458	4050338.817450	30,900		-109.201117	36.584965	11/5/2012	122903	1861.36	NMEA 0183	12	2	2
660923.389343	4050337.632777	30,900		-109.201202	36.584956	11/5/2012	122955	1860.94	NMEA 0183	12	2	2
660931.355103	4050343.523267	30,900		-109.201112	36.585007	11/5/2012	123003	1860.77	NMEA 0183	12	2	2
660914.923536	4050335.186274	30,900		-109.201297	36.584935	11/5/2012	123047	1861.17	NMEA 0183	12	2	2
660905.804921	4050328.724871	30,900		-109.201400	36.584878	11/5/2012	123056	1861.28	NMEA 0183	12	2	2
660880.046505	4050321.143777	31,000		-109.201690	36.584814	11/3/2012	135016	1862.61	NMEA 0183	12	2	2
660876.370792	4050309.514546	31,000		-109.201733	36.584710	11/3/2012	135515	1862.85	NMEA 0183	12	2	2
660868.457743	4050311.565737	31,000		-109.201821	36.584730	11/3/2012	135743	1862.98	NMEA 0183	12	2	2
660861.665434	4050252.841057	31,000		-109.201909	36.584202	11/3/2012	141300	1863.56	NMEA 0183	12	2	2
660858.531546	4050253.389113	31,000		-109.201944	36.584208	11/3/2012	141308	1863.57	NMEA 0183	12	2	2
660878.695584	4050218.996282	31,000		-109.201726	36.583894	11/3/2012	141355	1863.64	NMEA 0183	12	2	2
660862.989070	4050230.810342	31,000		-109.201899	36.584003	11/3/2012	141521	1863.96	NMEA 0183	12	2	2
660858.105753	4050237.877203	31,000		-109.201952	36.584068	11/3/2012	141528	1864.10	NMEA 0183	12	2	2
660853.738667	4050193.592057	31,000		-109.202010	36.583670	11/3/2012	141844	1864.73	NMEA 0183	12	2	2
661014.605894	4050416.588566	31,000		-109.200166	36.585652	11/5/2012	121420	1858.76	NMEA 0183	12	2	2
661006.147554	4050401.721550	31,000		-109.200264	36.585519	11/5/2012	121642	1858.19	NMEA 0183	12	2	2
661023.543185	4050407.873825	31,000		-109.200068	36.585572	11/5/2012	121824	1857.83	NMEA 0183	12	2	2
661026.948362	4050406.298794	31,000		-109.200031	36.585557	11/5/2012	121833	1857.87	NMEA 0183	12	2	2
660996.414782	4050382.659665	31,000		-109.200377	36.585349	11/5/2012	121923	1858.95	NMEA 0183	12	2	2
661019.539572	4050398.552320	31,000		-109.200115	36.585488	11/5/2012	121946	1858.19	NMEA 0183	12	2	2
660916.998190	4050325.638255	31,000		-109.201276	36.584849	11/5/2012	122817	1861.39	NMEA 0183	12	2	2
660906.736963	4050329.376752	31,000		-109.201390	36.584884	11/5/2012	123055	1861.24	NMEA 0183	12	2	2
660899.531730	4050333.699611	31,000		-109.201469	36.584924	11/5/2012	123243	1861.72	NMEA 0183	12	2	2
660960.098038	4050361.794166	31,000		-109.200787	36.585167	11/5/2012	124047	1861.05	NMEA 0183	12	2	2
661013.480873	4050314.894651	31,000		-109.200200	36.584736	11/6/2012	102427	1860.57	NMEA 0183	12	2	2
661006.578197	4050306.164398	31,000		-109.200279	36.584658	11/6/2012	102453	1860.70	NMEA 0183	12	2	2
660982.065752	4050285.018635	31,000		-109.200558	36.584472	11/6/2012	102612	1861.67	NMEA 0183	12	2	2
660947.919190	4050259.201585	31,000		-109.200944	36.584245	11/6/2012	102834	1862.34	NMEA 0183	12	2	2
660920.175118	4050237.594140	31,000		-109.201259	36.584055	11/6/2012	103013	1863.63	NMEA 0183	12	2	2
660913.818166	4050234.288175	31,000		-109.201331	36.584026	11/6/2012	103031	1863.67	NMEA 0183	12	2	2
660894.801358	4050219.647258	31,000		-109.201546	36.583897	11/6/2012	103131	1864.05	NMEA 0183	12	2	2
661057.915537	4050390.143031	31,000		-109.199688	36.585406	11/6/2012	105255	1858.61	NMEA 0183	12	2	2
661109.605281	4050426.606796	31,000		-109.199103	36.585726	11/8/2012	104748	1857.40	NMEA 0183	12	2	2
661112.219462	4050434.764761	31,000		-109.199072	36.585799	11/8/2012	104906	1857.25	NMEA 0183	12	2	2
661110.313230	4050440.886604	31,000		-109.199092	36.585855	11/8/2012	105005	1857.25	NMEA 0183	12	2	2
661130.052337	4050452.797933	31,000		-109.198868	36.585996	11/8/2012	105532	1856.38	NMEA 0183	12	2	2
661146.171075	4050442.270794	31,000		-109.198691	36.585861	11/8/2012	105610	1856.06	NMEA 0183	12	2	2
661160.515146	4050435.263057	31,000		-109.198532	36.585795	11/8/2012	105737	1856.17	NMEA 0183	12	2	2
661139.240831	4050472.188864	31,000		-109.198762	36.586132	11/8/2012	105819	1856.17	NMEA 0183	12	2	2
661149.776817	4050459.758624	31,000		-109.198647	36.586018	11/8/2012	105853	1856.71	NMEA 0183	12	2	2
661149.004967	4050460.907601	31,000		-109.198655	36.586028	11/8/2012	105854	1856.69	NMEA 0183	12	2	2
661158.470036	4050458.260575	31,000		-109.198550	36.586003	11/8/2012	110038	1856.20	NMEA 0183	12	2	2
661103.683171	4050388.087326	31,000		-109.199177	36.585380	11/6/2012	105618	1857.62	NMEA 0183	12	2	2
661113.069076	4050393.568083	31,000		-109.199071	36.585428	11/6/2012	105639	1857.57	NMEA 0183	12	2	2
661117.629953	4050436.904500	31,000		-109.199011	36.585817	11/8/2012	105015	1857.16	NMEA 0183	12	2	2
660895.748937	4050317.989840	31,000		-109.201515	36.584783	11/3/2012	134518	1862.54	NMEA 0183	12	2	2
660894.439241	4050319.822401	31,000		-109.201529	36.584800	11/3/2012	134520	1862.54	NMEA 0183	12	2	2
660924.281995	4050269.302250	31,000		-109.201206	36.584340	11/3/2012	134652	1862.72	NMEA 0183	12	2	2
660916.725409	4050279.961046	31,000		-109.201289	36.584437	11/3/2012	134703	1862.95	NMEA 0183	12	2	2
660902.166426	4050295.342333	31,000		-109.201448	36.584578	11/3/2012	134821	1862.78	NMEA 0183	12	2	2
660906.225174	4050289.373566	31,000		-109.201404	36.584524	11/3/2012	134827	1862.80	NMEA 0183	12	2	2
660891.116207	4050306.007902	31,000		-109.201569	36.584676	11/3/2012	134956	1862.77	NMEA 0183	12	2	2
660885.558762	4050309.083487	31,000		-109.201631	36.584705	11/3/2012	135032	1862.70	NMEA 0183	12	2	2
660901.692522	4050277.384248	31,000		-109.201457	36.584416	11/3/2012	135100	1862.86	NMEA 0183	12	2	2
660917.668953	4050249.314845	31,000		-109.201284	36.584161	11/3/2012	135126	1863.54	NMEA 0183	12	2	2
660914.992095	4050265.294000	31,000		-109.201311	36.584305	11/3/2012	135329	1863.68	NMEA 0183	12	2	2
660917.269492	4050248.500911	31,000		-109.201289	36.584154	11/3/2012	135613	1863.62	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660890.111699	4050278.778583	31,000		-109.201586	36.584431	11/3/2012	135708	1863.03	NMEA 0183	12	2	2
660882.560187	4050290.125579	31,000		-109.201668	36.584534	11/3/2012	135719	1863.15	NMEA 0183	12	2	2
660876.837805	4050299.703379	31,000		-109.201730	36.584622	11/3/2012	135728	1862.98	NMEA 0183	12	2	2
660886.857110	4050257.080219	31,000		-109.201627	36.584236	11/3/2012	140609	1862.81	NMEA 0183	12	2	2
660885.670186	4050216.479914	31,000		-109.201649	36.583870	11/3/2012	141346	1863.92	NMEA 0183	12	2	2
660829.722288	4050174.200289	31,000		-109.202283	36.583499	11/3/2012	142154	1865.69	NMEA 0183	12	2	2
660836.541487	4050179.035264	31,000		-109.202206	36.583541	11/3/2012	142201	1865.60	NMEA 0183	12	2	2
660877.161203	4050199.433192	31,000		-109.201747	36.583718	11/3/2012	142240	1864.44	NMEA 0183	12	2	2
661050.535545	4050409.764843	31,000		-109.199766	36.585584	11/5/2012	115027	1858.70	NMEA 0183	12	2	2
661036.235245	4050411.572298	31,000		-109.199926	36.585603	11/5/2012	115125	1858.80	NMEA 0183	12	2	2
660988.704047	4050392.070682	31,000		-109.200461	36.585435	11/5/2012	115359	1859.15	NMEA 0183	12	2	2
661017.751130	4050412.724316	31,000		-109.200132	36.585616	11/5/2012	115442	1858.59	NMEA 0183	12	2	2
660920.094106	4050320.104643	31,000		-109.201243	36.584798	11/5/2012	122650	1861.49	NMEA 0183	12	2	2
660941.208101	4050339.997268	31,000		-109.201003	36.584974	11/5/2012	122731	1861.07	NMEA 0183	12	2	2
660944.862060	4050345.213310	31,000		-109.200961	36.585020	11/5/2012	122844	1860.84	NMEA 0183	12	2	2
660943.817853	4050372.226726	31,000		-109.200967	36.585264	11/5/2012	123350	1860.58	NMEA 0183	12	2	2
660977.189371	4050309.736014	31,000		-109.200590	36.585425	11/5/2012	123435	1859.79	NMEA 0183	12	2	2
660957.498610	4050371.961242	31,000		-109.200814	36.585259	11/5/2012	123635	1860.69	NMEA 0183	12	2	2
660974.931182	4050370.887433	31,000		-109.200619	36.585247	11/5/2012	124209	1860.57	NMEA 0183	12	2	2
660869.857022	4050307.655819	31,100		-109.201806	36.584695	11/3/2012	135842	1862.76	NMEA 0183	12	2	2
660869.117749	4050306.108608	31,100		-109.201815	36.584681	11/3/2012	135845	1862.67	NMEA 0183	12	2	2
660864.985704	4050284.824809	31,100		-109.201866	36.584490	11/3/2012	140901	1863.03	NMEA 0183	12	2	2
660873.044760	4050238.539604	31,100		-109.201785	36.584071	11/3/2012	141245	1863.39	NMEA 0183	12	2	2
660872.653080	4050205.124896	31,100		-109.201804	36.583770	11/3/2012	141606	1864.04	NMEA 0183	12	2	2
660866.021481	4050215.117130	31,100		-109.201869	36.583861	11/3/2012	141639	1864.26	NMEA 0183	12	2	2
660869.192519	4050199.589283	31,100		-109.201836	36.583721	11/3/2012	141655	1863.96	NMEA 0183	12	2	2
660863.945203	4050203.068366	31,100		-109.201894	36.583753	11/3/2012	141701	1864.20	NMEA 0183	12	2	2
660866.927953	4050193.378258	31,100		-109.201863	36.583665	11/3/2012	141741	1864.64	NMEA 0183	12	2	2
660852.166883	4050189.180780	31,100		-109.202029	36.583630	11/3/2012	141901	1864.64	NMEA 0183	12	2	2
660822.549121	4050170.903173	31,100		-109.202364	36.583470	11/3/2012	142010	1865.69	NMEA 0183	12	2	2
660872.653801	4050199.163884	31,100		-109.201798	36.583717	11/3/2012	142326	1864.25	NMEA 0183	12	2	2
660993.434614	4050402.482294	31,100		-109.200406	36.585528	11/5/2012	121357	1858.98	NMEA 0183	12	2	2
661008.492679	4050412.861660	31,100		-109.200235	36.585619	11/5/2012	121414	1858.76	NMEA 0183	12	2	2
661012.319432	4050413.945102	31,100		-109.200193	36.585628	11/5/2012	121439	1858.71	NMEA 0183	12	2	2
660984.568588	4050396.081020	31,100		-109.200506	36.585472	11/5/2012	121545	1859.22	NMEA 0183	12	2	2
660989.469200	4050391.358089	31,100		-109.200453	36.585429	11/5/2012	121624	1858.62	NMEA 0183	12	2	2
661011.689934	4050402.476435	31,100		-109.200202	36.585525	11/5/2012	121718	1858.17	NMEA 0183	12	2	2
661027.047519	4050409.685554	31,100		-109.200029	36.585587	11/5/2012	121828	1857.77	NMEA 0183	12	2	2
660990.471897	4050378.517938	31,100		-109.200444	36.585313	11/5/2012	121917	1858.93	NMEA 0183	12	2	2
661005.709288	4050386.094700	31,100		-109.200272	36.585378	11/5/2012	122026	1858.70	NMEA 0183	12	2	2
660932.402276	4050344.240196	31,100		-109.201100	36.585014	11/5/2012	123004	1860.82	NMEA 0183	12	2	2
660933.863430	4050355.434020	31,100		-109.201081	36.585114	11/5/2012	123149	1860.83	NMEA 0183	12	2	2
660958.948179	4050374.688903	31,100		-109.200797	36.585284	11/5/2012	123416	1860.56	NMEA 0183	12	2	2
660945.583677	4050352.164941	31,100		-109.200951	36.585083	11/5/2012	123754	1860.60	NMEA 0183	12	2	2
660949.998346	4050354.753894	31,100		-109.200901	36.585105	11/5/2012	123827	1860.73	NMEA 0183	12	2	2
661063.956428	4050358.795099	31,100		-109.199627	36.585123	11/6/2012	102125	1859.18	NMEA 0183	12	2	2
661016.868410	4050315.139362	31,100		-109.200162	36.584737	11/6/2012	102423	1860.44	NMEA 0183	12	2	2
660987.428246	4050289.887504	31,100		-109.200497	36.584515	11/6/2012	102555	1861.54	NMEA 0183	12	2	2
660932.276290	4050245.700250	31,100		-109.201122	36.584126	11/6/2012	102933	1862.80	NMEA 0183	12	2	2
660916.119681	4050232.226324	31,100		-109.201305	36.584007	11/6/2012	103028	1863.65	NMEA 0183	12	2	2
660912.545208	4050231.526835	31,100		-109.201345	36.584001	11/6/2012	103037	1863.72	NMEA 0183	12	2	2
661107.351140	4050429.006124	31,100		-109.199128	36.585748	11/8/2012	104751	1857.49	NMEA 0183	12	2	2
661114.649520	4050432.052437	31,100		-109.199045	36.585774	11/8/2012	104909	1857.20	NMEA 0183	12	2	2
661113.061205	4050442.462235	31,100		-109.199061	36.585868	11/8/2012	105009	1857.19	NMEA 0183	12	2	2
661122.376298	4050434.446451	31,100		-109.198959	36.585794	11/8/2012	105056	1856.94	NMEA 0183	12	2	2
661127.658380	4050425.848277	31,100		-109.198901	36.585716	11/8/2012	105105	1856.98	NMEA 0183	12	2	2
661140.832245	4050431.215097	31,100		-109.198753	36.585762	11/8/2012	105357	1856.62	NMEA 0183	12	2	2
661132.889118	4050444.104574	31,100		-109.198839	36.585880	11/8/2012	105409	1856.60	NMEA 0183	12	2	2
661136.462494	4050448.915967	31,100		-109.198798	36.585922	11/8/2012	105524	1856.55	NMEA 0183	12	2	2
661137.334182	4050454.059604	31,100		-109.198787	36.585969	11/8/2012	105557	1856.09	NMEA 0183	12	2	2
661155.595984	4050433.491338	31,100		-109.198588	36.585780	11/8/2012	105622	1856.24	NMEA 0183	12	2	2
661155.825736	4050434.524064	31,100		-109.198585	36.585789	11/8/2012	105623	1856.26	NMEA 0183	12	2	2
661162.440311	4050437.204313	31,100		-109.198510	36.585813	11/8/2012	105741	1856.18	NMEA 0183	12	2	2
661158.174749	4050441.785531	31,100		-109.198557	36.585855	11/8/2012	105746	1856.14	NMEA 0183	12	2	2
661154.451333	4050444.819488	31,100		-109.198598	36.585882	11/8/2012	105750	1856.44	NMEA 0183	12	2	2
661146.492899	4050460.832767	31,100		-109.198684	36.586028	11/8/2012	105830	1856.37	NMEA 0183	12	2	2
661145.923693	4050470.906527	31,100		-109.198688	36.586119	11/8/2012	105910	1856.57	NMEA 0183	12	2	2
661159.902427	4050456.410006	31,100		-109.198535	36.585986	11/8/2012	110040	1856.23	NMEA 0183	12	2	2
660935.162298	4050260.307492	31,100		-109.201087	36.584257	11/3/2012	134350	1862.69	NMEA 0183	12	2	2
660904.941286	4050304.731409	31,100		-109.201415	36.584662	11/3/2012	134504	1862.41	NMEA 0183	12	2	2
660899.509105	4050312.431660	31,100		-109.201474	36.584733	11/3/2012	134512	1862.23	NMEA 0183	12	2	2
660888.657178	4050320.872088	31,100		-109.201594	36.584811	11/3/2012	134744	1862.47	NMEA 0183	12	2	2
660913.551290	4050280.267872	31,100		-109.201324	36.584440	11/3/2012	134837	1863.18	NMEA 0183	12	2	2
660916.125294	4050269.943089	31,100		-109.201297	36.584347	11/3/2012	135206	1863.20	NMEA 0183	12	2	2
660887.575002	4050308.235226	31,100		-109.201608	36.584697	11/3/2012	135246	1862.94	NMEA 0183	12	2	2
660896.891122	4050283.979104	31,100		-109.201509	36.584477	11/3/2012	135426	1862.83	NMEA 0183	12	2	2
660888.156234	4050296.147400	31,100		-109.201604	36.584588	11/3/2012	135438	1862.93	NMEA 0183	12	2	2
660909.091103	4050259.863899	31,100		-109.201378	36.584257	11/3/2012	135602	1863.09	NMEA 0183	12	2	2
660894.798249	4050271.545287	31,100		-109.201535	36.584365	11/3/2012	135701	1863.03	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660901.417424	4050257.650500	31,100		-109.201464	36.584239	11/3/2012	135933	1863.38	NMEA 0183	12	2	2
660869.799898	4050297.076479	31,100		-109.201809	36.584599	11/3/2012	140058	1862.81	NMEA 0183	12	2	2
660870.336207	4050283.641252	31,100		-109.201806	36.584478	11/3/2012	140413	1863.02	NMEA 0183	12	2	2
660879.063146	4050267.592179	31,100		-109.201712	36.584332	11/3/2012	140552	1863.07	NMEA 0183	12	2	2
660892.947956	4050248.380516	31,100		-109.201561	36.584157	11/3/2012	140618	1863.45	NMEA 0183	12	2	2
660882.763997	4050227.099986	31,100		-109.201679	36.583967	11/3/2012	141233	1863.61	NMEA 0183	12	2	2
660839.873200	4050173.974003	31,100		-109.202169	36.583495	11/3/2012	142051	1865.26	NMEA 0183	12	2	2
660831.655216	4050175.414687	31,100		-109.202261	36.583509	11/3/2012	142156	1865.63	NMEA 0183	12	2	2
660878.140495	4050200.111849	31,100		-109.201736	36.583724	11/3/2012	142241	1864.39	NMEA 0183	12	2	2
660879.249983	4050207.464707	31,100		-109.201722	36.583790	11/3/2012	142306	1864.00	NMEA 0183	12	2	2
661042.299845	4050402.047250	31,100		-109.199860	36.585516	11/5/2012	115017	1858.92	NMEA 0183	12	2	2
661034.473007	4050410.009608	31,100		-109.199946	36.585589	11/5/2012	115123	1858.81	NMEA 0183	12	2	2
661027.931763	4050423.559872	31,100		-109.200016	36.585712	11/5/2012	115246	1858.57	NMEA 0183	12	2	2
660985.172920	4050392.405938	31,100		-109.200500	36.585439	11/5/2012	115410	1859.34	NMEA 0183	12	2	2
661017.858814	4050408.965947	31,100		-109.200132	36.585583	11/5/2012	121654	1858.04	NMEA 0183	12	2	2
660932.017040	4050339.558863	31,100		-109.201105	36.584972	11/5/2012	122902	1861.29	NMEA 0183	12	2	2
660937.186733	4050347.953266	31,100		-109.201046	36.585046	11/5/2012	123009	1860.74	NMEA 0183	12	2	2
660954.143593	4050372.928697	31,100		-109.200851	36.585269	11/5/2012	123412	1860.59	NMEA 0183	12	2	2
660956.221676	4050371.565550	31,100		-109.200828	36.585256	11/5/2012	123634	1860.67	NMEA 0183	12	2	2
660977.641845	4050380.193952	31,100		-109.200587	36.585330	11/5/2012	124241	1860.17	NMEA 0183	12	2	2
660947.348947	4050206.593970	31,100		-109.200951	36.584221	11/6/2012	102838	1862.35	NMEA 0183	12	2	2
660878.761715	4050310.724580	31,200		-109.201706	36.584721	11/3/2012	135452	1863.07	NMEA 0183	12	2	2
660859.377957	4050303.823291	31,200		-109.201924	36.584662	11/3/2012	140346	1862.89	NMEA 0183	12	2	2
660855.967027	4050294.065344	31,200		-109.201965	36.584574	11/3/2012	140917	1862.86	NMEA 0183	12	2	2
660868.144104	4050244.141195	31,200		-109.201839	36.584123	11/3/2012	141251	1863.48	NMEA 0183	12	2	2
660883.792425	4050218.775362	31,200		-109.201669	36.583891	11/3/2012	141343	1863.93	NMEA 0183	12	2	2
660869.337274	4050230.279887	31,200		-109.201828	36.583997	11/3/2012	141407	1863.68	NMEA 0183	12	2	2
660877.433290	4050215.345456	31,200		-109.201741	36.583862	11/3/2012	141454	1863.68	NMEA 0183	12	2	2
660874.947779	4050212.731604	31,200		-109.201769	36.583838	11/3/2012	141504	1863.76	NMEA 0183	12	2	2
660857.305240	4050235.058124	31,200		-109.201962	36.584043	11/3/2012	141535	1864.11	NMEA 0183	12	2	2
660864.087634	4050225.592628	31,200		-109.201888	36.583956	11/3/2012	141545	1864.17	NMEA 0183	12	2	2
660866.997316	4050209.044421	31,200		-109.201859	36.583807	11/3/2012	141612	1864.21	NMEA 0183	12	2	2
660863.296340	4050191.825023	31,200		-109.201904	36.583652	11/3/2012	141750	1864.60	NMEA 0183	12	2	2
661028.450456	4050427.006281	31,200		-109.200010	36.585743	11/5/2012	115232	1858.46	NMEA 0183	12	2	2
660993.759240	4050395.263550	31,200		-109.200404	36.585463	11/5/2012	115354	1859.09	NMEA 0183	12	2	2
661014.314767	4050415.088577	31,200		-109.200170	36.585638	11/5/2012	121437	1858.63	NMEA 0183	12	2	2
660989.362903	4050388.670373	31,200		-109.200454	36.585404	11/5/2012	121741	1858.78	NMEA 0183	12	2	2
660989.371005	4050373.819499	31,200		-109.200457	36.585271	11/5/2012	122043	1859.40	NMEA 0183	12	2	2
660942.404758	4050353.366907	31,200		-109.200986	36.585094	11/5/2012	123017	1860.70	NMEA 0183	12	2	2
660933.076116	4050368.725825	31,200		-109.201087	36.585234	11/5/2012	123614	1860.80	NMEA 0183	12	2	2
660951.355284	4050353.027658	31,200		-109.200886	36.585090	11/5/2012	123829	1860.97	NMEA 0183	12	2	2
660974.188025	4050378.710582	31,200		-109.200626	36.585317	11/5/2012	124230	1860.23	NMEA 0183	12	2	2
661071.740573	4050364.739662	31,200		-109.199539	36.585175	11/6/2012	102048	1859.14	NMEA 0183	12	2	2
660948.513905	4050434.059843	31,200		-109.200938	36.584238	11/6/2012	102835	1862.31	NMEA 0183	12	2	2
660937.542941	4050255.134130	31,200		-109.201061	36.584210	11/6/2012	102904	1862.71	NMEA 0183	12	2	2
660929.776719	4050250.453361	31,200		-109.201149	36.584169	11/6/2012	102927	1862.89	NMEA 0183	12	2	2
660927.310975	4050242.481362	31,200		-109.201178	36.584098	11/6/2012	102949	1863.26	NMEA 0183	12	2	2
661113.417882	4050421.280896	31,200		-109.199061	36.585677	11/8/2012	104742	1857.40	NMEA 0183	12	2	2
661111.210713	4050425.073908	31,200		-109.199085	36.585712	11/8/2012	104746	1857.30	NMEA 0183	12	2	2
661135.088914	4050416.988878	31,200		-109.198820	36.585635	11/8/2012	105114	1856.90	NMEA 0183	12	2	2
661131.910498	4050434.638092	31,200		-109.198852	36.585795	11/8/2012	105221	1856.67	NMEA 0183	12	2	2
661131.531153	4050446.123012	31,200		-109.198854	36.585898	11/8/2012	105411	1856.63	NMEA 0183	12	2	2
661132.498206	4050454.057746	31,200		-109.198841	36.585969	11/8/2012	105529	1856.30	NMEA 0183	12	2	2
661128.476250	4050459.013479	31,200		-109.198885	36.586015	11/8/2012	105534	1856.36	NMEA 0183	12	2	2
661151.278062	4050441.902870	31,200		-109.198634	36.585856	11/8/2012	105630	1856.20	NMEA 0183	12	2	2
661149.743824	4050443.852649	31,200		-109.198651	36.585875	11/8/2012	105632	1856.07	NMEA 0183	12	2	2
661134.333844	4050462.844814	31,200		-109.198819	36.586048	11/8/2012	105651	1856.16	NMEA 0183	12	2	2
661142.107924	4050458.575355	31,200		-109.198733	36.586009	11/8/2012	105714	1856.01	NMEA 0183	12	2	2
661151.119355	4050472.727817	31,200		-109.198629	36.586135	11/8/2012	105937	1856.42	NMEA 0183	12	2	2
661154.329523	4050469.301355	31,200		-109.198594	36.586103	11/8/2012	105941	1856.36	NMEA 0183	12	2	2
661159.254895	4050457.452182	31,200		-109.198542	36.585996	11/8/2012	110039	1856.22	NMEA 0183	12	2	2
661164.720229	4050443.058733	31,200		-109.198484	36.585865	11/8/2012	110058	1856.36	NMEA 0183	12	2	2
661045.787774	4050414.768055	31,200		-109.199818	36.585630	11/5/2012	115102	1858.74	NMEA 0183	12	2	2
661030.210987	4050422.527903	31,200		-109.199991	36.585703	11/5/2012	115301	1858.52	NMEA 0183	12	2	2
660982.713756	4050388.947243	31,200		-109.200529	36.585408	11/5/2012	115405	1859.32	NMEA 0183	12	2	2
661021.538938	4050399.878990	31,200		-109.200092	36.585500	11/5/2012	121948	1858.15	NMEA 0183	12	2	2
660990.218695	4050374.355131	31,200		-109.200448	36.585275	11/5/2012	122042	1859.41	NMEA 0183	12	2	2
660897.783340	4050323.902472	31,200		-109.201491	36.584836	11/5/2012	122618	1861.94	NMEA 0183	12	2	2
660961.884627	4050374.725384	31,200		-109.200764	36.585283	11/5/2012	123639	1860.58	NMEA 0183	12	2	2
660979.880468	4050370.018276	31,200		-109.200564	36.585238	11/5/2012	124221	1860.63	NMEA 0183	12	2	2
660919.289745	4050233.332572	31,200		-109.201270	36.584017	11/6/2012	103024	1863.56	NMEA 0183	12	2	2
661105.318237	4050387.361449	31,200		-109.199159	36.585373	11/6/2012	105620	1857.74	NMEA 0183	12	2	2
661133.381064	4050411.968294	31,200		-109.198840	36.585590	11/8/2012	104932	1857.53	NMEA 0183	12	2	2
661114.546887	4050440.553468	31,200		-109.199045	36.585851	11/8/2012	105011	1857.23	NMEA 0183	12	2	2
661138.833420	4050420.151719	31,200		-109.198778	36.585663	11/8/2012	105202	1856.88	NMEA 0183	12	2	2
660935.151064	4050260.349824	31,200		-109.201087	36.584257	11/3/2012	134405	1862.61	NMEA 0183	12	2	2
660934.513002	4050261.046305	31,200		-109.201094	36.584264	11/3/2012	134415	1862.60	NMEA 0183	12	2	2
660924.524223	4050273.893971	31,200		-109.201203	36.584381	11/3/2012	134618	1863.34	NMEA 0183	12	2	2
660927.115484	4050270.298620	31,200		-109.201175	36.584348	11/3/2012	134622	1863.01	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660926.992717	4050263.628254	31,200		-109.201177	36.584288	11/3/2012	134855	1863.24	NMEA 0183	12	2	2
660906.969941	4050281.700269	31,200		-109.201397	36.584454	11/3/2012	135218	1862.69	NMEA 0183	12	2	2
660920.672429	4050251.749739	31,200		-109.201250	36.584182	11/3/2012	135352	1863.44	NMEA 0183	12	2	2
660905.452336	4050264.991525	31,200		-109.201418	36.584304	11/3/2012	135557	1863.43	NMEA 0183	12	2	2
660912.158713	4050255.524643	31,200		-109.201345	36.584218	11/3/2012	135606	1863.12	NMEA 0183	12	2	2
660876.521829	4050314.676107	31,300		-109.201731	36.584757	11/3/2012	135456	1863.02	NMEA 0183	12	2	2
660860.955010	4050249.831297	31,300		-109.201918	36.584175	11/3/2012	141312	1863.67	NMEA 0183	12	2	2
660862.853596	4050227.287883	31,300		-109.201902	36.583972	11/3/2012	141543	1864.19	NMEA 0183	12	2	2
660870.670886	4050213.855714	31,300		-109.201817	36.583849	11/3/2012	141556	1864.10	NMEA 0183	12	2	2
660872.707223	4050210.579205	31,300		-109.201795	36.583819	11/3/2012	141559	1863.98	NMEA 0183	12	2	2
660874.347104	4050207.922317	31,300		-109.201777	36.583795	11/3/2012	141602	1864.01	NMEA 0183	12	2	2
660870.858708	4050203.658291	31,300		-109.201817	36.583757	11/3/2012	141649	1863.81	NMEA 0183	12	2	2
660873.448138	4050202.711619	31,300		-109.201788	36.583748	11/3/2012	142313	1864.13	NMEA 0183	12	2	2
661027.422552	4050426.456171	31,200		-109.200021	36.585738	11/5/2012	115231	1858.44	NMEA 0183	12	2	2
661034.753303	4050424.590288	31,300		-109.199940	36.585720	11/5/2012	115310	1858.48	NMEA 0183	12	2	2
661000.983634	4050407.998815	31,300		-109.200320	36.585577	11/5/2012	121406	1858.94	NMEA 0183	12	2	2
661006.209238	4050398.826116	31,300		-109.200264	36.585493	11/5/2012	121724	1858.60	NMEA 0183	12	2	2
661005.725107	4050396.639984	31,300		-109.200270	36.585473	11/5/2012	121807	1858.41	NMEA 0183	12	2	2
661024.395793	4050408.385507	31,300		-109.200059	36.585576	11/5/2012	121825	1857.85	NMEA 0183	12	2	2
660936.361951	4050336.392172	31,300		-109.201057	36.584942	11/5/2012	122736	1861.35	NMEA 0183	12	2	2
660908.822157	4050316.395938	31,300		-109.201369	36.584767	11/5/2012	122804	1861.65	NMEA 0183	12	2	2
660944.697281	4050348.596976	31,300		-109.200962	36.585051	11/5/2012	122849	1860.72	NMEA 0183	12	2	2
660943.667285	4050348.157818	31,300		-109.200973	36.585047	11/5/2012	122850	1860.84	NMEA 0183	12	2	2
660942.798016	4050352.519720	31,300		-109.200982	36.585087	11/5/2012	123016	1860.61	NMEA 0183	12	2	2
660934.867420	4050355.987369	31,300		-109.201070	36.585119	11/5/2012	123148	1860.80	NMEA 0183	12	2	2
660948.855756	4050356.504490	31,300		-109.200914	36.585121	11/5/2012	123825	1860.60	NMEA 0183	12	2	2
660942.892047	4050357.058727	31,300		-109.200980	36.585127	11/5/2012	123854	1861.29	NMEA 0183	12	2	2
660960.628345	4050366.295100	31,300		-109.200780	36.585208	11/5/2012	124103	1860.83	NMEA 0183	12	2	2
661063.411083	4050353.984978	31,300		-109.199634	36.585079	11/6/2012	102132	1859.27	NMEA 0183	12	2	2
661055.889841	4050349.134806	31,300		-109.199719	36.585037	11/6/2012	102203	1859.74	NMEA 0183	12	2	2
661004.013868	4050307.838048	31,300		-109.200308	36.584672	11/6/2012	102456	1860.67	NMEA 0183	12	2	2
661002.596518	4050302.518113	31,300		-109.200324	36.584626	11/6/2012	102507	1860.86	NMEA 0183	12	2	2
660982.656941	4050285.789920	31,300		-109.200551	36.584479	11/6/2012	102611	1861.69	NMEA 0183	12	2	2
660976.127874	4050286.446043	31,300		-109.200625	36.584432	11/6/2012	102642	1861.94	NMEA 0183	12	2	2
660971.664755	4050278.769909	31,300		-109.200675	36.584417	11/6/2012	102657	1862.07	NMEA 0183	12	2	2
660969.306632	4050276.206504	31,300		-109.200702	36.584394	11/6/2012	102702	1862.13	NMEA 0183	12	2	2
660956.824494	4050267.259003	31,300		-109.200843	36.584316	11/6/2012	102752	1862.40	NMEA 0183	12	2	2
660939.125066	4050253.571179	31,300		-109.201044	36.584196	11/6/2012	102902	1862.67	NMEA 0183	12	2	2
660937.308400	4050250.052390	31,300		-109.201065	36.584164	11/6/2012	102915	1862.71	NMEA 0183	12	2	2
660921.411924	4050242.764926	31,300		-109.201244	36.584101	11/6/2012	103001	1863.38	NMEA 0183	12	2	2
660909.057039	4050228.766579	31,300		-109.201385	36.583977	11/6/2012	103047	1863.77	NMEA 0183	12	2	2
660908.428031	4050229.537218	31,300		-109.201392	36.583984	11/6/2012	103048	1863.78	NMEA 0183	12	2	2
660903.888675	4050223.324300	31,300		-109.201444	36.583929	11/6/2012	103104	1863.97	NMEA 0183	12	2	2
660902.077675	4050218.943679	31,300		-109.201465	36.583890	11/6/2012	103119	1864.01	NMEA 0183	12	2	2
661126.334018	4050408.802749	31,300		-109.198920	36.585563	11/6/2012	105725	1857.46	NMEA 0183	12	2	2
661143.713890	4050421.839467	31,300		-109.198723	36.585677	11/8/2012	104705	1857.15	NMEA 0183	12	2	2
661113.818385	4050426.654308	31,300		-109.199056	36.585726	11/8/2012	104844	1857.32	NMEA 0183	12	2	2
661111.428229	4050435.833842	31,300		-109.199081	36.585809	11/8/2012	104905	1857.24	NMEA 0183	12	2	2
661116.348331	4050447.664085	31,300		-109.199023	36.585915	11/8/2012	105042	1856.91	NMEA 0183	12	2	2
661135.899539	4050416.079234	31,300		-109.198811	36.585627	11/8/2012	105115	1856.92	NMEA 0183	12	2	2
661138.549015	4050425.456805	31,300		-109.198780	36.585711	11/8/2012	105212	1856.64	NMEA 0183	12	2	2
661129.280086	4050439.046507	31,300		-109.198880	36.585835	11/8/2012	105225	1856.73	NMEA 0183	12	2	2
661119.406885	4050457.659709	31,300		-109.198897	36.586004	11/8/2012	105246	1856.75	NMEA 0183	12	2	2
661120.752953	4050455.798268	31,300		-109.198972	36.585987	11/8/2012	105248	1856.74	NMEA 0183	12	2	2
661140.644804	4050427.447495	31,300		-109.198756	36.585728	11/8/2012	105315	1856.58	NMEA 0183	12	2	2
661143.349723	4050427.181901	31,300		-109.198726	36.585725	11/8/2012	105353	1856.81	NMEA 0183	12	2	2
661152.325887	4050434.066327	31,300		-109.198624	36.585786	11/8/2012	105618	1856.26	NMEA 0183	12	2	2
661150.691775	4050446.916833	31,300		-109.198640	36.585902	11/8/2012	105725	1855.99	NMEA 0183	12	2	2
661141.870991	4050463.894279	31,300		-109.198735	36.586056	11/8/2012	105808	1856.17	NMEA 0183	12	2	2
661149.183072	4050457.215288	31,300		-109.198654	36.585995	11/8/2012	105834	1856.40	NMEA 0183	12	2	2
661149.947235	4050464.513634	31,300		-109.198644	36.586061	11/8/2012	105916	1856.45	NMEA 0183	12	2	2
661168.717024	4050445.573383	31,300		-109.198438	36.585887	11/8/2012	110012	1856.30	NMEA 0183	12	2	2
661116.898537	4050437.806381	31,300		-109.199019	36.585826	11/8/2012	105014	1857.19	NMEA 0183	12	2	2
660922.021672	4050280.241446	31,300		-109.201229	36.584439	11/3/2012	134437	1862.51	NMEA 0183	12	2	2
660911.476971	4050291.391819	31,300		-109.201345	36.584541	11/3/2012	134559	1862.67	NMEA 0183	12	2	2
660918.098817	4050282.615136	31,300		-109.201273	36.584461	11/3/2012	134609	1863.04	NMEA 0183	12	2	2
660917.418878	4050279.093582	31,300		-109.201281	36.584429	11/3/2012	134702	1862.90	NMEA 0183	12	2	2
660918.755117	4050247.311634	31,300		-109.201273	36.584143	11/3/2012	135128	1863.70	NMEA 0183	12	2	2
660895.471602	4050270.636752	31,300		-109.201528	36.584357	11/3/2012	135700	1863.13	NMEA 0183	12	2	2
660895.544821	4050260.746077	31,300		-109.201529	36.584268	11/3/2012	140021	1863.01	NMEA 0183	12	2	2
660900.690749	4050245.147917	31,300		-109.201475	36.584126	11/3/2012	140246	1863.36	NMEA 0183	12	2	2
660870.337798	4050283.556197	31,300		-109.201806	36.584477	11/3/2012	140424	1862.93	NMEA 0183	12	2	2
660849.079221	4050178.326484	31,300		-109.202066	36.583533	11/3/2012	141941	1865.00	NMEA 0183	12	2	2
660837.089233	4050170.248477	31,300		-109.202201	36.583462	11/3/2012	141953	1865.32	NMEA 0183	12	2	2
660834.024544	4050173.794305	31,300		-109.202235	36.583494	11/3/2012	142143	1865.53	NMEA 0183	12	2	2
661047.359413	4050406.597892	31,300		-109.199803	36.585556	11/5/2012	115023	1858.80	NMEA 0183	12	2	2
660969.268890	4050367.692459	31,300		-109.200683	36.585219	11/5/2012	124139	1860.85	NMEA 0183	12	2	2
660954.685112	4050264.564671	31,300		-109.200868	36.584292	11/6/2012	102758	1862.45	NMEA 0183	12	2	2
661106.517016	4050388.902497	31,300		-109.199145	36.585387	11/6/2012	105622	1857.70	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661110.539916	4050418.920417	31,300		-109.199094	36.585657	11/8/2012	104814	1857.37	NMEA 0183	12	2	2
661125.601856	4050444.127063	31,300		-109.198920	36.585881	11/8/2012	105230	1856.79	NMEA 0183	12	2	2
660935.183417	4050260.294940	31,300		-109.201086	36.584257	11/3/2012	134410	1862.61	NMEA 0183	12	2	2
660911.358881	4050295.629057	31,300		-109.201345	36.584579	11/3/2012	134454	1862.18	NMEA 0183	12	2	2
660923.841990	4050274.798639	31,300		-109.201210	36.584389	11/3/2012	134617	1863.28	NMEA 0183	12	2	2
660916.628346	4050276.380114	31,300		-109.201290	36.584405	11/3/2012	134841	1863.22	NMEA 0183	12	2	2
660924.121079	4050263.554157	31,300		-109.201209	36.584288	11/3/2012	134913	1862.82	NMEA 0183	12	2	2
660912.526597	4050257.627206	31,300		-109.201340	36.584237	11/3/2012	135118	1862.95	NMEA 0183	12	2	2
660917.997756	4050261.475193	31,300		-109.201278	36.584270	11/3/2012	135333	1863.28	NMEA 0183	12	2	2
660902.917561	4050276.090208	31,300		-109.201444	36.584405	11/3/2012	135418	1862.83	NMEA 0183	12	2	2
660917.901926	4050247.547220	31,300		-109.201282	36.584145	11/3/2012	135614	1863.68	NMEA 0183	12	2	2
660907.776217	4050254.321719	31,300		-109.201394	36.584208	11/3/2012	135643	1862.99	NMEA 0183	12	2	2
660897.390893	4050242.528065	31,300		-109.201512	36.584103	11/3/2012	140624	1863.41	NMEA 0183	12	2	2
660891.459493	4050235.373515	31,300		-109.201580	36.584040	11/3/2012	141015	1863.21	NMEA 0183	12	2	2
660935.165280	4050260.307548	31,300		-109.201087	36.584257	11/3/2012	134349	1862.71	NMEA 0183	12	2	2
660903.443217	4050306.665874	31,300		-109.201431	36.584680	11/3/2012	134506	1862.28	NMEA 0183	12	2	2
660918.854390	4050281.617508	31,300		-109.201264	36.584452	11/3/2012	134610	1863.09	NMEA 0183	12	2	2
660908.920469	4050290.500520	31,300		-109.201374	36.584533	11/3/2012	134714	1862.47	NMEA 0183	12	2	2
660908.237377	4050291.530951	31,300		-109.201381	36.584543	11/3/2012	134715	1862.49	NMEA 0183	12	2	2
660891.665718	4050316.100747	31,300		-109.201561	36.584767	11/3/2012	134739	1862.51	NMEA 0183	12	2	2
660906.968678	4050288.383110	31,300		-109.201396	36.584515	11/3/2012	134828	1862.81	NMEA 0183	12	2	2
660931.532436	4050258.105024	31,300		-109.201128	36.584238	11/3/2012	134901	1863.19	NMEA 0183	12	2	2
660907.012480	4050267.312468	31,300		-109.201400	36.584325	11/3/2012	135109	1863.33	NMEA 0183	12	2	2
660915.150151	4050253.342529	31,300		-109.201312	36.584198	11/3/2012	135122	1862.98	NMEA 0183	12	2	2
660894.991276	4050297.259337	31,300		-109.201528	36.584597	11/3/2012	135234	1862.87	NMEA 0183	12	2	2
660903.824823	4050282.211105	31,300		-109.201432	36.584460	11/3/2012	135311	1863.19	NMEA 0183	12	2	2
660904.419932	4050274.085536	31,300		-109.201427	36.584386	11/3/2012	135416	1862.98	NMEA 0183	12	2	2
660880.834463	4050302.073609	31,300		-109.201685	36.584642	11/3/2012	135522	1862.77	NMEA 0183	12	2	2
660878.311797	4050296.026069	31,300		-109.201714	36.584588	11/3/2012	135830	1862.89	NMEA 0183	12	2	2
660896.798199	4050255.307453	31,300		-109.201516	36.584218	11/3/2012	140208	1863.25	NMEA 0183	12	2	2
660898.468476	4050247.917829	31,300		-109.201499	36.584151	11/3/2012	140249	1863.34	NMEA 0183	12	2	2
660871.329322	4050281.826810	31,300		-109.201795	36.584462	11/3/2012	140459	1863.03	NMEA 0183	12	2	2
660876.770499	4050228.763518	31,300		-109.201746	36.583983	11/3/2012	141333	1863.45	NMEA 0183	12	2	2
660849.544062	4050198.450352	31,300		-109.202056	36.583714	11/3/2012	141850	1865.05	NMEA 0183	12	2	2
660842.705222	4050186.294000	31,300		-109.202135	36.583606	11/3/2012	142036	1865.31	NMEA 0183	12	2	2
660828.678668	4050173.690604	31,300		-109.202295	36.583494	11/3/2012	142153	1865.73	NMEA 0183	12	2	2
661050.835046	4050410.737833	31,300		-109.199763	36.585593	11/5/2012	115028	1858.73	NMEA 0183	12	2	2
661029.967212	4050424.472893	31,300		-109.199993	36.585720	11/5/2012	115244	1858.62	NMEA 0183	12	2	2
660899.252073	4050324.730867	31,300		-109.201474	36.584843	11/5/2012	122620	1861.89	NMEA 0183	12	2	2
660917.376817	4050328.601118	31,300		-109.201271	36.584875	11/5/2012	122916	1861.53	NMEA 0183	12	2	2
660905.067506	4050334.570830	31,300		-109.201407	36.584931	11/5/2012	123219	1861.54	NMEA 0183	12	2	2
660951.759579	4050369.040444	31,300		-109.200879	36.585234	11/5/2012	124023	1861.27	NMEA 0183	12	2	2
660858.967824	4050256.142188	31,400		-109.201939	36.584232	11/3/2012	141304	1863.59	NMEA 0183	12	2	2
660857.539158	4050242.168937	31,400		-109.201958	36.584107	11/3/2012	141427	1863.80	NMEA 0183	12	2	2
660867.093626	4050229.488789	31,400		-109.201854	36.583991	11/3/2012	141440	1863.63	NMEA 0183	12	2	2
660867.827352	4050228.542539	31,400		-109.201846	36.583982	11/3/2012	141441	1863.63	NMEA 0183	12	2	2
660878.069607	4050214.423279	31,400		-109.201734	36.583853	11/3/2012	141455	1863.73	NMEA 0183	12	2	2
660877.418853	4050210.297433	31,400		-109.201742	36.583816	11/3/2012	141501	1863.84	NMEA 0183	12	2	2
660871.376032	4050212.762804	31,400		-109.201809	36.583839	11/3/2012	141557	1864.01	NMEA 0183	12	2	2
660873.410507	4050206.556382	31,400		-109.201788	36.583783	11/3/2012	141604	1864.03	NMEA 0183	12	2	2
660866.485711	4050213.984568	31,400		-109.201864	36.583851	11/3/2012	141640	1864.22	NMEA 0183	12	2	2
660855.221496	4050197.973925	31,400		-109.201993	36.583709	11/3/2012	141819	1865.09	NMEA 0183	12	2	2
660854.158358	4050191.491284	31,400		-109.202006	36.583651	11/3/2012	141842	1864.72	NMEA 0183	12	2	2
660837.847292	4050172.626537	31,400		-109.202192	36.583483	11/3/2012	142053	1865.28	NMEA 0183	12	2	2
660874.113238	4050203.360351	31,400		-109.201781	36.583754	11/3/2012	142312	1864.06	NMEA 0183	12	2	2
660869.093325	4050199.309976	31,400		-109.201838	36.583718	11/3/2012	142319	1864.26	NMEA 0183	12	2	2
660997.694493	4050405.688016	31,400		-109.200358	36.585556	11/5/2012	121402	1858.86	NMEA 0183	12	2	2
660989.708557	4050406.137761	31,400		-109.200447	36.585562	11/5/2012	121526	1859.19	NMEA 0183	12	2	2
660986.816521	4050401.818258	31,400		-109.200480	36.585523	11/5/2012	121531	1859.24	NMEA 0183	12	2	2
660993.277721	4050391.105716	31,400		-109.200410	36.585426	11/5/2012	121737	1858.77	NMEA 0183	12	2	2
660996.250075	4050385.640103	31,400		-109.200378	36.585376	11/5/2012	121905	1858.89	NMEA 0183	12	2	2
660920.226305	4050342.528844	31,400		-109.201236	36.585000	11/5/2012	123127	1861.24	NMEA 0183	12	2	2
660926.374949	4050353.053890	31,400		-109.201166	36.585094	11/5/2012	123310	1860.93	NMEA 0183	12	2	2
660961.224389	4050353.262368	31,400		-109.200776	36.585090	11/5/2012	123528	1860.46	NMEA 0183	12	2	2
660940.429762	4050365.399047	31,400		-109.201006	36.585203	11/5/2012	123916	1861.02	NMEA 0183	12	2	2
661072.181793	4050370.489317	31,400		-109.199533	36.585227	11/6/2012	102025	1859.13	NMEA 0183	12	2	2
661051.882779	4050348.438250	31,400		-109.199764	36.585031	11/6/2012	102211	1859.63	NMEA 0183	12	2	2
661029.999890	4050330.347317	31,400		-109.200012	36.584872	11/6/2012	102331	1859.94	NMEA 0183	12	2	2
661021.576080	4050320.482454	31,400		-109.200109	36.584785	11/6/2012	102406	1860.44	NMEA 0183	12	2	2
661019.294669	4050318.364392	31,400		-109.200135	36.584766	11/6/2012	102411	1860.42	NMEA 0183	12	2	2
661010.209139	4050309.979835	31,400		-109.200238	36.584692	11/6/2012	102440	1860.74	NMEA 0183	12	2	2
660990.321740	4050294.051658	31,400		-109.200463	36.584552	11/6/2012	102542	1861.38	NMEA 0183	12	2	2
660959.338601	4050268.582345	31,400		-109.200815	36.584327	11/6/2012	102739	1862.34	NMEA 0183	12	2	2
660943.139682	4050253.627834	31,400		-109.200999	36.584195	11/6/2012	102856	1862.53	NMEA 0183	12	2	2
660890.960815	4050216.266325	31,400		-109.201590	36.583868	11/6/2012	103145	1864.06	NMEA 0183	12	2	2
660908.462127	4050289.724328	31,400		-109.201379	36.584527	11/6/2012	104259	1862.03	NMEA 0183	12	2	2
661124.654064	4050424.419511	31,400		-109.198935	36.585704	11/8/2012	104947	1857.26	NMEA 0183	12	2	2
661112.063952	4050451.022337	31,400		-109.199070	36.585946	11/8/2012	105037	1857.04	NMEA 0183	12	2	2
661123.877981	4050436.141153	31,400		-109.198941	36.585809	11/8/2012	105142	1856.98	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661141.815713	4050421.482044	31,400		-109.198744	36.585674	11/8/2012	105208	1856.76	NMEA 0183	12	2	2
661133.252963	4050432.491735	31,400		-109.198837	36.585775	11/8/2012	105219	1856.76	NMEA 0183	12	2	2
661146.835970	4050430.036559	31,400		-109.198686	36.585751	11/8/2012	105500	1856.40	NMEA 0183	12	2	2
661133.361536	4050453.041809	31,400		-109.198832	36.585960	11/8/2012	105528	1856.40	NMEA 0183	12	2	2
661129.238008	4050458.004887	31,400		-109.198877	36.586006	11/8/2012	105533	1856.37	NMEA 0183	12	2	2
661139.191480	4050452.459304	31,400		-109.198767	36.585954	11/8/2012	105559	1856.13	NMEA 0183	12	2	2
661136.951222	4050465.577751	31,400		-109.198789	36.586073	11/8/2012	105707	1856.14	NMEA 0183	12	2	2
661143.692300	4050456.335502	31,400		-109.198716	36.585988	11/8/2012	105716	1856.05	NMEA 0183	12	2	2
661147.641301	4050451.134251	31,400		-109.198673	36.585941	11/8/2012	105721	1856.14	NMEA 0183	12	2	2
661149.075303	4050454.688462	31,400		-109.198656	36.585972	11/8/2012	105759	1856.31	NMEA 0183	12	2	2
661161.309882	4050454.298166	31,400		-109.198519	36.585967	11/8/2012	110042	1856.24	NMEA 0183	12	2	2
661165.330113	4050447.685106	31,400		-109.198476	36.585906	11/8/2012	110048	1856.24	NMEA 0183	12	2	2
661083.049441	4050368.780372	31,400		-109.199412	36.585209	11/6/2012	105535	1858.40	NMEA 0183	12	2	2
660921.377729	4050281.252261	31,400		-109.201236	36.584448	11/3/2012	134438	1862.44	NMEA 0183	12	2	2
660910.783773	4050296.548678	31,400		-109.201352	36.584588	11/3/2012	134455	1862.13	NMEA 0183	12	2	2
660923.551496	4050270.394681	31,400		-109.201214	36.584350	11/3/2012	134653	1862.71	NMEA 0183	12	2	2
660911.822290	4050286.650174	31,400		-109.201342	36.584498	11/3/2012	134710	1862.47	NMEA 0183	12	2	2
660931.456558	4050257.138075	31,400		-109.201129	36.584229	11/3/2012	134902	1863.08	NMEA 0183	12	2	2
660927.981411	4050258.145836	31,400		-109.201167	36.584239	11/3/2012	134907	1863.26	NMEA 0183	12	2	2
660913.722582	4050255.494723	31,400		-109.201327	36.584217	11/3/2012	135120	1863.13	NMEA 0183	12	2	2
660916.451976	4050251.213876	31,400		-109.201298	36.584178	11/3/2012	135124	1863.15	NMEA 0183	12	2	2
660918.595562	4050266.436105	31,400		-109.201271	36.584315	11/3/2012	135202	1862.80	NMEA 0183	12	2	2
660912.369770	4050263.615358	31,400		-109.201341	36.584291	11/3/2012	135405	1863.31	NMEA 0183	12	2	2
660908.293156	4050260.973565	31,400		-109.201387	36.584267	11/3/2012	135601	1863.24	NMEA 0183	12	2	2
660913.627063	4050253.345466	31,400		-109.201329	36.584198	11/3/2012	135608	1863.19	NMEA 0183	12	2	2
660902.561594	4050252.866466	31,400		-109.201453	36.584195	11/3/2012	140011	1863.10	NMEA 0183	12	2	2
660896.256149	4050259.880795	31,400		-109.201522	36.584260	11/3/2012	140020	1863.09	NMEA 0183	12	2	2
660902.653865	4050247.457903	31,400		-109.201453	36.584147	11/3/2012	140216	1863.29	NMEA 0183	12	2	2
660887.559276	4050256.066791	31,400		-109.201619	36.584227	11/3/2012	140610	1862.82	NMEA 0183	12	2	2
660887.874057	4050227.129022	31,400		-109.201622	36.583966	11/3/2012	141215	1863.67	NMEA 0183	12	2	2
660873.442392	4050214.817610	31,400		-109.201786	36.583857	11/3/2012	141506	1863.88	NMEA 0183	12	2	2
660838.309251	4050180.546221	31,400		-109.202186	36.583555	11/3/2012	142203	1865.55	NMEA 0183	12	2	2
660874.805968	4050200.619153	31,400		-109.201774	36.583729	11/3/2012	142328	1864.13	NMEA 0183	12	2	2
660882.361636	4050321.142708	31,500		-109.201664	36.584814	11/3/2012	135012	1862.60	NMEA 0183	12	2	2
660894.082275	4050291.948564	31,500		-109.201539	36.584549	11/3/2012	135047	1862.85	NMEA 0183	12	2	2
660889.205212	4050289.116081	31,500		-109.201594	36.584524	11/3/2012	135534	1862.87	NMEA 0183	12	2	2
660891.890614	4050284.873248	31,500		-109.201565	36.584486	11/3/2012	135538	1862.79	NMEA 0183	12	2	2
660872.007588	4050305.607781	31,500		-109.201783	36.584676	11/3/2012	135839	1862.90	NMEA 0183	12	2	2
660864.558703	4050305.971512	31,500		-109.201866	36.584680	11/3/2012	140107	1862.84	NMEA 0183	12	2	2
660864.239365	4050301.592914	31,500		-109.201871	36.584641	11/3/2012	140121	1862.85	NMEA 0183	12	2	2
660863.666323	4050245.797953	31,500		-109.201889	36.584138	11/3/2012	141316	1863.64	NMEA 0183	12	2	2
660866.999715	4050233.391688	31,500		-109.201854	36.584026	11/3/2012	141410	1863.69	NMEA 0183	12	2	2
660859.022664	4050240.295231	31,500		-109.201942	36.584089	11/3/2012	141429	1863.84	NMEA 0183	12	2	2
660870.985913	4050233.407762	31,500		-109.201811	36.583935	11/3/2012	141446	1863.64	NMEA 0183	12	2	2
660856.170986	4050237.001253	31,500		-109.201974	36.584060	11/3/2012	141533	1864.14	NMEA 0183	12	2	2
660863.662165	4050226.487307	31,500		-109.201893	36.583964	11/3/2012	141544	1864.20	NMEA 0183	12	2	2
660868.244815	4050218.349413	31,500		-109.201843	36.583890	11/3/2012	141552	1864.11	NMEA 0183	12	2	2
660870.231038	4050205.633094	31,500		-109.201824	36.583775	11/3/2012	141608	1864.02	NMEA 0183	12	2	2
660861.864342	4050215.581302	31,500		-109.201915	36.583866	11/3/2012	141619	1864.47	NMEA 0183	12	2	2
660857.905526	4050223.544054	31,500		-109.201958	36.583939	11/3/2012	141628	1864.19	NMEA 0183	12	2	2
660863.094235	4050220.406060	31,500		-109.201900	36.583910	11/3/2012	141634	1864.20	NMEA 0183	12	2	2
660849.841687	4050204.628273	31,500		-109.202052	36.583770	11/3/2012	141811	1865.08	NMEA 0183	12	2	2
660871.654422	4050201.472071	31,500		-109.201809	36.583738	11/3/2012	142315	1864.16	NMEA 0183	12	2	2
660869.501165	4050199.676443	31,500		-109.201833	36.583722	11/3/2012	142318	1864.24	NMEA 0183	12	2	2
661026.449820	4050425.907095	31,500		-109.200032	36.585734	11/5/2012	115230	1858.50	NMEA 0183	12	2	2
660995.533965	4050401.496889	31,500		-109.200383	36.585519	11/5/2012	115517	1859.05	NMEA 0183	12	2	2
660995.902469	4050404.520607	31,500		-109.200378	36.585546	11/5/2012	121400	1858.95	NMEA 0183	12	2	2
660991.110623	4050408.453911	31,500		-109.200431	36.585582	11/5/2012	121500	1859.18	NMEA 0183	12	2	2
660991.081215	4050408.431165	31,500		-109.200431	36.585582	11/5/2012	121501	1859.15	NMEA 0183	12	2	2
660987.286257	4050406.127544	31,500		-109.200474	36.585562	11/5/2012	121515	1859.22	NMEA 0183	12	2	2
660986.220692	4050397.391931	31,500		-109.200488	36.585484	11/5/2012	121547	1859.07	NMEA 0183	12	2	2
661023.031108	4050409.887777	31,500		-109.200074	36.585590	11/5/2012	121706	1857.95	NMEA 0183	12	2	2
661016.464327	4050405.767639	31,500		-109.200148	36.585554	11/5/2012	121713	1858.08	NMEA 0183	12	2	2
661006.739631	4050386.833519	31,500		-109.200261	36.585385	11/5/2012	122025	1858.79	NMEA 0183	12	2	2
660895.410863	4050324.178065	31,500		-109.201517	36.584839	11/5/2012	122538	1861.57	NMEA 0183	12	2	2
660934.107051	4050340.985240	31,500		-109.201082	36.584984	11/5/2012	122900	1861.32	NMEA 0183	12	2	2
660904.741909	4050323.912475	31,500		-109.201413	36.584835	11/5/2012	122936	1861.64	NMEA 0183	12	2	2
660919.643459	4050347.926376	31,500		-109.201242	36.585049	11/5/2012	123303	1861.24	NMEA 0183	12	2	2
660942.386192	4050373.084068	31,500		-109.200982	36.585272	11/5/2012	123342	1860.61	NMEA 0183	12	2	2
660943.958022	4050372.229350	31,500		-109.200965	36.585264	11/5/2012	123402	1860.60	NMEA 0183	12	2	2
660945.438463	4050366.933707	31,500		-109.200950	36.585216	11/5/2012	123938	1860.87	NMEA 0183	12	2	2
660958.429062	4050363.455370	31,500		-109.200805	36.585182	11/5/2012	124049	1860.97	NMEA 0183	12	2	2
660967.088198	4050359.398389	31,500		-109.200709	36.585144	11/5/2012	124113	1860.70	NMEA 0183	12	2	2
661072.271262	4050370.490993	31,500		-109.199532	36.585227	11/6/2012	102022	1859.13	NMEA 0183	12	2	2
661069.816619	4050362.811400	31,500		-109.199561	36.585158	11/6/2012	102105	1859.17	NMEA 0183	12	2	2
661042.319562	4050336.093804	31,500		-109.199874	36.584922	11/6/2012	102259	1859.69	NMEA 0183	12	2	2
661037.777658	4050337.272054	31,500		-109.199924	36.584933	11/6/2012	102305	1859.70	NMEA 0183	12	2	2
661025.826067	4050322.067689	31,500		-109.200061	36.584798	11/6/2012	102353	1860.42	NMEA 0183	12	2	2
661011.032848	4050309.645673	31,500		-109.200229	36.584689	11/6/2012	102439	1860.74	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660976.348551	4050283.239481	31,500		-109.200622	36.584457	11/6/2012	102638	1861.92	NMEA 0183	12	2	2
660939.548805	4050258.427102	31,500		-109.201038	36.584239	11/6/2012	102850	1862.62	NMEA 0183	12	2	2
660926.015404	4050244.116268	31,500		-109.201192	36.584113	11/6/2012	102947	1863.23	NMEA 0183	12	2	2
661068.854489	4050372.524509	31,500		-109.199570	36.585246	11/6/2012	105429	1858.65	NMEA 0183	12	2	2
661116.622299	4050398.103487	31,500		-109.199030	36.585468	11/6/2012	105654	1857.64	NMEA 0183	12	2	2
661140.822958	4050419.136545	31,500		-109.198756	36.585653	11/8/2012	104709	1857.20	NMEA 0183	12	2	2
661102.352082	4050432.691328	31,500		-109.199183	36.585782	11/8/2012	104757	1857.57	NMEA 0183	12	2	2
661107.734795	4050422.781760	31,500		-109.199125	36.585692	11/8/2012	104809	1857.30	NMEA 0183	12	2	2
661118.162688	4050417.313481	31,500		-109.199009	36.585641	11/8/2012	104834	1857.27	NMEA 0183	12	2	2
661106.881340	4050434.892233	31,500		-109.199132	36.585801	11/8/2012	104854	1857.47	NMEA 0183	12	2	2
661124.066433	4050437.069522	31,500		-109.198939	36.585818	11/8/2012	105053	1856.86	NMEA 0183	12	2	2
661117.310418	4050456.660437	31,500		-109.199010	36.585995	11/8/2012	105243	1856.81	NMEA 0183	12	2	2
661143.790923	4050426.324523	31,500		-109.198721	36.585718	11/8/2012	105352	1856.79	NMEA 0183	12	2	2
661140.177121	4050432.344067	31,500		-109.198760	36.585772	11/8/2012	105358	1856.61	NMEA 0183	12	2	2
661126.248670	4050452.594050	31,500		-109.198911	36.585957	11/8/2012	105418	1856.67	NMEA 0183	12	2	2
661124.382291	4050459.852338	31,500		-109.198931	36.586023	11/8/2012	105431	1856.58	NMEA 0183	12	2	2
661133.388796	4050447.369367	31,500		-109.198833	36.585909	11/8/2012	105443	1856.48	NMEA 0183	12	2	2
661148.028013	4050445.942063	31,500		-109.198670	36.585894	11/8/2012	105634	1856.08	NMEA 0183	12	2	2
661139.428416	4050457.167469	31,500		-109.198763	36.585996	11/8/2012	105645	1855.95	NMEA 0183	12	2	2
661137.740281	4050459.053940	31,500		-109.198782	36.586014	11/8/2012	105647	1855.92	NMEA 0183	12	2	2
661139.196238	4050462.710293	31,500		-109.198765	36.586046	11/8/2012	105710	1856.05	NMEA 0183	12	2	2
661149.812456	4050447.910273	31,500		-109.198649	36.585911	11/8/2012	105724	1855.88	NMEA 0183	12	2	2
661150.409020	4050458.738356	31,500		-109.198640	36.586009	11/8/2012	105852	1856.84	NMEA 0183	12	2	2
661146.866620	4050464.052658	31,500		-109.198679	36.586057	11/8/2012	105857	1856.70	NMEA 0183	12	2	2
661165.996754	4050446.737622	31,500		-109.198469	36.585898	11/8/2012	110049	1856.28	NMEA 0183	12	2	2
661168.214653	4050442.214202	31,500		-109.198445	36.585857	11/8/2012	110054	1856.45	NMEA 0183	12	2	2
661156.692272	4050438.589247	31,500		-109.198574	36.585826	11/8/2012	110134	1854.83	NMEA 0183	12	2	2
661118.436346	4050418.311885	31,500		-109.199006	36.585650	11/8/2012	104835	1857.33	NMEA 0183	12	2	2
661117.365749	4050442.644638	31,500		-109.199013	36.585869	11/8/2012	105027	1857.09	NMEA 0183	12	2	2
660910.812046	4050292.328256	31,500		-109.201352	36.584550	11/3/2012	134558	1862.71	NMEA 0183	12	2	2
660927.953279	4050269.211898	31,500		-109.201165	36.584338	11/3/2012	134623	1862.99	NMEA 0183	12	2	2
660888.548345	4050302.057040	31,500		-109.201599	36.584641	11/3/2012	135038	1862.69	NMEA 0183	12	2	2
660916.616016	4050256.875093	31,500		-109.201295	36.584229	11/3/2012	135358	1863.11	NMEA 0183	12	2	2
660916.020932	4050257.825784	31,500		-109.201301	36.584238	11/3/2012	135359	1863.13	NMEA 0183	12	2	2
660874.382752	4050298.333074	31,500		-109.201758	36.584610	11/3/2012	135853	1862.78	NMEA 0183	12	2	2
660898.537516	4050257.221120	31,500		-109.201497	36.584235	11/3/2012	140017	1863.33	NMEA 0183	12	2	2
660870.346988	4050283.543421	31,500		-109.201806	36.584477	11/3/2012	140433	1863.01	NMEA 0183	12	2	2
660889.226970	4050245.147944	31,500		-109.201603	36.584128	11/3/2012	140823	1863.14	NMEA 0183	12	2	2
660886.027015	4050223.478350	31,500		-109.201643	36.583933	11/3/2012	141229	1863.76	NMEA 0183	12	2	2
660829.973122	4050167.170683	31,500		-109.202281	36.583435	11/3/2012	142101	1865.54	NMEA 0183	12	2	2
660883.342991	4050204.210038	31,500		-109.201677	36.583760	11/3/2012	142246	1864.21	NMEA 0183	12	2	2
661031.872064	4050407.830065	31,500		-109.199975	36.585570	11/5/2012	115120	1859.03	NMEA 0183	12	2	2
661030.288946	4050413.906185	31,500		-109.199992	36.585625	11/5/2012	115151	1858.73	NMEA 0183	12	2	2
660873.490102	4050314.708161	31,600		-109.201764	36.584758	11/3/2012	135509	1862.78	NMEA 0183	12	2	2
660868.818286	4050310.553315	31,600		-109.201817	36.584721	11/3/2012	135745	1862.99	NMEA 0183	12	2	2
660872.404115	4050272.219381	31,600		-109.201785	36.584375	11/3/2012	140849	1863.00	NMEA 0183	12	2	2
660861.034851	4050253.935362	31,600		-109.201916	36.584212	11/3/2012	141301	1863.58	NMEA 0183	12	2	2
660857.923398	4050254.400603	31,600		-109.201951	36.584217	11/3/2012	141307	1863.69	NMEA 0183	12	2	2
660859.824837	4050243.025557	31,600		-109.201932	36.584114	11/3/2012	141420	1863.75	NMEA 0183	12	2	2
660870.298693	4050224.419621	31,600		-109.201819	36.583945	11/3/2012	141445	1863.72	NMEA 0183	12	2	2
660875.726866	4050211.752909	31,600		-109.201761	36.583829	11/3/2012	141503	1863.79	NMEA 0183	12	2	2
660857.460243	4050238.653085	31,600		-109.201959	36.584075	11/3/2012	141529	1864.08	NMEA 0183	12	2	2
660857.991039	4050234.122073	31,600		-109.201954	36.584034	11/3/2012	141536	1864.17	NMEA 0183	12	2	2
660861.672661	4050193.855177	31,600		-109.201922	36.583671	11/3/2012	141752	1864.36	NMEA 0183	12	2	2
660851.526201	4050190.178664	31,600		-109.202036	36.583639	11/3/2012	141900	1864.72	NMEA 0183	12	2	2
660872.005424	4050195.548593	31,600		-109.201806	36.583684	11/3/2012	142235	1864.53	NMEA 0183	12	2	2
660874.037639	4050197.036760	31,600		-109.201783	36.583697	11/3/2012	142237	1864.55	NMEA 0183	12	2	2
661025.398440	4050425.415736	31,600		-109.200044	36.585729	11/5/2012	115229	1858.53	NMEA 0183	12	2	2
661023.202055	4050417.644811	31,600		-109.200070	36.585660	11/5/2012	115450	1858.43	NMEA 0183	12	2	2
661018.483095	4050417.447294	31,600		-109.200123	36.585659	11/5/2012	121433	1858.72	NMEA 0183	12	2	2
660996.013652	4050407.186219	31,600		-109.200376	36.585570	11/5/2012	121454	1859.13	NMEA 0183	12	2	2
661003.195489	4050397.103120	31,600		-109.200298	36.585478	11/5/2012	121727	1858.34	NMEA 0183	12	2	2
661002.137929	4050396.543210	31,600		-109.200310	36.585473	11/5/2012	121728	1858.39	NMEA 0183	12	2	2
661026.316244	4050403.253490	31,600		-109.200038	36.585530	11/5/2012	121953	1858.14	NMEA 0183	12	2	2
660924.021757	4050323.132087	31,600		-109.201198	36.584825	11/5/2012	122654	1861.43	NMEA 0183	12	2	2
660934.838472	4050358.171290	31,600		-109.201070	36.585139	11/5/2012	123318	1860.88	NMEA 0183	12	2	2
660954.195728	4050350.304477	31,600		-109.200855	36.585065	11/5/2012	123744	1860.98	NMEA 0183	12	2	2
660942.110024	4050358.274119	31,600		-109.200989	36.585139	11/5/2012	123856	1861.33	NMEA 0183	12	2	2
660940.885428	4050361.218069	31,600		-109.201002	36.585165	11/5/2012	123859	1861.18	NMEA 0183	12	2	2
660952.097135	4050357.543649	31,600		-109.200877	36.585130	11/5/2012	123948	1861.08	NMEA 0183	12	2	2
660976.056845	4050375.697314	31,600		-109.200606	36.585290	11/5/2012	124227	1860.37	NMEA 0183	12	2	2
661069.822515	4050362.815210	31,600		-109.199561	36.585158	11/6/2012	102103	1859.17	NMEA 0183	12	2	2
661065.189294	4050354.536201	31,600		-109.199614	36.585084	11/6/2012	102130	1859.15	NMEA 0183	12	2	2
661037.318205	4050331.459173	31,600		-109.199930	36.584881	11/6/2012	102317	1859.70	NMEA 0183	12	2	2
660971.794884	4050277.078046	31,600		-109.200674	36.584402	11/6/2012	102659	1862.12	NMEA 0183	12	2	2
660934.703668	4050255.402825	31,600		-109.201093	36.584213	11/6/2012	102908	1862.70	NMEA 0183	12	2	2
660934.034553	4050254.729967	31,600		-109.201100	36.584207	11/6/2012	102909	1862.81	NMEA 0183	12	2	2
660927.724253	4050245.585449	31,600		-109.201173	36.584126	11/6/2012	102941	1863.22	NMEA 0183	12	2	2
660918.806744	4050238.894743	31,600		-109.201274	36.584067	11/6/2012	103015	1863.62	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660906.134201	4050227.761146	31,600		-109.201418	36.583969	11/6/2012	103053	1863.88	NMEA 0183	12	2	2
661056.875790	4050393.887639	31,600		-109.199699	36.585440	11/6/2012	105237	1858.57	NMEA 0183	12	2	2
661097.303253	4050388.165688	31,600		-109.199248	36.585382	11/6/2012	105609	1857.63	NMEA 0183	12	2	2
661125.491696	4050409.573074	31,600		-109.198929	36.585570	11/6/2012	105724	1857.37	NMEA 0183	12	2	2
661108.130586	4050428.168031	31,600		-109.199119	36.585740	11/8/2012	104750	1857.46	NMEA 0183	12	2	2
661112.517844	4050428.314988	31,600		-109.199070	36.585741	11/8/2012	104846	1857.46	NMEA 0183	12	2	2
661128.271563	4050420.749118	31,600		-109.198896	36.585670	11/8/2012	104943	1857.16	NMEA 0183	12	2	2
661111.468453	4050450.323098	31,600		-109.199077	36.585939	11/8/2012	105036	1857.07	NMEA 0183	12	2	2
661114.719256	4050449.503575	31,600		-109.199041	36.585931	11/8/2012	105040	1856.96	NMEA 0183	12	2	2
661131.327633	4050426.181552	31,600		-109.198860	36.585718	11/8/2012	105131	1856.91	NMEA 0183	12	2	2
661140.176122	4050423.484105	31,600		-109.198762	36.585693	11/8/2012	105210	1856.68	NMEA 0183	12	2	2
661137.410847	4050431.585641	31,600		-109.198791	36.585766	11/8/2012	105311	1856.59	NMEA 0183	12	2	2
661132.232642	4050445.146584	31,600		-109.198846	36.585889	11/8/2012	105410	1856.65	NMEA 0183	12	2	2
661150.131510	4050428.263455	31,600		-109.198650	36.585734	11/8/2012	105504	1856.49	NMEA 0183	12	2	2
661152.380099	4050453.455638	31,600		-109.198619	36.585961	11/8/2012	105838	1856.34	NMEA 0183	12	2	2
661147.322230	4050468.792668	31,600		-109.198673	36.586100	11/8/2012	105912	1856.49	NMEA 0183	12	2	2
661150.650645	4050468.607203	31,600		-109.198635	36.586097	11/8/2012	105930	1856.38	NMEA 0183	12	2	2
661166.257000	4050449.565105	31,600		-109.198465	36.585923	11/8/2012	110016	1856.13	NMEA 0183	12	2	2
661165.541811	4050450.715144	31,600		-109.198473	36.585934	11/8/2012	110017	1856.07	NMEA 0183	12	2	2
661166.610653	4050441.521948	31,600		-109.198463	36.585851	11/8/2012	110056	1856.41	NMEA 0183	12	2	2
661159.696544	4050444.157597	31,600		-109.198540	36.585876	11/8/2012	110126	1853.81	NMEA 0183	12	2	2
661128.131585	4050464.589338	31,600		-109.198888	36.586065	11/8/2012	105546	1856.45	NMEA 0183	12	2	2
660895.097159	4050318.941322	31,600		-109.201522	36.584792	11/3/2012	134519	1862.54	NMEA 0183	12	2	2
660924.934330	4050268.241651	31,600		-109.201199	36.584330	11/3/2012	134651	1862.86	NMEA 0183	12	2	2
660905.782982	4050294.509228	31,600		-109.201408	36.584570	11/3/2012	134718	1862.49	NMEA 0183	12	2	2
660887.971932	4050321.699016	31,600		-109.201601	36.584818	11/3/2012	134745	1862.47	NMEA 0183	12	2	2
660892.425601	4050312.082683	31,600		-109.201553	36.584731	11/3/2012	134805	1862.44	NMEA 0183	12	2	2
660930.865459	4050258.991480	31,600		-109.201135	36.584246	11/3/2012	134900	1863.18	NMEA 0183	12	2	2
660917.005175	4050273.063307	31,600		-109.201287	36.584375	11/3/2012	134923	1863.15	NMEA 0183	12	2	2
660886.935914	4050313.291366	31,600		-109.201614	36.584742	11/3/2012	135003	1862.86	NMEA 0183	12	2	2
660912.886025	4050254.522785	31,600		-109.201337	36.584209	11/3/2012	135607	1863.16	NMEA 0183	12	2	2
660914.362246	4050252.321560	31,600		-109.201321	36.584189	11/3/2012	135609	1863.20	NMEA 0183	12	2	2
660912.420067	4050240.763604	31,600		-109.201345	36.584085	11/3/2012	135954	1862.65	NMEA 0183	12	2	2
660908.982299	4050238.259546	31,600		-109.201384	36.584063	11/3/2012	140229	1863.00	NMEA 0183	12	2	2
660899.995445	4050246.113381	31,600		-109.201483	36.584135	11/3/2012	140247	1863.35	NMEA 0183	12	2	2
660885.248833	4050244.257795	31,600		-109.201648	36.584121	11/3/2012	141006	1862.84	NMEA 0183	12	2	2
660885.716789	4050236.070657	31,600		-109.201644	36.584047	11/3/2012	141056	1863.39	NMEA 0183	12	2	2
660841.857365	4050187.201125	31,600		-109.202144	36.583614	11/3/2012	142035	1865.32	NMEA 0183	12	2	2
660828.762535	4050176.065300	31,600		-109.202293	36.583516	11/3/2012	142113	1865.60	NMEA 0183	12	2	2
660839.189295	4050181.187873	31,600		-109.202176	36.583560	11/3/2012	142204	1865.56	NMEA 0183	12	2	2
661049.807496	4050408.974341	31,600		-109.199775	36.585577	11/5/2012	115026	1858.79	NMEA 0183	12	2	2
660923.113710	4050322.393718	31,600		-109.201208	36.584818	11/5/2012	122653	1861.54	NMEA 0183	12	2	2
660942.274035	4050340.747843	31,600		-109.200990	36.584981	11/5/2012	122730	1861.09	NMEA 0183	12	2	2
660980.477016	4050366.997832	31,600		-109.200558	36.585211	11/5/2012	124217	1860.49	NMEA 0183	12	2	2
660871.384633	4050306.613443	31,700		-109.201790	36.584685	11/3/2012	135840	1862.85	NMEA 0183	12	2	2
660863.736911	4050307.957480	31,700		-109.201875	36.584698	11/3/2012	140109	1862.86	NMEA 0183	12	2	2
660861.445680	4050298.788331	31,700		-109.201902	36.584616	11/3/2012	140353	1862.88	NMEA 0183	12	2	2
660879.536481	4050266.929606	31,700		-109.201707	36.584326	11/3/2012	140559	1863.15	NMEA 0183	12	2	2
660861.240192	4050282.026463	31,700		-109.201908	36.584465	11/3/2012	140931	1862.98	NMEA 0183	12	2	2
660875.390417	4050243.843960	31,700		-109.201758	36.584119	11/3/2012	141158	1863.24	NMEA 0183	12	2	2
660858.190368	4050256.236773	31,700		-109.201948	36.584233	11/3/2012	141305	1863.64	NMEA 0183	12	2	2
660877.047928	4050220.713391	31,700		-109.201744	36.583910	11/3/2012	141357	1863.53	NMEA 0183	12	2	2
660857.794911	4050245.162791	31,700		-109.201954	36.584134	11/3/2012	141423	1863.80	NMEA 0183	12	2	2
660858.238412	4050241.231289	31,700		-109.201950	36.584098	11/3/2012	141428	1863.81	NMEA 0183	12	2	2
660859.756977	4050239.317546	31,700		-109.201934	36.584081	11/3/2012	141430	1863.77	NMEA 0183	12	2	2
660860.487581	4050238.378635	31,700		-109.201926	36.584072	11/3/2012	141431	1863.60	NMEA 0183	12	2	2
660878.803754	4050213.534377	31,700		-109.201726	36.583845	11/3/2012	141456	1863.73	NMEA 0183	12	2	2
660867.205447	4050224.389488	31,700		-109.201854	36.583945	11/3/2012	141515	1863.96	NMEA 0183	12	2	2
660857.464808	4050198.783509	31,700		-109.201968	36.583716	11/3/2012	141757	1864.95	NMEA 0183	12	2	2
660856.711012	4050196.178017	31,700		-109.201977	36.583692	11/3/2012	141821	1864.84	NMEA 0183	12	2	2
660841.860028	4050193.597336	31,700		-109.202143	36.583672	11/3/2012	141925	1865.04	NMEA 0183	12	2	2
660833.360945	4050182.713951	31,700		-109.202240	36.583575	11/3/2012	142025	1865.40	NMEA 0183	12	2	2
660856.017526	4050184.608298	31,700		-109.201987	36.583588	11/3/2012	142220	1864.90	NMEA 0183	12	2	2
661030.248017	4050428.116461	31,700		-109.199989	36.585753	11/5/2012	115234	1858.50	NMEA 0183	12	2	2
661015.546553	4050417.257269	31,700		-109.200156	36.585658	11/5/2012	121421	1858.72	NMEA 0183	12	2	2
661004.157486	4050400.615169	31,700		-109.200286	36.585510	11/5/2012	121640	1858.16	NMEA 0183	12	2	2
661025.845826	4050405.671451	31,700		-109.200043	36.585551	11/5/2012	121834	1857.80	NMEA 0183	12	2	2
661024.874444	4050405.129799	31,700		-109.200054	36.585547	11/5/2012	121835	1857.75	NMEA 0183	12	2	2
660908.145047	4050316.947415	31,700		-109.201377	36.584772	11/5/2012	122805	1861.58	NMEA 0183	12	2	2
660946.345756	4050347.791784	31,700		-109.200943	36.585043	11/5/2012	122847	1860.65	NMEA 0183	12	2	2
660920.222179	4050338.844220	31,700		-109.201237	36.584967	11/5/2012	123042	1861.16	NMEA 0183	12	2	2
660938.770796	4050363.577508	31,700		-109.201025	36.585187	11/5/2012	123607	1860.82	NMEA 0183	12	2	2
660935.981630	4050365.713458	31,700		-109.201056	36.585207	11/5/2012	123610	1860.88	NMEA 0183	12	2	2
660944.384375	4050364.674021	31,700		-109.200962	36.585196	11/5/2012	123924	1861.01	NMEA 0183	12	2	2
660951.537817	4050365.029901	31,700		-109.200882	36.585198	11/5/2012	124013	1861.08	NMEA 0183	12	2	2
661069.766822	4050362.841911	31,700		-109.199561	36.585158	11/6/2012	102059	1859.20	NMEA 0183	12	2	2
661069.855840	4050362.788089	31,700		-109.199560	36.585158	11/6/2012	102100	1859.19	NMEA 0183	12	2	2
661030.692225	4050329.540879	31,700		-109.200005	36.584865	11/6/2012	102332	1859.91	NMEA 0183	12	2	2
661020.129368	4050317.921306	31,700		-109.200125	36.584762	11/6/2012	102410	1860.43	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660976.750131	4050281.071785	31,700		-109.200618	36.584437	11/6/2012	102641	1861.96	NMEA 0183	12	2	2
660934.598478	4050253.212694	31,700		-109.201095	36.584193	11/6/2012	102911	1862.83	NMEA 0183	12	2	2
660937.670418	4050249.280455	31,700		-109.201061	36.584157	11/6/2012	102916	1862.71	NMEA 0183	12	2	2
661065.416913	4050374.713009	31,700		-109.199607	36.585266	11/6/2012	105404	1858.63	NMEA 0183	12	2	2
661070.022126	4050378.912963	31,700		-109.199555	36.585303	11/6/2012	105409	1858.56	NMEA 0183	12	2	2
661070.458574	4050369.391620	31,700		-109.199552	36.585217	11/6/2012	105440	1858.60	NMEA 0183	12	2	2
661103.643136	4050393.726233	31,700		-109.199176	36.585431	11/6/2012	105627	1857.50	NMEA 0183	12	2	2
661123.517490	4050405.710946	31,700		-109.198952	36.585535	11/6/2012	105716	1857.39	NMEA 0183	12	2	2
661128.767540	4050410.442778	31,700		-109.198892	36.585577	11/6/2012	105732	1857.42	NMEA 0183	12	2	2
661143.962847	4050422.165977	31,700		-109.198720	36.585680	11/8/2012	104704	1857.14	NMEA 0183	12	2	2
661138.284737	4050416.556765	31,700		-109.198785	36.585631	11/8/2012	104712	1857.11	NMEA 0183	12	2	2
661112.879242	4050422.243730	31,700		-109.199067	36.585686	11/8/2012	104743	1857.31	NMEA 0183	12	2	2
661110.398911	4050425.807812	31,700		-109.199094	36.585719	11/8/2012	104747	1857.41	NMEA 0183	12	2	2
661104.081109	4050426.871359	31,700		-109.199165	36.585729	11/8/2012	104804	1857.46	NMEA 0183	12	2	2
661113.815439	4050441.616271	31,700		-109.199053	36.585861	11/8/2012	105010	1857.21	NMEA 0183	12	2	2
661120.649689	4050435.122517	31,700		-109.198978	36.585801	11/8/2012	105019	1857.12	NMEA 0183	12	2	2
661136.890609	4050419.549303	31,700		-109.198799	36.585658	11/8/2012	105124	1856.89	NMEA 0183	12	2	2
661134.356610	4050422.235627	31,700		-109.198827	36.585682	11/8/2012	105127	1856.79	NMEA 0183	12	2	2
661134.088968	4050446.383666	31,700		-109.198825	36.585900	11/8/2012	105444	1856.47	NMEA 0183	12	2	2
661126.337006	4050461.888472	31,700		-109.198909	36.586041	11/8/2012	105537	1856.45	NMEA 0183	12	2	2
661145.592796	4050443.358662	31,700		-109.198697	36.585871	11/8/2012	105609	1856.04	NMEA 0183	12	2	2
661146.406076	4050448.036937	31,700		-109.198687	36.585913	11/8/2012	105636	1856.18	NMEA 0183	12	2	2
661136.820460	4050459.980034	31,700		-109.198792	36.586022	11/8/2012	105648	1856.01	NMEA 0183	12	2	2
661145.324223	4050454.344397	31,700		-109.198698	36.585970	11/8/2012	105718	1856.08	NMEA 0183	12	2	2
661150.571808	4050463.343399	31,700		-109.198637	36.586050	11/8/2012	105917	1856.44	NMEA 0183	12	2	2
661149.881048	4050469.556457	31,700		-109.198644	36.586106	11/8/2012	105931	1856.50	NMEA 0183	12	2	2
660977.007009	4050363.670035	31,700		-109.200598	36.585181	11/5/2012	123513	1860.35	NMEA 0183	12	2	2
660906.139387	4050222.143790	31,700		-109.201419	36.583918	11/6/2012	103101	1863.87	NMEA 0183	12	2	2
660932.704961	4050263.920145	31,700		-109.201113	36.584290	11/3/2012	134419	1862.48	NMEA 0183	12	2	2
660918.778054	4050285.058319	31,700		-109.201265	36.584483	11/3/2012	134442	1862.36	NMEA 0183	12	2	2
660896.413650	4050317.064497	31,700		-109.201508	36.584775	11/3/2012	134517	1862.45	NMEA 0183	12	2	2
660926.269390	4050264.576545	31,700		-109.201185	36.584297	11/3/2012	134854	1863.26	NMEA 0183	12	2	2
660929.584822	4050256.481549	31,700		-109.201150	36.584223	11/3/2012	134905	1863.20	NMEA 0183	12	2	2
660921.315851	4050262.562017	31,700		-109.201241	36.584280	11/3/2012	135158	1862.60	NMEA 0183	12	2	2
660888.557534	4050305.392170	31,700		-109.201598	36.584671	11/3/2012	135249	1863.09	NMEA 0183	12	2	2
660914.307398	4050260.751338	31,700		-109.201320	36.584264	11/3/2012	135402	1863.04	NMEA 0183	12	2	2
660897.878240	4050267.500355	31,700		-109.201502	36.584328	11/3/2012	135657	1863.21	NMEA 0183	12	2	2
660878.884753	4050291.075971	31,700		-109.201709	36.584544	11/3/2012	135900	1862.75	NMEA 0183	12	2	2
660895.447998	4050265.840111	31,700		-109.201529	36.584314	11/3/2012	135925	1863.06	NMEA 0183	12	2	2
660884.064620	4050231.890927	31,700		-109.201664	36.584010	11/3/2012	141210	1863.52	NMEA 0183	12	2	2
660834.937398	4050168.774728	31,700		-109.202226	36.583449	11/3/2012	141955	1865.36	NMEA 0183	12	2	2
660881.260210	4050202.554452	31,700		-109.201701	36.583746	11/3/2012	142244	1864.27	NMEA 0183	12	2	2
660943.989148	4050344.510740	31,700		-109.200970	36.585014	11/5/2012	122843	1860.90	NMEA 0183	12	2	2
660914.238597	4050331.374227	31,700		-109.201306	36.584901	11/5/2012	122946	1861.30	NMEA 0183	12	2	2
660979.596263	4050370.617797	31,700		-109.200567	36.585243	11/5/2012	123717	1860.50	NMEA 0183	12	2	2
661089.816137	4050374.570863	31,700		-109.199335	36.585260	11/6/2012	105542	1858.19	NMEA 0183	12	2	2
661106.286490	4050389.900700	31,700		-109.199148	36.585396	11/6/2012	105623	1857.70	NMEA 0183	12	2	2
661133.563534	4050423.243633	31,700		-109.198836	36.585692	11/8/2012	105128	1856.89	NMEA 0183	12	2	2
660889.166468	4050309.121406	31,800		-109.201590	36.584705	11/3/2012	134959	1862.76	NMEA 0183	12	2	2
660880.502987	4050321.381678	31,800		-109.201685	36.584816	11/3/2012	135015	1862.63	NMEA 0183	12	2	2
660873.531632	4050304.676319	31,800		-109.201766	36.584667	11/3/2012	135733	1863.01	NMEA 0183	12	2	2
660870.815073	4050307.396295	31,800		-109.201796	36.584692	11/3/2012	135841	1862.78	NMEA 0183	12	2	2
660871.517638	4050290.895574	31,800		-109.201791	36.584543	11/3/2012	140132	1862.82	NMEA 0183	12	2	2
660876.322620	4050272.947488	31,800		-109.201741	36.584381	11/3/2012	140534	1862.93	NMEA 0183	12	2	2
660865.766142	4050274.525644	31,800		-109.201859	36.584397	11/3/2012	140938	1862.96	NMEA 0183	12	2	2
660874.123455	4050246.023212	31,800		-109.201772	36.584139	11/3/2012	141156	1863.59	NMEA 0183	12	2	2
660869.745280	4050242.356627	31,800		-109.201821	36.584106	11/3/2012	141249	1863.49	NMEA 0183	12	2	2
660859.751710	4050214.717644	31,800		-109.201931	36.584192	11/3/2012	141310	1863.69	NMEA 0183	12	2	2
660865.100921	4050243.668078	31,800		-109.201873	36.584119	11/3/2012	141318	1863.64	NMEA 0183	12	2	2
660867.706977	4050208.108818	31,800		-109.201851	36.583798	11/3/2012	141611	1864.16	NMEA 0183	12	2	2
660869.940848	4050207.270172	31,800		-109.201827	36.583790	11/3/2012	141646	1863.83	NMEA 0183	12	2	2
660864.706576	4050202.239162	31,800		-109.201886	36.583746	11/3/2012	141700	1864.06	NMEA 0183	12	2	2
660858.195657	4050206.203266	31,800		-109.201958	36.583782	11/3/2012	141727	1864.72	NMEA 0183	12	2	2
660865.732712	4050194.992853	31,800		-109.201876	36.583680	11/3/2012	141739	1864.45	NMEA 0183	12	2	2
660867.440753	4050192.679428	31,800		-109.201858	36.583659	11/3/2012	141742	1864.74	NMEA 0183	12	2	2
660873.008268	4050196.323873	31,800		-109.201795	36.583691	11/3/2012	142236	1864.53	NMEA 0183	12	2	2
661022.942669	4050417.874861	31,800		-109.200073	36.585662	11/5/2012	115219	1858.66	NMEA 0183	12	2	2
661016.457733	4050417.827387	31,800		-109.200145	36.585663	11/5/2012	121422	1858.71	NMEA 0183	12	2	2
661021.110398	4050408.662462	31,800		-109.200095	36.585579	11/5/2012	121708	1857.95	NMEA 0183	12	2	2
661017.823556	4050399.777958	31,800		-109.200134	36.585500	11/5/2012	121843	1858.09	NMEA 0183	12	2	2
660999.464151	4050381.843724	31,800		-109.200343	36.585341	11/5/2012	122032	1859.03	NMEA 0183	12	2	2
660895.067680	4050324.023668	31,800		-109.201521	36.584838	11/5/2012	122539	1861.65	NMEA 0183	12	2	2
660920.076098	4050324.493578	31,800		-109.201242	36.584838	11/5/2012	122752	1861.36	NMEA 0183	12	2	2
660934.727028	4050372.252610	31,800		-109.201068	36.585266	11/5/2012	123335	1860.59	NMEA 0183	12	2	2
660968.069439	4050382.040110	31,800		-109.200694	36.585348	11/5/2012	123425	1860.03	NMEA 0183	12	2	2
660943.193858	4050348.187798	31,800		-109.200979	36.585047	11/5/2012	123550	1860.79	NMEA 0183	12	2	2
660951.994061	4050352.053741	31,800		-109.200879	36.585081	11/5/2012	123830	1860.89	NMEA 0183	12	2	2
660941.197704	4050360.154804	31,800		-109.200998	36.585156	11/5/2012	123858	1861.22	NMEA 0183	12	2	2
660954.620360	4050363.796540	31,800		-109.200848	36.585186	11/5/2012	124028	1861.11	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660957.670089	4050364.395591	31,800		-109.200813	36.585191	11/5/2012	124050	1861.00	NMEA 0183	12	2	2
661058.721352	4050350.314302	31,800		-109.199687	36.585047	11/6/2012	102150	1859.50	NMEA 0183	12	2	2
661046.849268	4050344.485540	31,800		-109.199821	36.584997	11/6/2012	102230	1859.89	NMEA 0183	12	2	2
661015.418784	4050313.928422	31,800		-109.200179	36.584727	11/6/2012	102425	1860.46	NMEA 0183	12	2	2
660952.003737	4050262.933003	31,800		-109.200898	36.584278	11/6/2012	102813	1862.54	NMEA 0183	12	2	2
660942.205146	4050255.180711	31,800		-109.201009	36.584210	11/6/2012	102854	1862.51	NMEA 0183	12	2	2
660936.024298	4050256.254349	31,800		-109.201078	36.584220	11/6/2012	102906	1862.73	NMEA 0183	12	2	2
660923.823403	4050237.856641	31,800		-109.201218	36.584057	11/6/2012	103007	1863.45	NMEA 0183	12	2	2
660908.474691	4050224.732644	31,800		-109.201392	36.583941	11/6/2012	103057	1863.82	NMEA 0183	12	2	2
661116.873263	4050402.939540	31,800		-109.199027	36.585511	11/6/2012	105701	1857.62	NMEA 0183	12	2	2
661139.205797	4050417.395284	31,800		-109.198774	36.585638	11/8/2012	104711	1857.14	NMEA 0183	12	2	2
661101.023026	4050431.336507	31,800		-109.199198	36.585770	11/8/2012	104759	1857.59	NMEA 0183	12	2	2
661105.307546	4050437.045356	31,800		-109.199149	36.585821	11/8/2012	104857	1857.54	NMEA 0183	12	2	2
661131.069458	4050417.830980	31,800		-109.198865	36.585643	11/8/2012	104940	1857.17	NMEA 0183	12	2	2
661116.142469	4050433.974483	31,800		-109.199028	36.585791	11/8/2012	104957	1857.26	NMEA 0183	12	2	2
661115.527551	4050448.558742	31,800		-109.199032	36.585923	11/8/2012	105041	1856.98	NMEA 0183	12	2	2
661130.725802	4050446.990213	31,800		-109.198863	36.585906	11/8/2012	105412	1856.59	NMEA 0183	12	2	2
661132.301301	4050459.708512	31,800		-109.198842	36.586020	11/8/2012	105551	1856.21	NMEA 0183	12	2	2
661154.931651	4050432.803753	31,800		-109.198595	36.585774	11/8/2012	105621	1856.27	NMEA 0183	12	2	2
661140.608508	4050460.659579	31,800		-109.198749	36.586028	11/8/2012	105712	1856.08	NMEA 0183	12	2	2
661148.943680	4050448.977897	31,800		-109.198659	36.585921	11/8/2012	105723	1855.95	NMEA 0183	12	2	2
661147.393478	4050456.715625	31,800		-109.198674	36.585991	11/8/2012	105801	1856.30	NMEA 0183	12	2	2
661146.230639	4050465.194934	31,800		-109.198686	36.586067	11/8/2012	105858	1856.63	NMEA 0183	12	2	2
661166.895413	4050448.532007	31,800		-109.198458	36.585914	11/8/2012	110015	1856.19	NMEA 0183	12	2	2
660890.696430	4050267.380751	31,900		-109.201582	36.584328	11/3/2012	140028	1863.10	NMEA 0183	12	2	2
660861.440948	4050307.810939	31,900		-109.201900	36.584697	11/3/2012	140113	1862.92	NMEA 0183	12	2	2
660881.132869	4050270.821593	31,900		-109.201688	36.584361	11/3/2012	140312	1863.11	NMEA 0183	12	2	2
660879.885917	4050272.967924	31,900		-109.201702	36.584380	11/3/2012	140314	1862.96	NMEA 0183	12	2	2
660876.409071	4050272.871419	31,900		-109.201741	36.584380	11/3/2012	140512	1863.14	NMEA 0183	12	2	2
660859.263364	4050286.428687	31,900		-109.201929	36.584505	11/3/2012	140927	1862.97	NMEA 0183	12	2	2
660871.820246	4050265.396116	31,900		-109.201793	36.584313	11/3/2012	140947	1863.05	NMEA 0183	12	2	2
660861.299012	4050269.714301	31,900		-109.201910	36.584354	11/3/2012	141130	1863.46	NMEA 0183	12	2	2
660861.423878	4050265.591870	31,900		-109.201909	36.584317	11/3/2012	141136	1863.47	NMEA 0183	12	2	2
660865.179142	4050248.018119	31,900		-109.201871	36.584158	11/3/2012	141255	1863.51	NMEA 0183	12	2	2
660870.868668	4050228.238759	31,900		-109.201812	36.583979	11/3/2012	141405	1863.78	NMEA 0183	12	2	2
660861.830354	4050240.199790	31,900		-109.201910	36.584088	11/3/2012	141417	1863.78	NMEA 0183	12	2	2
660860.488026	4050242.102032	31,900		-109.201925	36.584106	11/3/2012	141419	1863.73	NMEA 0183	12	2	2
660879.476282	4050212.749753	31,900		-109.201719	36.583838	11/3/2012	141457	1863.73	NMEA 0183	12	2	2
660862.306464	4050231.814890	31,900		-109.201907	36.584013	11/3/2012	141522	1863.91	NMEA 0183	12	2	2
660856.645763	4050236.022411	31,900		-109.201969	36.584051	11/3/2012	141534	1864.07	NMEA 0183	12	2	2
660856.914113	4050221.679533	31,900		-109.201969	36.583922	11/3/2012	141626	1864.28	NMEA 0183	12	2	2
660867.012225	4050212.871669	31,900		-109.201858	36.583841	11/3/2012	141641	1864.23	NMEA 0183	12	2	2
660867.673953	4050211.787196	31,900		-109.201851	36.583831	11/3/2012	141642	1864.18	NMEA 0183	12	2	2
660853.525694	4050199.394189	31,900		-109.202012	36.583722	11/3/2012	141817	1865.30	NMEA 0183	12	2	2
660851.775197	4050196.163358	31,900		-109.202032	36.583693	11/3/2012	141847	1865.05	NMEA 0183	12	2	2
660848.166944	4050188.417869	31,900		-109.202074	36.583624	11/3/2012	141917	1864.99	NMEA 0183	12	2	2
660990.958197	4050400.582547	31,900		-109.200434	36.585512	11/5/2012	121349	1859.07	NMEA 0183	12	2	2
660986.362306	4050406.557863	31,900		-109.200484	36.585566	11/5/2012	121514	1859.21	NMEA 0183	12	2	2
660989.426314	4050400.180227	31,900		-109.200451	36.585508	11/5/2012	121551	1859.05	NMEA 0183	12	2	2
660993.739947	4050404.657679	31,900		-109.200402	36.585548	11/5/2012	121557	1858.98	NMEA 0183	12	2	2
661012.057581	4050400.766823	31,900		-109.200198	36.585510	11/5/2012	121813	1858.12	NMEA 0183	12	2	2
661028.327668	4050408.555336	31,900		-109.200015	36.585577	11/5/2012	121830	1857.83	NMEA 0183	12	2	2
660998.184423	4050386.854569	31,900		-109.200356	36.585387	11/5/2012	121903	1858.79	NMEA 0183	12	2	2
660992.020406	4050375.722485	31,900		-109.200427	36.585287	11/5/2012	122040	1859.17	NMEA 0183	12	2	2
660897.704816	4050319.250927	31,900		-109.201493	36.584794	11/5/2012	122545	1861.63	NMEA 0183	12	2	2
660905.100510	4050308.657543	31,900		-109.201412	36.584698	11/5/2012	122556	1861.80	NMEA 0183	12	2	2
660913.381259	4050315.414007	31,900		-109.201319	36.584757	11/5/2012	122640	1861.73	NMEA 0183	12	2	2
660914.041921	4050320.045004	31,900		-109.201310	36.584799	11/5/2012	122758	1861.42	NMEA 0183	12	2	2
660936.269630	4050338.136534	31,900		-109.201058	36.584958	11/5/2012	122835	1861.16	NMEA 0183	12	2	2
660935.144339	4050341.672389	31,900		-109.201070	36.584990	11/5/2012	122859	1861.26	NMEA 0183	12	2	2
660902.494065	4050321.513923	31,900		-109.201439	36.584814	11/5/2012	122933	1861.68	NMEA 0183	12	2	2
660933.409709	4050345.008172	31,900		-109.201089	36.585020	11/5/2012	123005	1860.80	NMEA 0183	12	2	2
660936.350969	4050354.350435	31,900		-109.201054	36.585104	11/5/2012	123145	1860.85	NMEA 0183	12	2	2
660930.812165	4050353.721446	31,900		-109.201116	36.585099	11/5/2012	123152	1860.94	NMEA 0183	12	2	2
660893.365622	4050326.416735	31,900		-109.201540	36.584860	11/5/2012	123232	1861.90	NMEA 0183	12	2	2
660918.760692	4050347.112644	31,900		-109.201252	36.585042	11/5/2012	123302	1861.26	NMEA 0183	12	2	2
660932.862426	4050356.952359	31,900		-109.201092	36.585128	11/5/2012	123316	1861.05	NMEA 0183	12	2	2
660933.843426	4050357.538573	31,900		-109.201081	36.585133	11/5/2012	123317	1860.93	NMEA 0183	12	2	2
660946.767754	4050373.217885	31,900		-109.200933	36.585272	11/5/2012	123406	1860.65	NMEA 0183	12	2	2
660989.324583	4050377.812074	31,900		-109.200457	36.585307	11/5/2012	123451	1859.43	NMEA 0183	12	2	2
660984.573978	4050374.205038	31,900		-109.200511	36.585275	11/5/2012	123712	1860.20	NMEA 0183	12	2	2
660951.471771	4050351.028493	31,900		-109.200886	36.585072	11/5/2012	123814	1860.72	NMEA 0183	12	2	2
660950.939302	4050357.718038	31,900		-109.200890	36.585132	11/5/2012	123844	1861.09	NMEA 0183	12	2	2
660950.488403	4050359.413145	31,900		-109.200895	36.585147	11/5/2012	123946	1861.06	NMEA 0183	12	2	2
661059.690131	4050353.861629	31,900		-109.199676	36.585079	11/6/2012	102144	1859.33	NMEA 0183	12	2	2
661041.933507	4050336.954070	31,900		-109.199878	36.584930	11/6/2012	102258	1859.66	NMEA 0183	12	2	2
660993.066928	4050295.222116	31,900		-109.200432	36.584562	11/6/2012	102538	1861.33	NMEA 0183	12	2	2
660962.354248	4050269.410117	31,900		-109.200781	36.584334	11/6/2012	102735	1862.19	NMEA 0183	12	2	2
660930.560232	4050250.911948	31,900		-109.201140	36.584173	11/6/2012	102926	1862.83	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660924.289697	4050241.635001	31,900		-109.201212	36.584091	11/6/2012	102957	1863.38	NMEA 0183	12	2	2
660913.486340	4050293.859896	31,900		-109.201322	36.584563	11/6/2012	104333	1862.03	NMEA 0183	12	2	2
661071.032163	4050385.990243	31,900		-109.199542	36.585366	11/6/2012	105343	1858.50	NMEA 0183	12	2	2
661068.099492	4050382.169362	31,900		-109.199576	36.585333	11/6/2012	105347	1858.59	NMEA 0183	12	2	2
661076.793874	4050380.373452	31,900		-109.199479	36.585315	11/6/2012	105420	1858.32	NMEA 0183	12	2	2
661137.390380	4050415.726144	31,900		-109.198795	36.585623	11/8/2012	104713	1857.12	NMEA 0183	12	2	2
661110.076993	4050420.937135	31,900		-109.199099	36.585675	11/8/2012	104812	1857.32	NMEA 0183	12	2	2
661123.103381	4050439.028775	31,900		-109.198949	36.585836	11/8/2012	105051	1856.90	NMEA 0183	12	2	2
661130.936379	4050421.986555	31,900		-109.198866	36.585681	11/8/2012	105109	1856.74	NMEA 0183	12	2	2
661131.704243	4050420.970678	31,900		-109.198857	36.585671	11/8/2012	105110	1856.79	NMEA 0183	12	2	2
661132.812835	4050424.219139	31,900		-109.198844	36.585701	11/8/2012	105129	1856.88	NMEA 0183	12	2	2
661126.296393	4050436.358499	31,900		-109.198914	36.585811	11/8/2012	105146	1856.90	NMEA 0183	12	2	2
661127.614167	4050434.335607	31,900		-109.198900	36.585793	11/8/2012	105148	1856.86	NMEA 0183	12	2	2
661134.592764	4050424.916533	31,900		-109.198824	36.585707	11/8/2012	105157	1856.84	NMEA 0183	12	2	2
661142.138488	4050420.655741	31,900		-109.198741	36.585667	11/8/2012	105207	1856.89	NMEA 0183	12	2	2
661132.590000	4050433.481833	31,900		-109.198845	36.585784	11/8/2012	105220	1856.70	NMEA 0183	12	2	2
661144.463666	4050438.580132	31,900		-109.198711	36.585828	11/8/2012	105514	1856.20	NMEA 0183	12	2	2
661125.083735	4050463.733155	31,900		-109.198922	36.586058	11/8/2012	105539	1856.52	NMEA 0183	12	2	2
661130.576409	4050461.566550	31,900		-109.198861	36.586037	11/8/2012	105549	1856.24	NMEA 0183	12	2	2
661150.697150	4050436.046393	31,900		-109.198642	36.585804	11/8/2012	105616	1856.25	NMEA 0183	12	2	2
661141.153033	4050455.324225	31,900		-109.198744	36.585979	11/8/2012	105643	1856.14	NMEA 0183	12	2	2
661143.797166	4050466.497733	31,900		-109.198712	36.586080	11/8/2012	105825	1856.33	NMEA 0183	12	2	2
661146.176475	4050461.956988	31,900		-109.198687	36.586038	11/8/2012	105829	1856.38	NMEA 0183	12	2	2
661150.708592	4050457.558329	31,900		-109.198637	36.585998	11/8/2012	105851	1857.00	NMEA 0183	12	2	2
661154.856253	4050462.369398	31,900		-109.198590	36.586041	11/8/2012	105924	1856.50	NMEA 0183	12	2	2
661148.586747	4050471.202452	31,900		-109.198658	36.586121	11/8/2012	105933	1856.43	NMEA 0183	12	2	2
660888.328219	4050220.715461	31,900		-109.201618	36.583908	11/3/2012	141226	1863.83	NMEA 0183	12	2	2
660848.098792	4050182.333026	31,900		-109.202076	36.583569	11/3/2012	141937	1864.98	NMEA 0183	12	2	2
660914.921072	4050292.360770	31,900		-109.201306	36.584549	11/6/2012	104335	1862.13	NMEA 0183	12	2	2
660898.643513	4050240.557562	31,900		-109.201499	36.584085	11/3/2012	140626	1863.40	NMEA 0183	12	2	2
660902.762129	4050233.542999	31,900		-109.201454	36.584021	11/3/2012	140757	1863.21	NMEA 0183	12	2	2
660935.170934	4050260.324301	31,900		-109.201087	36.584257	11/3/2012	134357	1862.69	NMEA 0183	12	2	2
660923.514113	4050248.244159	31,900		-109.201219	36.584150	11/3/2012	135136	1863.34	NMEA 0183	12	2	2
660902.765215	4050233.537508	31,900		-109.201454	36.584021	11/3/2012	140755	1863.21	NMEA 0183	12	2	2
660879.628990	4050230.896037	31,900		-109.201713	36.584001	11/3/2012	141237	1863.30	NMEA 0183	12	2	2
660932.781835	4050257.980437	31,900		-109.201114	36.584236	11/3/2012	134640	1863.26	NMEA 0183	12	2	2
660922.696023	4050256.008567	31,900		-109.201227	36.584220	11/3/2012	135339	1863.60	NMEA 0183	12	2	2
660907.180508	4050249.956691	31,900		-109.201402	36.584168	11/3/2012	135941	1863.27	NMEA 0183	12	2	2
660884.624187	4050323.473091	32,000		-109.201638	36.584835	11/3/2012	134752	1862.54	NMEA 0183	12	2	2
660883.461317	4050318.496060	32,000		-109.201652	36.584790	11/3/2012	135009	1862.66	NMEA 0183	12	2	2
660880.018830	4050321.108115	32,000		-109.201690	36.584814	11/3/2012	135017	1862.62	NMEA 0183	12	2	2
660901.183657	4050289.749029	32,000		-109.201460	36.584528	11/3/2012	135226	1862.98	NMEA 0183	12	2	2
660876.816580	4050313.512630	32,000		-109.201727	36.584746	11/3/2012	135455	1863.02	NMEA 0183	12	2	2
660876.964516	4050308.556428	32,000		-109.201727	36.584702	11/3/2012	135516	1862.79	NMEA 0183	12	2	2
660896.386368	4050278.668499	32,000		-109.201516	36.584429	11/3/2012	135544	1862.93	NMEA 0183	12	2	2
660900.052813	4050264.409558	32,000		-109.201478	36.584300	11/3/2012	135654	1863.32	NMEA 0183	12	2	2
660891.538158	4050276.844626	32,000		-109.201571	36.584413	11/3/2012	135706	1863.14	NMEA 0183	12	2	2
660870.498394	4050309.093917	32,000		-109.201799	36.584707	11/3/2012	135738	1863.00	NMEA 0183	12	2	2
660869.044764	4050311.204938	32,000		-109.201815	36.584727	11/3/2012	135741	1862.93	NMEA 0183	12	2	2
660861.242566	4050307.331862	32,000		-109.201903	36.584693	11/3/2012	140114	1862.89	NMEA 0183	12	2	2
660885.870234	4050271.394857	32,000		-109.201635	36.584365	11/3/2012	140152	1862.91	NMEA 0183	12	2	2
660868.295590	4050290.974010	32,000		-109.201827	36.584545	11/3/2012	140331	1862.88	NMEA 0183	12	2	2
660861.267687	4050302.959709	32,000		-109.201903	36.584654	11/3/2012	140343	1862.90	NMEA 0183	12	2	2
660859.545235	4050301.260927	32,000		-109.201923	36.584639	11/3/2012	140350	1862.87	NMEA 0183	12	2	2
660869.865444	4050284.405606	32,000		-109.201811	36.584485	11/3/2012	140410	1862.93	NMEA 0183	12	2	2
660876.580419	4050272.084816	32,000		-109.201739	36.584373	11/3/2012	140540	1862.94	NMEA 0183	12	2	2
660876.934106	4050271.279428	32,000		-109.201735	36.584366	11/3/2012	140541	1863.06	NMEA 0183	12	2	2
660871.803424	4050273.310545	32,000		-109.201792	36.584385	11/3/2012	140850	1863.01	NMEA 0183	12	2	2
660860.005095	4050291.671586	32,000		-109.201920	36.584552	11/3/2012	140908	1862.91	NMEA 0183	12	2	2
660868.620890	4050270.718795	32,000		-109.201828	36.584362	11/3/2012	140942	1863.00	NMEA 0183	12	2	2
660863.988834	4050266.031992	32,000		-109.201881	36.584321	11/3/2012	141126	1863.37	NMEA 0183	12	2	2
660860.638636	4050269.929455	32,000		-109.201917	36.584356	11/3/2012	141131	1863.42	NMEA 0183	12	2	2
660870.234349	4050236.707633	32,000		-109.201817	36.584055	11/3/2012	141325	1863.57	NMEA 0183	12	2	2
660883.136238	4050219.723063	32,000		-109.201676	36.583900	11/3/2012	141342	1863.86	NMEA 0183	12	2	2
660864.010168	4050237.386532	32,000		-109.201886	36.584062	11/3/2012	141414	1863.67	NMEA 0183	12	2	2
660861.193042	4050237.428156	32,000		-109.201918	36.584063	11/3/2012	141432	1863.62	NMEA 0183	12	2	2
660868.427667	4050227.551249	32,000		-109.201839	36.583973	11/3/2012	141442	1863.67	NMEA 0183	12	2	2
660869.008282	4050226.496703	32,000		-109.201833	36.583963	11/3/2012	141443	1863.77	NMEA 0183	12	2	2
660858.154741	4050220.030642	32,000		-109.201956	36.583907	11/3/2012	141624	1864.36	NMEA 0183	12	2	2
660859.169409	4050209.330782	32,000		-109.201946	36.583810	11/3/2012	141708	1864.64	NMEA 0183	12	2	2
660841.663783	4050192.924084	32,000		-109.202145	36.583666	11/3/2012	141926	1865.10	NMEA 0183	12	2	2
660828.490971	4050179.019694	32,000		-109.202296	36.583542	11/3/2012	142020	1865.44	NMEA 0183	12	2	2
660874.802751	4050203.979945	32,000		-109.201773	36.583760	11/3/2012	142311	1864.03	NMEA 0183	12	2	2
660990.889047	4050400.531311	32,000		-109.200435	36.585511	11/5/2012	121352	1859.07	NMEA 0183	12	2	2
661019.387167	4050419.432280	32,000		-109.200112	36.585677	11/5/2012	121425	1858.69	NMEA 0183	12	2	2
661002.250122	4050399.393808	32,000		-109.200308	36.585499	11/5/2012	121638	1858.19	NMEA 0183	12	2	2
660987.377682	4050387.464205	32,000		-109.200477	36.585394	11/5/2012	121743	1858.92	NMEA 0183	12	2	2
661015.204917	4050402.843763	32,000		-109.200163	36.585528	11/5/2012	121816	1858.01	NMEA 0183	12	2	2
661011.160250	4050395.474749	32,000		-109.200209	36.585462	11/5/2012	121850	1858.21	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660989.450821	4050378.160327	32,000		-109.200456	36.585310	11/5/2012	121916	1858.98	NMEA 0183	12	2	2
661009.320676	4050391.430204	32,000		-109.200231	36.585426	11/5/2012	121936	1858.59	NMEA 0183	12	2	2
661014.432953	4050394.999637	32,000		-109.200173	36.585457	11/5/2012	121941	1858.33	NMEA 0183	12	2	2
660935.746432	4050353.654740	32,000		-109.201061	36.585098	11/5/2012	123144	1860.79	NMEA 0183	12	2	2
660923.739488	4050347.934607	32,000		-109.201196	36.585048	11/5/2012	123200	1861.05	NMEA 0183	12	2	2
660972.817018	4050386.446139	32,000		-109.200640	36.585387	11/5/2012	123430	1859.88	NMEA 0183	12	2	2
660947.042022	4050359.842488	32,000		-109.200933	36.585152	11/5/2012	123849	1861.14	NMEA 0183	12	2	2
660938.123405	4050368.039747	32,000		-109.201031	36.585227	11/5/2012	123913	1861.21	NMEA 0183	12	2	2
660941.839133	4050363.740379	32,000		-109.200990	36.585188	11/5/2012	123918	1861.02	NMEA 0183	12	2	2
660944.876329	4050367.957151	32,000		-109.200956	36.585225	11/5/2012	123937	1860.91	NMEA 0183	12	2	2
660952.873479	4050356.551962	32,000		-109.200869	36.585121	11/5/2012	123949	1860.95	NMEA 0183	12	2	2
660952.244528	4050364.092400	32,000		-109.200874	36.585189	11/5/2012	124012	1861.14	NMEA 0183	12	2	2
661072.254998	4050370.483290	32,000		-109.199532	36.585227	11/6/2012	102024	1859.13	NMEA 0183	12	2	2
661073.720512	4050367.421792	32,000		-109.199516	36.585199	11/6/2012	102034	1859.12	NMEA 0183	12	2	2
661065.863420	4050355.259105	32,000		-109.199607	36.585090	11/6/2012	102129	1859.19	NMEA 0183	12	2	2
661056.511874	4050352.718179	32,000		-109.199712	36.585069	11/6/2012	102153	1859.46	NMEA 0183	12	2	2
661024.869740	4050322.075672	32,000		-109.200072	36.584798	11/6/2012	102354	1860.43	NMEA 0183	12	2	2
661011.810179	4050310.115250	32,000		-109.200220	36.584693	11/6/2012	102438	1860.74	NMEA 0183	12	2	2
660996.093138	4050300.822255	32,000		-109.200397	36.584612	11/6/2012	102520	1860.97	NMEA 0183	12	2	2
660940.912247	4050256.911848	32,000		-109.201023	36.584225	11/6/2012	102852	1862.61	NMEA 0183	12	2	2
660940.570524	4050252.057460	32,000		-109.201028	36.584182	11/6/2012	102900	1862.59	NMEA 0183	12	2	2
660932.320763	4050244.200998	32,000		-109.201122	36.584112	11/6/2012	102935	1862.89	NMEA 0183	12	2	2
660909.872821	4050291.661442	32,000		-109.201363	36.584544	11/6/2012	104317	1862.02	NMEA 0183	12	2	2
661086.469952	4050381.753338	32,000		-109.199371	36.585326	11/6/2012	105457	1857.90	NMEA 0183	12	2	2
661105.689140	4050390.971566	32,000		-109.199154	36.585406	11/6/2012	105624	1857.54	NMEA 0183	12	2	2
661113.910194	4050420.402278	32,000		-109.199056	36.585669	11/8/2012	104741	1857.32	NMEA 0183	12	2	2
661102.618244	4050418.676973	32,000		-109.199181	36.585746	11/8/2012	104802	1857.54	NMEA 0183	12	2	2
661115.443355	4050431.083287	32,000		-109.199037	36.585765	11/8/2012	104910	1857.19	NMEA 0183	12	2	2
661132.664519	4050412.713231	32,000		-109.198848	36.585597	11/8/2012	104931	1857.41	NMEA 0183	12	2	2
661129.826722	4050428.186214	32,000		-109.198877	36.585737	11/8/2012	105133	1856.88	NMEA 0183	12	2	2
661141.865874	4050419.840473	32,000		-109.198744	36.585660	11/8/2012	105206	1857.01	NMEA 0183	12	2	2
661136.033156	4050428.369129	32,000		-109.198807	36.585737	11/8/2012	105215	1856.64	NMEA 0183	12	2	2
661127.838374	4050441.076325	32,000		-109.198896	36.585853	11/8/2012	105227	1856.78	NMEA 0183	12	2	2
661127.064720	4050442.082845	32,000		-109.198905	36.585862	11/8/2012	105228	1856.75	NMEA 0183	12	2	2
661121.680529	4050459.313387	32,000		-109.198961	36.586019	11/8/2012	105425	1856.69	NMEA 0183	12	2	2
661121.828080	4050461.787318	32,000		-109.198959	36.586041	11/8/2012	105428	1856.60	NMEA 0183	12	2	2
661158.109416	4050437.790858	32,000		-109.198559	36.585819	11/8/2012	105734	1856.06	NMEA 0183	12	2	2
661142.647558	4050462.971050	32,000		-109.198726	36.586048	11/8/2012	105807	1856.25	NMEA 0183	12	2	2
661153.918720	4050460.579834	32,000		-109.198601	36.586025	11/8/2012	105922	1856.49	NMEA 0183	12	2	2
661148.613286	4050472.253565	32,000		-109.198657	36.586131	11/8/2012	105934	1856.46	NMEA 0183	12	2	2
661151.858784	4050471.876030	32,000		-109.198621	36.586127	11/8/2012	105938	1856.45	NMEA 0183	12	2	2
660924.783381	4050253.593122	32,000		-109.201204	36.584198	11/3/2012	135342	1863.57	NMEA 0183	12	2	2
660902.780438	4050233.521146	32,000		-109.201454	36.584021	11/3/2012	140758	1863.21	NMEA 0183	12	2	2
660902.775999	4050233.519213	32,000		-109.201454	36.584021	11/3/2012	140759	1863.22	NMEA 0183	12	2	2
660889.150146	4050219.998372	32,000		-109.201609	36.583902	11/3/2012	141225	1863.75	NMEA 0183	12	2	2
660890.547380	4050322.215180	32,100		-109.201572	36.584822	11/3/2012	134527	1862.69	NMEA 0183	12	2	2
660885.361515	4050321.696407	32,100		-109.201630	36.584818	11/3/2012	134754	1862.61	NMEA 0183	12	2	2
660882.067410	4050317.495198	32,100		-109.201668	36.584781	11/3/2012	135024	1862.67	NMEA 0183	12	2	2
660896.547884	4050295.385156	32,100		-109.201511	36.584580	11/3/2012	135232	1862.82	NMEA 0183	12	2	2
660878.783102	4050296.587940	32,100		-109.201709	36.584593	11/3/2012	135725	1863.06	NMEA 0183	12	2	2
660866.202284	4050298.731207	32,100		-109.201849	36.584615	11/3/2012	140124	1862.77	NMEA 0183	12	2	2
660870.632768	4050275.445358	32,100		-109.201805	36.584404	11/3/2012	140852	1862.98	NMEA 0183	12	2	2
660865.197044	4050275.602603	32,100		-109.201865	36.584407	11/3/2012	140937	1862.95	NMEA 0183	12	2	2
660868.978434	4050243.239369	32,100		-109.201830	36.584114	11/3/2012	141250	1863.53	NMEA 0183	12	2	2
660862.901598	4050246.806512	32,100		-109.201897	36.584147	11/3/2012	141315	1863.58	NMEA 0183	12	2	2
660865.764211	4050242.659470	32,100		-109.201866	36.584110	11/3/2012	141319	1863.58	NMEA 0183	12	2	2
660880.512501	4050223.619315	32,100		-109.201705	36.583936	11/3/2012	141338	1863.53	NMEA 0183	12	2	2
660876.202704	4050221.559522	32,100		-109.201754	36.583918	11/3/2012	141358	1863.44	NMEA 0183	12	2	2
660876.499230	4050210.894316	32,100		-109.201752	36.583822	11/3/2012	141502	1863.84	NMEA 0183	12	2	2
660868.547215	4050222.278224	32,100		-109.201839	36.583926	11/3/2012	141513	1864.02	NMEA 0183	12	2	2
660861.528702	4050232.882395	32,100		-109.201915	36.584022	11/3/2012	141523	1863.89	NMEA 0183	12	2	2
660857.138741	4050222.749146	32,100		-109.201966	36.583932	11/3/2012	141627	1864.23	NMEA 0183	12	2	2
660859.983092	4050223.405356	32,100		-109.201934	36.583937	11/3/2012	141630	1864.19	NMEA 0183	12	2	2
660856.851315	4050208.133216	32,100		-109.201973	36.583800	11/3/2012	141725	1864.69	NMEA 0183	12	2	2
660883.103938	4050210.448206	32,100		-109.201679	36.583816	11/3/2012	142302	1864.12	NMEA 0183	12	2	2
660871.524701	4050198.598954	32,100		-109.201811	36.583712	11/3/2012	142325	1864.29	NMEA 0183	12	2	2
661029.419201	4050427.608923	32,100		-109.199999	36.585749	11/5/2012	115233	1858.50	NMEA 0183	12	2	2
661007.356417	4050408.937569	32,100		-109.200249	36.585584	11/5/2012	115506	1858.80	NMEA 0183	12	2	2
660990.411141	4050397.853283	32,100		-109.200441	36.585487	11/5/2012	115522	1859.17	NMEA 0183	12	2	2
660990.975398	4050400.619863	32,100		-109.200434	36.585512	11/5/2012	121348	1859.12	NMEA 0183	12	2	2
661020.238294	4050418.987653	32,100		-109.200103	36.585672	11/5/2012	121431	1858.67	NMEA 0183	12	2	2
660989.311518	4050407.027417	32,100		-109.200451	36.585570	11/5/2012	121525	1859.16	NMEA 0183	12	2	2
660990.135085	4050400.885277	32,100		-109.200443	36.585514	11/5/2012	121552	1859.06	NMEA 0183	12	2	2
661020.810653	4050410.569410	32,100		-109.200098	36.585596	11/5/2012	121657	1858.01	NMEA 0183	12	2	2
661023.747302	4050412.187388	32,100		-109.200065	36.585611	11/5/2012	121700	1857.97	NMEA 0183	12	2	2
661024.061997	4050410.437942	32,100		-109.200062	36.585595	11/5/2012	121705	1857.95	NMEA 0183	12	2	2
661022.095654	4050409.339400	32,100		-109.200084	36.585585	11/5/2012	121707	1857.99	NMEA 0183	12	2	2
660990.981052	4050387.333766	32,100		-109.200436	36.585392	11/5/2012	121753	1858.73	NMEA 0183	12	2	2
661021.485217	4050406.649639	32,100		-109.200092	36.585561	11/5/2012	121822	1857.81	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661014.307307	4050397.407408	32,100		-109.200174	36.585479	11/5/2012	121847	1858.08	NMEA 0183	12	2	2
661010.210816	4050394.876170	32,100		-109.200220	36.585457	11/5/2012	121851	1858.42	NMEA 0183	12	2	2
661016.432216	4050396.331853	32,100		-109.200150	36.585469	11/5/2012	121943	1858.29	NMEA 0183	12	2	2
661029.723878	4050405.688599	32,100		-109.200000	36.585551	11/5/2012	121957	1858.15	NMEA 0183	12	2	2
660905.224174	4050318.389132	32,100		-109.201409	36.584785	11/5/2012	122628	1861.80	NMEA 0183	12	2	2
660937.224363	4050343.154071	32,100		-109.201046	36.585003	11/5/2012	122857	1861.16	NMEA 0183	12	2	2
660919.400487	4050341.939988	32,100		-109.201246	36.584995	11/5/2012	123126	1861.23	NMEA 0183	12	2	2
660909.130666	4050337.291908	32,100		-109.201361	36.584955	11/5/2012	123215	1861.50	NMEA 0183	12	2	2
660931.857633	4050356.282466	32,100		-109.201104	36.585122	11/5/2012	123315	1861.04	NMEA 0183	12	2	2
660987.908970	4050379.724023	32,100		-109.200472	36.585324	11/5/2012	123449	1859.47	NMEA 0183	12	2	2
660990.007263	4050376.803838	32,100		-109.200450	36.585297	11/5/2012	123452	1859.44	NMEA 0183	12	2	2
660949.451358	4050349.390701	32,100		-109.200908	36.585057	11/5/2012	123806	1860.73	NMEA 0183	12	2	2
660949.259904	4050353.641364	32,100		-109.200910	36.585096	11/5/2012	123817	1860.51	NMEA 0183	12	2	2
661056.576888	4050347.495918	32,100		-109.199712	36.585022	11/6/2012	102205	1859.74	NMEA 0183	12	2	2
661045.226342	4050342.333563	32,100		-109.199840	36.584977	11/6/2012	102239	1860.01	NMEA 0183	12	2	2
661033.830021	4050330.535587	32,100		-109.199970	36.584873	11/6/2012	102321	1859.92	NMEA 0183	12	2	2
661031.829506	4050326.800619	32,100		-109.199993	36.584840	11/6/2012	102335	1860.12	NMEA 0183	12	2	2
660931.550558	4050243.509601	32,100		-109.201131	36.584106	11/6/2012	102936	1862.87	NMEA 0183	12	2	2
660925.377071	4050245.942893	32,100		-109.201199	36.584129	11/6/2012	102945	1863.21	NMEA 0183	12	2	2
660914.561999	4050233.599221	32,100		-109.201322	36.584020	11/6/2012	103030	1863.71	NMEA 0183	12	2	2
660913.798019	4050229.865232	32,100		-109.201332	36.583986	11/6/2012	103039	1863.63	NMEA 0183	12	2	2
660900.739066	4050217.936452	32,100		-109.201480	36.583881	11/6/2012	103121	1864.00	NMEA 0183	12	2	2
660890.112726	4050215.830578	32,100		-109.201599	36.583864	11/6/2012	103146	1863.98	NMEA 0183	12	2	2
661085.596726	4050382.103212	32,100		-109.199380	36.585329	11/6/2012	105456	1857.93	NMEA 0183	12	2	2
661090.899556	4050382.746378	32,100		-109.199321	36.585334	11/6/2012	105551	1857.88	NMEA 0183	12	2	2
661107.145036	4050395.667427	32,100		-109.199137	36.585448	11/6/2012	105632	1857.49	NMEA 0183	12	2	2
661136.572765	4050414.859969	32,100		-109.198804	36.585616	11/8/2012	104714	1857.14	NMEA 0183	12	2	2
661132.297158	4050411.381978	32,100		-109.198853	36.585585	11/8/2012	104719	1857.36	NMEA 0183	12	2	2
661110.629538	4050436.743712	32,100		-109.199089	36.585817	11/8/2012	104904	1857.26	NMEA 0183	12	2	2
661125.237965	4050421.041851	32,100		-109.198929	36.585673	11/8/2012	104922	1857.64	NMEA 0183	12	2	2
661125.537684	4050423.514934	32,100		-109.198926	36.585695	11/8/2012	104946	1857.28	NMEA 0183	12	2	2
661132.386134	4050428.123204	32,100		-109.198848	36.585736	11/8/2012	105154	1856.88	NMEA 0183	12	2	2
661137.124505	4050421.952716	32,100		-109.198796	36.585679	11/8/2012	105200	1856.84	NMEA 0183	12	2	2
661124.895041	4050454.460897	32,100		-109.198926	36.585974	11/8/2012	105420	1856.61	NMEA 0183	12	2	2
661152.809712	4050456.001446	32,100		-109.198614	36.585984	11/8/2012	105849	1856.25	NMEA 0183	12	2	2
661172.692296	4050445.257627	32,100		-109.198394	36.585883	11/8/2012	110007	1856.43	NMEA 0183	12	2	2
661159.190453	4050460.332768	32,100		-109.198542	36.586021	11/8/2012	110026	1856.25	NMEA 0183	12	2	2
661155.183952	4050461.958677	32,100		-109.198586	36.586034	11/8/2012	110034	1856.19	NMEA 0183	12	2	2
660935.181268	4050260.330043	32,100		-109.201087	36.584257	11/3/2012	134355	1862.69	NMEA 0183	12	2	2
660930.146951	4050259.921363	32,100		-109.201143	36.584254	11/3/2012	134859	1863.18	NMEA 0183	12	2	2
660832.109192	4050172.437811	32,100		-109.202256	36.583483	11/3/2012	142145	1865.50	NMEA 0183	12	2	2
660913.041072	4050227.747988	32,100		-109.201341	36.583967	11/6/2012	103042	1863.67	NMEA 0183	12	2	2
660900.690971	4050272.236364	32,100		-109.201469	36.584370	11/3/2012	135550	1862.91	NMEA 0183	12	2	2
660908.670444	4050248.227139	32,100		-109.201385	36.584153	11/3/2012	135943	1863.00	NMEA 0183	12	2	2
660909.358403	4050247.415061	32,100		-109.201378	36.584145	11/3/2012	135944	1862.93	NMEA 0183	12	2	2
660910.772567	4050245.660295	32,100		-109.201362	36.584129	11/3/2012	135946	1862.86	NMEA 0183	12	2	2
660911.952402	4050294.682035	32,100		-109.201339	36.584571	11/3/2012	134453	1862.27	NMEA 0183	12	2	2
660840.754852	4050182.105002	32,100		-109.202158	36.583568	11/3/2012	142206	1865.49	NMEA 0183	12	2	2
660889.033627	4050208.448692	32,100		-109.201613	36.583797	11/3/2012	142252	1864.30	NMEA 0183	12	2	2
660933.472706	4050257.092579	32,100		-109.201106	36.584228	11/3/2012	134639	1863.15	NMEA 0183	12	2	2
660839.980900	4050185.998878	32,100		-109.202166	36.583603	11/3/2012	142125	1865.35	NMEA 0183	12	2	2
660922.731355	4050247.585822	32,100		-109.201228	36.584144	11/3/2012	135135	1863.43	NMEA 0183	12	2	2
660906.624050	4050250.765433	32,100		-109.201408	36.584176	11/3/2012	135940	1863.24	NMEA 0183	12	2	2
660907.572161	4050245.378436	32,100		-109.201398	36.584127	11/3/2012	140003	1862.98	NMEA 0183	12	2	2
660888.215565	4050207.128275	32,100		-109.201622	36.583793	11/3/2012	142251	1864.32	NMEA 0183	12	2	2
660902.773398	4050233.498818	32,100		-109.201454	36.584021	11/3/2012	140637	1863.47	NMEA 0183	12	2	2
660903.591322	4050293.332511	32,200		-109.201433	36.584560	11/3/2012	134823	1862.82	NMEA 0183	12	2	2
660920.469482	4050271.678006	32,200		-109.201249	36.584362	11/3/2012	134846	1863.18	NMEA 0183	12	2	2
660892.261963	4050295.319744	32,200		-109.201559	36.584580	11/3/2012	135044	1862.64	NMEA 0183	12	2	2
660901.926918	4050288.771515	32,200		-109.201452	36.584519	11/3/2012	135225	1862.97	NMEA 0183	12	2	2
660895.679314	4050295.087750	32,200		-109.201521	36.584577	11/3/2012	135259	1863.12	NMEA 0183	12	2	2
660893.635810	4050273.798629	32,200		-109.201548	36.584386	11/3/2012	135703	1863.02	NMEA 0183	12	2	2
660872.866855	4050305.684898	32,200		-109.201773	36.584676	11/3/2012	135734	1862.97	NMEA 0183	12	2	2
660881.018291	4050288.025094	32,200		-109.201686	36.584516	11/3/2012	135903	1862.75	NMEA 0183	12	2	2
660886.364510	4050279.736877	32,200		-109.201628	36.584440	11/3/2012	135911	1862.74	NMEA 0183	12	2	2
660886.592700	4050273.202558	32,200		-109.201627	36.584381	11/3/2012	140034	1862.98	NMEA 0183	12	2	2
660881.672503	4050277.377678	32,200		-109.201681	36.584420	11/3/2012	140146	1862.59	NMEA 0183	12	2	2
660886.278731	4050263.515501	32,200		-109.201632	36.584294	11/3/2012	140305	1863.06	NMEA 0183	12	2	2
660869.225012	4050269.603649	32,200		-109.201821	36.584352	11/3/2012	140943	1863.00	NMEA 0183	12	2	2
660869.866210	4050268.579831	32,200		-109.201815	36.584342	11/3/2012	140944	1863.00	NMEA 0183	12	2	2
660864.671784	4050265.008955	32,200		-109.201873	36.584311	11/3/2012	141125	1863.44	NMEA 0183	12	2	2
660868.577678	4050231.253399	32,200		-109.201837	36.584006	11/3/2012	141408	1863.77	NMEA 0183	12	2	2
660864.822024	4050236.410298	32,200		-109.201878	36.584053	11/3/2012	141413	1863.72	NMEA 0183	12	2	2
660870.077392	4050220.142739	32,200		-109.201822	36.583906	11/3/2012	141511	1863.89	NMEA 0183	12	2	2
660856.886435	4050239.104767	32,200		-109.201966	36.584079	11/3/2012	141530	1864.09	NMEA 0183	12	2	2
660868.481770	4050207.279865	32,200		-109.201843	36.583790	11/3/2012	141610	1864.09	NMEA 0183	12	2	2
660860.307102	4050217.409235	32,200		-109.201932	36.583883	11/3/2012	141621	1864.38	NMEA 0183	12	2	2
660862.566693	4050204.831206	32,200		-109.201909	36.583769	11/3/2012	141703	1864.44	NMEA 0183	12	2	2
660849.350900	4050193.226967	32,200		-109.202060	36.583667	11/3/2012	141857	1864.88	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660827.481706	4050178.268345	32,200		-109.202307	36.583536	11/3/2012	142019	1865.38	NMEA 0183	12	2	2
661001.910109	4050408.548872	32,200		-109.200310	36.585581	11/5/2012	121407	1858.95	NMEA 0183	12	2	2
661017.403732	4050418.449948	32,200		-109.200135	36.585668	11/5/2012	121423	1858.72	NMEA 0183	12	2	2
661016.418957	4050416.234091	32,200		-109.200146	36.585648	11/5/2012	121435	1858.70	NMEA 0183	12	2	2
660991.459612	4050408.059068	32,200		-109.200427	36.585579	11/5/2012	121459	1859.17	NMEA 0183	12	2	2
660992.306572	4050401.305124	32,200		-109.200419	36.585518	11/5/2012	121604	1858.90	NMEA 0183	12	2	2
660990.511655	4050399.654898	32,200		-109.200439	36.585503	11/5/2012	121606	1859.03	NMEA 0183	12	2	2
660989.752523	4050398.691800	32,200		-109.200448	36.585495	11/5/2012	121607	1859.00	NMEA 0183	12	2	2
660995.032196	4050394.915604	32,200		-109.200390	36.585460	11/5/2012	121630	1858.47	NMEA 0183	12	2	2
661001.383913	4050398.732050	32,200		-109.200318	36.585493	11/5/2012	121637	1858.19	NMEA 0183	12	2	2
660985.206811	4050385.657116	32,200		-109.200501	36.585378	11/5/2012	121746	1859.10	NMEA 0183	12	2	2
661022.310848	4050403.026795	32,200		-109.200083	36.585528	11/5/2012	121838	1857.98	NMEA 0183	12	2	2
661002.261297	4050389.557454	32,200		-109.200310	36.585410	11/5/2012	121859	1858.66	NMEA 0183	12	2	2
661004.646418	4050385.420011	32,200		-109.200284	36.585373	11/5/2012	122027	1858.85	NMEA 0183	12	2	2
660988.618020	4050373.244948	32,200		-109.200466	36.585266	11/5/2012	122044	1859.53	NMEA 0183	12	2	2
660898.293753	4050318.229832	32,200		-109.201487	36.584785	11/5/2012	122546	1861.63	NMEA 0183	12	2	2
660922.200798	4050326.059327	32,200		-109.201218	36.584852	11/5/2012	122750	1861.32	NMEA 0183	12	2	2
660934.331695	4050345.798594	32,200		-109.201078	36.585027	11/5/2012	123006	1860.73	NMEA 0183	12	2	2
660940.936695	4050350.590811	32,200		-109.201003	36.585069	11/5/2012	123013	1860.77	NMEA 0183	12	2	2
660938.831251	4050351.981194	32,200		-109.201027	36.585082	11/5/2012	123021	1860.78	NMEA 0183	12	2	2
660934.966149	4050349.119534	32,200		-109.201070	36.585057	11/5/2012	123025	1860.84	NMEA 0183	12	2	2
660927.551379	4050343.598190	32,200		-109.201154	36.585009	11/5/2012	123035	1861.02	NMEA 0183	12	2	2
660924.372692	4050341.679770	32,200		-109.201190	36.584992	11/5/2012	123038	1861.19	NMEA 0183	12	2	2
660919.125831	4050338.124523	32,200		-109.201250	36.584961	11/5/2012	123043	1861.13	NMEA 0183	12	2	2
660944.695387	4050372.283847	32,200		-109.200957	36.585264	11/5/2012	123404	1860.60	NMEA 0183	12	2	2
660933.636007	4050368.061176	32,200		-109.201081	36.585228	11/5/2012	123613	1860.80	NMEA 0183	12	2	2
660981.266664	4050382.901310	32,200		-109.200546	36.585354	11/5/2012	123702	1860.00	NMEA 0183	12	2	2
660947.879693	4050360.355732	32,200		-109.200924	36.585156	11/5/2012	123848	1861.20	NMEA 0183	12	2	2
660939.764493	4050364.361875	32,200		-109.201014	36.585194	11/5/2012	123902	1861.01	NMEA 0183	12	2	2
660939.721108	4050366.281023	32,200		-109.201014	36.585211	11/5/2012	123915	1861.08	NMEA 0183	12	2	2
660949.739909	4050360.510786	32,200		-109.200903	36.585157	11/5/2012	123945	1861.08	NMEA 0183	12	2	2
660955.790324	4050352.934970	32,200		-109.200837	36.585088	11/5/2012	123953	1861.07	NMEA 0183	12	2	2
660955.512141	4050359.427662	32,200		-109.200839	36.585147	11/5/2012	124007	1861.08	NMEA 0183	12	2	2
660969.582926	4050378.485631	32,200		-109.200677	36.585316	11/5/2012	124201	1860.33	NMEA 0183	12	2	2
660977.915961	4050372.804092	32,200		-109.200586	36.585263	11/5/2012	124224	1860.51	NMEA 0183	12	2	2
661046.636776	4050340.619441	32,200		-109.199824	36.584962	11/6/2012	102241	1859.98	NMEA 0183	12	2	2
661036.531059	4050330.797043	32,200		-109.199939	36.584875	11/6/2012	102318	1859.83	NMEA 0183	12	2	2
661023.122881	4050323.354373	32,200		-109.200091	36.584810	11/6/2012	102356	1860.33	NMEA 0183	12	2	2
661018.530791	4050319.088105	32,200		-109.200143	36.584773	11/6/2012	102412	1860.46	NMEA 0183	12	2	2
661003.158149	4050304.230330	32,200		-109.200318	36.584641	11/6/2012	102505	1860.76	NMEA 0183	12	2	2
660920.916384	4050236.882943	32,200		-109.201251	36.584048	11/6/2012	103012	1863.54	NMEA 0183	12	2	2
660919.516256	4050234.859091	32,200		-109.201267	36.584030	11/6/2012	103022	1863.57	NMEA 0183	12	2	2
661058.870660	4050390.995127	32,200		-109.199677	36.585414	11/6/2012	105256	1858.59	NMEA 0183	12	2	2
661069.592114	4050384.109889	32,200		-109.199559	36.585350	11/6/2012	105345	1858.52	NMEA 0183	12	2	2
661070.948328	4050379.716427	32,200		-109.199545	36.585310	11/6/2012	105410	1858.51	NMEA 0183	12	2	2
661110.771210	4050399.255312	32,200		-109.199096	36.585479	11/6/2012	105645	1857.42	NMEA 0183	12	2	2
661110.779629	4050401.114393	32,200		-109.199095	36.585496	11/6/2012	105647	1857.43	NMEA 0183	12	2	2
661125.931019	4050413.909546	32,200		-109.198923	36.585609	11/6/2012	105736	1857.32	NMEA 0183	12	2	2
661117.365880	4050419.077935	32,200		-109.199018	36.585657	11/8/2012	104737	1857.32	NMEA 0183	12	2	2
661118.548129	4050419.431184	32,200		-109.199004	36.585660	11/8/2012	104836	1857.31	NMEA 0183	12	2	2
661130.579882	4050427.158963	32,200		-109.198868	36.585727	11/8/2012	105132	1856.88	NMEA 0183	12	2	2
661121.127959	4050461.099066	32,200		-109.198967	36.586035	11/8/2012	105427	1856.71	NMEA 0183	12	2	2
661129.630523	4050469.295261	32,200		-109.198870	36.586107	11/8/2012	105658	1856.22	NMEA 0183	12	2	2
661142.917503	4050457.482575	32,200		-109.198724	36.585999	11/8/2012	105715	1856.01	NMEA 0183	12	2	2
660902.714618	4050233.531012	32,200		-109.201455	36.584021	11/3/2012	140635	1863.57	NMEA 0183	12	2	2
660885.497125	4050230.112454	32,200		-109.201648	36.583993	11/3/2012	141212	1863.59	NMEA 0183	12	2	2
660887.442069	4050209.957836	32,200		-109.201630	36.583811	11/3/2012	142343	1864.17	NMEA 0183	12	2	2
660910.625571	4050241.399599	32,200		-109.201365	36.584091	11/3/2012	135958	1862.60	NMEA 0183	12	2	2
660890.441062	4050223.235409	32,200		-109.201594	36.583930	11/3/2012	141219	1863.72	NMEA 0183	12	2	2
660880.007967	4050320.891500	32,300		-109.201690	36.584812	11/3/2012	135020	1862.54	NMEA 0183	12	2	2
660909.079292	4050278.826514	32,300		-109.201374	36.584428	11/3/2012	135215	1862.96	NMEA 0183	12	2	2
660897.341186	4050294.443722	32,300		-109.201502	36.584571	11/3/2012	135231	1862.84	NMEA 0183	12	2	2
660885.666003	4050294.424996	32,300		-109.201633	36.584573	11/3/2012	135529	1862.78	NMEA 0183	12	2	2
660872.686548	4050304.558774	32,300		-109.201776	36.584666	11/3/2012	135838	1862.89	NMEA 0183	12	2	2
660869.001257	4050294.795687	32,300		-109.201819	36.584579	11/3/2012	140128	1862.86	NMEA 0183	12	2	2
660859.009942	4050302.125806	32,300		-109.201929	36.584647	11/3/2012	140349	1862.88	NMEA 0183	12	2	2
660860.807011	4050299.677171	32,300		-109.201909	36.584624	11/3/2012	140352	1862.85	NMEA 0183	12	2	2
660870.462983	4050267.538535	32,300		-109.201808	36.584333	11/3/2012	140945	1862.98	NMEA 0183	12	2	2
660877.907710	4050255.122269	32,300		-109.201728	36.584220	11/3/2012	140956	1862.92	NMEA 0183	12	2	2
660863.294127	4050267.045562	32,300		-109.201888	36.584330	11/3/2012	141127	1863.48	NMEA 0183	12	2	2
660867.638848	4050255.438782	32,300		-109.201842	36.584224	11/3/2012	141147	1863.48	NMEA 0183	12	2	2
660865.838857	4050246.961353	32,300		-109.201864	36.584148	11/3/2012	141254	1863.48	NMEA 0183	12	2	2
660861.113693	4050241.190752	32,300		-109.201918	36.584097	11/3/2012	141418	1863.77	NMEA 0183	12	2	2
660879.749440	4050211.783787	32,300		-109.201716	36.583829	11/3/2012	141458	1863.83	NMEA 0183	12	2	2
660870.819160	4050219.085659	32,300		-109.201814	36.583896	11/3/2012	141510	1863.83	NMEA 0183	12	2	2
660859.627405	4050218.338001	32,300		-109.201939	36.583892	11/3/2012	141622	1864.35	NMEA 0183	12	2	2
660862.435726	4050221.318574	32,300		-109.201907	36.583918	11/3/2012	141633	1864.15	NMEA 0183	12	2	2
660863.259432	4050203.923031	32,300		-109.201902	36.583761	11/3/2012	141702	1864.31	NMEA 0183	12	2	2
660858.982710	4050188.294679	32,300		-109.201953	36.583621	11/3/2012	141835	1864.54	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660855.417628	4050184.142055	32,300		-109.201994	36.583584	11/3/2012	141906	1864.66	NMEA 0183	12	2	2
660823.238768	4050169.920950	32,300		-109.202356	36.583461	11/3/2012	142009	1865.66	NMEA 0183	12	2	2
660876.483412	4050205.202582	32,300		-109.201754	36.583770	11/3/2012	142309	1864.03	NMEA 0183	12	2	2
661035.985159	4050419.587799	32,300		-109.199927	36.585675	11/5/2012	115158	1858.61	NMEA 0183	12	2	2
660989.068188	4050395.168305	32,300		-109.200456	36.585463	11/5/2012	115414	1859.29	NMEA 0183	12	2	2
661005.163653	4050407.662771	32,300		-109.200274	36.585573	11/5/2012	115508	1858.84	NMEA 0183	12	2	2
660999.903342	4050404.192303	32,300		-109.200333	36.585543	11/5/2012	115513	1858.96	NMEA 0183	12	2	2
661010.537782	4050414.135544	32,300		-109.200212	36.585630	11/5/2012	121416	1858.75	NMEA 0183	12	2	2
661019.434439	4050418.262322	32,300		-109.200112	36.585666	11/5/2012	121432	1858.71	NMEA 0183	12	2	2
661004.862674	4050409.954428	32,300		-109.200277	36.585594	11/5/2012	121446	1859.05	NMEA 0183	12	2	2
660994.217683	4050405.034710	32,300		-109.200397	36.585551	11/5/2012	121558	1858.97	NMEA 0183	12	2	2
661005.219865	4050401.156673	32,300		-109.200275	36.585514	11/5/2012	121641	1858.12	NMEA 0183	12	2	2
661006.980434	4050402.330893	32,300		-109.200255	36.585525	11/5/2012	121643	1858.13	NMEA 0183	12	2	2
661019.394839	4050407.315212	32,300		-109.200115	36.585567	11/5/2012	121710	1858.05	NMEA 0183	12	2	2
660994.175175	4050391.771757	32,300		-109.200400	36.585432	11/5/2012	121736	1858.70	NMEA 0183	12	2	2
660990.279672	4050389.260939	32,300		-109.200444	36.585410	11/5/2012	121740	1858.79	NMEA 0183	12	2	2
660988.384094	4050388.047201	32,300		-109.200465	36.585399	11/5/2012	121742	1858.87	NMEA 0183	12	2	2
661000.593448	4050393.229266	32,300		-109.200328	36.585444	11/5/2012	121802	1858.31	NMEA 0183	12	2	2
661003.732186	4050395.208007	32,300		-109.200292	36.585461	11/5/2012	121805	1858.33	NMEA 0183	12	2	2
661020.463481	4050406.009012	32,300		-109.200103	36.585555	11/5/2012	121821	1857.81	NMEA 0183	12	2	2
661027.840123	4050406.704000	32,300		-109.200021	36.585562	11/5/2012	121832	1857.84	NMEA 0183	12	2	2
660988.460679	4050380.213420	32,300		-109.200466	36.585328	11/5/2012	121913	1859.05	NMEA 0183	12	2	2
660939.197471	4050338.633414	32,300		-109.201025	36.584962	11/5/2012	122733	1861.25	NMEA 0183	12	2	2
660911.998367	4050318.527018	32,300		-109.201333	36.584785	11/5/2012	122800	1861.57	NMEA 0183	12	2	2
660933.996422	4050348.648212	32,300		-109.201081	36.585053	11/5/2012	123027	1860.96	NMEA 0183	12	2	2
660928.513347	4050344.324622	32,300		-109.201143	36.585015	11/5/2012	123034	1861.00	NMEA 0183	12	2	2
660931.188171	4050350.528551	32,300		-109.201112	36.585071	11/5/2012	123139	1861.00	NMEA 0183	12	2	2
660932.884267	4050354.829344	32,300		-109.201092	36.585109	11/5/2012	123150	1860.91	NMEA 0183	12	2	2
660922.805295	4050347.158755	32,300		-109.201207	36.585042	11/5/2012	123201	1861.12	NMEA 0183	12	2	2
660986.527726	4050381.712452	32,300		-109.200487	36.585342	11/5/2012	123447	1859.62	NMEA 0183	12	2	2
660986.995746	4050371.137387	32,300		-109.200484	36.585247	11/5/2012	123502	1859.85	NMEA 0183	12	2	2
660984.384095	4050370.006424	32,300		-109.200514	36.585237	11/5/2012	123505	1859.97	NMEA 0183	12	2	2
660966.233301	4050356.937115	32,300		-109.200719	36.585122	11/5/2012	123523	1860.34	NMEA 0183	12	2	2
660960.257325	4050352.489596	32,300		-109.200787	36.585083	11/5/2012	123529	1860.50	NMEA 0183	12	2	2
660956.315714	4050349.173324	32,300		-109.200832	36.585054	11/5/2012	123533	1860.45	NMEA 0183	12	2	2
660953.396071	4050346.884258	32,300		-109.200865	36.585034	11/5/2012	123536	1860.60	NMEA 0183	12	2	2
660941.898053	4050349.756108	32,300		-109.200993	36.585062	11/5/2012	123552	1860.83	NMEA 0183	12	2	2
660985.990315	4050375.679853	32,300		-109.200495	36.585288	11/5/2012	123710	1860.09	NMEA 0183	12	2	2
660957.016154	4050352.554691	32,300		-109.200823	36.585084	11/5/2012	123741	1860.90	NMEA 0183	12	2	2
660955.220046	4050351.046876	32,300		-109.200844	36.585071	11/5/2012	123743	1861.01	NMEA 0183	12	2	2
660948.694361	4050350.305065	32,300		-109.200917	36.585066	11/5/2012	123805	1860.79	NMEA 0183	12	2	2
660947.839850	4050355.312779	32,300		-109.200925	36.585111	11/5/2012	123819	1860.33	NMEA 0183	12	2	2
660955.819030	4050349.569103	32,300		-109.200837	36.585058	11/5/2012	123835	1861.13	NMEA 0183	12	2	2
660952.348016	4050356.014968	32,300		-109.200875	36.585116	11/5/2012	123842	1860.99	NMEA 0183	12	2	2
660940.138144	4050370.139848	32,300		-109.201008	36.585246	11/5/2012	123931	1860.99	NMEA 0183	12	2	2
660959.877948	4050352.595323	32,300		-109.200791	36.585084	11/5/2012	124000	1861.09	NMEA 0183	12	2	2
660961.648290	4050364.880700	32,300		-109.200769	36.585195	11/5/2012	124106	1860.77	NMEA 0183	12	2	2
660970.041664	4050366.732151	32,300		-109.200675	36.585210	11/5/2012	124140	1860.86	NMEA 0183	12	2	2
661044.595632	4050338.655695	32,300		-109.199848	36.584944	11/6/2012	102245	1859.79	NMEA 0183	12	2	2
661040.715369	4050338.834566	32,300		-109.199891	36.584947	11/6/2012	102256	1859.73	NMEA 0183	12	2	2
660963.595487	4050273.327034	32,300		-109.200766	36.584369	11/6/2012	102721	1862.14	NMEA 0183	12	2	2
661049.578821	4050405.414984	32,300		-109.199778	36.585545	11/6/2012	105145	1858.65	NMEA 0183	12	2	2
661051.167600	4050399.037477	32,300		-109.199762	36.585487	11/6/2012	105200	1858.66	NMEA 0183	12	2	2
661057.843570	4050394.701129	32,300		-109.199688	36.585447	11/6/2012	105236	1858.54	NMEA 0183	12	2	2
661055.905270	4050393.061150	32,300		-109.199710	36.585433	11/6/2012	105238	1858.58	NMEA 0183	12	2	2
661066.356848	4050375.500083	32,300		-109.199597	36.585273	11/6/2012	105405	1858.58	NMEA 0183	12	2	2
661104.273605	4050392.798413	32,300		-109.199170	36.585422	11/6/2012	105626	1857.49	NMEA 0183	12	2	2
661111.944552	4050397.298149	32,300		-109.199083	36.585461	11/6/2012	105643	1857.40	NMEA 0183	12	2	2
661116.529257	4050405.535585	32,300		-109.199030	36.585535	11/6/2012	105704	1857.62	NMEA 0183	12	2	2
661117.402079	4050406.162335	32,300		-109.199020	36.585540	11/6/2012	105705	1857.57	NMEA 0183	12	2	2
661124.605958	4050410.351833	32,300		-109.198939	36.585577	11/6/2012	105723	1857.36	NMEA 0183	12	2	2
661129.548757	4050409.589922	32,300		-109.198884	36.585569	11/6/2012	105731	1857.45	NMEA 0183	12	2	2
661127.188704	4050412.307254	32,300		-109.198909	36.585594	11/6/2012	105734	1857.27	NMEA 0183	12	2	2
661123.231803	4050418.248236	32,300		-109.198952	36.585648	11/8/2012	104731	1857.20	NMEA 0183	12	2	2
661126.777854	4050419.106357	32,300		-109.198913	36.585655	11/8/2012	104924	1857.44	NMEA 0183	12	2	2
661124.661285	4050466.216749	32,300		-109.198926	36.586080	11/8/2012	105542	1856.52	NMEA 0183	12	2	2
661142.661499	4050473.050191	32,300		-109.198724	36.586139	11/8/2012	105906	1856.76	NMEA 0183	12	2	2
661151.770914	4050461.125920	32,300		-109.198625	36.586030	11/8/2012	105919	1856.44	NMEA 0183	12	2	2
661149.283375	4050473.111428	32,300		-109.198650	36.586138	11/8/2012	105935	1856.45	NMEA 0183	12	2	2
661161.310108	4050460.651805	32,300		-109.198518	36.586024	11/8/2012	105950	1856.37	NMEA 0183	12	2	2
661162.778742	4050455.037827	32,300		-109.198503	36.585973	11/8/2012	110021	1856.19	NMEA 0183	12	2	2
660916.765915	4050242.888830	32,300		-109.201296	36.584103	11/3/2012	135628	1863.52	NMEA 0183	12	2	2
660894.945820	4050261.667102	32,300		-109.201536	36.584276	11/3/2012	140022	1863.05	NMEA 0183	12	2	2
660834.845133	4050170.517242	32,300		-109.202226	36.583465	11/3/2012	142056	1865.32	NMEA 0183	12	2	2
660832.959984	4050169.140966	32,300		-109.202248	36.583453	11/3/2012	142058	1865.40	NMEA 0183	12	2	2
660887.139916	4050210.878867	32,300		-109.201634	36.583820	11/3/2012	142256	1864.09	NMEA 0183	12	2	2
660884.785201	4050324.354699	32,400		-109.201636	36.584843	11/3/2012	134751	1862.55	NMEA 0183	12	2	2
660899.617927	4050299.443451	32,400		-109.201476	36.584616	11/3/2012	134817	1862.57	NMEA 0183	12	2	2
660888.591072	4050270.280480	32,400		-109.201605	36.584355	11/3/2012	140031	1863.01	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660863.202649	4050308.607816	32,400		-109.201881	36.584704	11/3/2012	140110	1862.89	NMEA 0183	12	2	2
660865.282715	4050296.376016	32,400		-109.201860	36.584594	11/3/2012	140336	1862.88	NMEA 0183	12	2	2
660864.702485	4050297.410224	32,400		-109.201866	36.584603	11/3/2012	140337	1862.86	NMEA 0183	12	2	2
660876.343947	4050272.923841	32,400		-109.201741	36.584381	11/3/2012	140519	1863.13	NMEA 0183	12	2	2
660879.106217	4050267.602234	32,400		-109.201712	36.584332	11/3/2012	140547	1863.12	NMEA 0183	12	2	2
660881.740818	4050264.240740	32,400		-109.201683	36.584301	11/3/2012	140602	1863.03	NMEA 0183	12	2	2
660856.069365	4050296.408943	32,400		-109.201963	36.584596	11/3/2012	140914	1862.87	NMEA 0183	12	2	2
660857.358420	4050291.453746	32,400		-109.201950	36.584551	11/3/2012	140922	1862.88	NMEA 0183	12	2	2
660871.102306	4050266.455492	32,400		-109.201801	36.584323	11/3/2012	140946	1863.04	NMEA 0183	12	2	2
660859.967023	4050269.310197	32,400		-109.201925	36.584351	11/3/2012	141132	1863.45	NMEA 0183	12	2	2
660871.335220	4050240.534856	32,400		-109.201804	36.584090	11/3/2012	141247	1863.43	NMEA 0183	12	2	2
660858.408317	4050244.587922	32,400		-109.201948	36.584128	11/3/2012	141422	1863.74	NMEA 0183	12	2	2
660872.085194	4050217.035867	32,400		-109.201801	36.583878	11/3/2012	141508	1863.77	NMEA 0183	12	2	2
660861.000646	4050222.836199	32,400		-109.201923	36.583932	11/3/2012	141631	1864.18	NMEA 0183	12	2	2
660861.345335	4050201.702757	32,400		-109.201924	36.583741	11/3/2012	141732	1864.37	NMEA 0183	12	2	2
660851.953371	4050202.028299	32,400		-109.202029	36.583746	11/3/2012	141814	1865.18	NMEA 0183	12	2	2
660859.914486	4050188.005067	32,400		-109.201943	36.583618	11/3/2012	141834	1864.65	NMEA 0183	12	2	2
660824.550503	4050172.046712	32,400		-109.202341	36.583480	11/3/2012	142108	1865.74	NMEA 0183	12	2	2
660882.232425	4050209.669833	32,400		-109.201689	36.583810	11/3/2012	142303	1864.05	NMEA 0183	12	2	2
661034.860550	4050425.554127	32,400		-109.199938	36.585729	11/5/2012	115308	1858.48	NMEA 0183	12	2	2
660993.107013	4050397.672558	32,400		-109.200411	36.585485	11/5/2012	115418	1859.20	NMEA 0183	12	2	2
661004.536280	4050404.682296	32,400		-109.200281	36.585546	11/5/2012	115429	1858.90	NMEA 0183	12	2	2
661007.514830	4050406.452725	32,400		-109.200248	36.585562	11/5/2012	115432	1858.90	NMEA 0183	12	2	2
661020.307292	4050419.923030	32,400		-109.200102	36.585681	11/5/2012	121426	1858.63	NMEA 0183	12	2	2
660980.598383	4050394.612024	32,400		-109.200551	36.585459	11/5/2012	121540	1859.35	NMEA 0183	12	2	2
660984.145115	4050391.929823	32,400		-109.200512	36.585435	11/5/2012	121614	1859.08	NMEA 0183	12	2	2
660986.433842	4050389.673537	32,400		-109.200487	36.585414	11/5/2012	121621	1858.68	NMEA 0183	12	2	2
661017.386397	4050406.313915	32,400		-109.200137	36.585559	11/5/2012	121712	1858.05	NMEA 0183	12	2	2
661008.432832	4050393.516655	32,400		-109.200240	36.585445	11/5/2012	121853	1858.40	NMEA 0183	12	2	2
661005.372083	4050391.435791	32,400		-109.200275	36.585427	11/5/2012	121856	1858.55	NMEA 0183	12	2	2
661002.385749	4050386.735334	32,400		-109.200309	36.585385	11/5/2012	121929	1858.69	NMEA 0183	12	2	2
661008.300601	4050390.780362	32,400		-109.200242	36.585420	11/5/2012	121935	1858.60	NMEA 0183	12	2	2
661014.441589	4050392.388060	32,400		-109.200173	36.585434	11/5/2012	122017	1858.33	NMEA 0183	12	2	2
661007.617668	4050387.580584	32,400		-109.200251	36.585392	11/5/2012	122024	1858.71	NMEA 0183	12	2	2
660920.246975	4050327.717056	32,400		-109.201239	36.584867	11/5/2012	122820	1861.27	NMEA 0183	12	2	2
660939.145654	4050349.290257	32,400		-109.201024	36.585058	11/5/2012	123011	1860.71	NMEA 0183	12	2	2
660909.348902	4050334.717550	32,400		-109.201360	36.584932	11/5/2012	123115	1861.33	NMEA 0183	12	2	2
660910.263432	4050335.428293	32,400		-109.201349	36.584938	11/5/2012	123116	1861.30	NMEA 0183	12	2	2
660897.325724	4050332.572568	32,400		-109.201494	36.584914	11/5/2012	123241	1861.77	NMEA 0183	12	2	2
660898.400428	4050333.093942	32,400		-109.201482	36.584919	11/5/2012	123242	1861.78	NMEA 0183	12	2	2
660903.739504	4050336.504778	32,400		-109.201422	36.584949	11/5/2012	123247	1861.63	NMEA 0183	12	2	2
660913.016120	4050342.414235	32,400		-109.201317	36.585001	11/5/2012	123256	1861.43	NMEA 0183	12	2	2
660929.570558	4050355.103955	32,400		-109.201129	36.585112	11/5/2012	123313	1861.00	NMEA 0183	12	2	2
660931.571567	4050370.687909	32,400		-109.201104	36.585252	11/5/2012	123332	1860.69	NMEA 0183	12	2	2
660943.154546	4050372.758112	32,400		-109.200974	36.585269	11/5/2012	123343	1860.50	NMEA 0183	12	2	2
660984.022872	4050385.951240	32,400		-109.200515	36.585381	11/5/2012	123443	1859.71	NMEA 0183	12	2	2
660947.303715	4050364.269954	32,400		-109.200929	36.585192	11/5/2012	123941	1860.81	NMEA 0183	12	2	2
660956.732891	4050357.486164	32,400		-109.200825	36.585129	11/5/2012	124005	1860.92	NMEA 0183	12	2	2
660968.723316	4050360.581350	32,400		-109.200691	36.585155	11/5/2012	124115	1860.77	NMEA 0183	12	2	2
661075.878095	4050364.045868	32,400		-109.199493	36.585168	11/6/2012	102038	1859.17	NMEA 0183	12	2	2
661043.691027	4050339.326829	32,400		-109.199858	36.584951	11/6/2012	102246	1859.83	NMEA 0183	12	2	2
661035.740930	4050330.134857	32,400		-109.199948	36.584869	11/6/2012	102319	1859.82	NMEA 0183	12	2	2
661006.540689	4050309.202708	32,400		-109.200279	36.584685	11/6/2012	102449	1860.59	NMEA 0183	12	2	2
661001.914930	4050301.954146	32,400		-109.200332	36.584621	11/6/2012	102508	1860.86	NMEA 0183	12	2	2
661101.206843	4050348.721100	32,400		-109.199204	36.585404	11/6/2012	105615	1857.55	NMEA 0183	12	2	2
661112.744946	4050396.456749	32,400		-109.199074	36.585454	11/6/2012	105642	1857.45	NMEA 0183	12	2	2
661118.310853	4050401.050219	32,400		-109.199011	36.585494	11/6/2012	105659	1857.55	NMEA 0183	12	2	2
661106.123403	4050438.562581	32,400		-109.199139	36.585834	11/8/2012	104859	1857.45	NMEA 0183	12	2	2
661119.548551	4050439.753812	32,400		-109.198989	36.585843	11/8/2012	105024	1857.04	NMEA 0183	12	2	2
661139.109283	4050429.468153	32,400		-109.198773	36.585747	11/8/2012	105313	1856.50	NMEA 0183	12	2	2
661128.565818	4050449.936954	32,400		-109.198886	36.585933	11/8/2012	105415	1856.68	NMEA 0183	12	2	2
661151.514189	4050435.033289	32,400		-109.198633	36.585795	11/8/2012	105617	1856.26	NMEA 0183	12	2	2
661150.575252	4050442.788023	32,400		-109.198642	36.585865	11/8/2012	105631	1856.13	NMEA 0183	12	2	2
661132.875480	4050470.219879	32,400		-109.198834	36.586115	11/8/2012	105702	1856.16	NMEA 0183	12	2	2
661142.051439	4050472.332180	32,400		-109.198731	36.586132	11/8/2012	105905	1856.73	NMEA 0183	12	2	2
661156.553086	4050459.462072	32,400		-109.198571	36.586014	11/8/2012	110036	1856.12	NMEA 0183	12	2	2
661167.491431	4050445.065791	32,400		-109.198452	36.585883	11/8/2012	110051	1856.28	NMEA 0183	12	2	2
660899.361702	4050231.833153	32,400		-109.201493	36.584006	11/3/2012	140809	1863.20	NMEA 0183	12	2	2
660841.299715	4050182.562816	32,400		-109.202152	36.583572	11/3/2012	142208	1865.43	NMEA 0183	12	2	2
660887.461590	4050209.871267	32,400		-109.201630	36.583811	11/3/2012	142341	1864.19	NMEA 0183	12	2	2
660887.439329	4050209.944837	32,400		-109.201630	36.583811	11/3/2012	142344	1864.17	NMEA 0183	12	2	2
660908.810959	4050216.748014	32,400		-109.201385	36.584112	11/3/2012	140001	1862.86	NMEA 0183	12	2	2
660844.482327	4050183.717360	32,400		-109.202116	36.583582	11/3/2012	142211	1865.36	NMEA 0183	12	2	2
660882.653516	4050320.132700	32,500		-109.201661	36.584805	11/3/2012	135011	1862.58	NMEA 0183	12	2	2
660880.448597	4050320.222766	32,500		-109.201686	36.584806	11/3/2012	135021	1862.61	NMEA 0183	12	2	2
660881.115225	4050319.513868	32,500		-109.201678	36.584800	11/3/2012	135022	1862.61	NMEA 0183	12	2	2
660888.394511	4050307.088968	32,500		-109.201599	36.584686	11/3/2012	135244	1862.94	NMEA 0183	12	2	2
660894.914605	4050287.088406	32,500		-109.201531	36.584505	11/3/2012	135429	1862.89	NMEA 0183	12	2	2
660877.366987	4050312.477865	32,500		-109.201722	36.584737	11/3/2012	135454	1862.98	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660891.263150	4050285.960210	32,500		-109.201572	36.584496	11/3/2012	135537	1862.76	NMEA 0183	12	2	2
660895.567334	4050279.629797	32,500		-109.201525	36.584438	11/3/2012	135543	1862.91	NMEA 0183	12	2	2
660881.141621	4050291.637961	32,500		-109.201684	36.584548	11/3/2012	135826	1862.90	NMEA 0183	12	2	2
660874.135638	4050291.210914	32,500		-109.201762	36.584546	11/3/2012	140052	1863.00	NMEA 0183	12	2	2
660863.787688	4050302.612880	32,500		-109.201875	36.584650	11/3/2012	140120	1862.86	NMEA 0183	12	2	2
660867.659250	4050296.760823	32,500		-109.201833	36.584597	11/3/2012	140126	1862.81	NMEA 0183	12	2	2
660882.495245	4050276.377605	32,500		-109.201672	36.584411	11/3/2012	140147	1862.59	NMEA 0183	12	2	2
660887.751564	4050268.429895	32,500		-109.201615	36.584338	11/3/2012	140155	1862.88	NMEA 0183	12	2	2
660893.258142	4050254.762139	32,500		-109.201556	36.584214	11/3/2012	140256	1863.19	NMEA 0183	12	2	2
660865.363527	4050291.897624	32,500		-109.201860	36.584553	11/3/2012	140400	1862.85	NMEA 0183	12	2	2
660875.424593	4050266.730585	32,500		-109.201753	36.584325	11/3/2012	140844	1863.02	NMEA 0183	12	2	2
660860.811219	4050290.602762	32,500		-109.201911	36.584542	11/3/2012	140907	1862.97	NMEA 0183	12	2	2
660875.269827	4050259.615702	32,500		-109.201756	36.584261	11/3/2012	140952	1863.04	NMEA 0183	12	2	2
660870.114366	4050256.593055	32,500		-109.201814	36.584234	11/3/2012	141117	1863.30	NMEA 0183	12	2	2
660860.705552	4050266.512514	32,500		-109.201917	36.584325	11/3/2012	141135	1863.41	NMEA 0183	12	2	2
660864.353397	4050261.057649	32,500		-109.201878	36.584276	11/3/2012	141141	1863.56	NMEA 0183	12	2	2
660870.687478	4050251.315568	32,500		-109.201809	36.584187	11/3/2012	141151	1863.48	NMEA 0183	12	2	2
660867.738115	4050232.275355	32,500		-109.201846	36.584016	11/3/2012	141409	1863.67	NMEA 0183	12	2	2
660871.725878	4050222.367295	32,500		-109.201803	36.583926	11/3/2012	141447	1863.61	NMEA 0183	12	2	2
660865.160064	4050227.671378	32,500		-109.201876	36.583975	11/3/2012	141518	1863.98	NMEA 0183	12	2	2
660858.896311	4050219.223263	32,500		-109.201947	36.583900	11/3/2012	141623	1864.28	NMEA 0183	12	2	2
660861.848012	4050205.690804	32,500		-109.201917	36.583777	11/3/2012	141704	1864.52	NMEA 0183	12	2	2
661025.149124	4050421.922581	32,500		-109.200047	36.585698	11/5/2012	115249	1858.57	NMEA 0183	12	2	2
661022.734037	4050420.332869	32,500		-109.200075	36.585684	11/5/2012	115252	1858.70	NMEA 0183	12	2	2
661022.344658	4050415.557117	32,500		-109.200080	36.585641	11/5/2012	115323	1858.68	NMEA 0183	12	2	2
660992.679241	4050394.627384	32,500		-109.200416	36.585458	11/5/2012	115355	1859.09	NMEA 0183	12	2	2
660992.475711	4050399.362435	32,500		-109.200417	36.585500	11/5/2012	115520	1859.13	NMEA 0183	12	2	2
660995.038897	4050403.877396	32,500		-109.200388	36.585541	11/5/2012	121359	1858.90	NMEA 0183	12	2	2
660988.824664	4050407.933888	32,500		-109.200456	36.585578	11/5/2012	121518	1859.26	NMEA 0183	12	2	2
660987.916800	4050408.222084	32,500		-109.200466	36.585581	11/5/2012	121523	1859.21	NMEA 0183	12	2	2
660982.625839	4050396.908439	32,500		-109.200528	36.585480	11/5/2012	121537	1859.30	NMEA 0183	12	2	2
660995.979306	4050395.478993	32,500		-109.200379	36.585465	11/5/2012	121631	1858.40	NMEA 0183	12	2	2
661000.628263	4050398.220336	32,500		-109.200326	36.585489	11/5/2012	121636	1858.28	NMEA 0183	12	2	2
661015.528209	4050405.095322	32,500		-109.200159	36.585548	11/5/2012	121714	1858.08	NMEA 0183	12	2	2
661013.678236	4050403.756654	32,500		-109.200179	36.585536	11/5/2012	121716	1858.11	NMEA 0183	12	2	2
661010.742477	4050401.851997	32,500		-109.200213	36.585520	11/5/2012	121719	1858.16	NMEA 0183	12	2	2
661006.470601	4050392.118547	32,500		-109.200262	36.585433	11/5/2012	121855	1858.57	NMEA 0183	12	2	2
660997.278021	4050386.188360	32,500		-109.200366	36.585381	11/5/2012	121904	1858.85	NMEA 0183	12	2	2
660994.100895	4050384.427163	32,500		-109.200402	36.585365	11/5/2012	121907	1859.00	NMEA 0183	12	2	2
660990.334898	4050381.452653	32,500		-109.200445	36.585339	11/5/2012	121911	1859.06	NMEA 0183	12	2	2
661027.152350	4050403.929484	32,500		-109.200029	36.585536	11/5/2012	121954	1858.14	NMEA 0183	12	2	2
661013.335441	4050391.634872	32,500		-109.200186	36.585427	11/5/2012	122018	1858.43	NMEA 0183	12	2	2
660909.350093	4050315.286767	32,500		-109.201364	36.584757	11/5/2012	122519	1861.61	NMEA 0183	12	2	2
660912.305966	4050322.176629	32,500		-109.201329	36.584818	11/5/2012	122812	1861.46	NMEA 0183	12	2	2
660927.549874	4050332.760932	32,500		-109.201157	36.584911	11/5/2012	122827	1861.32	NMEA 0183	12	2	2
660908.274345	4050321.834819	32,500		-109.201374	36.584816	11/5/2012	122925	1861.70	NMEA 0183	12	2	2
660925.584499	4050349.459978	32,500		-109.201175	36.585062	11/5/2012	123158	1860.96	NMEA 0183	12	2	2
660895.347682	4050331.140897	32,500		-109.201517	36.584902	11/5/2012	123239	1861.80	NMEA 0183	12	2	2
660945.638027	4050372.767611	32,500		-109.200946	36.585269	11/5/2012	123405	1860.60	NMEA 0183	12	2	2
660967.028063	4050381.252997	32,500		-109.200705	36.585341	11/5/2012	123424	1860.08	NMEA 0183	12	2	2
660985.374039	4050360.562346	32,500		-109.200503	36.585243	11/5/2012	123504	1859.90	NMEA 0183	12	2	2
660982.043841	4050381.865248	32,500		-109.200537	36.585344	11/5/2012	123703	1860.10	NMEA 0183	12	2	2
660966.484313	4050359.464769	32,500		-109.200716	36.585145	11/5/2012	123731	1860.56	NMEA 0183	12	2	2
660952.901634	4050349.151949	32,500		-109.200870	36.585054	11/5/2012	123812	1860.83	NMEA 0183	12	2	2
660957.904989	4050355.935697	32,500		-109.200813	36.585112	11/5/2012	124003	1860.78	NMEA 0183	12	2	2
660950.454799	4050370.769506	32,500		-109.200893	36.585250	11/5/2012	124021	1861.24	NMEA 0183	12	2	2
660955.849668	4050361.636941	32,500		-109.200834	36.585167	11/5/2012	124030	1861.06	NMEA 0183	12	2	2
660956.447070	4050270.209048	32,500		-109.200828	36.585157	11/5/2012	124031	1860.89	NMEA 0183	12	2	2
660956.237869	4050366.238796	32,500		-109.200829	36.585208	11/5/2012	124052	1861.07	NMEA 0183	12	2	2
660975.522728	4050376.737927	32,500		-109.200611	36.585299	11/5/2012	124228	1860.32	NMEA 0183	12	2	2
660973.461647	4050379.582975	32,500		-109.200634	36.585325	11/5/2012	124231	1860.30	NMEA 0183	12	2	2
660979.235675	4050378.562790	32,500		-109.200570	36.585315	11/5/2012	124243	1860.16	NMEA 0183	12	2	2
661069.811036	4050362.790949	32,500		-109.199561	36.585158	11/6/2012	102106	1859.18	NMEA 0183	12	2	2
661050.674252	4050344.311185	32,500		-109.199779	36.584994	11/6/2012	102223	1859.79	NMEA 0183	12	2	2
661045.601126	4050338.411877	32,500		-109.199836	36.584942	11/6/2012	102244	1859.78	NMEA 0183	12	2	2
661028.750411	4050326.892769	32,500		-109.200027	36.584841	11/6/2012	102339	1860.25	NMEA 0183	12	2	2
661016.262557	4050314.354852	32,500		-109.200169	36.584730	11/6/2012	102424	1860.53	NMEA 0183	12	2	2
660962.149844	4050270.209048	32,500		-109.200783	36.584342	11/6/2012	102734	1862.18	NMEA 0183	12	2	2
661084.220575	4050381.191433	32,500		-109.199396	36.585321	11/6/2012	105454	1857.97	NMEA 0183	12	2	2
661084.840428	4050374.222377	32,500		-109.199391	36.585258	11/6/2012	105516	1858.07	NMEA 0183	12	2	2
661103.594221	4050394.744487	32,500		-109.199177	36.585440	11/6/2012	105628	1857.46	NMEA 0183	12	2	2
661123.302787	4050402.203638	32,500		-109.198955	36.585504	11/6/2012	105712	1857.51	NMEA 0183	12	2	2
661125.474537	4050415.502809	32,500		-109.198928	36.585623	11/8/2012	104728	1857.21	NMEA 0183	12	2	2
661114.506021	4050419.571842	32,500		-109.199050	36.585662	11/8/2012	104740	1857.32	NMEA 0183	12	2	2
661131.901265	4050413.642260	32,500		-109.198856	36.585605	11/8/2012	104930	1857.41	NMEA 0183	12	2	2
661118.263471	4050435.893503	32,500		-109.199004	36.585808	11/8/2012	105016	1857.18	NMEA 0183	12	2	2
661113.029560	4050451.075577	32,500		-109.199059	36.585946	11/8/2012	105038	1857.05	NMEA 0183	12	2	2
661136.140775	4050420.399047	32,500		-109.198808	36.585666	11/8/2012	105125	1856.86	NMEA 0183	12	2	2
661124.291751	4050435.473776	32,500		-109.198937	36.585803	11/8/2012	105141	1857.01	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661118.414457	4050453.864073	32,500		-109.198999	36.585970	11/8/2012	105240	1856.83	NMEA 0183	12	2	2
661147.180391	4050447.074823	32,500		-109.198679	36.585904	11/8/2012	105635	1856.12	NMEA 0183	12	2	2
661144.327924	4050460.942009	32,500		-109.198708	36.586029	11/8/2012	105805	1856.24	NMEA 0183	12	2	2
661146.647271	4050469.865775	32,500		-109.198680	36.586109	11/8/2012	105911	1856.55	NMEA 0183	12	2	2
661164.230273	4050444.129758	32,500		-109.198489	36.585875	11/8/2012	110059	1856.33	NMEA 0183	12	2	2
660910.600570	4050249.430406	32,500		-109.201363	36.584163	11/3/2012	135636	1863.16	NMEA 0183	12	2	2
660840.809912	4050186.258544	32,500		-109.202156	36.583606	11/3/2012	142126	1865.29	NMEA 0183	12	2	2
660909.436289	4050242.934764	32,500		-109.201378	36.584105	11/3/2012	140000	1862.65	NMEA 0183	12	2	2
660899.878946	4050231.215795	32,500		-109.201487	36.584001	11/3/2012	140808	1863.19	NMEA 0183	12	2	2
660903.642456	4050297.295466	32,600		-109.201431	36.584596	11/3/2012	134721	1862.46	NMEA 0183	12	2	2
660891.600099	4050296.411612	32,600		-109.201566	36.584590	11/3/2012	135043	1862.65	NMEA 0183	12	2	2
660896.264792	4050287.396674	32,600		-109.201516	36.584508	11/3/2012	135051	1862.94	NMEA 0183	12	2	2
660910.861308	4050270.488251	32,600		-109.201356	36.584353	11/3/2012	135322	1863.73	NMEA 0183	12	2	2
660897.074626	4050277.601171	32,600		-109.201509	36.584419	11/3/2012	135545	1862.93	NMEA 0183	12	2	2
660881.935988	4050280.595489	32,600		-109.201677	36.584449	11/3/2012	140041	1862.89	NMEA 0183	12	2	2
660864.948446	4050304.992930	32,600		-109.201862	36.584671	11/3/2012	140106	1862.90	NMEA 0183	12	2	2
660878.342010	4050275.040260	32,600		-109.201718	36.584399	11/3/2012	140316	1862.93	NMEA 0183	12	2	2
660870.349866	4050283.549024	32,600		-109.201806	36.584477	11/3/2012	140430	1862.98	NMEA 0183	12	2	2
660869.885546	4050252.399267	32,600		-109.201818	36.584197	11/3/2012	141150	1863.51	NMEA 0183	12	2	2
660872.071650	4050249.090418	32,600		-109.201794	36.584167	11/3/2012	141153	1863.41	NMEA 0183	12	2	2
660859.739295	4050255.702777	32,600		-109.201930	36.584227	11/3/2012	141303	1863.60	NMEA 0183	12	2	2
660875.023297	4050230.778411	32,600		-109.201765	36.584001	11/3/2012	141331	1863.50	NMEA 0183	12	2	2
660864.449474	4050228.736440	32,600		-109.201883	36.583984	11/3/2012	141519	1864.00	NMEA 0183	12	2	2
660865.808058	4050222.696788	32,600		-109.201869	36.583930	11/3/2012	141548	1864.19	NMEA 0183	12	2	2
660852.998998	4050200.277727	32,600		-109.202017	36.583730	11/3/2012	141816	1865.33	NMEA 0183	12	2	2
660850.063885	4050192.193392	32,600		-109.202052	36.583658	11/3/2012	141858	1864.87	NMEA 0183	12	2	2
660832.737645	4050167.470253	32,600		-109.202251	36.583438	11/3/2012	141957	1865.38	NMEA 0183	12	2	2
661055.485259	4050408.394477	32,600		-109.199711	36.585571	11/5/2012	114937	1858.67	NMEA 0183	12	2	2
661020.747009	4050421.294475	32,600		-109.200097	36.585693	11/5/2012	115223	1858.63	NMEA 0183	12	2	2
661021.801610	4050422.967836	32,600		-109.200085	36.585708	11/5/2012	115225	1858.61	NMEA 0183	12	2	2
661032.177190	4050423.713380	32,600		-109.199969	36.585713	11/5/2012	115303	1858.51	NMEA 0183	12	2	2
661014.684798	4050408.950892	32,600		-109.200167	36.585583	11/5/2012	115332	1858.77	NMEA 0183	12	2	2
660988.072074	4050394.513364	32,600		-109.200467	36.585457	11/5/2012	115413	1859.29	NMEA 0183	12	2	2
660996.613097	4050402.179281	32,600		-109.200370	36.585525	11/5/2012	115516	1858.99	NMEA 0183	12	2	2
661007.485232	4050412.334132	32,600		-109.200247	36.585615	11/5/2012	121413	1858.82	NMEA 0183	12	2	2
661021.647569	4050420.122003	32,600		-109.200087	36.585682	11/5/2012	121429	1858.64	NMEA 0183	12	2	2
660993.841794	4050407.025318	32,600		-109.200400	36.585569	11/5/2012	121456	1859.21	NMEA 0183	12	2	2
660988.684472	4050404.135904	32,600		-109.200458	36.585571	11/5/2012	121517	1859.27	NMEA 0183	12	2	2
660988.976051	4050397.698782	32,600		-109.200457	36.585486	11/5/2012	121608	1859.00	NMEA 0183	12	2	2
660996.912236	4050396.162347	32,600		-109.200368	36.585471	11/5/2012	121632	1858.31	NMEA 0183	12	2	2
661009.830773	4050401.230079	32,600		-109.200223	36.585514	11/5/2012	121720	1858.19	NMEA 0183	12	2	2
661016.283667	4050403.546497	32,600		-109.200150	36.585534	11/5/2012	121817	1858.01	NMEA 0183	12	2	2
661017.323610	4050404.170817	32,600		-109.200139	36.585539	11/5/2012	121818	1857.87	NMEA 0183	12	2	2
661009.337187	4050394.212422	32,600		-109.200230	36.585451	11/5/2012	121852	1858.44	NMEA 0183	12	2	2
660989.352065	4050380.805360	32,600		-109.200456	36.585334	11/5/2012	121912	1859.00	NMEA 0183	12	2	2
660991.485975	4050379.169516	32,600		-109.200433	36.585318	11/5/2012	121918	1858.98	NMEA 0183	12	2	2
661017.470916	4050397.102274	32,600		-109.200138	36.585476	11/5/2012	121944	1858.25	NMEA 0183	12	2	2
661028.047405	4050404.484504	32,600		-109.200019	36.585540	11/5/2012	121955	1858.21	NMEA 0183	12	2	2
660998.499386	4050381.187520	32,600		-109.200354	36.585335	11/5/2012	122033	1859.15	NMEA 0183	12	2	2
660996.609144	4050379.848102	32,600		-109.200375	36.585324	11/5/2012	122035	1859.13	NMEA 0183	12	2	2
660908.296761	4050319.521298	32,600		-109.201375	36.584795	11/5/2012	122808	1861.59	NMEA 0183	12	2	2
660907.241179	4050321.166247	32,600		-109.201386	36.584810	11/5/2012	122926	1861.69	NMEA 0183	12	2	2
660907.511868	4050326.230166	32,600		-109.201382	36.584856	11/5/2012	122939	1861.42	NMEA 0183	12	2	2
660921.156362	4050343.047514	32,600		-109.201226	36.585005	11/5/2012	123128	1861.22	NMEA 0183	12	2	2
660930.223567	4050345.783573	32,600		-109.201123	36.585064	11/5/2012	123138	1860.95	NMEA 0183	12	2	2
660892.675914	4050326.684977	32,600		-109.201548	36.584862	11/5/2012	123233	1861.89	NMEA 0183	12	2	2
660901.574687	4050335.089956	32,600		-109.201446	36.584936	11/5/2012	123245	1861.66	NMEA 0183	12	2	2
660936.834364	4050359.684691	32,600		-109.201047	36.585152	11/5/2012	123320	1860.78	NMEA 0183	12	2	2
660951.463604	4050345.329499	32,600		-109.200887	36.585020	11/5/2012	123538	1860.55	NMEA 0183	12	2	2
660985.289167	4050374.886162	32,600		-109.200503	36.585281	11/5/2012	123711	1860.15	NMEA 0183	12	2	2
660982.642566	4050372.753872	32,600		-109.200533	36.585262	11/5/2012	123714	1860.33	NMEA 0183	12	2	2
660967.560681	4050360.215543	32,600		-109.200704	36.585152	11/5/2012	123730	1860.51	NMEA 0183	12	2	2
660948.533013	4050348.565202	32,600		-109.200919	36.585050	11/5/2012	123750	1860.82	NMEA 0183	12	2	2
660947.053594	4050350.379780	32,600		-109.200935	36.585067	11/5/2012	123752	1860.79	NMEA 0183	12	2	2
660948.752818	4050360.249999	32,600		-109.200914	36.585155	11/5/2012	123847	1861.18	NMEA 0183	12	2	2
660938.347561	4050365.946414	32,600		-109.201029	36.585208	11/5/2012	123904	1861.19	NMEA 0183	12	2	2
660936.366375	4050369.384862	32,600		-109.201050	36.585240	11/5/2012	123911	1861.27	NMEA 0183	12	2	2
660965.560246	4050360.697846	32,600		-109.200726	36.585156	11/5/2012	124111	1860.73	NMEA 0183	12	2	2
660974.877640	4050377.730220	32,600		-109.200618	36.585308	11/5/2012	124229	1860.23	NMEA 0183	12	2	2
661053.516235	4050346.922523	32,600		-109.199746	36.585017	11/6/2012	102209	1859.84	NMEA 0183	12	2	2
661041.977925	4050335.219908	32,600		-109.199878	36.584914	11/6/2012	102300	1859.71	NMEA 0183	12	2	2
661034.748082	4050329.942391	32,600		-109.199959	36.584868	11/6/2012	102320	1859.85	NMEA 0183	12	2	2
661029.506832	4050326.089382	32,600		-109.200019	36.584834	11/6/2012	102338	1860.20	NMEA 0183	12	2	2
660941.566950	4050256.043660	32,600		-109.201016	36.584217	11/6/2012	102853	1862.56	NMEA 0183	12	2	2
660932.817269	4050249.234001	32,600		-109.201115	36.584158	11/6/2012	102923	1862.95	NMEA 0183	12	2	2
661133.211487	4050411.942920	32,600		-109.198842	36.585590	11/8/2012	104718	1857.35	NMEA 0183	12	2	2
661105.137784	4050431.537543	32,600		-109.199152	36.585771	11/8/2012	104754	1857.59	NMEA 0183	12	2	2
661108.899997	4050438.372307	32,600		-109.199108	36.585832	11/8/2012	104902	1857.40	NMEA 0183	12	2	2
661123.113145	4050435.164987	32,600		-109.198950	36.585801	11/8/2012	105055	1856.93	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661130.399760	4050467.410062	32,600		-109.198862	36.586090	11/8/2012	105656	1856.26	NMEA 0183	12	2	2
661156.423318	4050443.467348	32,600		-109.198576	36.585870	11/8/2012	105748	1856.14	NMEA 0183	12	2	2
661153.119806	4050452.589059	32,600		-109.198611	36.585953	11/8/2012	105839	1856.15	NMEA 0183	12	2	2
661159.916455	4050462.743557	32,600		-109.198533	36.586043	11/8/2012	105948	1856.35	NMEA 0183	12	2	2
661161.991468	4050453.190040	32,600		-109.198512	36.585957	11/8/2012	110043	1856.24	NMEA 0183	12	2	2
660896.994686	4050263.778927	32,600		-109.201512	36.584295	11/3/2012	135927	1863.13	NMEA 0183	12	2	2
660902.722700	4050233.577405	32,600		-109.201455	36.584022	11/3/2012	140644	1863.42	NMEA 0183	12	2	2
660901.503457	4050230.815223	32,600		-109.201469	36.583997	11/3/2012	140806	1863.12	NMEA 0183	12	2	2
660898.642356	4050232.568808	32,600		-109.201501	36.584013	11/3/2012	140810	1863.17	NMEA 0183	12	2	2
660908.075185	4050295.972677	32,700		-109.201382	36.584583	11/3/2012	134554	1862.58	NMEA 0183	12	2	2
660897.719729	4050305.461902	32,700		-109.201496	36.584670	11/3/2012	134729	1862.50	NMEA 0183	12	2	2
660885.344095	4050324.779484	32,700		-109.201630	36.584846	11/3/2012	134750	1862.52	NMEA 0183	12	2	2
660904.296124	4050292.337631	32,700		-109.201425	36.584551	11/3/2012	134824	1862.71	NMEA 0183	12	2	2
660888.098429	4050311.352469	32,700		-109.201602	36.584725	11/3/2012	135001	1862.82	NMEA 0183	12	2	2
660882.865188	4050319.184080	32,700		-109.201659	36.584796	11/3/2012	135010	1862.63	NMEA 0183	12	2	2
660880.010091	4050321.096853	32,700		-109.201690	36.584814	11/3/2012	135018	1862.58	NMEA 0183	12	2	2
660882.309840	4050316.497213	32,700		-109.201665	36.584772	11/3/2012	135025	1862.77	NMEA 0183	12	2	2
660889.717071	4050305.206706	32,700		-109.201585	36.584669	11/3/2012	135242	1863.02	NMEA 0183	12	2	2
660876.142793	4050315.481020	32,700		-109.201735	36.584764	11/3/2012	135457	1863.04	NMEA 0183	12	2	2
660869.293521	4050309.789044	32,700		-109.201812	36.584714	11/3/2012	135746	1862.98	NMEA 0183	12	2	2
660884.987265	4050281.751292	32,700		-109.201643	36.584459	11/3/2012	135909	1862.69	NMEA 0183	12	2	2
660883.346595	4050278.631638	32,700		-109.201662	36.584431	11/3/2012	140039	1862.82	NMEA 0183	12	2	2
660863.205030	4050304.414656	32,700		-109.201881	36.584667	11/3/2012	140118	1862.94	NMEA 0183	12	2	2
660869.878173	4050284.442837	32,700		-109.201811	36.584485	11/3/2012	140409	1862.94	NMEA 0183	12	2	2
660876.343739	4050272.934935	32,700		-109.201741	36.584381	11/3/2012	140523	1863.13	NMEA 0183	12	2	2
660879.063388	4050267.579236	32,700		-109.201712	36.584332	11/3/2012	140550	1863.07	NMEA 0183	12	2	2
660882.545844	4050263.310622	32,700		-109.201674	36.584293	11/3/2012	140603	1863.02	NMEA 0183	12	2	2
660866.874815	4050261.911283	32,700		-109.201849	36.584283	11/3/2012	141122	1863.34	NMEA 0183	12	2	2
660872.816748	4050248.094439	32,700		-109.201786	36.584157	11/3/2012	141154	1863.46	NMEA 0183	12	2	2
660863.727791	4050250.086641	32,700		-109.201887	36.584177	11/3/2012	141257	1863.54	NMEA 0183	12	2	2
660863.057873	4050250.971197	32,700		-109.201894	36.584185	11/3/2012	141258	1863.59	NMEA 0183	12	2	2
660860.487730	4050254.794470	32,700		-109.201922	36.584220	11/3/2012	141302	1863.64	NMEA 0183	12	2	2
660861.531361	4050248.845108	32,700		-109.201912	36.584166	11/3/2012	141313	1863.70	NMEA 0183	12	2	2
660871.870264	4050234.661062	32,700		-109.201799	36.584037	11/3/2012	141327	1863.55	NMEA 0183	12	2	2
660862.636526	4050235.461218	32,700		-109.201902	36.584045	11/3/2012	141434	1863.41	NMEA 0183	12	2	2
660865.713500	4050231.497605	32,700		-109.201869	36.584009	11/3/2012	141438	1863.62	NMEA 0183	12	2	2
660860.155657	4050234.991226	32,700		-109.201930	36.584041	11/3/2012	141525	1864.09	NMEA 0183	12	2	2
660855.787263	4050187.746581	32,700		-109.201989	36.583617	11/3/2012	141838	1864.51	NMEA 0183	12	2	2
660854.222365	4050185.997109	32,700		-109.202007	36.583601	11/3/2012	141904	1864.43	NMEA 0183	12	2	2
660854.822854	4050184.996573	32,700		-109.202000	36.583592	11/3/2012	141905	1864.55	NMEA 0183	12	2	2
660841.955566	4050192.078694	32,700		-109.202142	36.583658	11/3/2012	141927	1865.08	NMEA 0183	12	2	2
661032.931461	4050426.209770	32,700		-109.199960	36.585735	11/5/2012	115241	1858.46	NMEA 0183	12	2	2
661027.206785	4050420.694096	32,700		-109.200025	36.585687	11/5/2012	115258	1858.61	NMEA 0183	12	2	2
661025.347620	4050417.616560	32,700		-109.200046	36.585659	11/5/2012	115320	1858.61	NMEA 0183	12	2	2
661008.082627	4050404.330686	32,700		-109.200242	36.585542	11/5/2012	115339	1858.88	NMEA 0183	12	2	2
661005.430537	4050402.571919	32,700		-109.200272	36.585527	11/5/2012	115342	1858.96	NMEA 0183	12	2	2
661001.790665	4050400.430268	32,700		-109.200313	36.585508	11/5/2012	115346	1858.91	NMEA 0183	12	2	2
660999.742194	4050399.176671	32,700		-109.200336	36.585497	11/5/2012	115348	1859.01	NMEA 0183	12	2	2
660983.777755	4050389.083696	32,700		-109.200517	36.585409	11/5/2012	115404	1859.32	NMEA 0183	12	2	2
661013.741553	4050410.252043	32,700		-109.200177	36.585595	11/5/2012	115438	1858.67	NMEA 0183	12	2	2
661023.748149	4050417.000254	32,700		-109.200064	36.585654	11/5/2012	115449	1858.48	NMEA 0183	12	2	2
660998.535970	4050406.156944	32,700		-109.200348	36.585560	11/5/2012	121403	1858.93	NMEA 0183	12	2	2
661011.250601	4050413.270299	32,700		-109.200205	36.585622	11/5/2012	121440	1858.73	NMEA 0183	12	2	2
660981.151444	4050393.913955	32,700		-109.200545	36.585453	11/5/2012	121541	1859.35	NMEA 0183	12	2	2
660982.031026	4050394.100595	32,700		-109.200535	36.585455	11/5/2012	121542	1859.30	NMEA 0183	12	2	2
661007.865090	4050402.963402	32,700		-109.200245	36.585530	11/5/2012	121644	1858.02	NMEA 0183	12	2	2
661022.745300	4050411.608169	32,700		-109.200076	36.585605	11/5/2012	121659	1857.95	NMEA 0183	12	2	2
660990.071561	4050386.593513	32,700		-109.200447	36.585386	11/5/2012	121752	1858.90	NMEA 0183	12	2	2
661002.654752	4050394.514548	32,700		-109.200305	36.585455	11/5/2012	121804	1858.30	NMEA 0183	12	2	2
661010.110955	4050399.252476	32,700		-109.200220	36.585496	11/5/2012	121811	1858.10	NMEA 0183	12	2	2
661018.349643	4050404.661701	32,700		-109.200127	36.585544	11/5/2012	121819	1857.89	NMEA 0183	12	2	2
661025.335410	4050408.950610	32,700		-109.200048	36.585581	11/5/2012	121826	1857.80	NMEA 0183	12	2	2
661000.272676	4050388.214343	32,700		-109.200332	36.585398	11/5/2012	121901	1858.63	NMEA 0183	12	2	2
661010.355457	4050392.170957	32,700		-109.200219	36.585432	11/5/2012	121937	1858.64	NMEA 0183	12	2	2
661010.662673	4050389.626011	32,700		-109.200216	36.585409	11/5/2012	122021	1858.71	NMEA 0183	12	2	2
660905.331556	4050311.774866	32,700		-109.201409	36.584726	11/5/2012	122605	1861.76	NMEA 0183	12	2	2
660924.901022	4050323.893963	32,700		-109.201188	36.584832	11/5/2012	122655	1861.36	NMEA 0183	12	2	2
660948.814033	4050345.107876	32,700		-109.200916	36.585019	11/5/2012	122723	1860.79	NMEA 0183	12	2	2
660938.235088	4050337.929170	32,700		-109.201036	36.584956	11/5/2012	122734	1861.33	NMEA 0183	12	2	2
660914.976844	4050320.782025	32,700		-109.201300	36.584805	11/5/2012	122757	1861.52	NMEA 0183	12	2	2
660922.244365	4050329.150945	32,700		-109.201217	36.584879	11/5/2012	122822	1861.30	NMEA 0183	12	2	2
660924.223586	4050339.788828	32,700		-109.201194	36.584893	11/5/2012	122824	1861.41	NMEA 0183	12	2	2
660941.734633	4050351.314173	32,700		-109.200994	36.585076	11/5/2012	123014	1860.69	NMEA 0183	12	2	2
660925.452634	4050342.319625	32,700		-109.201178	36.584998	11/5/2012	123037	1861.12	NMEA 0183	12	2	2
660921.843883	4050346.482276	32,700		-109.201218	36.585036	11/5/2012	123202	1861.13	NMEA 0183	12	2	2
660892.168045	4050327.439388	32,700		-109.201553	36.584869	11/5/2012	123234	1861.85	NMEA 0183	12	2	2
660914.894987	4050344.123355	32,700		-109.201296	36.585016	11/5/2012	123258	1861.35	NMEA 0183	12	2	2
660931.004960	4050368.762891	32,700		-109.201110	36.585235	11/5/2012	123330	1860.64	NMEA 0183	12	2	2
660946.124117	4050342.419885	32,700		-109.200947	36.584995	11/5/2012	123544	1860.71	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660946.280162	4050371.693875	32,700		-109.200939	36.585259	11/5/2012	123626	1860.63	NMEA 0183	12	2	2
660963.960000	4050376.454842	32,700		-109.200741	36.585299	11/5/2012	123641	1860.47	NMEA 0183	12	2	2
660949.405029	4050355.610283	32,700		-109.200908	36.585113	11/5/2012	123826	1860.63	NMEA 0183	12	2	2
660949.339656	4050359.580306	32,700		-109.200908	36.585149	11/5/2012	123846	1861.14	NMEA 0183	12	2	2
660936.546491	4050367.333247	32,700		-109.201049	36.585221	11/5/2012	123906	1861.23	NMEA 0183	12	2	2
660946.005872	4050366.026892	32,700		-109.200943	36.585208	11/5/2012	123939	1860.90	NMEA 0183	12	2	2
660955.069770	4050353.735336	32,700		-109.200845	36.585095	11/5/2012	123952	1861.03	NMEA 0183	12	2	2
660958.346333	4050357.516372	32,700		-109.200807	36.585129	11/5/2012	124034	1860.94	NMEA 0183	12	2	2
660961.751059	4050360.029083	32,700		-109.200769	36.585151	11/5/2012	124045	1861.09	NMEA 0183	12	2	2
660976.693162	4050374.775143	32,700		-109.200599	36.585281	11/5/2012	124226	1860.36	NMEA 0183	12	2	2
661072.338790	4050363.781641	32,700		-109.199532	36.585166	11/6/2012	102047	1859.14	NMEA 0183	12	2	2
661067.901345	4050359.703209	32,700		-109.199583	36.585130	11/6/2012	102115	1859.21	NMEA 0183	12	2	2
661049.105632	4050342.126931	32,700		-109.199797	36.584975	11/6/2012	102227	1859.94	NMEA 0183	12	2	2
661041.345558	4050337.921534	32,700		-109.199884	36.584938	11/6/2012	102257	1859.63	NMEA 0183	12	2	2
660977.161440	4050281.730571	32,700		-109.200613	36.584443	11/6/2012	102640	1861.93	NMEA 0183	12	2	2
661050.124115	4050398.124537	32,700		-109.199773	36.585479	11/6/2012	105201	1858.73	NMEA 0183	12	2	2
661054.953024	4050392.214657	32,700		-109.199721	36.585425	11/6/2012	105239	1858.58	NMEA 0183	12	2	2
661068.798520	4050383.155387	32,700		-109.199568	36.585341	11/6/2012	105346	1858.54	NMEA 0183	12	2	2
661073.350603	4050376.655833	32,700		-109.199518	36.585282	11/6/2012	105424	1858.42	NMEA 0183	12	2	2
661070.702559	4050374.123957	32,700		-109.199549	36.585260	11/6/2012	105427	1858.66	NMEA 0183	12	2	2
661118.835833	4050400.100076	32,700		-109.199005	36.585486	11/6/2012	105658	1857.60	NMEA 0183	12	2	2
661121.773165	4050409.719794	32,700		-109.198970	36.585572	11/6/2012	105720	1857.42	NMEA 0183	12	2	2
661127.183519	4050408.126892	32,700		-109.198910	36.585556	11/6/2012	105726	1857.45	NMEA 0183	12	2	2
661129.937127	4050410.357418	32,700		-109.198879	36.585576	11/8/2012	104722	1857.36	NMEA 0183	12	2	2
661115.861860	4050411.776827	32,700		-109.199036	36.585591	11/8/2012	104825	1857.49	NMEA 0183	12	2	2
661116.605517	4050415.713924	32,700		-109.199027	36.585627	11/8/2012	104832	1857.35	NMEA 0183	12	2	2
661115.278896	4050434.923829	32,700		-109.199038	36.585800	11/8/2012	104958	1857.24	NMEA 0183	12	2	2
661121.227850	4050435.871373	32,700		-109.198971	36.585807	11/8/2012	105020	1857.13	NMEA 0183	12	2	2
661136.890490	4050427.434465	32,700		-109.198798	36.585729	11/8/2012	105214	1856.72	NMEA 0183	12	2	2
661126.323457	4050443.112169	32,700		-109.198913	36.585872	11/8/2012	105229	1856.81	NMEA 0183	12	2	2
661131.485098	4050460.597705	32,700		-109.198851	36.586029	11/8/2012	105550	1856.25	NMEA 0183	12	2	2
661171.397201	4050443.683319	32,700		-109.198409	36.585869	11/8/2012	110009	1856.35	NMEA 0183	12	2	2
661164.681539	4050448.703217	32,700		-109.198483	36.585916	11/8/2012	110047	1856.19	NMEA 0183	12	2	2
660934.302545	4050256.510669	32,700		-109.201097	36.584223	11/3/2012	134638	1863.14	NMEA 0183	12	2	2
660910.098791	4050242.048223	32,700		-109.201371	36.584097	11/3/2012	135959	1862.68	NMEA 0183	12	2	2
660901.360767	4050300.371310	32,800		-109.201456	36.584624	11/3/2012	134724	1862.50	NMEA 0183	12	2	2
660885.834157	4050315.251747	32,800		-109.201626	36.584760	11/3/2012	135005	1862.79	NMEA 0183	12	2	2
660890.018608	4050268.368738	32,800		-109.201589	36.584337	11/3/2012	140029	1863.13	NMEA 0183	12	2	2
660867.888691	4050300.124120	32,800		-109.201830	36.584627	11/3/2012	140101	1862.81	NMEA 0183	12	2	2
660889.131694	4050266.500620	32,800		-109.201600	36.584321	11/3/2012	140157	1862.87	NMEA 0183	12	2	2
660867.131009	4050293.182923	32,800		-109.201840	36.584565	11/3/2012	140333	1862.88	NMEA 0183	12	2	2
660860.075501	4050300.425548	32,800		-109.201917	36.584631	11/3/2012	140351	1862.96	NMEA 0183	12	2	2
660868.277249	4050287.091206	32,800		-109.201828	36.584510	11/3/2012	140405	1862.94	NMEA 0183	12	2	2
660876.294461	4050272.937712	32,800		-109.201742	36.584381	11/3/2012	140537	1862.93	NMEA 0183	12	2	2
660876.291548	4050272.933959	32,800		-109.201742	36.584381	11/3/2012	140538	1862.93	NMEA 0183	12	2	2
660880.186669	4050266.063179	32,800		-109.201700	36.584318	11/3/2012	140600	1863.07	NMEA 0183	12	2	2
660884.610479	4050260.195567	32,800		-109.201652	36.584264	11/3/2012	140606	1863.02	NMEA 0183	12	2	2
660868.385432	4050254.363295	32,800		-109.201834	36.584215	11/3/2012	141148	1863.45	NMEA 0183	12	2	2
660857.771932	4050255.400291	32,800		-109.201952	36.584226	11/3/2012	141306	1863.65	NMEA 0183	12	2	2
660858.666604	4050233.095198	32,800		-109.201947	36.584025	11/3/2012	141537	1864.15	NMEA 0183	12	2	2
660857.503826	4050207.322439	32,800		-109.201965	36.583792	11/3/2012	141726	1864.71	NMEA 0183	12	2	2
660865.217317	4050195.830359	32,800		-109.201882	36.583688	11/3/2012	141738	1864.39	NMEA 0183	12	2	2
660864.996377	4050190.417787	32,800		-109.201885	36.583639	11/3/2012	141748	1864.83	NMEA 0183	12	2	2
660850.782914	4050207.022709	32,800		-109.202041	36.583791	11/3/2012	141806	1865.00	NMEA 0183	12	2	2
660853.641368	4050187.071996	32,800		-109.202013	36.583611	11/3/2012	141903	1864.40	NMEA 0183	12	2	2
660849.519304	4050186.617544	32,800		-109.202059	36.583607	11/3/2012	141915	1864.83	NMEA 0183	12	2	2
660842.874286	4050193.682899	32,800		-109.202132	36.583672	11/3/2012	141924	1865.01	NMEA 0183	12	2	2
660826.463459	4050177.518678	32,800		-109.202319	36.583529	11/3/2012	142018	1865.40	NMEA 0183	12	2	2
660828.830575	4050166.925501	32,800		-109.202294	36.583433	11/3/2012	142102	1865.58	NMEA 0183	12	2	2
660866.888612	4050191.494556	32,800		-109.201864	36.583648	11/3/2012	142230	1864.91	NMEA 0183	12	2	2
660875.535571	4050204.437579	32,800		-109.201765	36.583764	11/3/2012	142310	1864.00	NMEA 0183	12	2	2
660870.353892	4050198.270001	32,800		-109.201824	36.583709	11/3/2012	142324	1864.23	NMEA 0183	12	2	2
661043.946223	4050403.583725	32,800		-109.199841	36.585530	11/5/2012	115019	1858.85	NMEA 0183	12	2	2
661022.208593	4050418.839589	32,800		-109.200081	36.585671	11/5/2012	115220	1858.53	NMEA 0183	12	2	2
661026.000382	4050422.585911	32,800		-109.200038	36.585704	11/5/2012	115248	1858.60	NMEA 0183	12	2	2
661028.339762	4050419.696147	32,800		-109.200012	36.585677	11/5/2012	115317	1858.53	NMEA 0183	12	2	2
661000.799894	4050399.808720	32,800		-109.200324	36.585503	11/5/2012	115347	1858.95	NMEA 0183	12	2	2
660991.424596	4050398.617680	32,800		-109.200429	36.585494	11/5/2012	115521	1859.15	NMEA 0183	12	2	2
660990.818967	4050400.689071	32,800		-109.200436	36.585512	11/5/2012	121353	1859.04	NMEA 0183	12	2	2
660992.646399	4050401.877488	32,800		-109.200415	36.585523	11/5/2012	121356	1859.02	NMEA 0183	12	2	2
660984.882123	4050392.879558	32,800		-109.200503	36.585443	11/5/2012	121613	1859.07	NMEA 0183	12	2	2
660983.196022	4050388.843443	32,800		-109.200523	36.585407	11/5/2012	121617	1859.14	NMEA 0183	12	2	2
660983.694083	4050388.135096	32,800		-109.200518	36.585401	11/5/2012	121618	1859.06	NMEA 0183	12	2	2
661020.295688	4050407.959124	32,800		-109.200105	36.585573	11/5/2012	121709	1858.03	NMEA 0183	12	2	2
661000.178754	4050395.300532	32,800		-109.200332	36.585462	11/5/2012	121730	1858.37	NMEA 0183	12	2	2
660999.167176	4050394.674895	32,800		-109.200343	36.585457	11/5/2012	121731	1858.49	NMEA 0183	12	2	2
660904.325549	4050322.726442	32,800		-109.201418	36.584825	11/5/2012	122526	1861.57	NMEA 0183	12	2	2
660903.698712	4050323.859657	32,800		-109.201425	36.584835	11/5/2012	122527	1861.63	NMEA 0183	12	2	2
660896.317972	4050321.379840	32,800		-109.201508	36.584814	11/5/2012	122543	1861.63	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660906.417381	4050316.404570	32,800		-109.201396	36.584767	11/5/2012	122630	1861.83	NMEA 0183	12	2	2
660908.749636	4050313.496144	32,800		-109.201371	36.584741	11/5/2012	122634	1861.84	NMEA 0183	12	2	2
660947.971904	4050345.071764	32,800		-109.200926	36.585019	11/5/2012	122724	1860.85	NMEA 0183	12	2	2
660930.808054	4050334.895404	32,800		-109.201120	36.584930	11/5/2012	122830	1861.21	NMEA 0183	12	2	2
660930.570454	4050345.915003	32,800		-109.201120	36.585029	11/5/2012	123032	1860.97	NMEA 0183	12	2	2
660900.531002	4050325.339299	32,800		-109.201460	36.584849	11/5/2012	123102	1861.57	NMEA 0183	12	2	2
660926.711032	4050346.813838	32,800		-109.201163	36.585038	11/5/2012	123134	1860.99	NMEA 0183	12	2	2
660914.050960	4050340.681965	32,800		-109.201306	36.584985	11/5/2012	123210	1861.42	NMEA 0183	12	2	2
660923.586903	4050350.746952	32,800		-109.201197	36.585074	11/5/2012	123307	1861.13	NMEA 0183	12	2	2
660973.713060	4050387.347060	32,800		-109.200629	36.585395	11/5/2012	123431	1859.90	NMEA 0183	12	2	2
660979.218858	4050391.330768	32,800		-109.200567	36.585430	11/5/2012	123437	1859.81	NMEA 0183	12	2	2
660983.488957	4050369.216499	32,800		-109.200524	36.585230	11/5/2012	123506	1860.03	NMEA 0183	12	2	2
660954.406833	4050347.713338	32,800		-109.200853	36.585041	11/5/2012	123535	1860.52	NMEA 0183	12	2	2
660943.787800	4050347.377663	32,800		-109.200972	36.585040	11/5/2012	123549	1860.72	NMEA 0183	12	2	2
660934.281483	4050367.366684	32,800		-109.201074	36.585222	11/5/2012	123612	1860.84	NMEA 0183	12	2	2
660969.034283	4050380.700515	32,800		-109.200683	36.585336	11/5/2012	123646	1860.23	NMEA 0183	12	2	2
660976.583517	4050387.561729	32,800		-109.200597	36.585397	11/5/2012	123654	1859.94	NMEA 0183	12	2	2
660983.589698	4050379.768920	32,800		-109.200521	36.585325	11/5/2012	123705	1859.97	NMEA 0183	12	2	2
660968.591518	4050361.008006	32,800		-109.200692	36.585159	11/5/2012	123729	1860.58	NMEA 0183	12	2	2
660946.293434	4050359.192186	32,800		-109.200942	36.585146	11/5/2012	123850	1861.24	NMEA 0183	12	2	2
660937.312899	4050368.864326	32,800		-109.201040	36.585235	11/5/2012	123912	1861.32	NMEA 0183	12	2	2
660950.888600	4050365.924087	32,800		-109.200889	36.585206	11/5/2012	124014	1861.05	NMEA 0183	12	2	2
660951.131279	4050370.092243	32,800		-109.200885	36.585243	11/5/2012	124022	1861.26	NMEA 0183	12	2	2
660960.259863	4050354.823930	32,800		-109.200787	36.585104	11/5/2012	124037	1860.96	NMEA 0183	12	2	2
660954.896818	4050368.072610	32,800		-109.200844	36.585225	11/5/2012	124054	1861.12	NMEA 0183	12	2	2
660963.933347	4050373.655788	32,800		-109.200742	36.585273	11/5/2012	124132	1861.20	NMEA 0183	12	2	2
660973.131948	4050364.527863	32,800		-109.200641	36.585190	11/5/2012	124144	1860.83	NMEA 0183	12	2	2
661072.265194	4050370.496429	32,800		-109.199532	36.585227	11/6/2012	102023	1859.12	NMEA 0183	12	2	2
661069.894850	4050362.616800	32,800		-109.199560	36.585156	11/6/2012	102107	1859.18	NMEA 0183	12	2	2
661054.315869	4050346.280868	32,800		-109.199737	36.585012	11/6/2012	102208	1859.80	NMEA 0183	12	2	2
661045.982761	4050341.450641	32,800		-109.199832	36.584969	11/6/2012	102240	1860.05	NMEA 0183	12	2	2
661046.523302	4050338.793537	32,800		-109.199826	36.584945	11/6/2012	102243	1860.02	NMEA 0183	12	2	2
661036.141197	4050334.886767	32,800		-109.199943	36.584912	11/6/2012	102313	1859.71	NMEA 0183	12	2	2
660957.331570	4050266.388052	32,800		-109.200838	36.584308	11/6/2012	102753	1862.38	NMEA 0183	12	2	2
660904.529890	4050222.539092	32,800		-109.201437	36.583922	11/6/2012	103103	1863.92	NMEA 0183	12	2	2
660910.056600	4050293.877089	32,800		-109.201360	36.584564	11/6/2012	104328	1861.95	NMEA 0183	12	2	2
661066.429111	4050380.401223	32,800		-109.199595	36.585317	11/6/2012	105349	1858.67	NMEA 0183	12	2	2
661069.085416	4050378.033465	32,800		-109.199566	36.585295	11/6/2012	105408	1858.63	NMEA 0183	12	2	2
661074.698596	4050382.971830	32,800		-109.199502	36.585339	11/6/2012	105414	1858.39	NMEA 0183	12	2	2
661089.746049	4050376.400727	32,800		-109.199335	36.585277	11/6/2012	105522	1857.96	NMEA 0183	12	2	2
661126.893264	4050413.664927	32,800		-109.198912	36.585606	11/8/2012	104726	1857.20	NMEA 0183	12	2	2
661115.243163	4050413.907156	32,800		-109.199043	36.585611	11/8/2012	104830	1857.36	NMEA 0183	12	2	2
661127.483783	4050418.052325	32,800		-109.198905	36.585646	11/8/2012	104925	1857.39	NMEA 0183	12	2	2
661125.579432	4050453.521142	32,800		-109.198919	36.585966	11/8/2012	105419	1856.61	NMEA 0183	12	2	2
661149.356404	4050465.634560	32,800		-109.198651	36.586071	11/8/2012	105915	1856.52	NMEA 0183	12	2	2
661157.427804	4050439.934801	32,800		-109.198566	36.585838	11/8/2012	110130	1854.39	NMEA 0183	12	2	2
660920.546173	4050245.584269	32,800		-109.201253	36.584127	11/3/2012	135132	1863.48	NMEA 0183	12	2	2
660887.595918	4050318.436557	32,900		-109.201606	36.584789	11/3/2012	134758	1862.55	NMEA 0183	12	2	2
660921.156987	4050270.810430	32,900		-109.201241	36.584354	11/3/2012	134847	1862.96	NMEA 0183	12	2	2
660899.357022	4050294.653467	32,900		-109.201480	36.584572	11/3/2012	134945	1862.73	NMEA 0183	12	2	2
660889.820111	4050307.990541	32,900		-109.201583	36.584694	11/3/2012	134958	1862.74	NMEA 0183	12	2	2
660879.991017	4050321.079849	32,900		-109.201690	36.584814	11/3/2012	135019	1862.55	NMEA 0183	12	2	2
660889.733943	4050299.761588	32,900		-109.201586	36.584620	11/3/2012	135040	1862.72	NMEA 0183	12	2	2
660890.968615	4050297.553990	32,900		-109.201573	36.584600	11/3/2012	135042	1862.66	NMEA 0183	12	2	2
660893.499913	4050289.270439	32,900		-109.201546	36.584525	11/3/2012	135431	1862.88	NMEA 0183	12	2	2
660885.995758	4050299.362392	32,900		-109.201628	36.584617	11/3/2012	135441	1862.93	NMEA 0183	12	2	2
660868.654447	4050311.735889	32,900		-109.201819	36.584732	11/3/2012	135742	1862.97	NMEA 0183	12	2	2
660882.453721	4050285.930381	32,900		-109.201670	36.584497	11/3/2012	135905	1862.75	NMEA 0183	12	2	2
660887.066152	4050278.671649	32,900		-109.201620	36.584431	11/3/2012	135912	1862.76	NMEA 0183	12	2	2
660871.909541	4050294.106538	32,900		-109.201786	36.584572	11/3/2012	140055	1862.88	NMEA 0183	12	2	2
660873.544299	4050287.975872	32,900		-109.201769	36.584517	11/3/2012	140135	1862.83	NMEA 0183	12	2	2
660888.522500	4050267.488042	32,900		-109.201606	36.584330	11/3/2012	140156	1862.92	NMEA 0183	12	2	2
660889.681582	4050265.414055	32,900		-109.201594	36.584311	11/3/2012	140158	1862.93	NMEA 0183	12	2	2
660883.253088	4050267.605846	32,900		-109.201665	36.584331	11/3/2012	140309	1863.14	NMEA 0183	12	2	2
660876.371791	4050272.870722	32,900		-109.201741	36.584380	11/3/2012	140515	1863.10	NMEA 0183	12	2	2
660876.361042	4050272.887167	32,900		-109.201741	36.584380	11/3/2012	140516	1863.09	NMEA 0183	12	2	2
660876.339265	4050272.934851	32,900		-109.201741	36.584381	11/3/2012	140520	1863.12	NMEA 0183	12	2	2
660876.316483	4050272.956621	32,900		-109.201742	36.584381	11/3/2012	140535	1862.94	NMEA 0183	12	2	2
660878.499236	4050268.391783	32,900		-109.201718	36.584339	11/3/2012	140544	1863.07	NMEA 0183	12	2	2
660881.290616	4050257.608641	32,900		-109.201689	36.584242	11/3/2012	140835	1862.90	NMEA 0183	12	2	2
660855.739333	4050295.710991	32,900		-109.201967	36.584589	11/3/2012	140915	1862.87	NMEA 0183	12	2	2
660860.690100	4050283.124124	32,900		-109.201914	36.584475	11/3/2012	140930	1862.99	NMEA 0183	12	2	2
660875.123051	4050249.602534	32,900		-109.201760	36.584171	11/3/2012	141110	1863.17	NMEA 0183	12	2	2
660877.560925	4050240.651349	32,900		-109.201734	36.584090	11/3/2012	141201	1863.25	NMEA 0183	12	2	2
660875.585373	4050235.657264	32,900		-109.201758	36.584045	11/3/2012	141242	1863.48	NMEA 0183	12	2	2
660874.177208	4050231.670768	32,900		-109.201774	36.584009	11/3/2012	141330	1863.58	NMEA 0183	12	2	2
660872.387445	4050226.313924	32,900		-109.201795	36.583961	11/3/2012	141403	1863.70	NMEA 0183	12	2	2
660870.106750	4050229.256619	32,900		-109.201820	36.583988	11/3/2012	141406	1863.71	NMEA 0183	12	2	2
660866.336183	4050234.413239	32,900		-109.201861	36.584035	11/3/2012	141411	1863.67	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660861.889868	4050236.460868	32,900		-109.201910	36.584054	11/3/2012	141433	1863.49	NMEA 0183	12	2	2
660879.214826	4050210.858196	32,900		-109.201722	36.583821	11/3/2012	141459	1863.78	NMEA 0183	12	2	2
660858.760867	4050237.066356	32,900		-109.201945	36.584060	11/3/2012	141527	1864.07	NMEA 0183	12	2	2
660855.210964	4050214.802035	32,900		-109.201990	36.583860	11/3/2012	141714	1864.54	NMEA 0183	12	2	2
660864.003297	4050197.810838	32,900		-109.201895	36.583706	11/3/2012	141736	1864.22	NMEA 0183	12	2	2
660850.420956	4050203.725373	32,900		-109.202045	36.583761	11/3/2012	141812	1865.04	NMEA 0183	12	2	2
660853.221595	4050182.160664	32,900		-109.202019	36.583567	11/3/2012	141910	1864.66	NMEA 0183	12	2	2
660825.956401	4050173.684074	32,900		-109.202325	36.583495	11/3/2012	142110	1865.80	NMEA 0183	12	2	2
661048.151270	4050407.406236	32,900		-109.199794	36.585563	11/5/2012	115024	1858.76	NMEA 0183	12	2	2
661046.118789	4050409.042117	32,900		-109.199816	36.585578	11/5/2012	115034	1858.73	NMEA 0183	12	2	2
661044.895466	4050414.464641	32,900		-109.199828	36.585627	11/5/2012	115103	1858.75	NMEA 0183	12	2	2
661026.026683	4050416.084801	32,900		-109.200039	36.585645	11/5/2012	115215	1858.61	NMEA 0183	12	2	2
661023.400978	4050420.881766	32,900		-109.200067	36.585689	11/5/2012	115251	1858.66	NMEA 0183	12	2	2
661034.879415	4050425.582225	32,900		-109.199938	36.585729	11/5/2012	115307	1858.49	NMEA 0183	12	2	2
661013.801390	4050408.251817	32,900		-109.200177	36.585577	11/5/2012	115333	1858.78	NMEA 0183	12	2	2
661003.659430	4050401.562122	32,900		-109.200292	36.585518	11/5/2012	115344	1858.97	NMEA 0183	12	2	2
660992.008238	4050401.384622	32,900		-109.200422	36.585519	11/5/2012	121355	1859.05	NMEA 0183	12	2	2
661006.532369	4050411.839071	32,900		-109.200258	36.585610	11/5/2012	121412	1858.77	NMEA 0183	12	2	2
661013.625354	4050415.898770	32,900		-109.200178	36.585646	11/5/2012	121419	1858.77	NMEA 0183	12	2	2
661005.912395	4050410.534539	32,900		-109.200265	36.585599	11/5/2012	121445	1859.00	NMEA 0183	12	2	2
661001.600082	4050408.376595	32,900		-109.200313	36.585580	11/5/2012	121449	1859.08	NMEA 0183	12	2	2
660994.307296	4050405.188061	32,900		-109.200396	36.585552	11/5/2012	121559	1858.95	NMEA 0183	12	2	2
660991.242813	4050392.552897	32,900		-109.200432	36.585439	11/5/2012	121626	1858.59	NMEA 0183	12	2	2
661003.163352	4050400.013904	32,900		-109.200298	36.585504	11/5/2012	121639	1858.21	NMEA 0183	12	2	2
661019.788159	4050410.128534	32,900		-109.200110	36.585593	11/5/2012	121656	1858.00	NMEA 0183	12	2	2
661014.573122	4050404.400453	32,900		-109.200169	36.585542	11/5/2012	121715	1858.16	NMEA 0183	12	2	2
660995.064791	4050392.378462	32,900		-109.200390	36.585437	11/5/2012	121735	1858.57	NMEA 0183	12	2	2
661015.085328	4050398.078614	32,900		-109.200165	36.585485	11/5/2012	121846	1858.15	NMEA 0183	12	2	2
661000.469121	4050385.450911	32,900		-109.200331	36.585374	11/5/2012	121927	1858.67	NMEA 0183	12	2	2
660946.756625	4050341.701106	32,900		-109.200940	36.584988	11/5/2012	122718	1860.94	NMEA 0183	12	2	2
660935.413086	4050335.523560	32,900		-109.201068	36.584935	11/5/2012	122737	1861.28	NMEA 0183	12	2	2
660932.970611	4050336.271348	32,900		-109.201095	36.584942	11/5/2012	122832	1861.24	NMEA 0183	12	2	2
660942.808595	4050347.572044	32,900		-109.200983	36.585042	11/5/2012	122851	1860.89	NMEA 0183	12	2	2
660942.033336	4050346.832459	32,900		-109.200992	36.585035	11/5/2012	122852	1860.96	NMEA 0183	12	2	2
660926.814932	4050335.525383	32,900		-109.201164	36.584936	11/5/2012	122907	1861.39	NMEA 0183	12	2	2
660910.209423	4050323.330427	32,900		-109.201352	36.584829	11/5/2012	122923	1861.57	NMEA 0183	12	2	2
660902.714680	4050319.529655	32,900		-109.201437	36.584796	11/5/2012	122931	1861.75	NMEA 0183	12	2	2
660939.803759	4050352.702274	32,900		-109.201016	36.585089	11/5/2012	123020	1860.76	NMEA 0183	12	2	2
660936.887482	4050350.552003	32,900		-109.201049	36.585070	11/5/2012	123023	1860.78	NMEA 0183	12	2	2
660923.357563	4050341.004135	32,900		-109.201202	36.584986	11/5/2012	123039	1861.18	NMEA 0183	12	2	2
660896.546831	4050328.679229	32,900		-109.201504	36.584880	11/5/2012	123228	1861.87	NMEA 0183	12	2	2
660927.376275	4050353.749614	32,900		-109.201154	36.585100	11/5/2012	123311	1861.03	NMEA 0183	12	2	2
660960.053570	4050375.403226	32,900		-109.200785	36.585290	11/5/2012	123417	1860.51	NMEA 0183	12	2	2
660969.931819	4050383.911705	32,900		-109.200672	36.585365	11/5/2012	123427	1859.88	NMEA 0183	12	2	2
660947.443964	4050342.117202	32,900		-109.200932	36.584992	11/5/2012	123542	1860.67	NMEA 0183	12	2	2
660986.168340	4050376.448952	32,900		-109.200493	36.585295	11/5/2012	123709	1860.04	NMEA 0183	12	2	2
660956.117649	4050351.785053	32,900		-109.200833	36.585078	11/5/2012	123742	1861.00	NMEA 0183	12	2	2
660953.144593	4050348.205766	32,900		-109.200867	36.585046	11/5/2012	123811	1860.87	NMEA 0183	12	2	2
660950.765541	4050351.860572	32,900		-109.200893	36.585079	11/5/2012	123815	1860.68	NMEA 0183	12	2	2
660956.334345	4050350.488790	32,900		-109.200831	36.585066	11/5/2012	123836	1861.14	NMEA 0183	12	2	2
660943.019742	4050366.413062	32,900		-109.200977	36.585212	11/5/2012	123926	1860.95	NMEA 0183	12	2	2
660959.866158	4050351.551887	32,900		-109.200792	36.585075	11/5/2012	123959	1861.11	NMEA 0183	12	2	2
660962.542039	4050359.052468	32,900		-109.200760	36.585142	11/5/2012	124044	1861.04	NMEA 0183	12	2	2
660959.316522	4050362.663678	32,900		-109.200795	36.585175	11/5/2012	124048	1861.02	NMEA 0183	12	2	2
660971.077292	4050376.669487	32,900		-109.200661	36.585299	11/5/2012	124203	1860.33	NMEA 0183	12	2	2
661072.095960	4050370.293493	32,900		-109.199534	36.585225	11/6/2012	102029	1859.20	NMEA 0183	12	2	2
661070.435125	4050361.964739	32,900		-109.199554	36.585150	11/6/2012	102108	1859.17	NMEA 0183	12	2	2
661060.453815	4050431.546109	32,900		-109.199668	36.585048	11/6/2012	102148	1859.40	NMEA 0183	12	2	2
661049.999847	4050345.195643	32,900		-109.199786	36.585002	11/6/2012	102222	1859.82	NMEA 0183	12	2	2
661031.227853	4050326.110519	32,900		-109.200000	36.584834	11/6/2012	102336	1860.19	NMEA 0183	12	2	2
661028.060853	4050327.789893	32,900		-109.200035	36.584849	11/6/2012	102340	1860.23	NMEA 0183	12	2	2
661017.713925	4050319.853368	32,900		-109.200152	36.584780	11/6/2012	102413	1860.44	NMEA 0183	12	2	2
661062.911184	4050377.164975	32,900		-109.199635	36.585288	11/6/2012	105353	1858.69	NMEA 0183	12	2	2
661083.139500	4050372.572042	32,900		-109.199410	36.585244	11/6/2012	105514	1858.15	NMEA 0183	12	2	2
661108.882353	4050394.022329	32,900		-109.199118	36.585432	11/6/2012	105634	1857.45	NMEA 0183	12	2	2
661110.423714	4050400.206931	32,900		-109.199099	36.585488	11/6/2012	105646	1857.44	NMEA 0183	12	2	2
661111.906100	4050424.263834	32,900		-109.199078	36.585704	11/8/2012	104745	1857.31	NMEA 0183	12	2	2
661109.854306	4050431.546395	32,900		-109.199099	36.585770	11/8/2012	104850	1857.39	NMEA 0183	12	2	2
661121.767540	4050440.901505	32,900		-109.198964	36.585853	11/8/2012	105049	1856.91	NMEA 0183	12	2	2
661137.654279	4050418.677623	32,900		-109.198791	36.585650	11/8/2012	105123	1856.93	NMEA 0183	12	2	2
661141.204867	4050419.054919	32,900		-109.198751	36.585653	11/8/2012	105205	1857.03	NMEA 0183	12	2	2
661130.874090	4050470.912989	32,900		-109.198856	36.586122	11/8/2012	105700	1856.22	NMEA 0183	12	2	2
661161.419371	4050434.850884	32,900		-109.198522	36.585791	11/8/2012	105738	1856.23	NMEA 0183	12	2	2
661152.127766	4050466.598399	32,900		-109.198619	36.586079	11/8/2012	105928	1856.46	NMEA 0183	12	2	2
661159.945210	4050459.379537	32,900		-109.198534	36.586013	11/8/2012	110025	1856.25	NMEA 0183	12	2	2
661155.824964	4050460.506437	32,900		-109.198579	36.586024	11/8/2012	110035	1856.16	NMEA 0183	12	2	2
660893.834244	4050320.745163	33,000		-109.201536	36.584809	11/3/2012	134521	1862.55	NMEA 0183	12	2	2
660893.385200	4050302.972511	33,000		-109.201545	36.584648	11/3/2012	134953	1862.81	NMEA 0183	12	2	2
660888.607150	4050310.233690	33,000		-109.201596	36.584715	11/3/2012	135000	1862.74	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660883.262932	4050314.589540	33,000		-109.201655	36.584755	11/3/2012	135027	1862.70	NMEA 0183	12	2	2
660907.746162	4050275.773650	33,000		-109.201390	36.584401	11/3/2012	135317	1863.41	NMEA 0183	12	2	2
660900.521694	4050278.890165	33,000		-109.201470	36.584430	11/3/2012	135421	1862.90	NMEA 0183	12	2	2
660886.762768	4050298.311334	33,000		-109.201620	36.584608	11/3/2012	135440	1862.95	NMEA 0183	12	2	2
660873.234259	4050316.662176	33,000		-109.201767	36.584775	11/3/2012	135505	1862.84	NMEA 0183	12	2	2
660885.856375	4050284.969338	33,000		-109.201632	36.584487	11/3/2012	135714	1863.06	NMEA 0183	12	2	2
660886.091912	4050283.303492	33,000		-109.201630	36.584472	11/3/2012	135815	1862.87	NMEA 0183	12	2	2
660876.909459	4050298.265675	33,000		-109.201730	36.584609	11/3/2012	135832	1862.98	NMEA 0183	12	2	2
660887.769773	4050277.660098	33,000		-109.201613	36.584421	11/3/2012	135913	1862.86	NMEA 0183	12	2	2
660890.613855	4050273.148331	33,000		-109.201582	36.584380	11/3/2012	135918	1862.96	NMEA 0183	12	2	2
660887.891505	4050271.234767	33,000		-109.201613	36.584363	11/3/2012	140032	1863.01	NMEA 0183	12	2	2
660865.466761	4050299.694071	33,000		-109.201857	36.584624	11/3/2012	140123	1862.85	NMEA 0183	12	2	2
660880.593728	4050271.812176	33,000		-109.201694	36.584370	11/3/2012	140313	1863.05	NMEA 0183	12	2	2
660859.942670	4050304.016975	33,000		-109.201918	36.584663	11/3/2012	140345	1862.96	NMEA 0183	12	2	2
660864.175561	4050293.841596	33,000		-109.201873	36.584571	11/3/2012	140358	1862.85	NMEA 0183	12	2	2
660876.426930	4050272.873603	33,000		-109.201740	36.584380	11/3/2012	140513	1863.11	NMEA 0183	12	2	2
660878.858146	4050261.567663	33,000		-109.201716	36.584278	11/3/2012	140839	1862.87	NMEA 0183	12	2	2
660873.047668	4050271.149365	33,000		-109.201778	36.584365	11/3/2012	140848	1862.98	NMEA 0183	12	2	2
660856.284854	4050293.262985	33,000		-109.201961	36.584567	11/3/2012	140918	1862.85	NMEA 0183	12	2	2
660872.489427	4050264.311782	33,000		-109.201786	36.584304	11/3/2012	140948	1862.95	NMEA 0183	12	2	2
660877.280107	4050256.216629	33,000		-109.201734	36.584230	11/3/2012	140955	1862.87	NMEA 0183	12	2	2
660875.920098	4050248.620475	33,000		-109.201751	36.584162	11/3/2012	141109	1863.22	NMEA 0183	12	2	2
660867.150719	4050256.413673	33,000		-109.201847	36.584233	11/3/2012	141146	1863.50	NMEA 0183	12	2	2
660863.399422	4050213.741855	33,000		-109.201898	36.583849	11/3/2012	141617	1864.52	NMEA 0183	12	2	2
660861.042320	4050216.463012	33,000		-109.201924	36.583874	11/3/2012	141620	1864.41	NMEA 0183	12	2	2
660857.421130	4050195.377448	33,000		-109.201969	36.583685	11/3/2012	141822	1864.71	NMEA 0183	12	2	2
660859.746709	4050192.587262	33,000		-109.201943	36.583659	11/3/2012	141825	1864.62	NMEA 0183	12	2	2
660856.931626	4050187.575625	33,000		-109.201976	36.583615	11/3/2012	141837	1864.53	NMEA 0183	12	2	2
660855.026517	4050188.622039	33,000		-109.201997	36.583625	11/3/2012	141839	1864.09	NMEA 0183	12	2	2
660848.875148	4050187.480387	33,000		-109.202066	36.583615	11/3/2012	141916	1864.97	NMEA 0183	12	2	2
660834.126141	4050183.514376	33,000		-109.202232	36.583582	11/3/2012	142026	1865.32	NMEA 0183	12	2	2
660877.398482	4050205.965122	33,000		-109.201743	36.583777	11/3/2012	142308	1864.00	NMEA 0183	12	2	2
661031.464472	4050420.113512	33,000		-109.199977	36.585681	11/5/2012	115209	1858.64	NMEA 0183	12	2	2
661030.122180	4050421.216671	33,000		-109.199992	36.585691	11/5/2012	115315	1858.56	NMEA 0183	12	2	2
661018.092745	4050415.510774	33,000		-109.200128	36.585641	11/5/2012	115455	1858.57	NMEA 0183	12	2	2
661016.016679	4050414.376884	33,000		-109.200151	36.585632	11/5/2012	115457	1858.54	NMEA 0183	12	2	2
661009.346004	4050410.308446	33,000		-109.200226	36.585596	11/5/2012	115504	1858.75	NMEA 0183	12	2	2
660990.973491	4050400.642023	33,000		-109.200434	36.585512	11/5/2012	121347	1859.16	NMEA 0183	12	2	2
661003.826524	4050409.844390	33,000		-109.200288	36.585593	11/5/2012	121409	1858.86	NMEA 0183	12	2	2
661018.399802	4050418.947669	33,000		-109.200124	36.585672	11/5/2012	121424	1858.61	NMEA 0183	12	2	2
661017.438923	4050416.809947	33,000		-109.200135	36.585653	11/5/2012	121434	1858.72	NMEA 0183	12	2	2
660987.336030	4050408.886339	33,000		-109.200473	36.585587	11/5/2012	121522	1859.27	NMEA 0183	12	2	2
661006.978586	4050399.323290	33,000		-109.200255	36.585497	11/5/2012	121723	1858.44	NMEA 0183	12	2	2
660992.052179	4050388.125138	33,000		-109.200424	36.585399	11/5/2012	121754	1858.75	NMEA 0183	12	2	2
660988.258689	4050379.369886	33,000		-109.200469	36.585321	11/5/2012	121914	1858.99	NMEA 0183	12	2	2
661001.400734	4050386.124991	33,000		-109.200320	36.585379	11/5/2012	121928	1858.69	NMEA 0183	12	2	2
661011.625080	4050390.328415	33,000		-109.200205	36.585416	11/5/2012	122020	1858.74	NMEA 0183	12	2	2
660913.626267	4050315.553619	33,000		-109.201316	36.584758	11/5/2012	122642	1861.72	NMEA 0183	12	2	2
660919.143827	4050326.962088	33,000		-109.201252	36.584860	11/5/2012	122819	1861.34	NMEA 0183	12	2	2
660912.165519	4050324.898567	33,000		-109.201330	36.584843	11/5/2012	122921	1861.65	NMEA 0183	12	2	2
660929.555945	4050345.126549	33,000		-109.201132	36.585022	11/5/2012	123033	1860.99	NMEA 0183	12	2	2
660899.152263	4050326.317867	33,000		-109.201475	36.584858	11/5/2012	123104	1861.51	NMEA 0183	12	2	2
660926.388130	4050350.277779	33,000		-109.201166	36.585069	11/5/2012	123157	1860.98	NMEA 0183	12	2	2
660914.996524	4050341.328552	33,000		-109.201295	36.584990	11/5/2012	123209	1861.30	NMEA 0183	12	2	2
660894.751384	4050327.613511	33,000		-109.201524	36.584870	11/5/2012	123230	1861.83	NMEA 0183	12	2	2
660928.418244	4050354.425752	33,000		-109.201142	36.585106	11/5/2012	123312	1860.98	NMEA 0183	12	2	2
660985.344777	4050383.865516	33,000		-109.200500	36.585362	11/5/2012	123445	1859.70	NMEA 0183	12	2	2
660952.428068	4050346.081875	33,000		-109.200876	36.585027	11/5/2012	123537	1860.56	NMEA 0183	12	2	2
660946.770954	4050341.891890	33,000		-109.200940	36.584990	11/5/2012	123543	1860.70	NMEA 0183	12	2	2
660939.483502	4050362.558733	33,000		-109.201017	36.585178	11/5/2012	123606	1860.72	NMEA 0183	12	2	2
660966.051599	4050378.114317	33,000		-109.200717	36.585313	11/5/2012	123643	1860.36	NMEA 0183	12	2	2
660948.576595	4050354.444277	33,000		-109.200917	36.585103	11/5/2012	123818	1860.37	NMEA 0183	12	2	2
660940.458720	4050369.430026	33,000		-109.201005	36.585239	11/5/2012	123930	1860.95	NMEA 0183	12	2	2
660940.733351	4050370.855715	33,000		-109.201001	36.585252	11/5/2012	123932	1861.03	NMEA 0183	12	2	2
660959.385212	4050350.708680	33,000		-109.200797	36.585067	11/5/2012	123958	1861.17	NMEA 0183	12	2	2
660957.740573	4050358.559344	33,000		-109.200814	36.585138	11/5/2012	124033	1860.94	NMEA 0183	12	2	2
660973.036036	4050368.136628	33,000		-109.200641	36.585222	11/5/2012	124148	1860.78	NMEA 0183	12	2	2
661067.176274	4050360.584867	33,000		-109.199591	36.585138	11/6/2012	102116	1859.12	NMEA 0183	12	2	2
661042.839553	4050340.108088	33,000		-109.199867	36.584958	11/6/2012	102247	1859.80	NMEA 0183	12	2	2
661036.839809	4050334.063800	33,000		-109.199935	36.584904	11/6/2012	102314	1859.65	NMEA 0183	12	2	2
661037.851128	4050332.314456	33,000		-109.199924	36.584888	11/6/2012	102316	1859.70	NMEA 0183	12	2	2
661032.308577	4050332.044168	33,000		-109.199986	36.584887	11/6/2012	102323	1859.89	NMEA 0183	12	2	2
660933.999774	4050253.878467	33,000		-109.201101	36.584199	11/6/2012	102910	1862.83	NMEA 0183	12	2	2
660937.324570	4050248.391687	33,000		-109.201065	36.584149	11/6/2012	102917	1862.73	NMEA 0183	12	2	2
660928.403087	4050240.877792	33,000		-109.201166	36.584083	11/6/2012	102951	1863.30	NMEA 0183	12	2	2
660908.224659	4050223.904861	33,000		-109.201395	36.583933	11/6/2012	103058	1863.80	NMEA 0183	12	2	2
660899.387610	4050218.253349	33,000		-109.201495	36.583884	11/6/2012	103123	1863.97	NMEA 0183	12	2	2
660911.199920	4050294.876964	33,000		-109.201347	36.584572	11/6/2012	104313	1861.96	NMEA 0183	12	2	2
660910.438350	4050294.122842	33,000		-109.201356	36.584566	11/6/2012	104314	1861.91	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661056.600615	4050406.983724	33,000		-109.199699	36.585558	11/6/2012	105152	1858.57	NMEA 0183	12	2	2
661071.858648	4050380.571385	33,000		-109.199534	36.585318	11/6/2012	105411	1858.50	NMEA 0183	12	2	2
661075.944171	4050379.467838	33,000		-109.199489	36.585307	11/6/2012	105421	1858.38	NMEA 0183	12	2	2
661090.408323	4050383.806285	33,000		-109.199326	36.585344	11/6/2012	105552	1857.85	NMEA 0183	12	2	2
661096.991617	4050389.193817	33,000		-109.199252	36.585391	11/6/2012	105610	1857.58	NMEA 0183	12	2	2
661102.880801	4050388.954585	33,000		-109.199186	36.585388	11/6/2012	105617	1857.59	NMEA 0183	12	2	2
661113.630452	4050401.262152	33,000		-109.199063	36.585497	11/6/2012	105650	1857.67	NMEA 0183	12	2	2
661129.141412	4050411.028733	33,000		-109.198888	36.585582	11/8/2012	104723	1857.38	NMEA 0183	12	2	2
661124.666133	4050416.373652	33,000		-109.198937	36.585631	11/8/2012	104729	1857.13	NMEA 0183	12	2	2
661120.228002	4050419.259202	33,000		-109.198986	36.585658	11/8/2012	104734	1857.28	NMEA 0183	12	2	2
661107.009966	4050423.570936	33,000		-109.199133	36.585699	11/8/2012	104808	1857.38	NMEA 0183	12	2	2
661105.383964	4050436.231082	33,000		-109.199148	36.585813	11/8/2012	104856	1857.53	NMEA 0183	12	2	2
661122.344732	4050423.157295	33,000		-109.198961	36.585693	11/8/2012	104919	1857.29	NMEA 0183	12	2	2
661121.422511	4050436.866447	33,000		-109.198969	36.585816	11/8/2012	105021	1857.11	NMEA 0183	12	2	2
661117.115168	4050455.617260	33,000		-109.199013	36.585986	11/8/2012	105242	1856.89	NMEA 0183	12	2	2
661132.702289	4050448.421913	33,000		-109.198840	36.585919	11/8/2012	105442	1856.54	NMEA 0183	12	2	2
661124.408047	4050464.606485	33,000		-109.198930	36.586066	11/8/2012	105540	1856.52	NMEA 0183	12	2	2
661126.466720	4050466.269084	33,000		-109.198906	36.586081	11/8/2012	105544	1856.44	NMEA 0183	12	2	2
661158.214965	4050464.546539	33,000		-109.198552	36.586060	11/8/2012	105946	1856.28	NMEA 0183	12	2	2
661170.481948	4050443.967658	33,000		-109.198419	36.585872	11/8/2012	110010	1856.43	NMEA 0183	12	2	2
661154.571976	4050463.767972	33,000		-109.198593	36.586053	11/8/2012	110032	1856.21	NMEA 0183	12	2	2
660923.313305	4050255.147076	33,000		-109.201220	36.584212	11/3/2012	135340	1863.53	NMEA 0183	12	2	2
660833.938003	4050169.888031	33,000		-109.202237	36.583459	11/3/2012	142057	1865.41	NMEA 0183	12	2	2
660900.628790	4050306.883253	33,100		-109.201463	36.584682	11/3/2012	134543	1862.67	NMEA 0183	12	2	2
660886.578442	4050324.023871	33,100		-109.201616	36.584839	11/3/2012	134748	1862.54	NMEA 0183	12	2	2
660885.860782	4050320.923339	33,100		-109.201625	36.584811	11/3/2012	134755	1862.53	NMEA 0183	12	2	2
660888.859251	4050316.690063	33,100		-109.201592	36.584773	11/3/2012	134800	1862.50	NMEA 0183	12	2	2
660912.762282	4050281.139098	33,100		-109.201333	36.584448	11/3/2012	134836	1863.07	NMEA 0183	12	2	2
660884.672754	4050311.391944	33,100		-109.201640	36.584726	11/3/2012	135030	1862.67	NMEA 0183	12	2	2
660885.142252	4050310.216940	33,100		-109.201635	36.584715	11/3/2012	135031	1862.66	NMEA 0183	12	2	2
660884.920495	4050295.522698	33,100		-109.201641	36.584583	11/3/2012	135528	1862.79	NMEA 0183	12	2	2
660885.137528	4050285.917715	33,100		-109.201640	36.584496	11/3/2012	135715	1863.11	NMEA 0183	12	2	2
660871.058567	4050306.979126	33,100		-109.201793	36.584688	11/3/2012	135749	1862.94	NMEA 0183	12	2	2
660885.907647	4050284.541173	33,100		-109.201632	36.584484	11/3/2012	135813	1862.91	NMEA 0183	12	2	2
660876.206951	4050299.297594	33,100		-109.201737	36.584618	11/3/2012	135833	1862.95	NMEA 0183	12	2	2
660864.206455	4050307.098770	33,100		-109.201870	36.584691	11/3/2012	140108	1862.80	NMEA 0183	12	2	2
660869.666765	4050293.827814	33,100		-109.201811	36.584570	11/3/2012	140129	1862.80	NMEA 0183	12	2	2
660881.721527	4050269.735753	33,100		-109.201682	36.584351	11/3/2012	140311	1863.09	NMEA 0183	12	2	2
660879.096298	4050267.574303	33,100		-109.201712	36.584332	11/3/2012	140548	1863.11	NMEA 0183	12	2	2
660873.212284	4050263.069381	33,100		-109.201778	36.584292	11/3/2012	140949	1862.96	NMEA 0183	12	2	2
660869.558795	4050257.744253	33,100		-109.201820	36.584245	11/3/2012	141118	1863.33	NMEA 0183	12	2	2
660872.685726	4050233.651603	33,100		-109.201790	36.584027	11/3/2012	141328	1863.64	NMEA 0183	12	2	2
660869.619797	4050225.464930	33,100		-109.201826	36.583954	11/3/2012	141444	1863.74	NMEA 0183	12	2	2
660857.215555	4050212.105726	33,100		-109.201968	36.583836	11/3/2012	141711	1864.54	NMEA 0183	12	2	2
660860.089598	4050203.680606	33,100		-109.201937	36.583759	11/3/2012	141730	1864.68	NMEA 0183	12	2	2
660867.617609	4050191.757902	33,100		-109.201856	36.583651	11/3/2012	141745	1864.78	NMEA 0183	12	2	2
660866.022922	4050190.723693	33,100		-109.201874	36.583642	11/3/2012	141747	1864.81	NMEA 0183	12	2	2
660854.319534	4050198.743160	33,100		-109.202003	36.583716	11/3/2012	141818	1865.18	NMEA 0183	12	2	2
660853.988210	4050190.459683	33,100		-109.202008	36.583641	11/3/2012	141841	1864.70	NMEA 0183	12	2	2
660848.671244	4050194.312956	33,100		-109.202067	36.583677	11/3/2012	141856	1864.99	NMEA 0183	12	2	2
660831.677478	4050166.888121	33,100		-109.202262	36.583433	11/3/2012	141958	1865.43	NMEA 0183	12	2	2
660823.542232	4050175.947304	33,100		-109.202351	36.583516	11/3/2012	142015	1865.56	NMEA 0183	12	2	2
661041.200946	4050418.107729	33,100		-109.199869	36.585661	11/5/2012	115134	1858.66	NMEA 0183	12	2	2
660984.756319	4050389.640275	33,100		-109.200506	36.585414	11/5/2012	115403	1859.35	NMEA 0183	12	2	2
661006.453179	4050405.872392	33,100		-109.200260	36.585557	11/5/2012	115431	1858.84	NMEA 0183	12	2	2
661022.850579	4050415.703469	33,100		-109.200074	36.585642	11/5/2012	115447	1858.46	NMEA 0183	12	2	2
660991.405828	4050400.814740	33,100		-109.200429	36.585514	11/5/2012	121354	1859.03	NMEA 0183	12	2	2
661021.388148	4050420.353902	33,100		-109.200090	36.585685	11/5/2012	121428	1858.61	NMEA 0183	12	2	2
660998.141858	4050407.607106	33,100		-109.200352	36.585574	11/5/2012	121452	1859.08	NMEA 0183	12	2	2
660988.607296	4050407.752249	33,100		-109.200459	36.585577	11/5/2012	121524	1859.25	NMEA 0183	12	2	2
660981.087923	4050395.394354	33,100		-109.200545	36.585466	11/5/2012	121539	1859.30	NMEA 0183	12	2	2
660993.047440	4050403.960331	33,100		-109.200410	36.585542	11/5/2012	121556	1858.89	NMEA 0183	12	2	2
660999.274064	4050387.533459	33,100		-109.200344	36.585393	11/5/2012	121902	1858.74	NMEA 0183	12	2	2
660991.339718	4050382.120705	33,100		-109.200434	36.585345	11/5/2012	121910	1859.08	NMEA 0183	12	2	2
660997.392726	4050383.329064	33,100		-109.200366	36.585355	11/5/2012	121924	1858.90	NMEA 0183	12	2	2
661018.499834	4050397.837369	33,100		-109.200127	36.585482	11/5/2012	121945	1858.22	NMEA 0183	12	2	2
661029.005923	4050405.075856	33,100		-109.200008	36.585546	11/5/2012	121956	1858.11	NMEA 0183	12	2	2
661001.424998	4050383.236256	33,100		-109.200321	36.585353	11/5/2012	122030	1858.94	NMEA 0183	12	2	2
660904.373197	4050309.500329	33,100		-109.201420	36.584705	11/5/2012	122555	1861.69	NMEA 0183	12	2	2
660901.921136	4050316.977054	33,100		-109.201446	36.584773	11/5/2012	122610	1861.77	NMEA 0183	12	2	2
660919.008392	4050323.757770	33,100		-109.201254	36.584831	11/5/2012	122753	1861.44	NMEA 0183	12	2	2
660910.972101	4050317.808633	33,100		-109.201345	36.584779	11/5/2012	122801	1861.54	NMEA 0183	12	2	2
660937.194602	4050339.006548	33,100		-109.201048	36.584966	11/5/2012	122836	1861.21	NMEA 0183	12	2	2
660917.250945	4050333.492994	33,100		-109.201272	36.584919	11/5/2012	122949	1861.18	NMEA 0183	12	2	2
660911.167005	4050336.166577	33,100		-109.201339	36.584945	11/5/2012	123117	1861.38	NMEA 0183	12	2	2
660928.780081	4050352.627245	33,100		-109.201139	36.585090	11/5/2012	123154	1860.99	NMEA 0183	12	2	2
660902.713413	4050335.777150	33,100		-109.201433	36.584942	11/5/2012	123246	1861.69	NMEA 0183	12	2	2
660983.261089	4050386.882158	33,100		-109.200523	36.585389	11/5/2012	123442	1859.66	NMEA 0183	12	2	2
660957.413659	4050350.046579	33,100		-109.200819	36.585062	11/5/2012	123532	1860.59	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660944.882532	4050345.554033	33,100		-109.200960	36.585023	11/5/2012	123547	1860.64	NMEA 0183	12	2	2
660938.540729	4050357.300962	33,100		-109.201029	36.585130	11/5/2012	123601	1860.75	NMEA 0183	12	2	2
660985.737794	4050377.056831	33,100		-109.200497	36.585300	11/5/2012	123708	1859.99	NMEA 0183	12	2	2
660953.105564	4050354.991484	33,100		-109.200866	36.585107	11/5/2012	123841	1860.93	NMEA 0183	12	2	2
660937.433536	4050366.643278	33,100		-109.201039	36.585215	11/5/2012	123905	1861.21	NMEA 0183	12	2	2
660954.357404	4050354.656084	33,100		-109.200853	36.585104	11/5/2012	123951	1861.03	NMEA 0183	12	2	2
660948.785584	4050370.372021	33,100		-109.200911	36.585246	11/5/2012	124019	1861.22	NMEA 0183	12	2	2
660954.011237	4050364.859796	33,100		-109.200854	36.585196	11/5/2012	124027	1861.09	NMEA 0183	12	2	2
661075.001682	4050362.814211	33,100		-109.199503	36.585157	11/6/2012	102040	1859.11	NMEA 0183	12	2	2
660923.146730	4050236.391983	33,100		-109.201226	36.584043	11/6/2012	103009	1863.51	NMEA 0183	12	2	2
660916.945467	4050231.701676	33,100		-109.201296	36.584002	11/6/2012	103027	1863.63	NMEA 0183	12	2	2
661064.676548	4050378.879402	33,100		-109.199615	36.585304	11/6/2012	105351	1858.78	NMEA 0183	12	2	2
661076.254761	4050374.594217	33,100		-109.199486	36.585263	11/6/2012	105446	1858.35	NMEA 0183	12	2	2
661087.195200	4050381.021509	33,100		-109.199363	36.585319	11/6/2012	105458	1857.90	NMEA 0183	12	2	2
661100.275781	4050391.450921	33,100		-109.199214	36.585411	11/6/2012	105614	1857.54	NMEA 0183	12	2	2
661111.463181	4050392.339399	33,100		-109.199089	36.585417	11/6/2012	105637	1857.69	NMEA 0183	12	2	2
661117.565738	4050402.046177	33,100		-109.199019	36.585503	11/6/2012	105700	1857.56	NMEA 0183	12	2	2
661118.362663	4050406.165540	33,100		-109.199009	36.585540	11/6/2012	105706	1857.53	NMEA 0183	12	2	2
661121.637733	4050408.668490	33,100		-109.198972	36.585562	11/6/2012	105719	1857.43	NMEA 0183	12	2	2
661122.415732	4050418.891426	33,100		-109.198961	36.585654	11/8/2012	104732	1857.22	NMEA 0183	12	2	2
661105.794192	4050430.737837	33,100		-109.199145	36.585764	11/8/2012	104753	1857.52	NMEA 0183	12	2	2
661109.597928	4050421.745714	33,100		-109.199104	36.585682	11/8/2012	104811	1857.35	NMEA 0183	12	2	2
661132.886360	4050416.078248	33,100		-109.198845	36.585627	11/8/2012	104938	1857.19	NMEA 0183	12	2	2
660935.178424	4050260.322591	33,100		-109.201087	36.584257	11/3/2012	134359	1862.68	NMEA 0183	12	2	2
660920.138806	4050283.208221	33,100		-109.201250	36.584466	11/3/2012	134440	1862.37	NMEA 0183	12	2	2
660927.787750	4050254.944128	33,100		-109.201170	36.584210	11/3/2012	135149	1863.26	NMEA 0183	12	2	2
660921.873026	4050256.862508	33,100		-109.201236	36.584228	11/3/2012	135338	1863.46	NMEA 0183	12	2	2
660904.444771	4050249.883046	33,100		-109.201432	36.584168	11/3/2012	140008	1863.15	NMEA 0183	12	2	2
660908.874616	4050237.238361	33,100		-109.201385	36.584054	11/3/2012	140232	1863.33	NMEA 0183	12	2	2
660895.907102	4050244.416557	33,100		-109.201529	36.584120	11/3/2012	140622	1863.47	NMEA 0183	12	2	2
660881.872541	4050240.859657	33,100		-109.201686	36.584091	11/3/2012	141101	1863.18	NMEA 0183	12	2	2
660848.725534	4050181.364426	33,100		-109.202069	36.583560	11/3/2012	141938	1864.91	NMEA 0183	12	2	2
660830.955716	4050167.832749	33,100		-109.202270	36.583441	11/3/2012	142100	1865.44	NMEA 0183	12	2	2
660934.968808	4050259.806308	33,100		-109.201089	36.584252	11/3/2012	134633	1863.22	NMEA 0183	12	2	2
660929.246996	4050262.495908	33,100		-109.201152	36.584278	11/3/2012	134645	1863.24	NMEA 0183	12	2	2
660926.011905	4050260.959316	33,100		-109.201189	36.584264	11/3/2012	134910	1863.16	NMEA 0183	12	2	2
660905.088440	4050248.966557	33,100		-109.201425	36.584160	11/3/2012	140007	1863.16	NMEA 0183	12	2	2
660898.089909	4050241.603364	33,100		-109.201505	36.584095	11/3/2012	140625	1863.36	NMEA 0183	12	2	2
660847.296630	4050177.129692	33,100		-109.202086	36.583522	11/3/2012	141943	1864.99	NMEA 0183	12	2	2
660885.955759	4050212.219916	33,100		-109.201647	36.583832	11/3/2012	142258	1863.98	NMEA 0183	12	2	2
661029.058045	4050412.327553	33,100		-109.200006	36.585611	11/5/2012	115149	1858.74	NMEA 0183	12	2	2
660976.992102	4050368.369774	33,100		-109.200597	36.585224	11/5/2012	124212	1860.60	NMEA 0183	12	2	2
660914.839548	4050292.492421	33,100		-109.201307	36.584550	11/6/2012	104250	1862.10	NMEA 0183	12	2	2
661085.834740	4050371.311123	33,100		-109.199380	36.585232	11/6/2012	105528	1858.41	NMEA 0183	12	2	2
660929.199345	4050269.026209	33,100		-109.201152	36.584337	11/3/2012	134425	1862.31	NMEA 0183	12	2	2
660910.350746	4050288.601781	33,100		-109.201358	36.584516	11/3/2012	134712	1862.48	NMEA 0183	12	2	2
660926.467024	4050251.547455	33,100		-109.201186	36.584179	11/3/2012	135141	1863.27	NMEA 0183	12	2	2
660926.830843	4050255.381236	33,100		-109.201181	36.584214	11/3/2012	135150	1863.22	NMEA 0183	12	2	2
660921.881028	4050250.218636	33,100		-109.201237	36.584168	11/3/2012	135350	1863.49	NMEA 0183	12	2	2
660902.621723	4050242.400299	33,100		-109.201454	36.584101	11/3/2012	140243	1863.33	NMEA 0183	12	2	2
660902.762163	4050233.541150	33,100		-109.201454	36.584021	11/3/2012	140756	1863.21	NMEA 0183	12	2	2
660874.465021	4050223.225005	33,100		-109.201773	36.583933	11/3/2012	141400	1863.54	NMEA 0183	12	2	2
660898.099993	4050314.475071	33,200		-109.201489	36.584751	11/3/2012	134514	1862.35	NMEA 0183	12	2	2
660892.664094	4050322.534093	33,200		-109.201549	36.584825	11/3/2012	134523	1862.55	NMEA 0183	12	2	2
660891.345819	4050323.151258	33,200		-109.201563	36.584831	11/3/2012	134525	1862.62	NMEA 0183	12	2	2
660890.919656	4050321.452683	33,200		-109.201568	36.584815	11/3/2012	134528	1862.63	NMEA 0183	12	2	2
660902.843330	4050298.308927	33,200		-109.201440	36.584605	11/3/2012	134722	1862.45	NMEA 0183	12	2	2
660912.012145	4050281.925966	33,200		-109.201341	36.584456	11/3/2012	134835	1863.05	NMEA 0183	12	2	2
660886.556920	4050306.760482	33,200		-109.201620	36.584684	11/3/2012	135034	1862.66	NMEA 0183	12	2	2
660899.368303	4050281.935335	33,200		-109.201482	36.584458	11/3/2012	135056	1862.83	NMEA 0183	12	2	2
660895.712898	4050296.322110	33,200		-109.201520	36.584588	11/3/2012	135233	1862.83	NMEA 0183	12	2	2
660870.213602	4050292.824426	33,200		-109.201806	36.584561	11/3/2012	140130	1862.90	NMEA 0183	12	2	2
660892.566587	4050255.766516	33,200		-109.201564	36.584223	11/3/2012	140257	1863.08	NMEA 0183	12	2	2
660877.611275	4050276.145638	33,200		-109.201726	36.584409	11/3/2012	140317	1862.92	NMEA 0183	12	2	2
660864.106852	4050298.310967	33,200		-109.201873	36.584611	11/3/2012	140338	1862.96	NMEA 0183	12	2	2
660862.852016	4050300.002133	33,200		-109.201886	36.584627	11/3/2012	140340	1862.99	NMEA 0183	12	2	2
660858.853857	4050302.973734	33,200		-109.201930	36.584654	11/3/2012	140348	1863.01	NMEA 0183	12	2	2
660874.261671	4050268.930280	33,200		-109.201765	36.584345	11/3/2012	140846	1862.98	NMEA 0183	12	2	2
660864.416862	4050244.750284	33,200		-109.201880	36.584129	11/3/2012	141317	1863.65	NMEA 0183	12	2	2
660856.168919	4050209.206206	33,200		-109.201980	36.583810	11/3/2012	141724	1864.61	NMEA 0183	12	2	2
660845.294753	4050175.693890	33,200		-109.202108	36.583510	11/3/2012	141945	1864.95	NMEA 0183	12	2	2
660838.092983	4050170.975678	33,200		-109.202190	36.583468	11/3/2012	141952	1865.31	NMEA 0183	12	2	2
660837.567510	4050187.183761	33,200		-109.202192	36.583615	11/3/2012	142030	1865.14	NMEA 0183	12	2	2
660883.845752	4050211.222302	33,200		-109.201670	36.583823	11/3/2012	142301	1864.06	NMEA 0183	12	2	2
661052.504414	4050405.871170	33,200		-109.199745	36.585549	11/5/2012	114946	1858.78	NMEA 0183	12	2	2
661035.331896	4050422.688563	33,200		-109.199934	36.585703	11/5/2012	115205	1858.56	NMEA 0183	12	2	2
660997.757911	4050397.920576	33,200		-109.200359	36.585486	11/5/2012	115350	1859.00	NMEA 0183	12	2	2
660982.263400	4050390.453692	33,200		-109.200533	36.585422	11/5/2012	115407	1859.41	NMEA 0183	12	2	2
660999.347031	4050401.479512	33,200		-109.200340	36.585518	11/5/2012	115424	1859.02	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661000.447903	4050402.036534	33,200		-109.200328	36.585523	11/5/2012	115425	1859.04	NMEA 0183	12	2	2
661023.640491	4050416.297212	33,200		-109.200066	36.585648	11/5/2012	115448	1858.48	NMEA 0183	12	2	2
661006.258665	4050408.293670	33,200		-109.200261	36.585578	11/5/2012	115507	1858.82	NMEA 0183	12	2	2
660994.439782	4050400.821614	33,200		-109.200395	36.585513	11/5/2012	115518	1859.09	NMEA 0183	12	2	2
661011.518493	4050414.736559	33,200		-109.200201	36.585636	11/5/2012	121417	1858.75	NMEA 0183	12	2	2
661010.183056	4050412.686155	33,200		-109.200217	36.585617	11/5/2012	121441	1858.75	NMEA 0183	12	2	2
661007.988082	4050411.688766	33,200		-109.200241	36.585609	11/5/2012	121443	1858.87	NMEA 0183	12	2	2
660999.321787	4050407.845615	33,200		-109.200339	36.585576	11/5/2012	121451	1859.05	NMEA 0183	12	2	2
660989.103038	4050412.026879	33,200		-109.200452	36.585615	11/5/2012	121506	1859.07	NMEA 0183	12	2	2
660987.144518	4050411.784890	33,200		-109.200474	36.585613	11/5/2012	121508	1859.13	NMEA 0183	12	2	2
660985.506851	4050400.064289	33,200		-109.200495	36.585508	11/5/2012	121533	1859.26	NMEA 0183	12	2	2
660987.844849	4050398.841044	33,200		-109.200469	36.585496	11/5/2012	121549	1859.06	NMEA 0183	12	2	2
660991.618170	4050402.300305	33,200		-109.200426	36.585527	11/5/2012	121554	1859.01	NMEA 0183	12	2	2
660993.079813	4050402.151957	33,200		-109.200410	36.585525	11/5/2012	121603	1858.86	NMEA 0183	12	2	2
660993.128123	4050393.677659	33,200		-109.200411	36.585449	11/5/2012	121628	1858.47	NMEA 0183	12	2	2
661005.278185	4050398.281523	33,200		-109.200274	36.585488	11/5/2012	121725	1858.64	NMEA 0183	12	2	2
660995.656233	4050379.036747	33,200		-109.200386	36.585317	11/5/2012	122036	1859.06	NMEA 0183	12	2	2
660900.404007	4050327.900568	33,200		-109.201461	36.584872	11/5/2012	122532	1861.61	NMEA 0183	12	2	2
660907.839471	4050314.544521	33,200		-109.201381	36.584750	11/5/2012	122632	1861.85	NMEA 0183	12	2	2
660917.011208	4050322.312788	33,200		-109.201277	36.584819	11/5/2012	122755	1861.42	NMEA 0183	12	2	2
660939.219947	4050344.684113	33,200		-109.201024	36.585017	11/5/2012	122855	1861.10	NMEA 0183	12	2	2
660914.146715	4050326.321053	33,200		-109.201308	36.584855	11/5/2012	122919	1861.60	NMEA 0183	12	2	2
660906.299633	4050320.464246	33,200		-109.201397	36.584804	11/5/2012	122927	1861.67	NMEA 0183	12	2	2
660903.912821	4050323.099750	33,200		-109.201423	36.584828	11/5/2012	122935	1861.66	NMEA 0183	12	2	2
660906.575834	4050325.472778	33,200		-109.201392	36.584849	11/5/2012	122938	1861.45	NMEA 0183	12	2	2
660924.460269	4050338.276163	33,200		-109.201190	36.584961	11/5/2012	122956	1860.91	NMEA 0183	12	2	2
660921.523878	4050349.472756	33,200		-109.201220	36.585063	11/5/2012	123305	1861.26	NMEA 0183	12	2	2
660943.872438	4050372.259192	33,200		-109.200966	36.585264	11/5/2012	123401	1860.58	NMEA 0183	12	2	2
660971.881859	4050385.562982	33,200		-109.200650	36.585379	11/5/2012	123429	1859.91	NMEA 0183	12	2	2
660973.966349	4050361.391643	33,200		-109.200632	36.585161	11/5/2012	123516	1860.41	NMEA 0183	12	2	2
660964.089063	4050355.539309	33,200		-109.200744	36.585110	11/5/2012	123525	1860.32	NMEA 0183	12	2	2
660937.311844	4050353.621155	33,200		-109.201043	36.585097	11/5/2012	123557	1860.90	NMEA 0183	12	2	2
660938.821381	4050371.234250	33,200		-109.201023	36.585256	11/5/2012	123620	1860.72	NMEA 0183	12	2	2
660940.000690	4050371.426496	33,200		-109.201009	36.585257	11/5/2012	123621	1860.67	NMEA 0183	12	2	2
660953.184343	4050349.508679	33,200		-109.200867	36.585058	11/5/2012	123745	1860.98	NMEA 0183	12	2	2
660943.554730	4050357.516904	33,200		-109.200973	36.585131	11/5/2012	123853	1861.18	NMEA 0183	12	2	2
660943.491997	4050369.632934	33,200		-109.200971	36.585241	11/5/2012	123935	1861.06	NMEA 0183	12	2	2
660966.349426	4050359.817380	33,200		-109.200717	36.585148	11/5/2012	124112	1860.71	NMEA 0183	12	2	2
660973.877652	4050366.208380	33,200		-109.200632	36.585205	11/5/2012	124146	1860.80	NMEA 0183	12	2	2
661071.350878	4050360.380078	33,200		-109.199544	36.585136	11/6/2012	102110	1859.11	NMEA 0183	12	2	2
660921.591277	4050236.211196	33,200		-109.201243	36.584042	11/6/2012	103011	1863.56	NMEA 0183	12	2	2
660910.673288	4050292.090750	33,200		-109.201354	36.584547	11/6/2012	104302	1861.98	NMEA 0183	12	2	2
661048.161055	4050396.532187	33,200		-109.199796	36.585465	11/6/2012	105203	1858.71	NMEA 0183	12	2	2
661053.367142	4050396.367060	33,200		-109.199738	36.585463	11/6/2012	105219	1858.65	NMEA 0183	12	2	2
661063.582661	4050384.160074	33,200		-109.199626	36.585351	11/6/2012	105333	1858.73	NMEA 0183	12	2	2
661115.919522	4050398.830186	33,200		-109.199038	36.585475	11/6/2012	105653	1857.67	NMEA 0183	12	2	2
661116.189388	4050403.851561	33,200		-109.199034	36.585520	11/6/2012	105702	1857.59	NMEA 0183	12	2	2
661118.245731	4050419.011189	33,200		-109.199008	36.585656	11/8/2012	104736	1857.29	NMEA 0183	12	2	2
661115.892730	4050414.746134	33,200		-109.199035	36.585618	11/8/2012	104831	1857.43	NMEA 0183	12	2	2
661112.574645	4050447.889310	33,200		-109.199065	36.585917	11/8/2012	105033	1857.12	NMEA 0183	12	2	2
661111.354800	4050449.383183	33,200		-109.199079	36.585931	11/8/2012	105035	1857.13	NMEA 0183	12	2	2
661129.705554	4050468.316339	33,200		-109.198870	36.586098	11/8/2012	105657	1856.28	NMEA 0183	12	2	2
661131.888278	4050470.841363	33,200		-109.198845	36.586121	11/8/2012	105701	1856.20	NMEA 0183	12	2	2
660843.336793	4050183.313048	33,200		-109.202129	36.583579	11/3/2012	142210	1865.45	NMEA 0183	12	2	2
660919.971542	4050240.022648	33,200		-109.201261	36.584077	11/3/2012	135624	1863.66	NMEA 0183	12	2	2
660897.588691	4050315.253463	33,300		-109.201495	36.584758	11/3/2012	134515	1862.54	NMEA 0183	12	2	2
660912.620411	4050285.610799	33,300		-109.201333	36.584489	11/3/2012	134709	1862.48	NMEA 0183	12	2	2
660895.248053	4050309.682839	33,300		-109.201522	36.584709	11/3/2012	134733	1862.52	NMEA 0183	12	2	2
660884.875467	4050322.639892	33,300		-109.201636	36.584827	11/3/2012	134753	1862.58	NMEA 0183	12	2	2
660897.271649	4050303.738871	33,300		-109.201501	36.584655	11/3/2012	134813	1862.54	NMEA 0183	12	2	2
660886.071815	4050307.892651	33,300		-109.201625	36.584694	11/3/2012	135033	1862.65	NMEA 0183	12	2	2
660905.433135	4050283.711695	33,300		-109.201414	36.584473	11/3/2012	135220	1862.57	NMEA 0183	12	2	2
660892.782856	4050300.086848	33,300		-109.201552	36.584623	11/3/2012	135237	1863.06	NMEA 0183	12	2	2
660901.307266	4050277.963384	33,300		-109.201461	36.584422	11/3/2012	135420	1862.81	NMEA 0183	12	2	2
660895.582611	4050286.066941	33,300		-109.201524	36.584496	11/3/2012	135428	1862.78	NMEA 0183	12	2	2
660883.767256	4050287.958156	33,300		-109.201655	36.584515	11/3/2012	135717	1863.14	NMEA 0183	12	2	2
660869.926675	4050309.673264	33,300		-109.201805	36.584713	11/3/2012	135739	1863.07	NMEA 0183	12	2	2
660869.478105	4050310.367746	33,300		-109.201810	36.584719	11/3/2012	135740	1862.98	NMEA 0183	12	2	2
660870.845577	4050291.894769	33,300		-109.201799	36.584552	11/3/2012	140131	1862.88	NMEA 0183	12	2	2
660866.536666	4050294.253860	33,300		-109.201846	36.584574	11/3/2012	140334	1862.88	NMEA 0183	12	2	2
660876.357713	4050272.905602	33,300		-109.201741	36.584380	11/3/2012	140511	1863.12	NMEA 0183	12	2	2
660876.309442	4050272.934293	33,300		-109.201742	36.584381	11/3/2012	140536	1862.95	NMEA 0183	12	2	2
660867.444162	4050280.672055	33,300		-109.201839	36.584452	11/3/2012	140857	1862.98	NMEA 0183	12	2	2
660863.818099	4050286.876444	33,300		-109.201878	36.584508	11/3/2012	140903	1863.05	NMEA 0183	12	2	2
660855.730243	4050294.841476	33,300		-109.201967	36.584582	11/3/2012	140916	1862.84	NMEA 0183	12	2	2
660857.552199	4050290.584327	33,300		-109.201948	36.584543	11/3/2012	140923	1862.86	NMEA 0183	12	2	2
660861.852048	4050280.976200	33,300		-109.201901	36.584456	11/3/2012	140932	1862.97	NMEA 0183	12	2	2
660874.620972	4050260.809547	33,300		-109.201763	36.584272	11/3/2012	140951	1862.92	NMEA 0183	12	2	2
660865.528130	4050259.342788	33,300		-109.201865	36.584260	11/3/2012	141143	1863.55	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660877.170569	4050233.929738	33,300		-109.201740	36.584029	11/3/2012	141240	1863.42	NMEA 0183	12	2	2
660866.485882	4050245.945042	33,300		-109.201857	36.584139	11/3/2012	141253	1863.50	NMEA 0183	12	2	2
660862.603853	4050239.200642	33,300		-109.201902	36.584079	11/3/2012	141416	1863.69	NMEA 0183	12	2	2
660864.263782	4050212.749957	33,300		-109.201889	36.583840	11/3/2012	141616	1864.50	NMEA 0183	12	2	2
660855.553588	4050210.202764	33,300		-109.201987	36.583819	11/3/2012	141723	1864.67	NMEA 0183	12	2	2
660862.746623	4050188.278166	33,300		-109.201911	36.583620	11/3/2012	141831	1864.99	NMEA 0183	12	2	2
660860.858394	4050187.625048	33,300		-109.201932	36.583615	11/3/2012	141833	1864.92	NMEA 0183	12	2	2
660854.357429	4050189.541756	33,300		-109.202004	36.583633	11/3/2012	141840	1864.03	NMEA 0183	12	2	2
660850.104957	4050185.772103	33,300		-109.202053	36.583600	11/3/2012	141914	1864.75	NMEA 0183	12	2	2
660830.679274	4050166.103685	33,300		-109.202274	36.583426	11/3/2012	141959	1865.40	NMEA 0183	12	2	2
660840.223052	4050188.683581	33,300		-109.202162	36.583628	11/3/2012	142033	1865.22	NMEA 0183	12	2	2
660876.979056	4050202.311571	33,300		-109.201749	36.583744	11/3/2012	142330	1864.14	NMEA 0183	12	2	2
661040.405380	4050408.180424	33,300		-109.199880	36.585572	11/5/2012	115053	1858.74	NMEA 0183	12	2	2
661035.157964	4050418.754748	33,300		-109.199936	36.585668	11/5/2012	115157	1858.66	NMEA 0183	12	2	2
661038.153907	4050421.905372	33,300		-109.199902	36.585696	11/5/2012	115201	1858.58	NMEA 0183	12	2	2
661021.201272	4050420.535369	33,300		-109.200092	36.585686	11/5/2012	115222	1858.61	NMEA 0183	12	2	2
661031.996189	4050428.916821	33,300		-109.199970	36.585760	11/5/2012	115236	1858.43	NMEA 0183	12	2	2
661026.321049	4050418.287727	33,300		-109.200035	36.585665	11/5/2012	115319	1858.61	NMEA 0183	12	2	2
661008.915163	4050405.038056	33,300		-109.200232	36.585549	11/5/2012	115338	1858.89	NMEA 0183	12	2	2
661003.491584	4050403.993149	33,300		-109.200293	36.585540	11/5/2012	115428	1858.90	NMEA 0183	12	2	2
661013.357318	4050412.847337	33,300		-109.200181	36.585618	11/5/2012	115500	1858.67	NMEA 0183	12	2	2
660992.170983	4050407.510088	33,300		-109.200419	36.585574	11/5/2012	121458	1859.19	NMEA 0183	12	2	2
660986.272001	4050411.221048	33,300		-109.200484	36.585608	11/5/2012	121509	1859.16	NMEA 0183	12	2	2
661012.694853	4050403.138942	33,300		-109.200191	36.585531	11/5/2012	121717	1858.21	NMEA 0183	12	2	2
660988.290730	4050385.306087	33,300		-109.200467	36.585374	11/5/2012	121750	1858.91	NMEA 0183	12	2	2
660909.300660	4050320.239264	33,300		-109.201363	36.584801	11/5/2012	122809	1861.51	NMEA 0183	12	2	2
660913.269216	4050322.755108	33,300		-109.201318	36.584823	11/5/2012	122813	1861.46	NMEA 0183	12	2	2
660915.984688	4050324.955253	33,300		-109.201287	36.584843	11/5/2012	122816	1861.49	NMEA 0183	12	2	2
660940.259003	4050345.356499	33,300		-109.201012	36.585022	11/5/2012	122854	1860.95	NMEA 0183	12	2	2
660925.517116	4050338.954428	33,300		-109.201178	36.584967	11/5/2012	122957	1860.89	NMEA 0183	12	2	2
660940.050812	4050349.863953	33,300		-109.201013	36.585063	11/5/2012	123012	1860.70	NMEA 0183	12	2	2
660941.585045	4050353.727045	33,300		-109.200995	36.585098	11/5/2012	123018	1860.69	NMEA 0183	12	2	2
660932.560690	4050347.252578	33,300		-109.201098	36.585041	11/5/2012	123030	1860.93	NMEA 0183	12	2	2
660913.895611	4050334.556642	33,300		-109.201309	36.584930	11/5/2012	123048	1861.18	NMEA 0183	12	2	2
660936.414984	4050355.313463	33,300		-109.201053	36.585113	11/5/2012	123146	1860.72	NMEA 0183	12	2	2
660934.126920	4050365.343948	33,300		-109.201076	36.585204	11/5/2012	123326	1860.78	NMEA 0183	12	2	2
660940.480743	4050373.512665	33,300		-109.201004	36.585276	11/5/2012	123340	1860.60	NMEA 0183	12	2	2
660974.936809	4050362.142285	33,300		-109.200621	36.585168	11/5/2012	123515	1860.35	NMEA 0183	12	2	2
660948.307338	4050342.771502	33,300		-109.200923	36.584998	11/5/2012	123541	1860.62	NMEA 0183	12	2	2
660937.087996	4050355.618310	33,300		-109.201045	36.585115	11/5/2012	123559	1860.80	NMEA 0183	12	2	2
660937.867036	4050364.283812	33,300		-109.201035	36.585193	11/5/2012	123608	1860.74	NMEA 0183	12	2	2
660933.260847	4050369.694812	33,300		-109.201085	36.585243	11/5/2012	123615	1860.74	NMEA 0183	12	2	2
660970.984152	4050382.440573	33,300		-109.200661	36.585351	11/5/2012	123648	1860.17	NMEA 0183	12	2	2
660980.424920	4050384.039744	33,300		-109.200555	36.585364	11/5/2012	123701	1860.06	NMEA 0183	12	2	2
660950.202637	4050348.622355	33,300		-109.200900	36.585050	11/5/2012	123807	1860.84	NMEA 0183	12	2	2
660956.979330	4050365.357436	33,300		-109.200821	36.585200	11/5/2012	124051	1861.06	NMEA 0183	12	2	2
660968.239301	4050362.451555	33,300		-109.200696	36.585172	11/5/2012	124117	1860.74	NMEA 0183	12	2	2
660967.518997	4050363.477585	33,300		-109.200704	36.585181	11/5/2012	124118	1860.73	NMEA 0183	12	2	2
660967.359965	4050377.866912	33,300		-109.200702	36.585311	11/5/2012	124158	1860.43	NMEA 0183	12	2	2
660984.813979	4050372.779735	33,300		-109.200508	36.585262	11/5/2012	124253	1860.23	NMEA 0183	12	2	2
660984.819943	4050372.779846	33,300		-109.200508	36.585262	11/5/2012	124255	1860.34	NMEA 0183	12	2	2
661072.317870	4050370.471520	33,300		-109.199531	36.585226	11/6/2012	102020	1859.17	NMEA 0183	12	2	2
661055.979330	4050346.746704	33,300		-109.199719	36.585015	11/6/2012	102206	1859.80	NMEA 0183	12	2	2
661050.929860	4050342.451502	33,300		-109.199776	36.584978	11/6/2012	102225	1859.90	NMEA 0183	12	2	2
661021.850066	4050318.835828	33,300		-109.200106	36.584770	11/6/2012	102408	1860.33	NMEA 0183	12	2	2
661014.346462	4050314.156195	33,300		-109.200191	36.584729	11/6/2012	102426	1860.50	NMEA 0183	12	2	2
660960.131575	4050267.898015	33,300		-109.200806	36.584321	11/6/2012	102738	1862.29	NMEA 0183	12	2	2
661061.262706	4050386.648814	33,300		-109.199651	36.585374	11/6/2012	105314	1858.72	NMEA 0183	12	2	2
661122.453311	4050402.161822	33,300		-109.198964	36.585504	11/6/2012	105711	1857.57	NMEA 0183	12	2	2
661124.560479	4050403.784636	33,300		-109.198941	36.585518	11/6/2012	105714	1857.48	NMEA 0183	12	2	2
661123.535832	4050410.781248	33,300		-109.198951	36.585581	11/6/2012	105722	1857.38	NMEA 0183	12	2	2
661116.353383	4050418.979424	33,300		-109.199029	36.585656	11/8/2012	104738	1857.35	NMEA 0183	12	2	2
661113.631613	4050436.779626	33,300		-109.199056	36.585817	11/8/2012	105000	1857.21	NMEA 0183	12	2	2
661127.762479	4050450.776447	33,300		-109.198895	36.585941	11/8/2012	105416	1856.67	NMEA 0183	12	2	2
661123.566241	4050464.355955	33,300		-109.198941	36.585992	11/8/2012	105422	1856.71	NMEA 0183	12	2	2
661128.117630	4050454.828342	33,300		-109.198890	36.585977	11/8/2012	105436	1856.56	NMEA 0183	12	2	2
661156.185090	4050463.973931	33,300		-109.198575	36.586055	11/8/2012	110030	1856.21	NMEA 0183	12	2	2
660978.019152	4050364.425156	33,300		-109.200586	36.585188	11/5/2012	123512	1860.20	NMEA 0183	12	2	2
660978.796314	4050369.763067	33,300		-109.200576	36.585236	11/5/2012	123718	1860.51	NMEA 0183	12	2	2
661097.135280	4050382.323119	33,300		-109.199251	36.585329	11/6/2012	105600	1857.71	NMEA 0183	12	2	2
661106.109879	4050387.942285	33,300		-109.199150	36.585378	11/6/2012	105621	1857.77	NMEA 0183	12	2	2
660935.168055	4050260.318698	33,300		-109.201087	36.584257	11/3/2012	134353	1862.71	NMEA 0183	12	2	2
660935.098007	4050260.395073	33,300		-109.201087	36.584258	11/3/2012	134402	1862.62	NMEA 0183	12	2	2
660930.600436	4050260.638276	33,300		-109.201138	36.584261	11/3/2012	134643	1863.23	NMEA 0183	12	2	2
660927.794164	4050264.244399	33,300		-109.201168	36.584294	11/3/2012	134647	1863.26	NMEA 0183	12	2	2
660920.496275	4050268.572908	33,300		-109.201249	36.584334	11/3/2012	134918	1862.67	NMEA 0183	12	2	2
660928.102118	4050253.211321	33,300		-109.201167	36.584194	11/3/2012	135144	1863.09	NMEA 0183	12	2	2
660907.753545	4050240.469103	33,300		-109.201397	36.584083	11/3/2012	140224	1862.73	NMEA 0183	12	2	2
660895.572460	4050229.378013	33,300		-109.201536	36.583985	11/3/2012	141021	1863.24	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660925.679428	4050274.577777	33,300		-109.201190	36.584387	11/3/2012	134431	1862.52	NMEA 0183	12	2	2
660916.292756	4050288.970100	33,300		-109.201292	36.584518	11/3/2012	134446	1862.16	NMEA 0183	12	2	2
660924.318407	4050250.780316	33,300		-109.201210	36.584173	11/3/2012	135346	1863.39	NMEA 0183	12	2	2
660897.515036	4050254.307248	33,300		-109.201509	36.584209	11/3/2012	140209	1863.17	NMEA 0183	12	2	2
660907.339624	4050236.203411	33,300		-109.201403	36.584044	11/3/2012	140235	1863.35	NMEA 0183	12	2	2
660905.643260	4050238.370923	33,300		-109.201421	36.584064	11/3/2012	140238	1863.07	NMEA 0183	12	2	2
660844.229911	4050188.359012	33,300		-109.202118	36.583624	11/3/2012	141931	1865.22	NMEA 0183	12	2	2
660977.661957	4050367.568461	33,300		-109.200589	36.585216	11/5/2012	124213	1860.68	NMEA 0183	12	2	2
660886.341250	4050320.038939	33,400		-109.201620	36.584803	11/3/2012	134756	1862.55	NMEA 0183	12	2	2
660888.251511	4050317.502290	33,400		-109.201599	36.584780	11/3/2012	134759	1862.48	NMEA 0183	12	2	2
660914.318447	4050279.288957	33,400		-109.201316	36.584432	11/3/2012	134838	1863.19	NMEA 0183	12	2	2
660902.253366	4050276.190608	33,400		-109.201451	36.584406	11/3/2012	135101	1862.75	NMEA 0183	12	2	2
660898.350702	4050290.717029	33,400		-109.201492	36.584537	11/3/2012	135303	1863.25	NMEA 0183	12	2	2
660884.682121	4050301.485278	33,400		-109.201642	36.584637	11/3/2012	135443	1862.97	NMEA 0183	12	2	2
660874.404823	4050313.256638	33,400		-109.201754	36.584744	11/3/2012	135511	1862.87	NMEA 0183	12	2	2
660887.741379	4050291.213960	33,400		-109.201610	36.584543	11/3/2012	135532	1862.91	NMEA 0183	12	2	2
660893.909468	4050281.653757	33,400		-109.201543	36.584456	11/3/2012	135541	1862.88	NMEA 0183	12	2	2
660903.013137	4050260.462270	33,400		-109.201446	36.584264	11/3/2012	135650	1863.48	NMEA 0183	12	2	2
660883.634569	4050287.794752	33,400		-109.201657	36.584513	11/3/2012	135808	1863.00	NMEA 0183	12	2	2
660882.651949	4050289.367081	33,400		-109.201667	36.584528	11/3/2012	135824	1863.02	NMEA 0183	12	2	2
660870.337659	4050304.291012	33,400		-109.201802	36.584664	11/3/2012	135847	1862.69	NMEA 0183	12	2	2
660891.914911	4050271.060354	33,400		-109.201568	36.584361	11/3/2012	135920	1862.89	NMEA 0183	12	2	2
660883.955442	4050274.394336	33,400		-109.201656	36.584393	11/3/2012	140149	1862.78	NMEA 0183	12	2	2
660884.047149	4050266.544196	33,400		-109.201657	36.584322	11/3/2012	140308	1863.08	NMEA 0183	12	2	2
660870.337764	4050283.558046	33,400		-109.201806	36.584477	11/3/2012	140423	1862.95	NMEA 0183	12	2	2
660879.074173	4050267.560941	33,400		-109.201712	36.584332	11/3/2012	140549	1863.08	NMEA 0183	12	2	2
660879.058465	4050267.603190	33,400		-109.201712	36.584332	11/3/2012	140554	1863.07	NMEA 0183	12	2	2
660871.177384	4050274.401235	33,400		-109.201799	36.584395	11/3/2012	140851	1862.94	NMEA 0183	12	2	2
660856.737414	4050292.594472	33,400		-109.201956	36.584561	11/3/2012	140919	1862.85	NMEA 0183	12	2	2
660857.904382	4050289.540303	33,400		-109.201944	36.584533	11/3/2012	140924	1862.88	NMEA 0183	12	2	2
660873.846823	4050262.002896	33,400		-109.201771	36.584283	11/3/2012	140950	1862.92	NMEA 0183	12	2	2
660862.636332	4050263.694597	33,400		-109.201896	36.584300	11/3/2012	141138	1863.50	NMEA 0183	12	2	2
660876.707747	4050216.332552	33,400		-109.201749	36.583871	11/3/2012	141453	1863.61	NMEA 0183	12	2	2
660869.348633	4050266.393445	33,400		-109.201833	36.583782	11/3/2012	141609	1864.03	NMEA 0183	12	2	2
660852.371206	4050214.538043	33,400		-109.202021	36.583858	11/3/2012	141718	1864.55	NMEA 0183	12	2	2
660858.772255	4050205.283669	33,400		-109.201952	36.583774	11/3/2012	141728	1864.76	NMEA 0183	12	2	2
660860.453389	4050191.651603	33,400		-109.201936	36.583651	11/3/2012	141826	1864.44	NMEA 0183	12	2	2
660847.679187	4050198.064026	33,400		-109.202077	36.583711	11/3/2012	141852	1865.00	NMEA 0183	12	2	2
660839.954590	4050172.493939	33,400		-109.202169	36.583482	11/3/2012	141950	1865.21	NMEA 0183	12	2	2
660864.767061	4050189.997320	33,400		-109.201888	36.583635	11/3/2012	142228	1864.97	NMEA 0183	12	2	2
661055.525866	4050408.376741	33,400		-109.199711	36.585571	11/5/2012	114941	1858.69	NMEA 0183	12	2	2
661038.588804	4050406.731396	33,400		-109.199901	36.585559	11/5/2012	115051	1858.84	NMEA 0183	12	2	2
661033.359967	4050421.330959	33,400		-109.199956	36.585691	11/5/2012	115207	1858.58	NMEA 0183	12	2	2
661034.057299	4050423.920616	33,400		-109.199948	36.585715	11/5/2012	115311	1858.54	NMEA 0183	12	2	2
661021.178250	4050413.720740	33,400		-109.200094	36.585625	11/5/2012	115325	1858.72	NMEA 0183	12	2	2
661006.279715	4050403.107581	33,400		-109.200262	36.585532	11/5/2012	115341	1858.95	NMEA 0183	12	2	2
661009.585840	4050407.777035	33,400		-109.200224	36.585573	11/5/2012	115434	1858.73	NMEA 0183	12	2	2
660990.303785	4050410.277377	33,400		-109.200439	36.585599	11/5/2012	121504	1859.17	NMEA 0183	12	2	2
660985.357702	4050408.427568	33,400		-109.200495	36.585583	11/5/2012	121512	1859.19	NMEA 0183	12	2	2
660985.787959	4050407.436801	33,400		-109.200490	36.585574	11/5/2012	121513	1859.21	NMEA 0183	12	2	2
660992.119180	4050393.070569	33,400		-109.200423	36.585444	11/5/2012	121627	1858.56	NMEA 0183	12	2	2
661008.978074	4050398.652312	33,400		-109.200233	36.585491	11/5/2012	121810	1858.15	NMEA 0183	12	2	2
661013.310329	4050396.798690	33,400		-109.200185	36.585474	11/5/2012	121848	1858.19	NMEA 0183	12	2	2
661020.565645	4050399.200427	33,400		-109.200103	36.585494	11/5/2012	121947	1858.19	NMEA 0183	12	2	2
661015.549956	4050393.102446	33,400		-109.200161	36.585440	11/5/2012	122016	1858.24	NMEA 0183	12	2	2
661002.516792	4050383.959579	33,400		-109.200308	36.585360	11/5/2012	122029	1858.83	NMEA 0183	12	2	2
660896.182309	4050324.802894	33,400		-109.201509	36.584845	11/5/2012	122537	1861.67	NMEA 0183	12	2	2
660902.504767	4050312.413738	33,400		-109.201441	36.584732	11/5/2012	122552	1861.63	NMEA 0183	12	2	2
660928.659815	4050326.777673	33,400		-109.201145	36.584857	11/5/2012	122659	1861.36	NMEA 0183	12	2	2
660945.187834	4050340.321476	33,400		-109.200958	36.584976	11/5/2012	122716	1861.06	NMEA 0183	12	2	2
660928.302935	4050330.462938	33,400		-109.201149	36.584890	11/5/2012	122744	1861.42	NMEA 0183	12	2	2
660924.692523	4050333.917133	33,400		-109.201188	36.584922	11/5/2012	122909	1861.46	NMEA 0183	12	2	2
660930.395148	4050342.848664	33,400		-109.201123	36.585001	11/5/2012	123002	1860.85	NMEA 0183	12	2	2
660931.549828	4050346.588120	33,400		-109.201109	36.585035	11/5/2012	123031	1860.96	NMEA 0183	12	2	2
660935.849684	4050356.027953	33,400		-109.201059	36.585119	11/5/2012	123147	1860.76	NMEA 0183	12	2	2
660896.324255	4050331.884245	33,400		-109.201506	36.584908	11/5/2012	123240	1861.75	NMEA 0183	12	2	2
660963.203316	4050354.645980	33,400		-109.200754	36.585102	11/5/2012	123526	1860.41	NMEA 0183	12	2	2
660969.988377	4050381.608072	33,400		-109.200672	36.585344	11/5/2012	123647	1860.19	NMEA 0183	12	2	2
660952.155131	4050348.629313	33,400		-109.200878	36.585050	11/5/2012	123746	1861.01	NMEA 0183	12	2	2
660941.792392	4050370.938430	33,400		-109.200990	36.585253	11/5/2012	123933	1860.98	NMEA 0183	12	2	2
660946.601443	4050365.209388	33,400		-109.200937	36.585200	11/5/2012	123940	1860.80	NMEA 0183	12	2	2
660955.211485	4050362.738496	33,400		-109.200841	36.585177	11/5/2012	124029	1861.12	NMEA 0183	12	2	2
660963.259806	4050374.096347	33,400		-109.200749	36.585278	11/5/2012	124131	1861.09	NMEA 0183	12	2	2
660967.923024	4050378.626572	33,400		-109.200696	36.585318	11/5/2012	124159	1860.40	NMEA 0183	12	2	2
661051.197805	4050343.357313	33,400		-109.199773	36.584986	11/6/2012	102224	1859.87	NMEA 0183	12	2	2
660910.774275	4050293.071117	33,400		-109.201352	36.584556	11/6/2012	104327	1861.93	NMEA 0183	12	2	2
661068.549973	4050388.061615	33,400		-109.199570	36.585386	11/6/2012	105338	1858.51	NMEA 0183	12	2	2
661076.549144	4050383.801862	33,400		-109.199481	36.585346	11/6/2012	105416	1858.33	NMEA 0183	12	2	2
661080.378308	4050377.910257	33,400		-109.199440	36.585292	11/6/2012	105450	1858.14	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661081.327461	4050370.880782	33,400		-109.199430	36.585229	11/6/2012	105512	1858.36	NMEA 0183	12	2	2
661102.100452	4050389.840753	33,400		-109.199194	36.585396	11/6/2012	105616	1857.55	NMEA 0183	12	2	2
661105.109887	4050396.171244	33,400		-109.199159	36.585452	11/6/2012	105630	1857.44	NMEA 0183	12	2	2
661115.170796	4050399.541227	33,400		-109.199046	36.585481	11/6/2012	105652	1857.63	NMEA 0183	12	2	2
661142.367674	4050420.604546	33,400		-109.198738	36.585666	11/8/2012	104707	1857.13	NMEA 0183	12	2	2
661129.225708	4050416.161311	33,400		-109.198886	36.585629	11/8/2012	104927	1857.37	NMEA 0183	12	2	2
661133.918496	4050425.952661	33,400		-109.198831	36.585716	11/8/2012	105156	1856.79	NMEA 0183	12	2	2
661130.417017	4050451.765835	33,400		-109.198865	36.585949	11/8/2012	105439	1856.49	NMEA 0183	12	2	2
661146.862272	4050452.188761	33,400		-109.198681	36.585950	11/8/2012	105720	1856.10	NMEA 0183	12	2	2
661143.700485	4050473.326771	33,400		-109.198712	36.586141	11/8/2012	105907	1856.75	NMEA 0183	12	2	2
661151.396384	4050467.577965	33,400		-109.198627	36.586088	11/8/2012	105929	1856.38	NMEA 0183	12	2	2
661152.635004	4050470.971292	33,400		-109.198613	36.586118	11/8/2012	105939	1856.37	NMEA 0183	12	2	2
661099.620117	4050382.578695	33,400		-109.199224	36.585331	11/6/2012	105603	1857.79	NMEA 0183	12	2	2
660935.168021	4050260.320547	33,400		-109.201087	36.584257	11/3/2012	134352	1862.69	NMEA 0183	12	2	2
660932.144647	4050258.869300	33,400		-109.201121	36.584244	11/3/2012	134641	1863.18	NMEA 0183	12	2	2
660921.838334	4050273.061286	33,400		-109.201233	36.584374	11/3/2012	134656	1863.06	NMEA 0183	12	2	2
660928.450363	4050261.702285	33,400		-109.201161	36.584271	11/3/2012	134857	1863.31	NMEA 0183	12	2	2
660879.011147	4050294.923803	33,400		-109.201707	36.584578	11/3/2012	135829	1862.97	NMEA 0183	12	2	2
660888.746897	4050260.598515	33,400		-109.201605	36.584267	11/3/2012	140302	1862.94	NMEA 0183	12	2	2
660896.028800	4050228.587495	33,400		-109.201531	36.583978	11/3/2012	141022	1863.15	NMEA 0183	12	2	2
660840.725848	4050178.233099	33,400		-109.202159	36.583533	11/3/2012	142136	1865.36	NMEA 0183	12	2	2
660977.052575	4050368.167443	33,400		-109.200596	36.585222	11/5/2012	123720	1860.62	NMEA 0183	12	2	2
660912.257030	4050227.158066	33,400		-109.201350	36.583962	11/6/2012	103043	1863.71	NMEA 0183	12	2	2
661063.893876	4050395.097478	33,400		-109.199620	36.585450	11/6/2012	105301	1858.49	NMEA 0183	12	2	2
661122.943230	4050457.363450	33,400		-109.198947	36.586001	11/8/2012	105423	1856.66	NMEA 0183	12	2	2
660928.555191	4050263.433691	33,400		-109.201160	36.584286	11/3/2012	134646	1863.28	NMEA 0183	12	2	2
660893.934945	4050238.205446	33,400		-109.201552	36.584065	11/3/2012	140816	1863.13	NMEA 0183	12	2	2
660884.327691	4050252.349518	33,400		-109.201656	36.584194	11/3/2012	140830	1862.80	NMEA 0183	12	2	2
660889.779325	4050224.160809	33,400		-109.201601	36.583939	11/3/2012	141218	1863.82	NMEA 0183	12	2	2
660831.136588	4050171.799977	33,400		-109.202267	36.583477	11/3/2012	142146	1865.58	NMEA 0183	12	2	2
660913.572248	4050289.588762	33,400		-109.201322	36.584524	11/6/2012	104323	1862.01	NMEA 0183	12	2	2
660933.737257	4050262.483777	33,400		-109.201102	36.584277	11/3/2012	134417	1862.57	NMEA 0183	12	2	2
660926.606991	4050260.008625	33,400		-109.201182	36.584256	11/3/2012	134909	1863.23	NMEA 0183	12	2	2
660924.886124	4050262.608497	33,400		-109.201201	36.584279	11/3/2012	134912	1862.85	NMEA 0183	12	2	2
660904.032939	4050272.844563	33,400		-109.201432	36.584375	11/3/2012	135104	1862.83	NMEA 0183	12	2	2
660911.558138	4050241.067465	33,400		-109.201354	36.584088	11/3/2012	135955	1862.66	NMEA 0183	12	2	2
660890.228532	4050258.665590	33,400		-109.201589	36.584250	11/3/2012	140300	1862.96	NMEA 0183	12	2	2
660829.236704	4050170.493714	33,400		-109.202289	36.583466	11/3/2012	142148	1865.57	NMEA 0183	12	2	2
660884.309214	4050205.029026	33,400		-109.201666	36.583767	11/3/2012	142247	1864.24	NMEA 0183	12	2	2
660914.435912	4050245.357075	33,400		-109.201321	36.584126	11/3/2012	135631	1863.04	NMEA 0183	12	2	2
660904.275114	4050305.654875	33,500		-109.201422	36.584671	11/3/2012	134505	1862.34	NMEA 0183	12	2	2
660896.660434	4050313.044229	33,500		-109.201506	36.584739	11/3/2012	134537	1862.72	NMEA 0183	12	2	2
660906.772496	4050297.988484	33,500		-109.201396	36.584601	11/3/2012	134552	1862.62	NMEA 0183	12	2	2
660910.170773	4050329.276233	33,500		-109.201359	36.584558	11/3/2012	134557	1862.70	NMEA 0183	12	2	2
660886.027461	4050324.611004	33,500		-109.201622	36.584845	11/3/2012	134749	1862.39	NMEA 0183	12	2	2
660890.297951	4050314.898759	33,500		-109.201577	36.584756	11/3/2012	134802	1862.51	NMEA 0183	12	2	2
660897.938616	4050302.772877	33,500		-109.201494	36.584646	11/3/2012	134814	1862.61	NMEA 0183	12	2	2
660900.231472	4050293.680258	33,500		-109.201470	36.584564	11/3/2012	134944	1862.79	NMEA 0183	12	2	2
660881.147782	4050321.839515	33,500		-109.201677	36.584820	11/3/2012	135014	1862.54	NMEA 0183	12	2	2
660893.491126	4050299.145672	33,500		-109.201544	36.584614	11/3/2012	135236	1862.93	NMEA 0183	12	2	2
660892.809145	4050299.319727	33,500		-109.201552	36.584616	11/3/2012	135255	1863.05	NMEA 0183	12	2	2
660901.868528	4050285.515000	33,500		-109.201453	36.584490	11/3/2012	135308	1863.06	NMEA 0183	12	2	2
660908.389170	4050274.812758	33,500		-109.201383	36.584392	11/3/2012	135318	1863.54	NMEA 0183	12	2	2
660894.224857	4050288.155706	33,500		-109.201538	36.584515	11/3/2012	135430	1862.91	NMEA 0183	12	2	2
660875.372028	4050317.051766	33,500		-109.201743	36.584778	11/3/2012	135459	1862.92	NMEA 0183	12	2	2
660875.835397	4050310.464507	33,500		-109.201739	36.584719	11/3/2012	135514	1862.86	NMEA 0183	12	2	2
660892.512217	4050283.780626	33,500		-109.201558	36.584476	11/3/2012	135539	1862.75	NMEA 0183	12	2	2
660906.209989	4050263.962490	33,500		-109.201409	36.584295	11/3/2012	135558	1863.42	NMEA 0183	12	2	2
660888.613287	4050280.811076	33,500		-109.201603	36.584450	11/3/2012	135710	1862.99	NMEA 0183	12	2	2
660880.736894	4050293.417170	33,500		-109.201688	36.584564	11/3/2012	135722	1863.14	NMEA 0183	12	2	2
660876.335767	4050298.950416	33,500		-109.201736	36.584615	11/3/2012	135757	1862.92	NMEA 0183	12	2	2
660884.904178	4050285.952191	33,500		-109.201643	36.584497	11/3/2012	135810	1862.96	NMEA 0183	12	2	2
660883.099600	4050284.895554	33,500		-109.201663	36.584487	11/3/2012	135906	1862.80	NMEA 0183	12	2	2
660894.081675	4050267.908370	33,500		-109.201544	36.584332	11/3/2012	135923	1862.88	NMEA 0183	12	2	2
660876.969018	4050287.270492	33,500		-109.201731	36.584510	11/3/2012	140048	1862.99	NMEA 0183	12	2	2
660862.260114	4050306.045033	33,500		-109.201892	36.584681	11/3/2012	140116	1862.83	NMEA 0183	12	2	2
660894.004422	4050253.782831	33,500		-109.201548	36.584205	11/3/2012	140255	1863.27	NMEA 0183	12	2	2
660887.135910	4050262.508674	33,500		-109.201623	36.584285	11/3/2012	140304	1863.08	NMEA 0183	12	2	2
660876.859073	4050277.202522	33,500		-109.201735	36.584419	11/3/2012	140318	1862.96	NMEA 0183	12	2	2
660862.102416	4050297.890580	33,500		-109.201895	36.584608	11/3/2012	140354	1862.86	NMEA 0183	12	2	2
660877.409025	4050270.372728	33,500		-109.201730	36.584357	11/3/2012	140542	1863.10	NMEA 0183	12	2	2
660878.971841	4050267.688503	33,500		-109.201713	36.584333	11/3/2012	140545	1863.12	NMEA 0183	12	2	2
660879.479369	4050260.495380	33,500		-109.201709	36.584268	11/3/2012	140838	1862.87	NMEA 0183	12	2	2
660876.099224	4050265.753634	33,500		-109.201745	36.584316	11/3/2012	140843	1862.97	NMEA 0183	12	2	2
660864.369201	4050285.884234	33,500		-109.201872	36.584499	11/3/2012	140902	1863.00	NMEA 0183	12	2	2
660870.725218	4050255.516878	33,500		-109.201808	36.584225	11/3/2012	141116	1863.26	NMEA 0183	12	2	2
660863.239423	4050262.793993	33,500		-109.201890	36.584291	11/3/2012	141139	1863.52	NMEA 0183	12	2	2
660864.927502	4050260.271182	33,500		-109.201871	36.584268	11/3/2012	141142	1863.56	NMEA 0183	12	2	2
660871.388113	4050250.224424	33,500		-109.201801	36.584177	11/3/2012	141152	1863.41	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660875.930832	4050229.791021	33,500		-109.201755	36.583992	11/3/2012	141332	1863.42	NMEA 0183	12	2	2
660862.695345	4050214.697910	33,500		-109.201906	36.583858	11/3/2012	141618	1864.48	NMEA 0183	12	2	2
660860.435555	4050207.514048	33,500		-109.201933	36.583794	11/3/2012	141706	1864.67	NMEA 0183	12	2	2
660852.939067	4050188.172358	33,500		-109.202020	36.583621	11/3/2012	141902	1864.46	NMEA 0183	12	2	2
660827.864229	4050163.799978	33,500		-109.202306	36.583405	11/3/2012	142002	1865.52	NMEA 0183	12	2	2
660824.412580	4050167.776942	33,500		-109.202343	36.583442	11/3/2012	142007	1865.63	NMEA 0183	12	2	2
661055.414301	4050408.121245	33,500		-109.199712	36.585569	11/5/2012	114942	1858.69	NMEA 0183	12	2	2
661047.906681	4050410.350035	33,500		-109.199796	36.585590	11/5/2012	115032	1858.68	NMEA 0183	12	2	2
661039.531510	4050407.450081	33,500		-109.199890	36.585565	11/5/2012	115052	1858.78	NMEA 0183	12	2	2
661021.675406	4050419.750740	33,500		-109.200087	36.585679	11/5/2012	115221	1858.61	NMEA 0183	12	2	2
661023.773272	4050419.083458	33,500		-109.200063	36.585673	11/5/2012	115254	1858.64	NMEA 0183	12	2	2
661019.567827	4050412.016623	33,500		-109.200112	36.585610	11/5/2012	115327	1858.78	NMEA 0183	12	2	2
661018.663617	4050411.472531	33,500		-109.200122	36.585605	11/5/2012	115328	1858.84	NMEA 0183	12	2	2
660987.735051	4050391.401452	33,500		-109.200472	36.585429	11/5/2012	115400	1859.19	NMEA 0183	12	2	2
661012.685418	4050409.695857	33,500		-109.200189	36.585590	11/5/2012	115437	1858.65	NMEA 0183	12	2	2
661019.075570	4050416.078535	33,500		-109.200117	36.585646	11/5/2012	115454	1858.50	NMEA 0183	12	2	2
660990.924350	4050400.557868	33,500		-109.200434	36.585511	11/5/2012	121351	1859.06	NMEA 0183	12	2	2
661000.102273	4050407.349722	33,500		-109.200330	36.585571	11/5/2012	121405	1858.89	NMEA 0183	12	2	2
661002.925014	4050409.156075	33,500		-109.200298	36.585587	11/5/2012	121408	1858.95	NMEA 0183	12	2	2
660988.048554	4050412.258688	33,500		-109.200464	36.585617	11/5/2012	121507	1859.17	NMEA 0183	12	2	2
660994.035321	4050394.301341	33,500		-109.200401	36.585454	11/5/2012	121629	1858.49	NMEA 0183	12	2	2
660986.515913	4050386.883917	33,500		-109.200486	36.585389	11/5/2012	121744	1859.03	NMEA 0183	12	2	2
661006.251154	4050389.419463	33,500		-109.200265	36.585408	11/5/2012	121933	1858.56	NMEA 0183	12	2	2
661012.355243	4050393.554972	33,500		-109.200196	36.585445	11/5/2012	121939	1858.39	NMEA 0183	12	2	2
661030.430587	4050405.866457	33,500		-109.199992	36.585552	11/5/2012	121958	1858.24	NMEA 0183	12	2	2
660898.916469	4050326.801768	33,500		-109.201478	36.584862	11/5/2012	122534	1861.64	NMEA 0183	12	2	2
660903.061388	4050311.445679	33,500		-109.201435	36.584723	11/5/2012	122553	1861.66	NMEA 0183	12	2	2
660926.244997	4050328.996470	33,500		-109.201172	36.584877	11/5/2012	122746	1861.42	NMEA 0183	12	2	2
660926.460324	4050332.076505	33,500		-109.201169	36.584905	11/5/2012	122826	1861.31	NMEA 0183	12	2	2
660909.228965	4050322.555561	33,500		-109.201363	36.584822	11/5/2012	122924	1861.67	NMEA 0183	12	2	2
660934.237089	4050348.621272	33,500		-109.201079	36.585053	11/5/2012	123026	1860.93	NMEA 0183	12	2	2
660912.861268	4050333.871401	33,500		-109.201320	36.584924	11/5/2012	123049	1861.26	NMEA 0183	12	2	2
660934.115327	4050352.336835	33,500		-109.201079	36.585086	11/5/2012	123142	1860.88	NMEA 0183	12	2	2
660908.197858	4050336.521633	33,500		-109.201372	36.584948	11/5/2012	123216	1861.56	NMEA 0183	12	2	2
660907.236516	4050335.920993	33,500		-109.201383	36.584943	11/5/2012	123217	1861.56	NMEA 0183	12	2	2
660906.190382	4050335.228133	33,500		-109.201395	36.584937	11/5/2012	123218	1861.51	NMEA 0183	12	2	2
660902.174490	4050332.611523	33,500		-109.201440	36.584914	11/5/2012	123222	1861.64	NMEA 0183	12	2	2
660892.514515	4050329.092079	33,500		-109.201549	36.584884	11/5/2012	123236	1861.81	NMEA 0183	12	2	2
660932.495872	4050371.433982	33,500		-109.201093	36.585259	11/5/2012	123333	1860.67	NMEA 0183	12	2	2
660943.840148	4050372.151307	33,500		-109.200966	36.585263	11/5/2012	123355	1860.48	NMEA 0183	12	2	2
660970.864792	4050384.752279	33,500		-109.200662	36.585372	11/5/2012	123428	1859.91	NMEA 0183	12	2	2
660971.938805	4050359.975674	33,500		-109.200655	36.585149	11/5/2012	123518	1860.47	NMEA 0183	12	2	2
660945.643785	4050343.376422	33,500		-109.200952	36.585004	11/5/2012	123545	1860.71	NMEA 0183	12	2	2
660969.550014	4050361.760273	33,500		-109.200681	36.585165	11/5/2012	123728	1860.70	NMEA 0183	12	2	2
660965.631963	4050358.620157	33,500		-109.200726	36.585138	11/5/2012	123732	1860.64	NMEA 0183	12	2	2
660951.637858	4050347.256420	33,500		-109.200884	36.585038	11/5/2012	123809	1860.94	NMEA 0183	12	2	2
660952.597308	4050347.400160	33,500		-109.200874	36.585039	11/5/2012	123810	1860.90	NMEA 0183	12	2	2
660943.376153	4050362.036010	33,500		-109.200974	36.585172	11/5/2012	123920	1861.16	NMEA 0183	12	2	2
660941.496345	4050367.947516	33,500		-109.200993	36.585226	11/5/2012	123928	1860.93	NMEA 0183	12	2	2
660958.946513	4050356.532484	33,500		-109.200801	36.585120	11/5/2012	124035	1860.99	NMEA 0183	12	2	2
660963.502528	4050355.953752	33,500		-109.200750	36.585114	11/5/2012	124041	1861.00	NMEA 0183	12	2	2
660972.472840	4050382.043022	33,500		-109.200644	36.585348	11/5/2012	124234	1860.23	NMEA 0183	12	2	2
660980.816429	4050376.833350	33,500		-109.200552	36.585299	11/5/2012	124245	1860.15	NMEA 0183	12	2	2
661071.946708	4050370.457167	33,500		-109.199535	36.585226	11/6/2012	102026	1859.17	NMEA 0183	12	2	2
661074.386550	4050362.366163	33,500		-109.199510	36.585153	11/6/2012	102041	1859.17	NMEA 0183	12	2	2
661064.351592	4050353.945258	33,500		-109.199624	36.585079	11/6/2012	102131	1859.13	NMEA 0183	12	2	2
660961.096508	4050267.908682	33,500		-109.200795	36.584321	11/6/2012	102737	1862.28	NMEA 0183	12	2	2
660942.737902	4050252.858248	33,500		-109.201004	36.584189	11/6/2012	102857	1862.59	NMEA 0183	12	2	2
660915.651463	4050290.317605	33,500		-109.201298	36.584531	11/6/2012	104237	1862.15	NMEA 0183	12	2	2
661050.616233	4050406.174288	33,500		-109.199766	36.585552	11/6/2012	105146	1858.59	NMEA 0183	12	2	2
661049.135458	4050397.310656	33,500		-109.199785	36.585472	11/6/2012	105202	1858.68	NMEA 0183	12	2	2
661052.450442	4050395.534181	33,500		-109.199748	36.585456	11/6/2012	105218	1858.68	NMEA 0183	12	2	2
661063.751697	4050378.003826	33,500		-109.199625	36.585296	11/6/2012	105352	1858.72	NMEA 0183	12	2	2
661075.625625	4050383.571846	33,500		-109.199492	36.585344	11/6/2012	105415	1858.36	NMEA 0183	12	2	2
661074.271778	4050377.568334	33,500		-109.199508	36.585290	11/6/2012	105423	1858.49	NMEA 0183	12	2	2
661069.840165	4050373.338336	33,500		-109.199558	36.585253	11/6/2012	105428	1858.61	NMEA 0183	12	2	2
661078.293075	4050376.230526	33,500		-109.199463	36.585277	11/6/2012	105448	1858.24	NMEA 0183	12	2	2
661096.370849	4050383.235481	33,500		-109.199260	36.585337	11/6/2012	105559	1857.69	NMEA 0183	12	2	2
661117.558119	4050397.756639	33,500		-109.199020	36.585465	11/6/2012	105655	1857.62	NMEA 0183	12	2	2
661106.545964	4050429.864082	33,500		-109.199136	36.585756	11/8/2012	104752	1857.49	NMEA 0183	12	2	2
661107.982632	4050438.848979	33,500		-109.199118	36.585837	11/8/2012	104901	1857.39	NMEA 0183	12	2	2
661131.066991	4050414.540362	33,500		-109.198866	36.585614	11/8/2012	104929	1857.38	NMEA 0183	12	2	2
661134.501852	4050414.247754	33,500		-109.198827	36.585610	11/8/2012	104936	1857.30	NMEA 0183	12	2	2
661122.449956	4050439.987608	33,500		-109.198957	36.585844	11/8/2012	105050	1856.86	NMEA 0183	12	2	2
661129.907693	4050442.330345	33,500		-109.198873	36.585864	11/8/2012	105301	1856.63	NMEA 0183	12	2	2
661131.157899	4050450.677315	33,500		-109.198857	36.585939	11/8/2012	105440	1856.55	NMEA 0183	12	2	2
661158.433546	4050461.241567	33,500		-109.198550	36.586030	11/8/2012	110027	1856.27	NMEA 0183	12	2	2
660894.661656	4050316.068030	33,600		-109.201528	36.584766	11/3/2012	134534	1862.68	NMEA 0183	12	2	2
660899.347783	4050309.015996	33,600		-109.201477	36.584702	11/3/2012	134541	1862.62	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660900.948355	4050297.380071	33,600		-109.201461	36.584597	11/3/2012	134819	1862.65	NMEA 0183	12	2	2
660915.065595	4050278.342961	33,600		-109.201307	36.584423	11/3/2012	134839	1863.19	NMEA 0183	12	2	2
660890.381729	4050298.704601	33,600		-109.201579	36.584610	11/3/2012	135041	1862.75	NMEA 0183	12	2	2
660909.855845	4050277.823729	33,600		-109.201366	36.584419	11/3/2012	135214	1863.05	NMEA 0183	12	2	2
660887.523923	4050307.457408	33,600		-109.201609	36.584690	11/3/2012	135247	1863.06	NMEA 0183	12	2	2
660898.341613	4050282.036349	33,600		-109.201494	36.584459	11/3/2012	135424	1862.75	NMEA 0183	12	2	2
660882.842557	4050298.791026	33,600		-109.201663	36.584613	11/3/2012	135525	1862.82	NMEA 0183	12	2	2
660875.013009	4050301.002846	33,600		-109.201750	36.584634	11/3/2012	135755	1863.00	NMEA 0183	12	2	2
660879.587389	4050293.863626	33,600		-109.201701	36.584569	11/3/2012	135802	1862.94	NMEA 0183	12	2	2
660861.732546	4050306.736187	33,600		-109.201897	36.584688	11/3/2012	140115	1862.84	NMEA 0183	12	2	2
660867.726113	4050292.071307	33,600		-109.201834	36.584555	11/3/2012	140332	1862.89	NMEA 0183	12	2	2
660864.778819	4050292.852212	33,600		-109.201866	36.584562	11/3/2012	140359	1862.88	NMEA 0183	12	2	2
660870.325454	4050283.578162	33,600		-109.201806	36.584478	11/3/2012	140419	1862.96	NMEA 0183	12	2	2
660870.416654	4050283.487385	33,600		-109.201805	36.584477	11/3/2012	140453	1863.21	NMEA 0183	12	2	2
660879.059991	4050267.601369	33,600		-109.201712	36.584332	11/3/2012	140553	1863.07	NMEA 0183	12	2	2
660857.042253	4050292.167353	33,600		-109.201953	36.584557	11/3/2012	140920	1862.84	NMEA 0183	12	2	2
660866.395236	4050273.510848	33,600		-109.201852	36.584388	11/3/2012	140939	1862.99	NMEA 0183	12	2	2
660878.284546	4050245.825473	33,600		-109.201725	36.584136	11/3/2012	141106	1863.25	NMEA 0183	12	2	2
660853.354759	4050215.866012	33,600		-109.202010	36.583870	11/3/2012	141716	1864.50	NMEA 0183	12	2	2
660853.630221	4050213.022672	33,600		-109.202008	36.583845	11/3/2012	141720	1864.53	NMEA 0183	12	2	2
660864.608264	4050196.889923	33,600		-109.201888	36.583697	11/3/2012	141737	1864.28	NMEA 0183	12	2	2
660852.944506	4050204.545748	33,600		-109.202017	36.583768	11/3/2012	141803	1865.04	NMEA 0183	12	2	2
660849.298739	4050207.257595	33,600		-109.202057	36.583793	11/3/2012	141808	1864.99	NMEA 0183	12	2	2
660854.266809	4050181.947161	33,600		-109.202007	36.583565	11/3/2012	141909	1864.75	NMEA 0183	12	2	2
660850.633595	4050184.864556	33,600		-109.202047	36.583591	11/3/2012	141913	1864.70	NMEA 0183	12	2	2
660846.092853	4050191.081435	33,600		-109.202096	36.583648	11/3/2012	141920	1865.01	NMEA 0183	12	2	2
660844.241726	4050174.969465	33,600		-109.202120	36.583503	11/3/2012	141946	1865.00	NMEA 0183	12	2	2
660839.058795	4050171.737313	33,600		-109.202179	36.583475	11/3/2012	141951	1865.28	NMEA 0183	12	2	2
660821.988797	4050171.989546	33,600		-109.202370	36.583480	11/3/2012	142011	1865.63	NMEA 0183	12	2	2
660841.874452	4050175.363551	33,600		-109.202147	36.583507	11/3/2012	142049	1865.10	NMEA 0183	12	2	2
660827.807121	4050167.490852	33,600		-109.202306	36.583439	11/3/2012	142103	1865.59	NMEA 0183	12	2	2
661047.938237	4050402.374832	33,600		-109.199797	36.585518	11/5/2012	114951	1858.85	NMEA 0183	12	2	2
661047.041620	4050401.743944	33,600		-109.199807	36.585513	11/5/2012	114952	1858.84	NMEA 0183	12	2	2
661043.765859	4050411.221348	33,600		-109.199842	36.585598	11/5/2012	115057	1858.78	NMEA 0183	12	2	2
661023.185898	4050416.357135	33,600		-109.200071	36.585648	11/5/2012	115322	1858.68	NMEA 0183	12	2	2
661009.081911	4050412.223461	33,600		-109.200229	36.585613	11/5/2012	121442	1858.82	NMEA 0183	12	2	2
660982.893213	4050394.738230	33,600		-109.200525	36.585460	11/5/2012	121543	1859.26	NMEA 0183	12	2	2
660986.992857	4050398.137011	33,600		-109.200479	36.585490	11/5/2012	121548	1859.07	NMEA 0183	12	2	2
661011.970799	4050405.400479	33,600		-109.200198	36.585551	11/5/2012	121648	1858.03	NMEA 0183	12	2	2
661024.884024	4050411.148816	33,600		-109.200053	36.585601	11/5/2012	121704	1857.95	NMEA 0183	12	2	2
660989.140573	4050385.965687	33,600		-109.200457	36.585380	11/5/2012	121751	1858.85	NMEA 0183	12	2	2
660999.559813	4050392.586569	33,600		-109.200340	36.585438	11/5/2012	121801	1858.36	NMEA 0183	12	2	2
660993.107412	4050383.631696	33,600		-109.200414	36.585358	11/5/2012	121908	1859.01	NMEA 0183	12	2	2
660999.512052	4050384.702367	33,600		-109.200342	36.585367	11/5/2012	121926	1858.66	NMEA 0183	12	2	2
660993.690211	4050377.442506	33,600		-109.200408	36.585303	11/5/2012	122038	1859.14	NMEA 0183	12	2	2
660899.579100	4050316.263641	33,600		-109.201473	36.584767	11/5/2012	122548	1861.58	NMEA 0183	12	2	2
660902.553938	4050315.843950	33,600		-109.201439	36.584763	11/5/2012	122609	1861.75	NMEA 0183	12	2	2
660903.943576	4050320.340615	33,600		-109.201423	36.584803	11/5/2012	122626	1861.72	NMEA 0183	12	2	2
660933.346999	4050334.014395	33,600		-109.201092	36.584921	11/5/2012	122739	1861.27	NMEA 0183	12	2	2
660910.402457	4050320.986806	33,600		-109.201351	36.584808	11/5/2012	122810	1861.49	NMEA 0183	12	2	2
660936.206700	4050342.374805	33,600		-109.201058	36.584996	11/5/2012	122858	1861.18	NMEA 0183	12	2	2
660935.287666	4050346.606299	33,600		-109.201067	36.585035	11/5/2012	123007	1860.78	NMEA 0183	12	2	2
660933.884374	4050348.577676	33,600		-109.201083	36.585053	11/5/2012	123028	1860.93	NMEA 0183	12	2	2
660893.915987	4050326.989701	33,600		-109.201534	36.584864	11/5/2012	123231	1861.90	NMEA 0183	12	2	2
660935.835046	4050358.881723	33,600		-109.201059	36.585145	11/5/2012	123319	1860.89	NMEA 0183	12	2	2
660936.783917	4050362.937321	33,600		-109.201047	36.585181	11/5/2012	123323	1860.73	NMEA 0183	12	2	2
660932.426324	4050367.021211	33,600		-109.201095	36.585219	11/5/2012	123328	1860.76	NMEA 0183	12	2	2
660962.086629	4050376.922878	33,600		-109.200762	36.585303	11/5/2012	123419	1860.35	NMEA 0183	12	2	2
660982.633697	4050368.368131	33,600		-109.200534	36.585223	11/5/2012	123507	1860.09	NMEA 0183	12	2	2
660967.016790	4050378.986937	33,600		-109.200706	36.585321	11/5/2012	123644	1860.29	NMEA 0183	12	2	2
660961.895276	4050355.433497	33,600		-109.200768	36.585110	11/5/2012	123736	1860.76	NMEA 0183	12	2	2
660959.042368	4050353.484169	33,600		-109.200800	36.585093	11/5/2012	123739	1860.81	NMEA 0183	12	2	2
660944.416369	4050355.156205	33,600		-109.200963	36.585110	11/5/2012	123759	1860.35	NMEA 0183	12	2	2
660948.005189	4050363.293512	33,600		-109.200922	36.585183	11/5/2012	123942	1860.83	NMEA 0183	12	2	2
660949.125650	4050361.450018	33,600		-109.200910	36.585166	11/5/2012	123944	1861.21	NMEA 0183	12	2	2
660949.548554	4050370.811730	33,600		-109.200903	36.585250	11/5/2012	124020	1861.22	NMEA 0183	12	2	2
660975.459559	4050382.899854	33,600		-109.200611	36.585355	11/5/2012	124238	1860.13	NMEA 0183	12	2	2
660984.480247	4050373.156368	33,600		-109.200512	36.585265	11/5/2012	124250	1860.20	NMEA 0183	12	2	2
661031.339303	4050328.681803	33,600		-109.199998	36.584857	11/6/2012	102333	1859.90	NMEA 0183	12	2	2
661020.955705	4050321.349430	33,600		-109.200115	36.584792	11/6/2012	102405	1860.41	NMEA 0183	12	2	2
660945.675921	4050256.956631	33,600		-109.200970	36.584225	11/6/2012	102840	1862.43	NMEA 0183	12	2	2
660894.863253	4050220.325396	33,600		-109.201545	36.583903	11/6/2012	103130	1864.05	NMEA 0183	12	2	2
660909.505475	4050292.638592	33,600		-109.201367	36.584553	11/6/2012	104316	1861.95	NMEA 0183	12	2	2
660911.137477	4050289.844688	33,600		-109.201349	36.584527	11/6/2012	104319	1862.03	NMEA 0183	12	2	2
661059.901303	4050396.415483	33,600		-109.199665	36.585462	11/6/2012	105234	1858.47	NMEA 0183	12	2	2
661071.212043	4050388.013457	33,600		-109.199540	36.585385	11/6/2012	105341	1858.52	NMEA 0183	12	2	2
661104.232798	4050395.612853	33,600		-109.199169	36.585448	11/6/2012	105629	1857.48	NMEA 0183	12	2	2
661135.005922	4050413.378607	33,600		-109.198822	36.585602	11/8/2012	104716	1857.26	NMEA 0183	12	2	2
661106.369926	4050424.372798	33,600		-109.199139	36.585706	11/8/2012	104807	1857.37	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661114.048892	4050414.434128	33,600		-109.199056	36.585616	11/8/2012	104821	1857.47	NMEA 0183	12	2	2
661112.785516	4050437.592424	33,600		-109.199065	36.585824	11/8/2012	105001	1857.27	NMEA 0183	12	2	2
661136.622082	4050415.253024	33,600		-109.198803	36.585619	11/8/2012	105116	1856.99	NMEA 0183	12	2	2
661169.592601	4050444.620567	33,600		-109.198429	36.585878	11/8/2012	110011	1856.36	NMEA 0183	12	2	2
661128.629629	4050444.542648	33,600		-109.198887	36.585884	11/8/2012	105259	1856.57	NMEA 0183	12	2	2
660935.198017	4050260.311860	33,600		-109.201086	36.584257	11/3/2012	134358	1862.68	NMEA 0183	12	2	2
660901.494157	4050309.503787	33,600		-109.201453	36.584706	11/3/2012	134509	1862.26	NMEA 0183	12	2	2
660916.032975	4050285.236299	33,600		-109.201295	36.584485	11/3/2012	134606	1862.94	NMEA 0183	12	2	2
660923.037769	4050271.382039	33,600		-109.201220	36.584359	11/3/2012	134654	1862.89	NMEA 0183	12	2	2
660878.721356	4050305.148914	33,600		-109.201708	36.584671	11/3/2012	135519	1862.78	NMEA 0183	12	2	2
660906.306120	4050256.116132	33,600		-109.201410	36.584224	11/3/2012	135645	1863.19	NMEA 0183	12	2	2
660903.744927	4050259.619568	33,600		-109.201438	36.584256	11/3/2012	135649	1863.51	NMEA 0183	12	2	2
660903.812584	4050250.903331	33,600		-109.201439	36.584178	11/3/2012	140009	1863.13	NMEA 0183	12	2	2
660902.027747	4050253.653684	33,600		-109.201458	36.584203	11/3/2012	140012	1863.34	NMEA 0183	12	2	2
660853.638808	4050203.713438	33,600		-109.202009	36.583761	11/3/2012	141802	1865.14	NMEA 0183	12	2	2
660848.403479	4050198.578837	33,600		-109.202069	36.583715	11/3/2012	141851	1864.94	NMEA 0183	12	2	2
660843.247092	4050190.181048	33,600		-109.202128	36.583641	11/3/2012	141929	1865.13	NMEA 0183	12	2	2
660826.244729	4050164.729663	33,600		-109.202324	36.583414	11/3/2012	142004	1865.77	NMEA 0183	12	2	2
661043.963101	4050413.990306	33,600		-109.199839	36.585623	11/5/2012	115104	1858.74	NMEA 0183	12	2	2
661031.560336	4050406.076285	33,600		-109.199979	36.585554	11/5/2012	115118	1859.07	NMEA 0183	12	2	2
661031.283176	4050407.016276	33,600		-109.199982	36.585563	11/5/2012	115119	1859.10	NMEA 0183	12	2	2
660901.115900	4050325.649892	33,600		-109.201453	36.584851	11/5/2012	123101	1861.50	NMEA 0183	12	2	2
661057.983172	4050400.785472	33,600		-109.199685	36.585502	11/6/2012	105224	1858.61	NMEA 0183	12	2	2
661083.965240	4050309.661329	33,600		-109.199401	36.585217	11/6/2012	105536	1858.44	NMEA 0183	12	2	2
661118.787382	4050440.730973	33,600		-109.198997	36.585852	11/8/2012	105025	1857.03	NMEA 0183	12	2	2
660935.169754	4050260.307632	33,600		-109.201087	36.584257	11/3/2012	134411	1862.62	NMEA 0183	12	2	2
660904.674743	4050301.119561	33,600		-109.201419	36.584630	11/3/2012	134549	1862.74	NMEA 0183	12	2	2
660920.349343	4050279.610850	33,600		-109.201248	36.584433	11/3/2012	134612	1863.03	NMEA 0183	12	2	2
660855.803640	4050200.744525	33,600		-109.201986	36.583734	11/3/2012	141759	1865.06	NMEA 0183	12	2	2
660897.349387	4050312.098993	33,700		-109.201498	36.584730	11/3/2012	134538	1862.74	NMEA 0183	12	2	2
660902.597440	4050303.955073	33,700		-109.201441	36.584656	11/3/2012	134546	1862.80	NMEA 0183	12	2	2
660896.961240	4050297.688334	33,700		-109.201506	36.584600	11/3/2012	134948	1862.60	NMEA 0183	12	2	2
660893.514254	4050293.127273	33,700		-109.201545	36.584560	11/3/2012	135046	1862.84	NMEA 0183	12	2	2
660891.465501	4050302.089435	33,700		-109.201566	36.584641	11/3/2012	135239	1862.94	NMEA 0183	12	2	2
660889.156944	4050304.369421	33,700		-109.201592	36.584662	11/3/2012	135250	1863.10	NMEA 0183	12	2	2
660882.048012	4050305.618093	33,700		-109.201671	36.584674	11/3/2012	135447	1863.01	NMEA 0183	12	2	2
660879.329812	4050304.041249	33,700		-109.201701	36.584660	11/3/2012	135520	1862.78	NMEA 0183	12	2	2
660897.788614	4050276.513978	33,700		-109.201501	36.584409	11/3/2012	135546	1862.91	NMEA 0183	12	2	2
660885.462776	4050285.037809	33,700		-109.201637	36.584488	11/3/2012	135820	1862.96	NMEA 0183	12	2	2
660871.779093	4050302.433168	33,700		-109.201786	36.584647	11/3/2012	135849	1862.73	NMEA 0183	12	2	2
660880.590893	4050282.645650	33,700		-109.201692	36.584467	11/3/2012	140043	1862.84	NMEA 0183	12	2	2
660866.001994	4050302.978004	33,700		-109.201851	36.584653	11/3/2012	140104	1862.93	NMEA 0183	12	2	2
660880.787546	4050278.354392	33,700		-109.201690	36.584429	11/3/2012	140145	1862.76	NMEA 0183	12	2	2
660884.630765	4050273.380406	33,700		-109.201649	36.584383	11/3/2012	140150	1862.81	NMEA 0183	12	2	2
660884.797620	4050265.500228	33,700		-109.201648	36.584312	11/3/2012	140307	1863.09	NMEA 0183	12	2	2
660870.325800	4050283.559671	33,700		-109.201806	36.584477	11/3/2012	140422	1862.95	NMEA 0183	12	2	2
660871.543412	4050281.466431	33,700		-109.201793	36.584458	11/3/2012	140501	1863.06	NMEA 0183	12	2	2
660879.070810	4050267.581225	33,700		-109.201712	36.584332	11/3/2012	140556	1863.12	NMEA 0183	12	2	2
660860.186062	4050284.231894	33,700		-109.201919	36.584485	11/3/2012	140929	1862.97	NMEA 0183	12	2	2
660878.567215	4050253.997062	33,700		-109.201720	36.584210	11/3/2012	140957	1862.88	NMEA 0183	12	2	2
660879.624103	4050243.912084	33,700		-109.201711	36.584119	11/3/2012	141104	1863.22	NMEA 0183	12	2	2
660863.882188	4050261.925576	33,700		-109.201883	36.584284	11/3/2012	141140	1863.52	NMEA 0183	12	2	2
660882.069649	4050215.498801	33,700		-109.201689	36.583862	11/3/2012	141351	1863.90	NMEA 0183	12	2	2
660866.813315	4050191.293383	33,700		-109.201865	36.583647	11/3/2012	141746	1864.81	NMEA 0183	12	2	2
660847.726615	4050196.326223	33,700		-109.202077	36.583695	11/3/2012	141854	1865.09	NMEA 0183	12	2	2
660847.388031	4050189.387322	33,700		-109.202082	36.583633	11/3/2012	141918	1865.01	NMEA 0183	12	2	2
660824.471237	4050176.443747	33,700		-109.202341	36.583520	11/3/2012	142016	1865.60	NMEA 0183	12	2	2
660838.323062	4050187.941463	33,700		-109.202184	36.583621	11/3/2012	142031	1865.17	NMEA 0183	12	2	2
661054.819908	4050407.601450	33,700		-109.199719	36.585564	11/5/2012	114943	1858.71	NMEA 0183	12	2	2
661053.294986	4050406.588856	33,700		-109.199736	36.585555	11/5/2012	114945	1858.76	NMEA 0183	12	2	2
661042.277543	4050406.502696	33,700		-109.199859	36.585556	11/5/2012	115038	1858.78	NMEA 0183	12	2	2
661046.237693	4050413.444718	33,700		-109.199814	36.585618	11/5/2012	115100	1858.71	NMEA 0183	12	2	2
661037.556942	4050421.124725	33,700		-109.199909	36.585689	11/5/2012	115200	1858.61	NMEA 0183	12	2	2
661020.386910	4050412.884664	33,700		-109.200103	36.585617	11/5/2012	115326	1858.78	NMEA 0183	12	2	2
660994.795199	4050395.941433	33,700		-109.200392	36.585469	11/5/2012	115353	1859.08	NMEA 0183	12	2	2
660991.641620	4050394.038254	33,700		-109.200428	36.585452	11/5/2012	115356	1859.03	NMEA 0183	12	2	2
660998.330425	4050400.883376	33,700		-109.200352	36.585513	11/5/2012	115423	1859.03	NMEA 0183	12	2	2
661014.951041	4050413.770579	33,700		-109.200163	36.585626	11/5/2012	115458	1858.61	NMEA 0183	12	2	2
660997.694379	4050402.826569	33,700		-109.200358	36.585531	11/5/2012	115515	1859.01	NMEA 0183	12	2	2
660999.306637	4050406.742926	33,700		-109.200339	36.585566	11/5/2012	121404	1858.85	NMEA 0183	12	2	2
660985.470188	4050410.466164	33,700		-109.200493	36.585601	11/5/2012	121510	1859.16	NMEA 0183	12	2	2
660988.224027	4050396.674778	33,700		-109.200465	36.585477	11/5/2012	121609	1859.04	NMEA 0183	12	2	2
661007.989159	4050400.002549	33,700		-109.200244	36.585503	11/5/2012	121722	1858.36	NMEA 0183	12	2	2
660995.220534	4050390.035993	33,700		-109.200389	36.585416	11/5/2012	121757	1858.61	NMEA 0183	12	2	2
661007.935007	4050397.955796	33,700		-109.200245	36.585485	11/5/2012	121809	1858.17	NMEA 0183	12	2	2
660904.987620	4050321.623481	33,700		-109.201411	36.584815	11/5/2012	122525	1861.51	NMEA 0183	12	2	2
660900.317646	4050315.378522	33,700		-109.201465	36.584759	11/5/2012	122549	1861.60	NMEA 0183	12	2	2
660902.496279	4050322.272330	33,700		-109.201439	36.584821	11/5/2012	122624	1861.76	NMEA 0183	12	2	2
660930.698161	4050328.254873	33,700		-109.201122	36.584870	11/5/2012	122701	1861.31	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660918.084687	4050326.246787	33,700		-109.201264	36.584854	11/5/2012	122818	1861.39	NMEA 0183	12	2	2
660903.086334	4050322.307419	33,700		-109.201432	36.584821	11/5/2012	122934	1861.64	NMEA 0183	12	2	2
660910.274054	4050328.484823	33,700		-109.201351	36.584875	11/5/2012	122942	1861.46	NMEA 0183	12	2	2
660921.296298	4050339.556102	33,700		-109.201225	36.584973	11/5/2012	123041	1861.21	NMEA 0183	12	2	2
660899.729834	4050325.505573	33,700		-109.201469	36.584850	11/5/2012	123103	1861.59	NMEA 0183	12	2	2
660927.764158	4050351.994137	33,700		-109.201150	36.585084	11/5/2012	123155	1860.91	NMEA 0183	12	2	2
660918.963318	4050344.336379	33,700		-109.201250	36.585017	11/5/2012	123205	1861.28	NMEA 0183	12	2	2
660909.725700	4050340.567716	33,700		-109.201354	36.584984	11/5/2012	123253	1861.55	NMEA 0183	12	2	2
660930.991507	4050369.800306	33,700		-109.201110	36.585244	11/5/2012	123331	1860.65	NMEA 0183	12	2	2
660969.702644	4050358.787007	33,700		-109.200680	36.585138	11/5/2012	123520	1860.33	NMEA 0183	12	2	2
660959.323202	4050351.630505	33,700		-109.200798	36.585076	11/5/2012	123530	1860.51	NMEA 0183	12	2	2
660938.171490	4050352.801196	33,700		-109.201034	36.585090	11/5/2012	123556	1860.90	NMEA 0183	12	2	2
660940.214509	4050360.243680	33,700		-109.201009	36.585157	11/5/2012	123604	1860.74	NMEA 0183	12	2	2
660945.050963	4050371.855831	33,700		-109.200953	36.585260	11/5/2012	123625	1860.60	NMEA 0183	12	2	2
660948.755551	4050371.338838	33,700		-109.200912	36.585255	11/5/2012	123628	1860.58	NMEA 0183	12	2	2
660965.009008	4050377.312384	33,700		-109.200729	36.585306	11/5/2012	123642	1860.38	NMEA 0183	12	2	2
660970.448032	4050362.555799	33,700		-109.200671	36.585172	11/5/2012	123727	1860.70	NMEA 0183	12	2	2
660960.988937	4050354.763593	33,700		-109.200778	36.585104	11/5/2012	123737	1860.73	NMEA 0183	12	2	2
660956.611268	4050352.031052	33,700		-109.200828	36.585080	11/5/2012	123954	1861.08	NMEA 0183	12	2	2
660956.128725	4050358.523618	33,700		-109.200832	36.585138	11/5/2012	124006	1860.97	NMEA 0183	12	2	2
660968.550974	4050368.590906	33,700		-109.200691	36.585227	11/5/2012	124138	1860.94	NMEA 0183	12	2	2
660968.548271	4050375.268174	33,700		-109.200690	36.585287	11/5/2012	124155	1860.49	NMEA 0183	12	2	2
660981.494499	4050375.911962	33,700		-109.200545	36.585291	11/5/2012	124246	1860.18	NMEA 0183	12	2	2
661050.124792	4050342.029493	33,700		-109.199785	36.584974	11/6/2012	102226	1859.89	NMEA 0183	12	2	2
660932.770401	4050244.964081	33,700		-109.201117	36.584119	11/6/2012	102934	1862.84	NMEA 0183	12	2	2
660888.980344	4050208.904564	33,700		-109.201613	36.583802	11/6/2012	103205	1864.38	NMEA 0183	12	2	2
661056.815214	4050405.800254	33,700		-109.199697	36.585547	11/6/2012	105153	1858.55	NMEA 0183	12	2	2
661054.757317	4050402.820720	33,700		-109.199721	36.585521	11/6/2012	105156	1858.60	NMEA 0183	12	2	2
661064.588900	4050384.990932	33,700		-109.199615	36.585359	11/6/2012	105334	1858.66	NMEA 0183	12	2	2
661067.624365	4050387.385789	33,700		-109.199580	36.585380	11/6/2012	105337	1858.55	NMEA 0183	12	2	2
661085.668212	4050375.023999	33,700		-109.199381	36.585265	11/6/2012	105517	1858.05	NMEA 0183	12	2	2
661112.681148	4050401.930591	33,700		-109.199074	36.585503	11/6/2012	105649	1857.38	NMEA 0183	12	2	2
661141.559356	4050419.958656	33,700		-109.198747	36.585661	11/8/2012	104708	1857.20	NMEA 0183	12	2	2
661101.473194	4050432.149551	33,700		-109.199193	36.585777	11/8/2012	104758	1857.53	NMEA 0183	12	2	2
661101.951920	4050429.607821	33,700		-109.199188	36.585754	11/8/2012	104801	1857.56	NMEA 0183	12	2	2
661123.942421	4050436.762001	33,700		-109.198941	36.585815	11/8/2012	105143	1857.00	NMEA 0183	12	2	2
661128.996267	4050463.660361	33,700		-109.198878	36.586057	11/8/2012	105547	1856.38	NMEA 0183	12	2	2
661154.013446	4050432.688508	33,700		-109.198605	36.585773	11/8/2012	105620	1856.29	NMEA 0183	12	2	2
661157.624242	4050462.240018	33,700		-109.198559	36.586039	11/8/2012	110028	1856.30	NMEA 0183	12	2	2
660935.087673	4050260.389330	33,700		-109.201088	36.584258	11/3/2012	134403	1862.60	NMEA 0183	12	2	2
660935.138477	4050260.384732	33,700		-109.201087	36.584258	11/3/2012	134407	1862.68	NMEA 0183	12	2	2
660928.811637	4050253.957072	33,700		-109.201159	36.584201	11/3/2012	135145	1863.09	NMEA 0183	12	2	2
660929.474640	4050254.398606	33,700		-109.201151	36.584205	11/3/2012	135146	1863.06	NMEA 0183	12	2	2
660925.291417	4050257.133656	33,700		-109.201198	36.584230	11/3/2012	135152	1863.27	NMEA 0183	12	2	2
660917.353474	4050268.162646	33,700		-109.201284	36.584331	11/3/2012	135204	1863.14	NMEA 0183	12	2	2
660918.588143	4050246.509450	33,700		-109.201275	36.584135	11/3/2012	135615	1863.68	NMEA 0183	12	2	2
660909.556333	4050251.425155	33,700		-109.201375	36.584181	11/3/2012	135640	1863.30	NMEA 0183	12	2	2
660898.632702	4050266.482358	33,700		-109.201494	36.584319	11/3/2012	135656	1863.25	NMEA 0183	12	2	2
660900.931705	4050254.829909	33,700		-109.201470	36.584213	11/3/2012	140014	1863.37	NMEA 0183	12	2	2
660899.322020	4050256.431194	33,700		-109.201488	36.584228	11/3/2012	140016	1863.27	NMEA 0183	12	2	2
660897.032221	4050258.983431	33,700		-109.201513	36.584251	11/3/2012	140019	1863.05	NMEA 0183	12	2	2
660893.320379	4050226.725981	33,700		-109.201561	36.583961	11/3/2012	141046	1863.45	NMEA 0183	12	2	2
660883.385720	4050232.856699	33,700		-109.201671	36.584018	11/3/2012	141209	1863.42	NMEA 0183	12	2	2
660884.418847	4050207.779690	33,700		-109.201665	36.583792	11/3/2012	142337	1864.21	NMEA 0183	12	2	2
661082.279953	4050368.131516	33,700		-109.199420	36.585204	11/6/2012	105532	1858.54	NMEA 0183	12	2	2
661081.619567	4050367.710365	33,700		-109.199428	36.585200	11/6/2012	105533	1858.59	NMEA 0183	12	2	2
660931.629778	4050265.655358	33,700		-109.201125	36.584306	11/3/2012	134421	1862.54	NMEA 0183	12	2	2
660930.932913	4050256.264476	33,700		-109.201135	36.584221	11/3/2012	134903	1863.16	NMEA 0183	12	2	2
660913.159476	4050256.569941	33,700		-109.201333	36.584227	11/3/2012	135119	1863.05	NMEA 0183	12	2	2
660918.298404	4050248.361098	33,700		-109.201278	36.584152	11/3/2012	135127	1863.66	NMEA 0183	12	2	2
660926.040233	4050256.178444	33,700		-109.201190	36.584221	11/3/2012	135151	1863.26	NMEA 0183	12	2	2
660902.035519	4050308.553939	33,800		-109.201447	36.584697	11/3/2012	134508	1862.22	NMEA 0183	12	2	2
660891.554549	4050320.606317	33,800		-109.201561	36.584808	11/3/2012	134529	1862.64	NMEA 0183	12	2	2
660919.495104	4050275.917713	33,800		-109.201258	36.584400	11/3/2012	134659	1863.00	NMEA 0183	12	2	2
660897.079226	4050306.528274	33,800		-109.201503	36.584680	11/3/2012	134730	1862.51	NMEA 0183	12	2	2
660905.543570	4050290.324489	33,800		-109.201411	36.584532	11/3/2012	134826	1862.85	NMEA 0183	12	2	2
660908.483710	4050286.498904	33,800		-109.201379	36.584497	11/3/2012	134830	1862.73	NMEA 0183	12	2	2
660917.980134	4050255.004711	33,800		-109.201280	36.584212	11/3/2012	135356	1863.19	NMEA 0183	12	2	2
660882.150663	4050299.893431	33,800		-109.201671	36.584623	11/3/2012	135524	1862.77	NMEA 0183	12	2	2
660893.168705	4050282.657214	33,800		-109.201551	36.584465	11/3/2012	135540	1862.80	NMEA 0183	12	2	2
660894.701000	4050280.647551	33,800		-109.201535	36.584447	11/3/2012	135542	1862.88	NMEA 0183	12	2	2
660881.339144	4050292.322336	33,800		-109.201681	36.584555	11/3/2012	135721	1863.05	NMEA 0183	12	2	2
660869.906875	4050308.897882	33,800		-109.201806	36.584706	11/3/2012	135747	1863.01	NMEA 0183	12	2	2
660870.517904	4050307.971531	33,800		-109.201799	36.584697	11/3/2012	135748	1862.99	NMEA 0183	12	2	2
660883.007414	4050288.785538	33,800		-109.201663	36.584522	11/3/2012	135807	1863.00	NMEA 0183	12	2	2
660866.953446	4050297.729792	33,800		-109.201841	36.584606	11/3/2012	140125	1862.80	NMEA 0183	12	2	2
660872.883164	4050289.028911	33,800		-109.201777	36.584526	11/3/2012	140134	1862.89	NMEA 0183	12	2	2
660875.682838	4050285.135949	33,800		-109.201746	36.584491	11/3/2012	140138	1862.93	NMEA 0183	12	2	2
660886.520588	4050270.360113	33,800		-109.201628	36.584356	11/3/2012	140153	1862.91	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660882.477302	4050268.647491	33,800		-109.201674	36.584341	11/3/2012	140310	1863.11	NMEA 0183	12	2	2
660873.360118	4050282.273587	33,800		-109.201773	36.584465	11/3/2012	140323	1863.05	NMEA 0183	12	2	2
660872.029114	4050284.527477	33,800		-109.201787	36.584486	11/3/2012	140325	1863.01	NMEA 0183	12	2	2
660866.413509	4050289.993612	33,800		-109.201849	36.584536	11/3/2012	140402	1862.92	NMEA 0183	12	2	2
660876.362118	4050272.909384	33,800		-109.201741	36.584380	11/3/2012	140517	1863.10	NMEA 0183	12	2	2
660876.334550	4050272.947711	33,800		-109.201741	36.584381	11/3/2012	140521	1863.13	NMEA 0183	12	2	2
660877.940952	4050269.369061	33,800		-109.201724	36.584348	11/3/2012	140543	1863.07	NMEA 0183	12	2	2
660879.063146	4050267.592179	33,800		-109.201712	36.584332	11/3/2012	140555	1863.11	NMEA 0183	12	2	2
660883.238128	4050262.346950	33,800		-109.201666	36.584284	11/3/2012	140604	1862.98	NMEA 0183	12	2	2
660875.903429	4050258.519605	33,800		-109.201749	36.584251	11/3/2012	140953	1863.02	NMEA 0183	12	2	2
660873.317126	4050220.236653	33,800		-109.201786	36.583906	11/3/2012	141449	1863.50	NMEA 0183	12	2	2
660871.990769	4050211.638609	33,800		-109.201803	36.583829	11/3/2012	141558	1864.02	NMEA 0183	12	2	2
660854.410420	4050212.143877	33,800		-109.201999	36.583837	11/3/2012	141721	1864.52	NMEA 0183	12	2	2
660859.981225	4050195.998744	33,800		-109.201940	36.583690	11/3/2012	141754	1864.62	NMEA 0183	12	2	2
660849.006528	4050206.371685	33,800		-109.202061	36.583785	11/3/2012	141809	1864.95	NMEA 0183	12	2	2
660858.941854	4050193.508137	33,800		-109.201952	36.583668	11/3/2012	141824	1864.64	NMEA 0183	12	2	2
660863.081694	4050189.105690	33,800		-109.201907	36.583628	11/3/2012	141830	1865.07	NMEA 0183	12	2	2
660851.106248	4050197.075679	33,800		-109.202039	36.583701	11/3/2012	141848	1865.06	NMEA 0183	12	2	2
660850.753257	4050191.225964	33,800		-109.202044	36.583649	11/3/2012	141859	1864.77	NMEA 0183	12	2	2
660839.199224	4050188.631134	33,800		-109.202174	36.583627	11/3/2012	142032	1865.15	NMEA 0183	12	2	2
660869.999351	4050193.938836	33,800		-109.201829	36.583670	11/3/2012	142233	1864.70	NMEA 0183	12	2	2
661055.508111	4050408.369009	33,800		-109.199711	36.585571	11/5/2012	114938	1858.68	NMEA 0183	12	2	2
661055.507903	4050408.380104	33,800		-109.199711	36.585571	11/5/2012	114940	1858.68	NMEA 0183	12	2	2
661035.728477	4050407.887504	33,800		-109.199932	36.585570	11/5/2012	115113	1858.86	NMEA 0183	12	2	2
661038.920038	4050413.814452	33,800		-109.199895	36.585623	11/5/2012	115128	1858.73	NMEA 0183	12	2	2
661036.812838	4050420.394963	33,800		-109.199917	36.585682	11/5/2012	115159	1858.64	NMEA 0183	12	2	2
661029.246820	4050420.486301	33,800		-109.200002	36.585684	11/5/2012	115316	1858.51	NMEA 0183	12	2	2
660998.761028	4050398.520159	33,800		-109.200347	36.585492	11/5/2012	115349	1858.95	NMEA 0183	12	2	2
661016.745762	4050412.085846	33,800		-109.200143	36.585611	11/5/2012	115441	1858.57	NMEA 0183	12	2	2
661017.094454	4050414.972318	33,800		-109.200139	36.585637	11/5/2012	115456	1858.52	NMEA 0183	12	2	2
660987.396269	4050395.791781	33,800		-109.200475	36.585469	11/5/2012	115525	1859.31	NMEA 0183	12	2	2
660986.476687	4050395.032842	33,800		-109.200485	36.585462	11/5/2012	115526	1859.28	NMEA 0183	12	2	2
661000.428510	4050408.090151	33,800		-109.200327	36.585578	11/5/2012	121450	1859.05	NMEA 0183	12	2	2
660990.723540	4050409.449186	33,800		-109.200435	36.585591	11/5/2012	121503	1859.15	NMEA 0183	12	2	2
660989.617949	4050405.161286	33,800		-109.200448	36.585553	11/5/2012	121527	1859.17	NMEA 0183	12	2	2
660986.096857	4050400.977978	33,800		-109.200488	36.585516	11/5/2012	121532	1859.26	NMEA 0183	12	2	2
660983.408371	4050397.577876	33,800		-109.200519	36.585486	11/5/2012	121536	1859.32	NMEA 0183	12	2	2
661025.302260	4050411.915016	33,800		-109.200048	36.585608	11/5/2012	121703	1857.97	NMEA 0183	12	2	2
660913.640138	4050315.529833	33,800		-109.201316	36.584758	11/5/2012	122641	1861.72	NMEA 0183	12	2	2
660932.280509	4050333.293405	33,800		-109.201104	36.584915	11/5/2012	122740	1861.30	NMEA 0183	12	2	2
660917.994402	4050323.021118	33,800		-109.201265	36.584825	11/5/2012	122754	1861.43	NMEA 0183	12	2	2
660938.258256	4050343.942889	33,800		-109.201035	36.585010	11/5/2012	122856	1861.10	NMEA 0183	12	2	2
660923.602866	4050333.158718	33,800		-109.201201	36.584915	11/5/2012	122910	1861.50	NMEA 0183	12	2	2
660928.422484	4050341.289458	33,800		-109.201145	36.584988	11/5/2012	123000	1860.81	NMEA 0183	12	2	2
660905.288889	4050331.828211	33,800		-109.201406	36.584906	11/5/2012	123111	1861.34	NMEA 0183	12	2	2
660908.597105	4050339.976894	33,800		-109.201367	36.584979	11/5/2012	123252	1861.52	NMEA 0183	12	2	2
660936.996917	4050372.994278	33,800		-109.201043	36.585272	11/5/2012	123337	1860.58	NMEA 0183	12	2	2
660975.710814	4050386.688990	33,800		-109.200607	36.585389	11/5/2012	123653	1860.03	NMEA 0183	12	2	2
660979.684085	4050385.046891	33,800		-109.200563	36.585373	11/5/2012	123700	1860.09	NMEA 0183	12	2	2
660943.928719	4050354.033573	33,800		-109.200969	36.585100	11/5/2012	123756	1860.40	NMEA 0183	12	2	2
660945.305951	4050358.633596	33,800		-109.200953	36.585141	11/5/2012	123851	1861.10	NMEA 0183	12	2	2
660957.423753	4050351.180617	33,800		-109.200819	36.585072	11/5/2012	123955	1861.13	NMEA 0183	12	2	2
660959.877108	4050367.300205	33,800		-109.200788	36.585217	11/5/2012	124102	1860.90	NMEA 0183	12	2	2
660961.427014	4050365.067074	33,800		-109.200771	36.585196	11/5/2012	124105	1860.76	NMEA 0183	12	2	2
660972.392888	4050369.104913	33,800		-109.200648	36.585231	11/5/2012	124149	1860.57	NMEA 0183	12	2	2
661070.972762	4050361.214596	33,800		-109.199548	36.585143	11/6/2012	102109	1859.15	NMEA 0183	12	2	2
661070.587717	4050358.836100	33,800		-109.199553	36.585122	11/6/2012	102112	1859.17	NMEA 0183	12	2	2
661030.460895	4050325.724369	33,800		-109.200008	36.584830	11/6/2012	102337	1860.18	NMEA 0183	12	2	2
661016.368672	4050316.972277	33,800		-109.200168	36.584754	11/6/2012	102421	1860.47	NMEA 0183	12	2	2
660951.972721	4050260.525999	33,800		-109.200899	36.584256	11/6/2012	102816	1862.61	NMEA 0183	12	2	2
660925.661670	4050240.142100	33,800		-109.201197	36.584077	11/6/2012	102955	1863.38	NMEA 0183	12	2	2
660910.464938	4050227.266950	33,800		-109.201370	36.583963	11/6/2012	103045	1863.76	NMEA 0183	12	2	2
661056.014860	4050388.485260	33,800		-109.199710	36.585392	11/6/2012	105253	1858.65	NMEA 0183	12	2	2
661059.955238	4050391.864446	33,800		-109.199665	36.585421	11/6/2012	105257	1858.55	NMEA 0183	12	2	2
661063.371494	4050388.743309	33,800		-109.199627	36.585393	11/6/2012	105311	1858.60	NMEA 0183	12	2	2
661093.762119	4050385.770593	33,800		-109.199288	36.585361	11/6/2012	105556	1857.70	NMEA 0183	12	2	2
661111.912311	4050417.246285	33,800		-109.199079	36.585641	11/8/2012	104816	1857.44	NMEA 0183	12	2	2
661132.577355	4050419.910532	33,800		-109.198848	36.585662	11/8/2012	105111	1856.72	NMEA 0183	12	2	2
661125.582760	4050434.003435	33,800		-109.198923	36.585790	11/8/2012	105139	1857.00	NMEA 0183	12	2	2
661139.652644	4050419.260733	33,800		-109.198769	36.585655	11/8/2012	105203	1857.00	NMEA 0183	12	2	2
660919.059935	4050273.504994	33,800		-109.201264	36.584379	11/3/2012	134844	1863.23	NMEA 0183	12	2	2
660923.538124	4050268.000955	33,800		-109.201215	36.584328	11/3/2012	134850	1862.68	NMEA 0183	12	2	2
660902.633054	4050290.813821	33,800		-109.201444	36.584537	11/3/2012	134941	1862.87	NMEA 0183	12	2	2
660902.163200	4050277.023122	33,800		-109.201452	36.584413	11/3/2012	135419	1862.78	NMEA 0183	12	2	2
660900.677146	4050285.707606	33,800		-109.201472	36.584248	11/3/2012	135932	1863.50	NMEA 0183	12	2	2
660900.200500	4050255.561642	33,800		-109.201478	36.584220	11/3/2012	140015	1863.31	NMEA 0183	12	2	2
660897.780030	4050258.081838	33,800		-109.201505	36.584243	11/3/2012	140018	1863.19	NMEA 0183	12	2	2
660897.626485	4050248.989678	33,800		-109.201508	36.584161	11/3/2012	140250	1863.34	NMEA 0183	12	2	2
660890.697615	4050243.244408	33,800		-109.201587	36.584111	11/3/2012	140821	1863.25	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660889.942526	4050244.216152	33,800		-109.201595	36.584120	11/3/2012	140822	1863.13	NMEA 0183	12	2	2
660886.726200	4050242.234155	33,800		-109.201632	36.584102	11/3/2012	141008	1862.96	NMEA 0183	12	2	2
660830.713514	4050177.670316	33,800		-109.202271	36.583530	11/3/2012	142115	1865.51	NMEA 0183	12	2	2
660832.547298	4050176.130550	33,800		-109.202251	36.583516	11/3/2012	142157	1865.69	NMEA 0183	12	2	2
660879.167128	4050200.891274	33,800		-109.201725	36.583731	11/3/2012	142242	1864.32	NMEA 0183	12	2	2
660959.784428	4050373.126789	33,800		-109.200788	36.585269	11/5/2012	123637	1860.68	NMEA 0183	12	2	2
660914.109320	4050287.911913	33,800		-109.201316	36.584509	11/3/2012	134603	1862.79	NMEA 0183	12	2	2
660911.074173	4050287.647943	33,800		-109.201350	36.584507	11/3/2012	134711	1862.50	NMEA 0183	12	2	2
660895.128050	4050289.632000	33,800		-109.201528	36.584528	11/3/2012	135049	1862.88	NMEA 0183	12	2	2
660919.352341	4050253.339795	33,800		-109.201265	36.584197	11/3/2012	135354	1863.19	NMEA 0183	12	2	2
660880.068319	4050303.078442	33,800		-109.201693	36.584652	11/3/2012	135521	1862.72	NMEA 0183	12	2	2
660915.150870	4050251.311602	33,800		-109.201312	36.584179	11/3/2012	135610	1863.26	NMEA 0183	12	2	2
660906.234846	4050237.527446	33,800		-109.201415	36.584057	11/3/2012	140237	1863.08	NMEA 0183	12	2	2
660899.256340	4050247.028084	33,800		-109.201491	36.584143	11/3/2012	140248	1863.40	NMEA 0183	12	2	2
660893.660669	4050247.441273	33,800		-109.201553	36.584148	11/3/2012	140619	1863.51	NMEA 0183	12	2	2
660884.772687	4050230.960845	33,800		-109.201656	36.584001	11/3/2012	141211	1863.65	NMEA 0183	12	2	2
660884.376657	4050225.260145	33,800		-109.201661	36.583950	11/3/2012	141231	1863.57	NMEA 0183	12	2	2
660845.276352	4050186.245918	33,800		-109.202106	36.583605	11/3/2012	141933	1865.20	NMEA 0183	12	2	2
660849.512232	4050179.261270	33,800		-109.202061	36.583541	11/3/2012	141940	1864.90	NMEA 0183	12	2	2
660906.088609	4050299.061442	33,900		-109.201403	36.584611	11/3/2012	134551	1862.59	NMEA 0183	12	2	2
660894.659883	4050310.822327	33,900		-109.201529	36.584719	11/3/2012	134734	1862.43	NMEA 0183	12	2	2
660894.111591	4050311.903373	33,900		-109.201535	36.584729	11/3/2012	134735	1862.42	NMEA 0183	12	2	2
660909.996559	4050284.651652	33,900		-109.201363	36.584481	11/3/2012	134832	1862.75	NMEA 0183	12	2	2
660894.059204	4050301.949308	33,900		-109.201537	36.584639	11/3/2012	134952	1862.79	NMEA 0183	12	2	2
660881.845028	4050321.885857	33,900		-109.201670	36.584821	11/3/2012	135013	1862.57	NMEA 0183	12	2	2
660895.633615	4050288.442874	33,900		-109.201522	36.584517	11/3/2012	135050	1862.97	NMEA 0183	12	2	2
660901.100260	4050278.582849	33,900		-109.201463	36.584427	11/3/2012	135059	1862.90	NMEA 0183	12	2	2
660905.816883	4050269.504149	33,900		-109.201413	36.584345	11/3/2012	135107	1863.04	NMEA 0183	12	2	2
660902.618683	4050287.835580	33,900		-109.201445	36.584510	11/3/2012	135224	1862.80	NMEA 0183	12	2	2
660890.497296	4050293.246532	33,900		-109.201579	36.584561	11/3/2012	135435	1862.88	NMEA 0183	12	2	2
660887.443359	4050297.254960	33,900		-109.201612	36.584598	11/3/2012	135439	1862.97	NMEA 0183	12	2	2
660873.789308	4050317.133130	33,900		-109.201761	36.584779	11/3/2012	135501	1862.84	NMEA 0183	12	2	2
660873.045386	4050315.515544	33,900		-109.201769	36.584765	11/3/2012	135508	1862.82	NMEA 0183	12	2	2
660883.476049	4050297.620940	33,900		-109.201656	36.584602	11/3/2012	135526	1862.83	NMEA 0183	12	2	2
660871.732634	4050307.467105	33,900		-109.201786	36.584693	11/3/2012	135736	1863.00	NMEA 0183	12	2	2
660885.925656	4050283.977360	33,900		-109.201632	36.584479	11/3/2012	135814	1862.93	NMEA 0183	12	2	2
660886.166879	4050283.123627	33,900		-109.201629	36.584471	11/3/2012	135816	1862.88	NMEA 0183	12	2	2
660878.192752	4050292.104387	33,900		-109.201717	36.584553	11/3/2012	135859	1862.75	NMEA 0183	12	2	2
660880.326393	4050289.047962	33,900		-109.201693	36.584525	11/3/2012	135902	1862.71	NMEA 0183	12	2	2
660892.571438	4050270.014628	33,900		-109.201561	36.584352	11/3/2012	135921	1862.94	NMEA 0183	12	2	2
660882.609265	4050279.611115	33,900		-109.201670	36.584440	11/3/2012	140040	1862.87	NMEA 0183	12	2	2
660875.589445	4050289.090649	33,900		-109.201746	36.584526	11/3/2012	140050	1862.98	NMEA 0183	12	2	2
660861.690452	4050308.427849	33,900		-109.201898	36.584703	11/3/2012	140112	1862.84	NMEA 0183	12	2	2
660885.572715	4050264.495563	33,900		-109.201640	36.584303	11/3/2012	140306	1863.11	NMEA 0183	12	2	2
660865.913365	4050295.278013	33,900		-109.201853	36.584584	11/3/2012	140335	1862.85	NMEA 0183	12	2	2
660869.407067	4050285.305218	33,900		-109.201816	36.584493	11/3/2012	140407	1862.92	NMEA 0183	12	2	2
660872.186086	4050280.124497	33,900		-109.201786	36.584446	11/3/2012	140503	1863.05	NMEA 0183	12	2	2
660876.750509	4050247.688982	33,900		-109.201742	36.584153	11/3/2012	141108	1863.14	NMEA 0183	12	2	2
660868.282509	4050259.943677	33,900		-109.201834	36.584265	11/3/2012	141120	1863.32	NMEA 0183	12	2	2
660880.283758	4050217.109741	33,900		-109.201709	36.583877	11/3/2012	141353	1863.67	NMEA 0183	12	2	2
660863.244087	4050238.308132	33,900		-109.201895	36.584071	11/3/2012	141415	1863.72	NMEA 0183	12	2	2
660861.134743	4050206.580099	33,900		-109.201925	36.583785	11/3/2012	141705	1864.55	NMEA 0183	12	2	2
660858.326401	4050197.939532	33,900		-109.201958	36.583708	11/3/2012	141756	1864.85	NMEA 0183	12	2	2
660850.433030	4050197.897285	33,900		-109.202046	36.583709	11/3/2012	141849	1865.22	NMEA 0183	12	2	2
660822.614741	4050175.210433	33,900		-109.202362	36.583509	11/3/2012	142014	1865.62	NMEA 0183	12	2	2
660832.367462	4050181.996191	33,900		-109.202252	36.583569	11/3/2012	142024	1865.35	NMEA 0183	12	2	2
660834.894295	4050184.555313	33,900		-109.202223	36.583591	11/3/2012	142027	1865.26	NMEA 0183	12	2	2
660825.082904	4050172.931566	33,900		-109.202335	36.583488	11/3/2012	142109	1865.77	NMEA 0183	12	2	2
660857.308909	4050184.791530	33,900		-109.201972	36.583590	11/3/2012	142221	1864.93	NMEA 0183	12	2	2
660865.838156	4050190.792373	33,900		-109.201876	36.583642	11/3/2012	142229	1864.92	NMEA 0183	12	2	2
660878.296107	4050206.703290	33,900		-109.201733	36.583784	11/3/2012	142307	1863.98	NMEA 0183	12	2	2
660873.715528	4050199.901423	33,900		-109.201786	36.583723	11/3/2012	142327	1864.19	NMEA 0183	12	2	2
661041.301999	4050411.996450	33,900		-109.199869	36.585606	11/5/2012	115107	1858.79	NMEA 0183	12	2	2
661039.469822	4050410.663658	33,900		-109.199890	36.585594	11/5/2012	115109	1858.83	NMEA 0183	12	2	2
661036.621975	4050408.605267	33,900		-109.199922	36.585576	11/5/2012	115112	1858.89	NMEA 0183	12	2	2
661032.419589	4050420.726998	33,900		-109.199967	36.585686	11/5/2012	115208	1858.65	NMEA 0183	12	2	2
661033.033023	4050424.291711	33,900		-109.199959	36.585718	11/5/2012	115304	1858.55	NMEA 0183	12	2	2
660983.128780	4050391.159824	33,900		-109.200523	36.585428	11/5/2012	115408	1859.36	NMEA 0183	12	2	2
661001.479283	4050402.719882	33,900		-109.200316	36.585529	11/5/2012	115426	1859.05	NMEA 0183	12	2	2
660992.988230	4050407.122164	33,900		-109.200410	36.585570	11/5/2012	121457	1859.30	NMEA 0183	12	2	2
660987.551121	4050390.310400	33,900		-109.200474	36.585420	11/5/2012	121622	1858.66	NMEA 0183	12	2	2
660998.856673	4050397.395499	33,900		-109.200346	36.585481	11/5/2012	121634	1858.25	NMEA 0183	12	2	2
661018.822359	4050409.527797	33,900		-109.200121	36.585587	11/5/2012	121655	1858.00	NMEA 0183	12	2	2
661004.300488	4050397.678716	33,900		-109.200286	36.585483	11/5/2012	121726	1858.36	NMEA 0183	12	2	2
660985.531371	4050384.734657	33,900		-109.200498	36.585370	11/5/2012	121747	1859.05	NMEA 0183	12	2	2
660996.281426	4050390.657004	33,900		-109.200377	36.585421	11/5/2012	121758	1858.53	NMEA 0183	12	2	2
661006.745422	4050397.197348	33,900		-109.200258	36.585478	11/5/2012	121808	1858.29	NMEA 0183	12	2	2
661016.904674	4050399.141107	33,900		-109.200144	36.585494	11/5/2012	121844	1858.07	NMEA 0183	12	2	2
661001.221245	4050388.859147	33,900		-109.200322	36.585404	11/5/2012	121900	1858.64	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660910.096719	4050314.368507	33,900		-109.201355	36.584748	11/5/2012	122518	1861.62	NMEA 0183	12	2	2
660903.052137	4050324.851928	33,900		-109.201432	36.584844	11/5/2012	122528	1861.63	NMEA 0183	12	2	2
660895.127011	4050323.085145	33,900		-109.201521	36.584829	11/5/2012	122541	1861.67	NMEA 0183	12	2	2
660907.427800	4050309.122826	33,900		-109.201386	36.584701	11/5/2012	122602	1861.77	NMEA 0183	12	2	2
660904.591836	4050312.802386	33,900		-109.201417	36.584735	11/5/2012	122606	1861.77	NMEA 0183	12	2	2
660909.313293	4050313.347622	33,900		-109.201364	36.584739	11/5/2012	122635	1861.75	NMEA 0183	12	2	2
660931.636134	4050328.988254	33,900		-109.201112	36.584876	11/5/2012	122702	1861.28	NMEA 0183	12	2	2
660935.255265	4050337.499755	33,900		-109.201070	36.584952	11/5/2012	122834	1861.22	NMEA 0183	12	2	2
660940.204530	4050341.572899	33,900		-109.201013	36.584988	11/5/2012	122839	1861.08	NMEA 0183	12	2	2
660902.305513	4050320.509722	33,900		-109.201441	36.584805	11/5/2012	122932	1861.65	NMEA 0183	12	2	2
660927.410470	4050340.447411	33,900		-109.201157	36.584980	11/5/2012	122959	1860.81	NMEA 0183	12	2	2
660940.719393	4050353.353853	33,900		-109.201005	36.585094	11/5/2012	123019	1860.72	NMEA 0183	12	2	2
660929.758896	4050353.170874	33,900		-109.201128	36.585095	11/5/2012	123153	1860.90	NMEA 0183	12	2	2
660905.463325	4050338.129609	33,900		-109.201402	36.584963	11/5/2012	123249	1861.51	NMEA 0183	12	2	2
660906.495346	4050338.859198	33,900		-109.201391	36.584970	11/5/2012	123250	1861.58	NMEA 0183	12	2	2
660933.556070	4050371.853357	33,900		-109.201081	36.585262	11/5/2012	123334	1860.54	NMEA 0183	12	2	2
660943.832243	4050372.175205	33,900		-109.200966	36.585263	11/5/2012	123357	1860.47	NMEA 0183	12	2	2
660944.367488	4050346.532116	33,900		-109.200966	36.585032	11/5/2012	123548	1860.76	NMEA 0183	12	2	2
660939.181750	4050352.143127	33,900		-109.201023	36.585084	11/5/2012	123555	1860.93	NMEA 0183	12	2	2
660937.704159	4050356.569478	33,900		-109.201038	36.585124	11/5/2012	123600	1860.81	NMEA 0183	12	2	2
660985.097381	4050377.879041	33,900		-109.200504	36.585308	11/5/2012	123707	1860.06	NMEA 0183	12	2	2
660944.822487	4050353.143965	33,900		-109.200959	36.585092	11/5/2012	123755	1860.45	NMEA 0183	12	2	2
660947.275625	4050351.985753	33,900		-109.200932	36.585081	11/5/2012	123803	1860.72	NMEA 0183	12	2	2
660953.889505	4050354.072076	33,900		-109.200858	36.585099	11/5/2012	123840	1860.96	NMEA 0183	12	2	2
660942.285248	4050367.161377	33,900		-109.200985	36.585219	11/5/2012	123927	1860.92	NMEA 0183	12	2	2
660954.720363	4050360.367270	33,900		-109.200847	36.585155	11/5/2012	124008	1860.99	NMEA 0183	12	2	2
660970.381297	4050377.671926	33,900		-109.200669	36.585309	11/5/2012	124202	1860.36	NMEA 0183	12	2	2
660978.403907	4050379.327777	33,900		-109.200579	36.585322	11/5/2012	124242	1860.14	NMEA 0183	12	2	2
661047.470684	4050343.563095	33,900		-109.199814	36.584988	11/6/2012	102229	1859.94	NMEA 0183	12	2	2
661022.082400	4050319.731722	33,900		-109.200103	36.584778	11/6/2012	102407	1860.40	NMEA 0183	12	2	2
660929.969101	4050243.443005	33,900		-109.201148	36.584106	11/6/2012	102938	1862.91	NMEA 0183	12	2	2
660912.321372	4050293.538445	33,900		-109.201335	36.584560	11/6/2012	104304	1862.09	NMEA 0183	12	2	2
660909.763237	4050293.451723	33,900		-109.201364	36.584560	11/6/2012	104315	1861.92	NMEA 0183	12	2	2
660914.205683	4050293.124243	33,900		-109.201314	36.584556	11/6/2012	104334	1862.08	NMEA 0183	12	2	2
661062.759053	4050401.209736	33,900		-109.199632	36.585505	11/6/2012	105229	1858.71	NMEA 0183	12	2	2
661053.990383	4050386.827020	33,900		-109.199733	36.585377	11/6/2012	105251	1858.75	NMEA 0183	12	2	2
661054.993848	4050387.646727	33,900		-109.199721	36.585384	11/6/2012	105252	1858.76	NMEA 0183	12	2	2
661062.001906	4050393.452816	33,900		-109.199642	36.585435	11/6/2012	105259	1858.54	NMEA 0183	12	2	2
661059.644422	4050385.364418	33,900		-109.199670	36.585363	11/6/2012	105316	1858.80	NMEA 0183	12	2	2
661059.772535	4050380.914653	33,900		-109.199669	36.585323	11/6/2012	105329	1858.87	NMEA 0183	12	2	2
661077.283680	4050375.408855	33,900		-109.199475	36.585270	11/6/2012	105447	1858.33	NMEA 0183	12	2	2
661087.629770	4050380.040076	33,900		-109.199358	36.585310	11/6/2012	105459	1857.92	NMEA 0183	12	2	2
661079.893854	4050372.318863	33,900		-109.199446	36.585242	11/6/2012	105508	1858.35	NMEA 0183	12	2	2
661079.656657	4050370.568327	33,900		-109.199449	36.585226	11/6/2012	105510	1858.48	NMEA 0183	12	2	2
661086.595278	4050375.781239	33,900		-109.199371	36.585272	11/6/2012	105518	1858.05	NMEA 0183	12	2	2
661095.532380	4050384.198248	33,900		-109.199269	36.585346	11/6/2012	105558	1857.67	NMEA 0183	12	2	2
661098.395832	4050390.836745	33,900		-109.199236	36.585406	11/6/2012	105612	1857.61	NMEA 0183	12	2	2
661122.137605	4050407.704929	33,900		-109.198967	36.585554	11/6/2012	105718	1857.39	NMEA 0183	12	2	2
661134.155815	4050412.654248	33,900		-109.198831	36.585596	11/8/2012	104717	1857.32	NMEA 0183	12	2	2
661130.848017	4050410.385588	33,900		-109.198869	36.585576	11/8/2012	104721	1857.33	NMEA 0183	12	2	2
661103.438162	4050432.683936	33,900		-109.199170	36.585782	11/8/2012	104756	1857.50	NMEA 0183	12	2	2
661113.534971	4050415.033039	33,900		-109.199061	36.585621	11/8/2012	104820	1857.47	NMEA 0183	12	2	2
661128.389458	4050417.085273	33,900		-109.198895	36.585637	11/8/2012	104926	1857.40	NMEA 0183	12	2	2
661129.292344	4050448.977642	33,900		-109.198878	36.585924	11/8/2012	105414	1856.64	NMEA 0183	12	2	2
661122.312937	4050458.361559	33,900		-109.198954	36.586010	11/8/2012	105424	1856.66	NMEA 0183	12	2	2
660896.165997	4050222.850532	33,900		-109.201530	36.583926	11/3/2012	141042	1863.61	NMEA 0183	12	2	2
660900.727008	4050221.609674	33,900		-109.201480	36.583914	11/3/2012	141030	1863.40	NMEA 0183	12	2	2
660908.072990	4050300.154744	34,000		-109.201381	36.584621	11/3/2012	134459	1862.15	NMEA 0183	12	2	2
660897.016254	4050316.110246	34,000		-109.201501	36.584766	11/3/2012	134516	1862.49	NMEA 0183	12	2	2
660887.326249	4050322.404605	34,000		-109.201608	36.584825	11/3/2012	134746	1862.54	NMEA 0183	12	2	2
660909.959475	4050262.084960	34,000		-109.201368	36.584277	11/3/2012	135114	1863.31	NMEA 0183	12	2	2
660904.563856	4050284.807078	34,000		-109.201423	36.584483	11/3/2012	135221	1862.60	NMEA 0183	12	2	2
660921.123861	4050257.756675	34,000		-109.201244	36.584236	11/3/2012	135337	1863.43	NMEA 0183	12	2	2
660899.808606	4050279.929282	34,000		-109.201478	36.584440	11/3/2012	135422	1862.87	NMEA 0183	12	2	2
660899.260288	4050274.395901	34,000		-109.201485	36.584390	11/3/2012	135548	1862.81	NMEA 0183	12	2	2
660878.290187	4050295.905436	34,000		-109.201715	36.584587	11/3/2012	135800	1863.00	NMEA 0183	12	2	2
660871.041176	4050303.364543	34,000		-109.201794	36.584656	11/3/2012	135848	1862.68	NMEA 0183	12	2	2
660887.222804	4050272.213677	34,000		-109.201620	36.584372	11/3/2012	140033	1863.03	NMEA 0183	12	2	2
660864.790397	4050300.604401	34,000		-109.201865	36.584632	11/3/2012	140122	1862.79	NMEA 0183	12	2	2
660870.325246	4050283.589256	34,000		-109.201806	36.584478	11/3/2012	140418	1862.98	NMEA 0183	12	2	2
660870.422446	4050283.496741	34,000		-109.201805	36.584477	11/3/2012	140452	1863.21	NMEA 0183	12	2	2
660879.180912	4050267.516697	34,000		-109.201711	36.584331	11/3/2012	140558	1863.17	NMEA 0183	12	2	2
660879.939758	4050259.568061	34,000		-109.201704	36.584260	11/3/2012	140837	1862.98	NMEA 0183	12	2	2
660878.098279	4050262.635501	34,000		-109.201724	36.584288	11/3/2012	140840	1862.88	NMEA 0183	12	2	2
660862.369035	4050288.743395	34,000		-109.201894	36.584525	11/3/2012	140905	1863.05	NMEA 0183	12	2	2
660872.223253	4050253.584257	34,000		-109.201791	36.584207	11/3/2012	141114	1863.21	NMEA 0183	12	2	2
660860.785684	4050230.020000	34,000		-109.201924	36.583997	11/3/2012	141540	1864.20	NMEA 0183	12	2	2
660862.063128	4050228.077700	34,000		-109.201910	36.583979	11/3/2012	141542	1864.16	NMEA 0183	12	2	2
660852.864685	4050213.755616	34,000		-109.202016	36.583851	11/3/2012	141719	1864.55	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660858.211488	4050194.434105	34,000		-109.201960	36.583676	11/3/2012	141823	1864.67	NMEA 0183	12	2	2
660847.515429	4050197.248957	34,000		-109.202079	36.583704	11/3/2012	141853	1865.04	NMEA 0183	12	2	2
660842.120663	4050173.684956	34,000		-109.202144	36.583492	11/3/2012	141948	1865.08	NMEA 0183	12	2	2
660821.759035	4050173.107999	34,000		-109.202372	36.583490	11/3/2012	142012	1865.61	NMEA 0183	12	2	2
661049.843553	4050403.784832	34,000		-109.199775	36.585530	11/5/2012	114949	1858.76	NMEA 0183	12	2	2
661023.528912	4050416.918462	34,000		-109.200067	36.585653	11/5/2012	115218	1858.68	NMEA 0183	12	2	2
661020.927253	4050422.183845	34,000		-109.200095	36.585701	11/5/2012	115224	1858.69	NMEA 0183	12	2	2
661034.970682	4050425.328680	34,000		-109.199937	36.585727	11/5/2012	115309	1858.47	NMEA 0183	12	2	2
661016.631000	4050410.248820	34,000		-109.200145	36.585594	11/5/2012	115330	1858.81	NMEA 0183	12	2	2
660996.174974	4050399.686965	34,000		-109.200376	36.585503	11/5/2012	115421	1859.06	NMEA 0183	12	2	2
660989.375355	4050397.166155	34,000		-109.200452	36.585481	11/5/2012	115523	1859.13	NMEA 0183	12	2	2
661020.979382	4050419.719206	34,000		-109.200095	36.585679	11/5/2012	121430	1858.66	NMEA 0183	12	2	2
661003.710097	4050409.370542	34,000		-109.200290	36.585589	11/5/2012	121447	1859.05	NMEA 0183	12	2	2
660984.581643	4050388.373677	34,000		-109.200508	36.585403	11/5/2012	121619	1858.80	NMEA 0183	12	2	2
660992.259093	4050382.890738	34,000		-109.200423	36.585352	11/5/2012	121909	1859.05	NMEA 0183	12	2	2
660901.255702	4050318.100298	34,000		-109.201453	36.584783	11/5/2012	122611	1861.78	NMEA 0183	12	2	2
660947.628843	4050342.361120	34,000		-109.200930	36.584994	11/5/2012	122719	1860.81	NMEA 0183	12	2	2
660915.029685	4050324.175313	34,000		-109.201298	36.584836	11/5/2012	122815	1861.51	NMEA 0183	12	2	2
660923.182792	4050329.939824	34,000		-109.201206	36.584886	11/5/2012	122823	1861.32	NMEA 0183	12	2	2
660928.681004	4050333.455386	34,000		-109.201144	36.584917	11/5/2012	122828	1861.33	NMEA 0183	12	2	2
660921.518678	4050313.739851	34,000		-109.201224	36.584903	11/5/2012	122912	1861.49	NMEA 0183	12	2	2
660905.346091	4050319.845256	34,000		-109.201407	36.584798	11/5/2012	122928	1861.73	NMEA 0183	12	2	2
660915.983751	4050335.923791	34,000		-109.201285	36.584942	11/5/2012	123046	1861.20	NMEA 0183	12	2	2
660918.566519	4050341.308438	34,000		-109.201255	36.584990	11/5/2012	123125	1861.27	NMEA 0183	12	2	2
660925.775388	4050346.195181	34,000		-109.201174	36.585032	11/5/2012	123133	1861.06	NMEA 0183	12	2	2
660916.933402	4050342.887085	34,000		-109.201273	36.585004	11/5/2012	123207	1861.24	NMEA 0183	12	2	2
660915.950899	4050342.062238	34,000		-109.201284	36.584997	11/5/2012	123208	1861.30	NMEA 0183	12	2	2
660912.003331	4050339.461699	34,000		-109.201329	36.584974	11/5/2012	123212	1861.42	NMEA 0183	12	2	2
660900.174849	4050331.297826	34,000		-109.201463	36.584903	11/5/2012	123224	1861.63	NMEA 0183	12	2	2
660904.566512	4050337.348910	34,000		-109.201412	36.584956	11/5/2012	123248	1861.61	NMEA 0183	12	2	2
660935.924624	4050363.897862	34,000		-109.201057	36.585190	11/5/2012	123324	1860.80	NMEA 0183	12	2	2
660941.454156	4050373.388463	34,000		-109.200993	36.585275	11/5/2012	123341	1860.62	NMEA 0183	12	2	2
660954.664782	4050353.296780	34,000		-109.200849	36.585092	11/5/2012	123839	1860.98	NMEA 0183	12	2	2
660951.300884	4050358.483174	34,000		-109.200886	36.585139	11/5/2012	123947	1861.04	NMEA 0183	12	2	2
660961.103262	4050354.473485	34,000		-109.200777	36.585101	11/5/2012	124038	1860.92	NMEA 0183	12	2	2
660961.203733	4050365.440226	34,000		-109.200774	36.585200	11/5/2012	124104	1860.78	NMEA 0183	12	2	2
660963.075636	4050363.457280	34,000		-109.200753	36.585182	11/5/2012	124108	1860.79	NMEA 0183	12	2	2
660964.689158	4050361.650765	34,000		-109.200736	36.585165	11/5/2012	124110	1860.78	NMEA 0183	12	2	2
660968.741992	4050378.863866	34,000		-109.200687	36.585320	11/5/2012	124200	1860.39	NMEA 0183	12	2	2
660983.810765	4050373.698733	34,000		-109.200519	36.585270	11/5/2012	124249	1860.22	NMEA 0183	12	2	2
661072.076332	4050370.306073	34,000		-109.199534	36.585225	11/6/2012	102028	1859.20	NMEA 0183	12	2	2
661020.237986	4050322.157242	34,000		-109.200123	36.584800	11/6/2012	102404	1860.44	NMEA 0183	12	2	2
660910.123307	4050288.161002	34,000		-109.201361	36.584512	11/6/2012	104256	1861.95	NMEA 0183	12	2	2
661051.441463	4050394.690325	34,000		-109.199759	36.585448	11/6/2012	105217	1858.69	NMEA 0183	12	2	2
661059.852526	4050402.204049	34,000		-109.199664	36.585514	11/6/2012	105226	1858.76	NMEA 0183	12	2	2
661053.973661	4050391.382453	34,000		-109.199732	36.585418	11/6/2012	105240	1858.66	NMEA 0183	12	2	2
661110.614815	4050392.397487	34,000		-109.199099	36.585418	11/6/2012	105636	1857.66	NMEA 0183	12	2	2
661125.928249	4050414.216540	34,000		-109.198923	36.585612	11/6/2012	105737	1857.31	NMEA 0183	12	2	2
661115.788655	4050444.496201	34,000		-109.199030	36.585886	11/8/2012	105029	1857.04	NMEA 0183	12	2	2
661120.291948	4050442.828957	34,000		-109.198980	36.585870	11/8/2012	105047	1856.93	NMEA 0183	12	2	2
661128.422845	4050424.854533	34,000		-109.198893	36.585707	11/8/2012	105106	1856.95	NMEA 0183	12	2	2
661127.345434	4050455.836740	34,000		-109.198899	36.585986	11/8/2012	105435	1856.54	NMEA 0183	12	2	2
661142.807304	4050435.110539	34,000		-109.198730	36.585797	11/8/2012	105455	1856.29	NMEA 0183	12	2	2
660898.834509	4050313.406760	34,100		-109.201482	36.584742	11/3/2012	134513	1862.33	NMEA 0183	12	2	2
660903.283381	4050303.091166	34,100		-109.201434	36.584648	11/3/2012	134547	1862.79	NMEA 0183	12	2	2
660899.852399	4050302.298184	34,100		-109.201472	36.584641	11/3/2012	134726	1862.51	NMEA 0183	12	2	2
660889.570086	4050315.771131	34,100		-109.201585	36.584764	11/3/2012	134801	1862.58	NMEA 0183	12	2	2
660898.503658	4050301.673648	34,100		-109.201488	36.584636	11/3/2012	134815	1862.62	NMEA 0183	12	2	2
660913.060574	4050278.113068	34,100		-109.201330	36.584421	11/3/2012	134928	1863.10	NMEA 0183	12	2	2
660908.252201	4050283.964220	34,100		-109.201382	36.584475	11/3/2012	134934	1862.58	NMEA 0183	12	2	2
660904.309057	4050288.777255	34,100		-109.201425	36.584519	11/3/2012	134939	1862.84	NMEA 0183	12	2	2
660883.744783	4050313.631178	34,100		-109.201650	36.584746	11/3/2012	135028	1862.73	NMEA 0183	12	2	2
660900.413275	4050290.661297	34,100		-109.201469	36.584536	11/3/2012	135227	1863.00	NMEA 0183	12	2	2
660894.252935	4050297.256617	34,100		-109.201536	36.584597	11/3/2012	135257	1862.98	NMEA 0183	12	2	2
660896.982440	4050292.809297	34,100		-109.201506	36.584556	11/3/2012	135301	1863.21	NMEA 0183	12	2	2
660913.018083	4050262.610173	34,100		-109.201334	36.584281	11/3/2012	135404	1863.19	NMEA 0183	12	2	2
660899.272658	4050265.525106	34,100		-109.201487	36.584310	11/3/2012	135655	1863.17	NMEA 0183	12	2	2
660888.399389	4050276.617567	34,100		-109.201606	36.584412	11/3/2012	135914	1862.87	NMEA 0183	12	2	2
660898.444724	4050261.701138	34,100		-109.201497	36.584276	11/3/2012	135929	1863.32	NMEA 0183	12	2	2
660903.641074	4050254.647556	34,100		-109.201440	36.584211	11/3/2012	135936	1863.29	NMEA 0183	12	2	2
660905.073639	4050252.626780	34,100		-109.201425	36.584193	11/3/2012	135938	1863.15	NMEA 0183	12	2	2
660885.973007	4050274.352555	34,100		-109.201633	36.584392	11/3/2012	140035	1862.96	NMEA 0183	12	2	2
660876.313667	4050288.173816	34,100		-109.201738	36.584518	11/3/2012	140049	1862.95	NMEA 0183	12	2	2
660862.279069	4050308.858738	34,100		-109.201891	36.584707	11/3/2012	140111	1862.85	NMEA 0183	12	2	2
660862.799119	4050305.220916	34,100		-109.201886	36.584674	11/3/2012	140117	1862.84	NMEA 0183	12	2	2
660890.942314	4050263.488094	34,100		-109.201580	36.584293	11/3/2012	140200	1862.86	NMEA 0183	12	2	2
660891.046457	4050257.683924	34,100		-109.201580	36.584241	11/3/2012	140259	1862.95	NMEA 0183	12	2	2
660871.706591	4050281.036661	34,100		-109.201791	36.584454	11/3/2012	140502	1863.01	NMEA 0183	12	2	2
660882.475394	4050255.516637	34,100		-109.201676	36.584223	11/3/2012	140833	1862.85	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660880.379655	4050236.777242	34,100		-109.201704	36.584054	11/3/2012	141205	1863.23	NMEA 0183	12	2	2
660873.442166	4050232.687281	34,100		-109.201782	36.584018	11/3/2012	141329	1863.59	NMEA 0183	12	2	2
660874.184711	4050219.231868	34,100		-109.201777	36.583897	11/3/2012	141450	1863.43	NMEA 0183	12	2	2
660861.436073	4050228.983405	34,100		-109.201917	36.583987	11/3/2012	141541	1864.18	NMEA 0183	12	2	2
660873.346933	4050209.555359	34,100		-109.201788	36.583810	11/3/2012	141600	1864.03	NMEA 0183	12	2	2
660867.140512	4050199.876430	34,100		-109.201859	36.583724	11/3/2012	141657	1864.02	NMEA 0183	12	2	2
660856.613749	4050213.096988	34,100		-109.201974	36.583845	11/3/2012	141712	1864.52	NMEA 0183	12	2	2
660854.308446	4050215.521319	34,100		-109.201999	36.583867	11/3/2012	141715	1864.49	NMEA 0183	12	2	2
660851.461650	4050206.304787	34,100		-109.202033	36.583784	11/3/2012	141805	1865.03	NMEA 0183	12	2	2
660851.160824	4050202.849523	34,100		-109.202037	36.583753	11/3/2012	141813	1865.18	NMEA 0183	12	2	2
660862.241038	4050189.787287	34,100		-109.201916	36.583634	11/3/2012	141829	1864.93	NMEA 0183	12	2	2
660831.391147	4050181.317595	34,100		-109.202263	36.583563	11/3/2012	142023	1865.29	NMEA 0183	12	2	2
660877.971118	4050203.184683	34,100		-109.201738	36.583752	11/3/2012	142331	1864.14	NMEA 0183	12	2	2
661048.902130	4050403.077268	34,100		-109.199786	36.585524	11/5/2012	114950	1858.81	NMEA 0183	12	2	2
661045.187633	4050408.423530	34,100		-109.199826	36.585573	11/5/2012	115035	1858.76	NMEA 0183	12	2	2
661007.198457	4050403.672290	34,100		-109.200252	36.585537	11/5/2012	115340	1858.93	NMEA 0183	12	2	2
660987.089655	4050393.764347	34,100		-109.200479	36.585451	11/5/2012	115412	1859.28	NMEA 0183	12	2	2
660995.193773	4050399.032303	34,100		-109.200387	36.585497	11/5/2012	115420	1859.07	NMEA 0183	12	2	2
661021.049788	4050417.314100	34,100		-109.200094	36.585657	11/5/2012	115452	1858.51	NMEA 0183	12	2	2
661005.602080	4050411.253799	34,100		-109.200268	36.585605	11/5/2012	121411	1858.88	NMEA 0183	12	2	2
660984.118844	4050398.351396	34,100		-109.200511	36.585493	11/5/2012	121535	1859.27	NMEA 0183	12	2	2
660988.715774	4050399.489941	34,100		-109.200459	36.585502	11/5/2012	121550	1859.09	NMEA 0183	12	2	2
661012.916314	4050406.048926	34,100		-109.200187	36.585557	11/5/2012	121649	1858.01	NMEA 0183	12	2	2
661015.898994	4050398.598814	34,100		-109.200156	36.585489	11/5/2012	121845	1858.08	NMEA 0183	12	2	2
660921.103276	4050320.859702	34,100		-109.201231	36.584805	11/5/2012	122651	1861.51	NMEA 0183	12	2	2
660924.283257	4050327.570646	34,100		-109.201194	36.584865	11/5/2012	122748	1861.43	NMEA 0183	12	2	2
660909.338401	4050327.707096	34,100		-109.201361	36.584869	11/5/2012	122941	1861.56	NMEA 0183	12	2	2
660904.254369	4050331.072679	34,100		-109.201417	36.584900	11/5/2012	123110	1861.35	NMEA 0183	12	2	2
660943.843687	4050372.201314	34,100		-109.200966	36.585264	11/5/2012	123352	1860.57	NMEA 0183	12	2	2
660943.851351	4050372.190360	34,100		-109.200966	36.585264	11/5/2012	123353	1860.58	NMEA 0183	12	2	2
660949.131085	4050373.509985	34,100		-109.200907	36.585275	11/5/2012	123408	1860.53	NMEA 0183	12	2	2
660939.946140	4050361.431695	34,100		-109.201012	36.585167	11/5/2012	123605	1860.70	NMEA 0183	12	2	2
660962.942274	4050375.679271	34,100		-109.200752	36.585292	11/5/2012	123640	1860.53	NMEA 0183	12	2	2
660942.698309	4050370.435631	34,100		-109.200979	36.585248	11/5/2012	123934	1861.04	NMEA 0183	12	2	2
660958.204822	4050350.414678	34,100		-109.200810	36.585065	11/5/2012	123956	1861.19	NMEA 0183	12	2	2
660958.619470	4050354.639695	34,100		-109.200805	36.585103	11/5/2012	124002	1860.95	NMEA 0183	12	2	2
660963.186434	4050358.097154	34,100		-109.200753	36.585133	11/5/2012	124043	1861.08	NMEA 0183	12	2	2
660966.873701	4050364.480973	34,100		-109.200711	36.585190	11/5/2012	124119	1860.81	NMEA 0183	12	2	2
660976.174495	4050382.080888	34,100		-109.200603	36.585347	11/5/2012	124239	1860.07	NMEA 0183	12	2	2
660918.496377	4050232.762821	34,100		-109.201279	36.584012	11/6/2012	103025	1863.60	NMEA 0183	12	2	2
660909.259874	4050287.987620	34,100		-109.201370	36.584511	11/6/2012	104257	1861.98	NMEA 0183	12	2	2
660908.566957	4050288.745964	34,100		-109.201378	36.584518	11/6/2012	104258	1862.03	NMEA 0183	12	2	2
661047.429473	4050403.893132	34,100		-109.199802	36.585532	11/6/2012	105143	1858.70	NMEA 0183	12	2	2
661054.330104	4050397.278492	34,100		-109.199727	36.585471	11/6/2012	105220	1858.68	NMEA 0183	12	2	2
661065.066215	4050390.406472	34,100		-109.199608	36.585407	11/6/2012	105309	1858.62	NMEA 0183	12	2	2
661128.954967	4050407.048438	34,100		-109.198891	36.585546	11/6/2012	105728	1857.54	NMEA 0183	12	2	2
661129.889272	4050407.578309	34,100		-109.198880	36.585551	11/6/2012	105729	1857.49	NMEA 0183	12	2	2
661112.749916	4050416.568354	34,100		-109.199070	36.585635	11/8/2012	104817	1857.44	NMEA 0183	12	2	2
661123.579925	4050422.755019	34,100		-109.198948	36.585689	11/8/2012	104920	1857.80	NMEA 0183	12	2	2
661135.135504	4050412.513538	34,100		-109.198821	36.585595	11/8/2012	104934	1857.40	NMEA 0183	12	2	2
661138.070925	4050414.593951	34,100		-109.198787	36.585613	11/8/2012	105118	1857.10	NMEA 0183	12	2	2
660901.118681	4050236.469867	34,100		-109.201472	36.584048	11/3/2012	140630	1863.40	NMEA 0183	12	2	2
660874.709201	4050244.933618	34,100		-109.201765	36.584129	11/3/2012	141157	1863.27	NMEA 0183	12	2	2
660854.385122	4050202.732278	34,100		-109.202001	36.583752	11/3/2012	141801	1865.06	NMEA 0183	12	2	2
660976.104377	4050367.343231	34,100		-109.200607	36.585214	11/5/2012	123721	1860.66	NMEA 0183	12	2	2
660888.996253	4050208.692150	34,100		-109.201613	36.583800	11/6/2012	103209	1864.40	NMEA 0183	12	2	2
660911.300144	4050286.891957	34,100		-109.201348	36.584501	11/6/2012	104226	1861.95	NMEA 0183	12	2	2
660914.578020	4050289.330136	34,100		-109.201311	36.584522	11/6/2012	104234	1862.10	NMEA 0183	12	2	2
661088.818846	4050373.740169	34,100		-109.199346	36.585253	11/6/2012	105541	1858.26	NMEA 0183	12	2	2
660935.176795	4050260.329960	34,100		-109.201087	36.584257	11/3/2012	134348	1862.78	NMEA 0183	12	2	2
660929.708605	4050268.197840	34,100		-109.201146	36.584329	11/3/2012	134424	1862.50	NMEA 0183	12	2	2
660919.609929	4050280.621729	34,100		-109.201256	36.584443	11/3/2012	134611	1863.11	NMEA 0183	12	2	2
660905.172986	4050295.380105	34,100		-109.201414	36.584578	11/3/2012	134719	1862.47	NMEA 0183	12	2	2
660913.835328	4050277.206433	34,100		-109.201321	36.584413	11/3/2012	134927	1863.11	NMEA 0183	12	2	2
660902.829713	4050275.045349	34,100		-109.201445	36.584395	11/3/2012	135102	1862.73	NMEA 0183	12	2	2
660915.819861	4050252.309999	34,100		-109.201305	36.584188	11/3/2012	135123	1863.08	NMEA 0183	12	2	2
660917.104453	4050250.225416	34,100		-109.201291	36.584169	11/3/2012	135125	1863.50	NMEA 0183	12	2	2
660924.606200	4050258.038267	34,100		-109.201205	36.584238	11/3/2012	135153	1863.23	NMEA 0183	12	2	2
660935.155191	4050260.368398	34,100		-109.201087	36.584258	11/3/2012	134400	1862.67	NMEA 0183	12	2	2
660935.140002	4050260.382911	34,100		-109.201087	36.584258	11/3/2012	134408	1862.65	NMEA 0183	12	2	2
660912.120742	4050290.469784	34,100		-109.201338	36.584533	11/3/2012	134600	1862.69	NMEA 0183	12	2	2
660925.162240	4050272.960731	34,100		-109.201196	36.584373	11/3/2012	134619	1863.05	NMEA 0183	12	2	2
660935.604649	4050259.069093	34,100		-109.201082	36.584246	11/3/2012	134634	1863.13	NMEA 0183	12	2	2
660924.947717	4050266.410726	34,100		-109.201200	36.584314	11/3/2012	134852	1863.02	NMEA 0183	12	2	2
660920.759500	4050263.435747	34,100		-109.201247	36.584288	11/3/2012	135159	1862.73	NMEA 0183	12	2	2
660907.604124	4050236.337839	34,100		-109.201400	36.584046	11/3/2012	140234	1863.32	NMEA 0183	12	2	2
660886.198189	4050229.237731	34,100		-109.201640	36.583985	11/3/2012	141213	1863.61	NMEA 0183	12	2	2
660846.919764	4050184.277169	34,100		-109.202089	36.583587	11/3/2012	142213	1865.31	NMEA 0183	12	2	2
660978.079669	4050366.849361	34,100		-109.200585	36.585210	11/5/2012	124214	1860.68	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661089.616148	4050374.576364	34,100		-109.199337	36.585261	11/6/2012	105524	1858.20	NMEA 0183	12	2	2
660932.237837	4050264.808492	34,100		-109.201118	36.584298	11/3/2012	134420	1862.46	NMEA 0183	12	2	2
660908.762075	4050238.788129	34,100		-109.201386	36.584068	11/3/2012	140228	1862.90	NMEA 0183	12	2	2
660909.135942	4050237.781507	34,100		-109.201382	36.584058	11/3/2012	140231	1863.12	NMEA 0183	12	2	2
660903.760370	4050240.780950	34,100		-109.201442	36.584086	11/3/2012	140241	1863.27	NMEA 0183	12	2	2
660902.221295	4050231.355814	34,100		-109.201461	36.584002	11/3/2012	140805	1863.18	NMEA 0183	12	2	2
660878.024667	4050233.007936	34,100		-109.201731	36.584021	11/3/2012	141239	1863.33	NMEA 0183	12	2	2
661086.725743	4050372.162021	34,100		-109.199370	36.585239	11/6/2012	105527	1858.35	NMEA 0183	12	2	2
660892.753865	4050318.853076	34,200		-109.201548	36.584792	11/3/2012	134531	1862.71	NMEA 0183	12	2	2
660895.906599	4050314.028944	34,200		-109.201514	36.584748	11/3/2012	134536	1862.63	NMEA 0183	12	2	2
660895.877387	4050308.575565	34,200		-109.201516	36.584699	11/3/2012	134732	1862.50	NMEA 0183	12	2	2
660892.949534	4050314.056839	34,200		-109.201547	36.584748	11/3/2012	134737	1862.51	NMEA 0183	12	2	2
660910.525351	4050260.941356	34,200		-109.201362	36.584267	11/3/2012	135115	1863.16	NMEA 0183	12	2	2
660892.096469	4050301.054329	34,200		-109.201559	36.584631	11/3/2012	135238	1863.01	NMEA 0183	12	2	2
660909.717130	4050267.142977	34,200		-109.201370	36.584323	11/3/2012	135409	1863.33	NMEA 0183	12	2	2
660906.010692	4050271.901251	34,200		-109.201410	36.584366	11/3/2012	135414	1863.12	NMEA 0183	12	2	2
660891.315357	4050292.257470	34,200		-109.201570	36.584552	11/3/2012	135434	1862.88	NMEA 0183	12	2	2
660881.427069	4050306.675584	34,200		-109.201677	36.584684	11/3/2012	135448	1862.96	NMEA 0183	12	2	2
660873.361224	4050316.812525	34,200		-109.201765	36.584777	11/3/2012	135502	1862.85	NMEA 0183	12	2	2
660888.454292	4050290.184087	34,200		-109.201602	36.584534	11/3/2012	135533	1862.86	NMEA 0183	12	2	2
660902.128973	4050270.084363	34,200		-109.201454	36.584351	11/3/2012	135552	1862.92	NMEA 0183	12	2	2
660871.041773	4050308.354968	34,200		-109.201793	36.584701	11/3/2012	135737	1863.01	NMEA 0183	12	2	2
660885.453455	4050285.217052	34,200		-109.201637	36.584490	11/3/2012	135811	1862.96	NMEA 0183	12	2	2
660885.899060	4050284.043451	34,200		-109.201632	36.584479	11/3/2012	135819	1862.97	NMEA 0183	12	2	2
660881.722498	4050286.982109	34,200		-109.201678	36.584506	11/3/2012	135904	1862.74	NMEA 0183	12	2	2
660877.947720	4050282.479660	34,200		-109.201721	36.584466	11/3/2012	140141	1862.85	NMEA 0183	12	2	2
660878.737655	4050281.478972	34,200		-109.201713	36.584457	11/3/2012	140142	1862.80	NMEA 0183	12	2	2
660870.872993	4050286.762443	34,200		-109.201799	36.584506	11/3/2012	140327	1862.92	NMEA 0183	12	2	2
660870.343901	4050283.548912	34,200		-109.201806	36.584477	11/3/2012	140429	1862.98	NMEA 0183	12	2	2
660876.333508	4050272.923646	34,200		-109.201741	36.584381	11/3/2012	140518	1863.08	NMEA 0183	12	2	2
660879.066544	4050267.570047	34,200		-109.201712	36.584332	11/3/2012	140557	1863.14	NMEA 0183	12	2	2
660891.520209	4050250.303351	34,200		-109.201576	36.584174	11/3/2012	140616	1863.23	NMEA 0183	12	2	2
660894.290085	4050231.344261	34,200		-109.201549	36.584003	11/3/2012	141019	1863.14	NMEA 0183	12	2	2
660882.058879	4050228.031973	34,200		-109.201687	36.583975	11/3/2012	141234	1863.59	NMEA 0183	12	2	2
660881.202051	4050222.722180	34,200		-109.201697	36.583927	11/3/2012	141339	1863.66	NMEA 0183	12	2	2
660882.530686	4050220.754946	34,200		-109.201683	36.583909	11/3/2012	141341	1863.73	NMEA 0183	12	2	2
660884.520573	4050217.888198	34,200		-109.201661	36.583883	11/3/2012	141344	1863.92	NMEA 0183	12	2	2
660871.613909	4050227.314920	34,200		-109.201804	36.583970	11/3/2012	141404	1863.78	NMEA 0183	12	2	2
660855.898820	4050214.075036	34,200		-109.201982	36.583854	11/3/2012	141713	1864.51	NMEA 0183	12	2	2
660863.291037	4050198.805582	34,200		-109.201903	36.583715	11/3/2012	141735	1864.21	NMEA 0183	12	2	2
660852.221806	4050205.460762	34,200		-109.202025	36.583777	11/3/2012	141804	1864.96	NMEA 0183	12	2	2
660826.979203	4050168.368756	34,200		-109.202315	36.583447	11/3/2012	142104	1865.67	NMEA 0183	12	2	2
660853.377243	4050184.605142	34,200		-109.202016	36.583589	11/3/2012	142218	1864.65	NMEA 0183	12	2	2
661044.828591	4050404.417809	34,200		-109.199831	36.585537	11/5/2012	115020	1858.83	NMEA 0183	12	2	2
661047.001083	4050409.720828	34,200		-109.199806	36.585584	11/5/2012	115033	1858.75	NMEA 0183	12	2	2
661023.605103	4050424.079976	34,200		-109.200064	36.585718	11/5/2012	115227	1858.59	NMEA 0183	12	2	2
661033.562128	4050428.217382	34,200		-109.199952	36.585753	11/5/2012	115238	1858.38	NMEA 0183	12	2	2
661005.438031	4050405.278131	34,200		-109.200271	36.585551	11/5/2012	115430	1858.87	NMEA 0183	12	2	2
661022.118126	4050417.776182	34,200		-109.200082	36.585661	11/5/2012	115451	1858.46	NMEA 0183	12	2	2
661014.055538	4050413.319133	34,200		-109.200173	36.585622	11/5/2012	115459	1858.57	NMEA 0183	12	2	2
661004.088685	4050407.076639	34,200		-109.200286	36.585568	11/5/2012	115509	1858.88	NMEA 0183	12	2	2
660984.876204	4050399.170186	34,200		-109.200502	36.585500	11/5/2012	121534	1859.32	NMEA 0183	12	2	2
660995.980345	4050392.954209	34,200		-109.200379	36.585442	11/5/2012	121734	1858.56	NMEA 0183	12	2	2
661011.022003	4050399.989062	34,200		-109.200210	36.585503	11/5/2012	121812	1858.16	NMEA 0183	12	2	2
660992.512782	4050379.858326	34,200		-109.200421	36.585324	11/5/2012	121919	1858.95	NMEA 0183	12	2	2
661013.413603	4050394.231428	34,200		-109.200184	36.585450	11/5/2012	121940	1858.39	NMEA 0183	12	2	2
660906.785522	4050310.044889	34,200		-109.201393	36.584710	11/5/2012	122603	1861.77	NMEA 0183	12	2	2
660941.199199	4050342.305493	34,200		-109.201002	36.584995	11/5/2012	122840	1861.00	NMEA 0183	12	2	2
660919.434587	4050330.156365	34,200		-109.201248	36.584889	11/5/2012	122914	1861.50	NMEA 0183	12	2	2
660916.253570	4050332.825091	34,200		-109.201283	36.584914	11/5/2012	122948	1861.24	NMEA 0183	12	2	2
660935.896871	4050349.841682	34,200		-109.201060	36.585064	11/5/2012	123024	1860.89	NMEA 0183	12	2	2
660907.768328	4050330.141473	34,200		-109.201378	36.584891	11/5/2012	123054	1861.26	NMEA 0183	12	2	2
660917.616935	4050340.717265	34,200		-109.201266	36.584984	11/5/2012	123124	1861.19	NMEA 0183	12	2	2
660932.154955	4050351.157040	34,200		-109.201101	36.585076	11/5/2012	123140	1861.00	NMEA 0183	12	2	2
660914.019673	4050343.230227	34,200		-109.201306	36.585008	11/5/2012	123257	1861.41	NMEA 0183	12	2	2
660976.340216	4050389.880363	34,200		-109.200600	36.585418	11/5/2012	123434	1859.83	NMEA 0183	12	2	2
660978.104513	4050391.413483	34,200		-109.200580	36.585431	11/5/2012	123436	1859.84	NMEA 0183	12	2	2
660980.161458	4050390.621496	34,200		-109.200557	36.585424	11/5/2012	123438	1859.70	NMEA 0183	12	2	2
660943.790098	4050371.876618	34,200		-109.200967	36.585261	11/5/2012	123624	1860.68	NMEA 0183	12	2	2
660953.669074	4050371.343892	34,200		-109.200857	36.585254	11/5/2012	123632	1860.60	NMEA 0183	12	2	2
660977.884447	4050388.030010	34,200		-109.200583	36.585401	11/5/2012	123657	1860.05	NMEA 0183	12	2	2
660982.806106	4050380.828907	34,200		-109.200529	36.585335	11/5/2012	123704	1859.99	NMEA 0183	12	2	2
660947.120269	4050356.140908	34,200		-109.200933	36.585118	11/5/2012	123820	1860.26	NMEA 0183	12	2	2
660954.085765	4050349.325791	34,200		-109.200857	36.585056	11/5/2012	123833	1861.09	NMEA 0183	12	2	2
660956.100924	4050351.483243	34,200		-109.200834	36.585075	11/5/2012	123837	1861.10	NMEA 0183	12	2	2
660944.905207	4050363.625758	34,200		-109.200956	36.585186	11/5/2012	123923	1861.09	NMEA 0183	12	2	2
660950.234290	4050366.931007	34,200		-109.200896	36.585215	11/5/2012	124015	1861.07	NMEA 0183	12	2	2
660953.356338	4050365.898149	34,200		-109.200861	36.585205	11/5/2012	124026	1861.17	NMEA 0183	12	2	2
660962.913981	4050355.280550	34,200		-109.200757	36.585108	11/5/2012	124040	1861.13	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660973.779413	4050365.241012	34,200		-109.200633	36.585196	11/5/2012	124145	1860.76	NMEA 0183	12	2	2
660983.024906	4050374.322155	34,200		-109.200528	36.585276	11/5/2012	124248	1860.20	NMEA 0183	12	2	2
661069.674354	4050358.541537	34,200		-109.199563	36.585119	11/6/2012	102113	1859.19	NMEA 0183	12	2	2
660956.540788	4050264.166588	34,200		-109.200847	36.584288	11/6/2012	102756	1862.41	NMEA 0183	12	2	2
660951.181520	4050260.318821	34,200		-109.200908	36.584254	11/6/2012	102817	1862.61	NMEA 0183	12	2	2
660933.549308	4050248.457894	34,200		-109.201107	36.584150	11/6/2012	102922	1862.87	NMEA 0183	12	2	2
660923.260943	4050238.658120	34,200		-109.201224	36.584064	11/6/2012	103006	1863.47	NMEA 0183	12	2	2
660916.380884	4050291.035983	34,200		-109.201290	36.584537	11/6/2012	104238	1861.99	NMEA 0183	12	2	2
661051.659505	4050406.939251	34,200		-109.199754	36.585559	11/6/2012	105147	1858.60	NMEA 0183	12	2	2
661065.493268	4050379.555036	34,200		-109.199606	36.585309	11/6/2012	105350	1858.74	NMEA 0183	12	2	2
661075.124950	4050378.527652	34,200		-109.199498	36.585299	11/6/2012	105422	1858.46	NMEA 0183	12	2	2
661084.050131	4050373.410359	34,200		-109.199400	36.585251	11/6/2012	105515	1858.15	NMEA 0183	12	2	2
661092.964075	4050379.879224	34,200		-109.199299	36.585308	11/6/2012	105548	1857.91	NMEA 0183	12	2	2
661126.482600	4050413.211459	34,200		-109.198917	36.585602	11/6/2012	105735	1857.30	NMEA 0183	12	2	2
661103.308670	4050427.813166	34,200		-109.199173	36.585738	11/8/2012	104803	1857.48	NMEA 0183	12	2	2
661115.575440	4050413.290043	34,200		-109.199039	36.585605	11/8/2012	104823	1857.42	NMEA 0183	12	2	2
661124.235396	4050421.687094	34,200		-109.198940	36.585679	11/8/2012	104921	1857.23	NMEA 0183	12	2	2
661126.550664	4050456.855812	34,200		-109.198907	36.585996	11/8/2012	105434	1856.53	NMEA 0183	12	2	2
660920.030901	4050252.472051	34,200		-109.201257	36.584189	11/3/2012	135353	1863.38	NMEA 0183	12	2	2
660873.272715	4050316.600006	34,200		-109.201766	36.584775	11/3/2012	135506	1862.83	NMEA 0183	12	2	2
660904.851776	4050265.995755	34,200		-109.201424	36.584313	11/3/2012	135556	1863.39	NMEA 0183	12	2	2
660911.409660	4050256.572335	34,200		-109.201353	36.584227	11/3/2012	135605	1863.13	NMEA 0183	12	2	2
660881.760146	4050290.789438	34,200		-109.201677	36.584541	11/3/2012	135805	1862.91	NMEA 0183	12	2	2
660874.007513	4050277.012288	34,200		-109.201767	36.584418	11/3/2012	140506	1862.99	NMEA 0183	12	2	2
660883.537853	4050226.241422	34,200		-109.201671	36.583959	11/3/2012	141232	1863.59	NMEA 0183	12	2	2
661034.154803	4050413.061159	34,200		-109.199949	36.585617	11/5/2012	115142	1858.72	NMEA 0183	12	2	2
660942.151732	4050342.978108	34,200		-109.200991	36.585001	11/5/2012	122841	1860.93	NMEA 0183	12	2	2
660904.792598	4050328.058539	34,200		-109.201412	36.584873	11/5/2012	123057	1861.31	NMEA 0183	12	2	2
660899.421680	4050327.225550	34,200		-109.201472	36.584866	11/5/2012	123105	1861.46	NMEA 0183	12	2	2
660955.404884	4050373.203866	34,200		-109.200837	36.585271	11/5/2012	123413	1860.64	NMEA 0183	12	2	2
660943.343026	4050354.721784	34,200		-109.200976	36.585106	11/5/2012	123757	1860.55	NMEA 0183	12	2	2
660956.510611	4050370.394568	34,200		-109.200825	36.585245	11/5/2012	124058	1861.10	NMEA 0183	12	2	2
660961.340617	4050372.151552	34,200		-109.200771	36.585260	11/5/2012	124127	1861.06	NMEA 0183	12	2	2
661092.617902	4050376.939154	34,200		-109.199303	36.585281	11/6/2012	105545	1858.12	NMEA 0183	12	2	2
660889.221221	4050319.985553	34,300		-109.201588	36.584802	11/3/2012	134743	1862.45	NMEA 0183	12	2	2
660899.049418	4050300.568510	34,300		-109.201482	36.584626	11/3/2012	134816	1862.55	NMEA 0183	12	2	2
660907.679759	4050287.451236	34,300		-109.201388	36.584506	11/3/2012	134829	1862.70	NMEA 0183	12	2	2
660909.817509	4050281.864544	34,300		-109.201365	36.584455	11/3/2012	134932	1862.67	NMEA 0183	12	2	2
660898.870051	4050283.052460	34,300		-109.201487	36.584468	11/3/2012	135055	1862.75	NMEA 0183	12	2	2
660900.523425	4050279.674458	34,300		-109.201470	36.584437	11/3/2012	135058	1862.83	NMEA 0183	12	2	2
660908.390404	4050279.768052	34,300		-109.201382	36.584437	11/3/2012	135216	1862.91	NMEA 0183	12	2	2
660891.303726	4050301.248507	34,300		-109.201568	36.584633	11/3/2012	135253	1863.00	NMEA 0183	12	2	2
660894.935746	4050296.161442	34,300		-109.201529	36.584587	11/3/2012	135258	1863.05	NMEA 0183	12	2	2
660900.491283	4050287.608948	34,300		-109.201468	36.584509	11/3/2012	135306	1863.22	NMEA 0183	12	2	2
660892.065065	4050291.254181	34,300		-109.201562	36.584543	11/3/2012	135433	1862.90	NMEA 0183	12	2	2
660873.156615	4050316.666272	34,300		-109.201768	36.584775	11/3/2012	135503	1862.89	NMEA 0183	12	2	2
660892.965067	4050274.886631	34,300		-109.201555	36.584395	11/3/2012	135704	1863.03	NMEA 0183	12	2	2
660876.237808	4050300.757562	34,300		-109.201737	36.584631	11/3/2012	135729	1862.99	NMEA 0183	12	2	2
660875.676746	4050299.970201	34,300		-109.201743	36.584624	11/3/2012	135756	1862.92	NMEA 0183	12	2	2
660886.427074	4050283.169189	34,300		-109.201626	36.584471	11/3/2012	135817	1862.87	NMEA 0183	12	2	2
660879.930064	4050283.602512	34,300		-109.201699	36.584476	11/3/2012	140044	1862.88	NMEA 0183	12	2	2
660868.286471	4050295.766338	34,300		-109.201827	36.584588	11/3/2012	140127	1862.87	NMEA 0183	12	2	2
660891.543180	4050262.387686	34,300		-109.201574	36.584283	11/3/2012	140201	1862.89	NMEA 0183	12	2	2
660863.576070	4050299.253616	34,300		-109.201878	36.584620	11/3/2012	140339	1862.92	NMEA 0183	12	2	2
660870.154439	4050284.028131	34,300		-109.201808	36.584482	11/3/2012	140412	1862.89	NMEA 0183	12	2	2
660892.224601	4050249.410194	34,300		-109.201569	36.584166	11/3/2012	140617	1863.34	NMEA 0183	12	2	2
660856.924802	4050296.132700	34,300		-109.201953	36.584593	11/3/2012	140913	1862.93	NMEA 0183	12	2	2
660862.082105	4050264.614612	34,300		-109.201902	36.584308	11/3/2012	141137	1863.51	NMEA 0183	12	2	2
660878.871835	4050238.674535	34,300		-109.201720	36.584072	11/3/2012	141203	1863.27	NMEA 0183	12	2	2
660862.234839	4050247.761415	34,300		-109.201904	36.584156	11/3/2012	141314	1863.66	NMEA 0183	12	2	2
660884.684545	4050214.865204	34,300		-109.201660	36.583856	11/3/2012	141348	1863.87	NMEA 0183	12	2	2
660879.498460	4050218.021731	34,300		-109.201717	36.583885	11/3/2012	141354	1863.67	NMEA 0183	12	2	2
660875.028507	4050218.222939	34,300		-109.201767	36.583888	11/3/2012	141451	1863.47	NMEA 0183	12	2	2
660868.198616	4050199.452307	34,300		-109.201848	36.583720	11/3/2012	141656	1864.04	NMEA 0183	12	2	2
660865.462226	4050201.396903	34,300		-109.201878	36.583738	11/3/2012	141659	1864.05	NMEA 0183	12	2	2
660867.765598	4050192.060318	34,300		-109.201854	36.583653	11/3/2012	141743	1864.79	NMEA 0183	12	2	2
660864.086492	4050190.892775	34,300		-109.201895	36.583643	11/3/2012	141749	1864.82	NMEA 0183	12	2	2
660843.213876	4050174.254760	34,300		-109.202132	36.583497	11/3/2012	141947	1865.08	NMEA 0183	12	2	2
660822.019774	4050174.241175	34,300		-109.202369	36.583501	11/3/2012	142013	1865.65	NMEA 0183	12	2	2
660840.873686	4050174.636405	34,300		-109.202158	36.583501	11/3/2012	142050	1865.16	NMEA 0183	12	2	2
660826.880668	4050174.433832	34,300		-109.202314	36.583501	11/3/2012	142111	1865.73	NMEA 0183	12	2	2
660835.626749	4050181.683528	34,300		-109.202215	36.583565	11/3/2012	142120	1865.44	NMEA 0183	12	2	2
661046.046448	4050401.118609	34,300		-109.199818	36.585507	11/5/2012	114953	1858.95	NMEA 0183	12	2	2
661044.206819	4050400.024285	34,300		-109.199839	36.585497	11/5/2012	114955	1859.00	NMEA 0183	12	2	2
661042.938559	4050413.419911	34,300		-109.199851	36.585618	11/5/2012	115105	1858.79	NMEA 0183	12	2	2
661034.106972	4050427.480319	34,300		-109.199946	36.585747	11/5/2012	115239	1858.43	NMEA 0183	12	2	2
661020.868806	4050414.632383	34,300		-109.200097	36.585633	11/5/2012	115445	1858.53	NMEA 0183	12	2	2
660983.722665	4050395.451089	34,300		-109.200516	36.585466	11/5/2012	121544	1859.24	NMEA 0183	12	2	2
660997.888339	4050396.770672	34,300		-109.200357	36.585476	11/5/2012	121633	1858.28	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661010.989775	4050404.816106	34,300		-109.200209	36.585546	11/5/2012	121647	1858.03	NMEA 0183	12	2	2
661013.822193	4050406.742873	34,300		-109.200177	36.585563	11/5/2012	121650	1858.02	NMEA 0183	12	2	2
660992.307790	4050390.486408	34,300		-109.200421	36.585420	11/5/2012	121738	1858.76	NMEA 0183	12	2	2
660993.487642	4050380.612751	34,300		-109.200410	36.585331	11/5/2012	121920	1858.94	NMEA 0183	12	2	2
661011.303575	4050392.839799	34,300		-109.200208	36.585438	11/5/2012	121938	1858.60	NMEA 0183	12	2	2
661012.422937	4050390.975946	34,300		-109.200196	36.585421	11/5/2012	122019	1858.64	NMEA 0183	12	2	2
660910.790191	4050313.660114	34,300		-109.201348	36.584742	11/5/2012	122517	1861.59	NMEA 0183	12	2	2
660897.999373	4050326.148317	34,300		-109.201488	36.584856	11/5/2012	122535	1861.65	NMEA 0183	12	2	2
660895.153840	4050323.644248	34,300		-109.201520	36.584834	11/5/2012	122540	1861.66	NMEA 0183	12	2	2
660903.212977	4050321.359058	34,300		-109.201431	36.584812	11/5/2012	122625	1861.78	NMEA 0183	12	2	2
660908.420759	4050313.852525	34,300		-109.201374	36.584744	11/5/2012	122633	1861.81	NMEA 0183	12	2	2
660926.761775	4050325.216165	34,300		-109.201167	36.584843	11/5/2012	122657	1861.28	NMEA 0183	12	2	2
660927.722326	4050326.018406	34,300		-109.201156	36.584850	11/5/2012	122658	1861.35	NMEA 0183	12	2	2
660929.721383	4050327.522615	34,300		-109.201133	36.584864	11/5/2012	122700	1861.31	NMEA 0183	12	2	2
660936.586827	4050333.065121	34,300		-109.201056	36.584912	11/5/2012	122707	1861.08	NMEA 0183	12	2	2
660930.219249	4050332.004442	34,300		-109.201127	36.584904	11/5/2012	122742	1861.35	NMEA 0183	12	2	2
660946.270436	4050346.795250	34,300		-109.200945	36.585034	11/5/2012	122846	1860.75	NMEA 0183	12	2	2
660922.542097	4050332.450784	34,300		-109.201213	36.584909	11/5/2012	122911	1861.45	NMEA 0183	12	2	2
660908.763800	4050330.911072	34,300		-109.201367	36.584898	11/5/2012	123053	1861.32	NMEA 0183	12	2	2
660906.284985	4050332.564526	34,300		-109.201394	36.584913	11/5/2012	123112	1861.31	NMEA 0183	12	2	2
660915.815274	4050339.346230	34,300		-109.201286	36.584972	11/5/2012	123122	1861.22	NMEA 0183	12	2	2
660926.994963	4050351.169582	34,300		-109.201159	36.585077	11/5/2012	123156	1861.00	NMEA 0183	12	2	2
660899.232576	4050330.634655	34,300		-109.201473	36.584897	11/5/2012	123225	1861.77	NMEA 0183	12	2	2
660939.306609	4050373.522130	34,300		-109.201017	36.585276	11/5/2012	123339	1860.66	NMEA 0183	12	2	2
660965.126463	4050379.484250	34,300		-109.200727	36.585326	11/5/2012	123422	1860.13	NMEA 0183	12	2	2
660987.181172	4050371.192650	34,300		-109.200482	36.585247	11/5/2012	123501	1859.88	NMEA 0183	12	2	2
660942.603902	4050348.944368	34,300		-109.200985	36.585054	11/5/2012	123551	1860.75	NMEA 0183	12	2	2
660973.228055	4050364.971734	34,300		-109.200640	36.585194	11/5/2012	123724	1860.75	NMEA 0183	12	2	2
660972.239492	4050364.152316	34,300		-109.200651	36.585186	11/5/2012	123725	1860.72	NMEA 0183	12	2	2
660963.705290	4050356.995215	34,300		-109.200748	36.585123	11/5/2012	123734	1860.72	NMEA 0183	12	2	2
660954.987603	4050349.120714	34,300		-109.200847	36.585054	11/5/2012	123834	1861.06	NMEA 0183	12	2	2
660944.333026	4050361.918897	34,300		-109.200963	36.585171	11/5/2012	123921	1861.17	NMEA 0183	12	2	2
660964.558538	4050367.511782	34,300		-109.200736	36.585218	11/5/2012	124122	1860.96	NMEA 0183	12	2	2
660979.260553	4050370.940753	34,300		-109.200571	36.585246	11/5/2012	124222	1860.56	NMEA 0183	12	2	2
660972.349044	4050381.086273	34,300		-109.200646	36.585339	11/5/2012	124233	1860.36	NMEA 0183	12	2	2
661073.971198	4050361.844172	34,300		-109.199515	36.585148	11/6/2012	102042	1859.19	NMEA 0183	12	2	2
661060.651827	4050352.054017	34,300		-109.199665	36.585062	11/6/2012	102146	1859.32	NMEA 0183	12	2	2
660919.889438	4050232.048521	34,300		-109.201263	36.584023	11/6/2012	103023	1863.57	NMEA 0183	12	2	2
661044.468879	4050401.483037	34,300		-109.199836	36.585511	11/6/2012	105140	1858.84	NMEA 0183	12	2	2
661054.761944	4050408.466011	34,300		-109.199719	36.585572	11/6/2012	105150	1858.51	NMEA 0183	12	2	2
661066.802969	4050393.214697	34,300		-109.199588	36.585423	11/6/2012	105307	1858.50	NMEA 0183	12	2	2
661060.512084	4050386.028059	34,300		-109.199660	36.585369	11/6/2012	105315	1858.73	NMEA 0183	12	2	2
661081.391725	4050378.756049	34,300		-109.199428	36.585300	11/6/2012	105451	1858.16	NMEA 0183	12	2	2
661088.291137	4050377.144780	34,300		-109.199351	36.585284	11/6/2012	105520	1857.96	NMEA 0183	12	2	2
661090.052451	4050375.492730	34,300		-109.199332	36.585269	11/6/2012	105523	1858.13	NMEA 0183	12	2	2
661105.627655	4050425.217137	34,300		-109.199148	36.585714	11/8/2012	104806	1857.37	NMEA 0183	12	2	2
661120.293803	4050438.829994	34,300		-109.198981	36.585834	11/8/2012	105023	1857.03	NMEA 0183	12	2	2
661123.515345	4050451.749311	34,300		-109.198942	36.585950	11/8/2012	105252	1856.65	NMEA 0183	12	2	2
661127.043244	4050460.976872	34,300		-109.198901	36.586033	11/8/2012	105536	1856.45	NMEA 0183	12	2	2
661127.295685	4050465.494810	34,300		-109.198897	36.586073	11/8/2012	105545	1856.47	NMEA 0183	12	2	2
660907.522223	4050300.969389	34,400		-109.201387	36.584628	11/3/2012	134500	1862.21	NMEA 0183	12	2	2
660900.006077	4050307.955507	34,400		-109.201470	36.584692	11/3/2012	134542	1862.62	NMEA 0183	12	2	2
660903.964846	4050302.147640	34,400		-109.201427	36.584639	11/3/2012	134548	1862.75	NMEA 0183	12	2	2
660912.283392	4050278.990064	34,400		-109.201338	36.584429	11/3/2012	134929	1863.08	NMEA 0183	12	2	2
660909.041894	4050282.896942	34,400		-109.201374	36.584465	11/3/2012	134933	1862.65	NMEA 0183	12	2	2
660891.860368	4050305.061849	34,400		-109.201561	36.584668	11/3/2012	134955	1862.74	NMEA 0183	12	2	2
660886.430515	4050314.232640	34,400		-109.201620	36.584751	11/3/2012	135004	1862.86	NMEA 0183	12	2	2
660888.053497	4050303.231569	34,400		-109.201604	36.584652	11/3/2012	135037	1862.80	NMEA 0183	12	2	2
660906.455684	4050268.289772	34,400		-109.201406	36.584334	11/3/2012	135108	1863.11	NMEA 0183	12	2	2
660894.275619	4050298.196675	34,400		-109.201536	36.584605	11/3/2012	135235	1862.87	NMEA 0183	12	2	2
660890.369091	4050304.242281	34,400		-109.201578	36.584660	11/3/2012	135241	1863.00	NMEA 0183	12	2	2
660896.340448	4050293.955176	34,400		-109.201513	36.584567	11/3/2012	135300	1863.12	NMEA 0183	12	2	2
660899.701868	4050288.661435	34,400		-109.201477	36.584518	11/3/2012	135305	1863.33	NMEA 0183	12	2	2
660913.117878	4050267.718985	34,400		-109.201331	36.584327	11/3/2012	135325	1863.86	NMEA 0183	12	2	2
660882.716050	4050304.594778	34,400		-109.201663	36.584665	11/3/2012	135446	1863.01	NMEA 0183	12	2	2
660892.236614	4050275.869972	34,400		-109.201563	36.584404	11/3/2012	135705	1863.09	NMEA 0183	12	2	2
660872.282252	4050305.039522	34,400		-109.201780	36.584671	11/3/2012	135751	1862.96	NMEA 0183	12	2	2
660877.590035	4050296.891157	34,400		-109.201722	36.584596	11/3/2012	135759	1863.01	NMEA 0183	12	2	2
660881.044528	4050291.804464	34,400		-109.201685	36.584550	11/3/2012	135804	1862.90	NMEA 0183	12	2	2
660885.785723	4050284.679467	34,400		-109.201633	36.584485	11/3/2012	135812	1862.93	NMEA 0183	12	2	2
660877.584669	4050297.098219	34,400		-109.201722	36.584598	11/3/2012	135831	1862.88	NMEA 0183	12	2	2
660884.341662	4050282.771328	34,400		-109.201650	36.584468	11/3/2012	135908	1862.74	NMEA 0183	12	2	2
660885.303755	4050275.440586	34,400		-109.201641	36.584402	11/3/2012	140036	1862.88	NMEA 0183	12	2	2
660867.222526	4050301.127125	34,400		-109.201837	36.584636	11/3/2012	140102	1862.89	NMEA 0183	12	2	2
660876.390765	4050284.292798	34,400		-109.201738	36.584483	11/3/2012	140139	1862.94	NMEA 0183	12	2	2
660879.377258	4050280.460673	34,400		-109.201706	36.584448	11/3/2012	140143	1862.85	NMEA 0183	12	2	2
660874.912105	4050280.247643	34,400		-109.201756	36.584447	11/3/2012	140321	1863.10	NMEA 0183	12	2	2
660872.651510	4050283.392327	34,400		-109.201780	36.584476	11/3/2012	140324	1863.12	NMEA 0183	12	2	2
660870.323963	4050283.578134	34,400		-109.201806	36.584478	11/3/2012	140421	1862.96	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660877.384150	4050263.650556	34,400		-109.201732	36.584297	11/3/2012	140841	1862.88	NMEA 0183	12	2	2
660863.069708	4050287.809473	34,400		-109.201886	36.584517	11/3/2012	140904	1863.03	NMEA 0183	12	2	2
660861.602923	4050289.666844	34,400		-109.201902	36.584534	11/3/2012	140906	1863.04	NMEA 0183	12	2	2
660886.478884	4050235.123089	34,400		-109.201636	36.584038	11/3/2012	141055	1863.44	NMEA 0183	12	2	2
660871.460292	4050254.498515	34,400		-109.201800	36.584215	11/3/2012	141115	1863.24	NMEA 0183	12	2	2
660882.973387	4050214.873876	34,400		-109.201679	36.583856	11/3/2012	141350	1863.90	NMEA 0183	12	2	2
660864.542854	4050224.622669	34,400		-109.201883	36.583947	11/3/2012	141546	1864.10	NMEA 0183	12	2	2
660842.599198	4050191.164050	34,400		-109.202135	36.583650	11/3/2012	141928	1865.14	NMEA 0183	12	2	2
660835.749904	4050185.466559	34,400		-109.202213	36.583599	11/3/2012	142028	1865.24	NMEA 0183	12	2	2
661045.664836	4050405.165945	34,400		-109.199822	36.585544	11/5/2012	115021	1858.80	NMEA 0183	12	2	2
661042.960964	4050410.471950	34,400		-109.199851	36.585592	11/5/2012	115056	1858.74	NMEA 0183	12	2	2
661029.548828	4050418.936382	34,400		-109.199999	36.585670	11/5/2012	115211	1858.66	NMEA 0183	12	2	2
661026.236652	4050420.085879	34,400		-109.200036	36.585681	11/5/2012	115257	1858.54	NMEA 0183	12	2	2
661010.903500	4050406.316425	34,400		-109.200210	36.585560	11/5/2012	115336	1858.87	NMEA 0183	12	2	2
661010.356610	4050410.985856	34,400		-109.200215	36.585602	11/5/2012	115503	1858.73	NMEA 0183	12	2	2
660998.086798	4050394.138604	34,400		-109.200356	36.585452	11/5/2012	121732	1858.41	NMEA 0183	12	2	2
660996.980480	4050393.553736	34,400		-109.200368	36.585447	11/5/2012	121733	1858.47	NMEA 0183	12	2	2
660985.649912	4050386.290603	34,400		-109.200496	36.585384	11/5/2012	121745	1859.05	NMEA 0183	12	2	2
660994.482476	4050381.336107	34,400		-109.200399	36.585337	11/5/2012	121921	1859.00	NMEA 0183	12	2	2
660988.495172	4050372.635955	34,400		-109.200467	36.585260	11/5/2012	122045	1859.56	NMEA 0183	12	2	2
660908.662875	4050316.298623	34,400		-109.201371	36.584766	11/5/2012	122520	1861.57	NMEA 0183	12	2	2
660898.903190	4050317.309003	34,400		-109.201480	36.584777	11/5/2012	122547	1861.68	NMEA 0183	12	2	2
660945.184981	4050343.103330	34,400		-109.200957	36.585001	11/5/2012	122727	1860.99	NMEA 0183	12	2	2
660911.193858	4050329.232659	34,400		-109.201340	36.584882	11/5/2012	122943	1861.34	NMEA 0183	12	2	2
660902.307117	4050329.510256	34,400		-109.201439	36.584886	11/5/2012	123108	1861.32	NMEA 0183	12	2	2
660924.508993	4050351.531826	34,400		-109.201187	36.585081	11/5/2012	123308	1861.11	NMEA 0183	12	2	2
660974.624357	4050388.150235	34,400		-109.200619	36.585402	11/5/2012	123432	1859.91	NMEA 0183	12	2	2
660987.757851	4050371.702860	34,400		-109.200476	36.585252	11/5/2012	123500	1859.87	NMEA 0183	12	2	2
660970.811535	4050359.394116	34,400		-109.200668	36.585144	11/5/2012	123519	1860.45	NMEA 0183	12	2	2
660947.549169	4050371.477175	34,400		-109.200925	36.585257	11/5/2012	123627	1860.61	NMEA 0183	12	2	2
660960.009880	4050354.153368	34,400		-109.200789	36.585098	11/5/2012	123738	1860.78	NMEA 0183	12	2	2
660947.951060	4050351.125352	34,400		-109.200925	36.585073	11/5/2012	123804	1860.71	NMEA 0183	12	2	2
660954.068962	4050361.298407	34,400		-109.200854	36.585164	11/5/2012	124009	1860.93	NMEA 0183	12	2	2
660963.950505	4050362.541425	34,400		-109.200744	36.585173	11/5/2012	124109	1860.77	NMEA 0183	12	2	2
660968.817008	4050361.393261	34,400		-109.200690	36.585162	11/5/2012	124116	1860.77	NMEA 0183	12	2	2
660969.194884	4050374.274059	34,400		-109.200683	36.585278	11/5/2012	124154	1860.46	NMEA 0183	12	2	2
660972.985859	4050382.846137	34,400		-109.200638	36.585355	11/5/2012	124235	1860.25	NMEA 0183	12	2	2
660980.056622	4050377.738410	34,400		-109.200561	36.585307	11/5/2012	124244	1860.16	NMEA 0183	12	2	2
661041.261284	4050334.695974	34,400		-109.199886	36.584909	11/6/2012	102301	1859.72	NMEA 0183	12	2	2
660913.404155	4050288.527603	34,400		-109.201324	36.584515	11/6/2012	104230	1862.13	NMEA 0183	12	2	2
661065.983921	4050391.265266	34,400		-109.199598	36.585415	11/6/2012	105308	1858.49	NMEA 0183	12	2	2
661062.625975	4050383.232111	34,400		-109.199637	36.585343	11/6/2012	105332	1858.79	NMEA 0183	12	2	2
661067.286554	4050376.355403	34,400		-109.199586	36.585280	11/6/2012	105406	1858.66	NMEA 0183	12	2	2
661072.796258	4050381.402808	34,400		-109.199524	36.585325	11/6/2012	105412	1858.50	NMEA 0183	12	2	2
661083.330128	4050380.390487	34,400		-109.199406	36.585314	11/6/2012	105453	1857.99	NMEA 0183	12	2	2
661091.541017	4050381.789168	34,400		-109.199314	36.585325	11/6/2012	105550	1857.90	NMEA 0183	12	2	2
661106.962028	4050439.103605	34,400		-109.199130	36.585839	11/8/2012	104900	1857.42	NMEA 0183	12	2	2
661112.019733	4050438.417825	34,400		-109.199073	36.585832	11/8/2012	105002	1857.34	NMEA 0183	12	2	2
661153.772207	4050464.576086	34,400		-109.198601	36.586061	11/8/2012	105926	1856.39	NMEA 0183	12	2	2
660915.314684	4050281.771366	34,500		-109.201304	36.584454	11/3/2012	134705	1862.84	NMEA 0183	12	2	2
660899.110772	4050303.347865	34,500		-109.201481	36.584651	11/3/2012	134727	1862.49	NMEA 0183	12	2	2
660893.083932	4050311.099880	34,500		-109.201546	36.584722	11/3/2012	134806	1862.49	NMEA 0183	12	2	2
660895.056091	4050306.708673	34,500		-109.201525	36.584682	11/3/2012	134810	1862.52	NMEA 0183	12	2	2
660914.534168	4050276.211441	34,500		-109.201314	36.584404	11/3/2012	134926	1863.07	NMEA 0183	12	2	2
660884.233064	4050317.988894	34,500		-109.201644	36.584785	11/3/2012	135008	1862.62	NMEA 0183	12	2	2
660899.939622	4050280.819577	34,500		-109.201476	36.584448	11/3/2012	135057	1862.84	NMEA 0183	12	2	2
660917.277519	4050262.497529	34,500		-109.201286	36.584280	11/3/2012	135332	1863.26	NMEA 0183	12	2	2
660917.312432	4050255.929998	34,500		-109.201287	36.584221	11/3/2012	135357	1863.15	NMEA 0183	12	2	2
660913.692234	4050261.659111	34,500		-109.201326	36.584273	11/3/2012	135403	1863.10	NMEA 0183	12	2	2
660897.557813	4050283.027902	34,500		-109.201502	36.584468	11/3/2012	135425	1862.84	NMEA 0183	12	2	2
660889.745401	4050294.207239	34,500		-109.201587	36.584570	11/3/2012	135436	1862.87	NMEA 0183	12	2	2
660882.022507	4050291.197576	34,500		-109.201674	36.584544	11/3/2012	135720	1863.10	NMEA 0183	12	2	2
660880.279079	4050292.851852	34,500		-109.201693	36.584559	11/3/2012	135803	1863.01	NMEA 0183	12	2	2
660886.328248	4050283.348607	34,500		-109.201628	36.584473	11/3/2012	135818	1862.89	NMEA 0183	12	2	2
660872.467349	4050301.445374	34,500		-109.201779	36.584638	11/3/2012	135850	1862.70	NMEA 0183	12	2	2
660894.708103	4050266.876878	34,500		-109.201537	36.584323	11/3/2012	135924	1863.02	NMEA 0183	12	2	2
660874.886418	4050290.150304	34,500		-109.201754	36.584536	11/3/2012	140051	1862.96	NMEA 0183	12	2	2
660872.747092	4050293.191825	34,500		-109.201777	36.584564	11/3/2012	140054	1862.93	NMEA 0183	12	2	2
660869.625527	4050288.936511	34,500		-109.201813	36.584526	11/3/2012	140329	1862.93	NMEA 0183	12	2	2
660867.595929	4050288.106875	34,500		-109.201836	36.584519	11/3/2012	140404	1862.86	NMEA 0183	12	2	2
660869.790408	4050284.589169	34,500		-109.201812	36.584487	11/3/2012	140408	1862.96	NMEA 0183	12	2	2
660871.520352	4050281.502993	34,500		-109.201793	36.584459	11/3/2012	140500	1863.09	NMEA 0183	12	2	2
660879.063181	4050267.590330	34,500		-109.201712	36.584332	11/3/2012	140551	1863.07	NMEA 0183	12	2	2
660883.076366	4050254.490217	34,500		-109.201670	36.584213	11/3/2012	140832	1862.81	NMEA 0183	12	2	2
660866.154345	4050282.638168	34,500		-109.201853	36.584470	11/3/2012	140859	1863.05	NMEA 0183	12	2	2
660864.070160	4050277.869561	34,500		-109.201877	36.584427	11/3/2012	140935	1862.94	NMEA 0183	12	2	2
660881.572289	4050249.730612	34,500		-109.201688	36.584171	11/3/2012	141001	1862.83	NMEA 0183	12	2	2
660881.872838	4050221.791400	34,500		-109.201690	36.583919	11/3/2012	141340	1863.70	NMEA 0183	12	2	2
660874.184022	4050213.767926	34,500		-109.201778	36.583848	11/3/2012	141505	1863.84	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660835.522446	4050178.328124	34,500		-109.202217	36.583535	11/3/2012	142200	1865.58	NMEA 0183	12	2	2
660863.774235	4050189.164889	34,500		-109.201899	36.583628	11/3/2012	142227	1864.97	NMEA 0183	12	2	2
660868.964319	4050193.050124	34,500		-109.201840	36.583662	11/3/2012	142232	1864.83	NMEA 0183	12	2	2
660876.057962	4050198.602392	34,500		-109.201760	36.583711	11/3/2012	142239	1864.48	NMEA 0183	12	2	2
661040.423030	4050405.088100	34,500		-109.199880	36.585544	11/5/2012	115040	1858.90	NMEA 0183	12	2	2
661042.087753	4050409.706475	34,500		-109.199861	36.585585	11/5/2012	115055	1858.80	NMEA 0183	12	2	2
661024.259271	4050421.328816	34,500		-109.200058	36.585693	11/5/2012	115250	1858.68	NMEA 0183	12	2	2
661002.705455	4050401.046694	34,500		-109.200303	36.585514	11/5/2012	115345	1858.91	NMEA 0183	12	2	2
660997.240788	4050400.284022	34,500		-109.200364	36.585508	11/5/2012	115422	1859.05	NMEA 0183	12	2	2
661010.571340	4050408.441028	34,500		-109.200213	36.585579	11/5/2012	115435	1858.71	NMEA 0183	12	2	2
661002.655939	4050408.868036	34,500		-109.200302	36.585584	11/5/2012	121448	1859.06	NMEA 0183	12	2	2
660989.829624	4050411.222930	34,500		-109.200444	36.585608	11/5/2012	121505	1859.07	NMEA 0183	12	2	2
660987.353562	4050409.543301	34,500		-109.200472	36.585593	11/5/2012	121521	1859.26	NMEA 0183	12	2	2
660997.351299	4050391.276334	34,500		-109.200364	36.585427	11/5/2012	121759	1858.43	NMEA 0183	12	2	2
661004.302799	4050390.785027	34,500		-109.200287	36.585421	11/5/2012	121857	1858.54	NMEA 0183	12	2	2
660911.247337	4050313.145213	34,500		-109.201343	36.584737	11/5/2012	122515	1861.56	NMEA 0183	12	2	2
660907.912993	4050317.311156	34,500		-109.201379	36.584775	11/5/2012	122521	1861.59	NMEA 0183	12	2	2
660896.991837	4050320.364034	34,500		-109.201501	36.584805	11/5/2012	122544	1861.62	NMEA 0183	12	2	2
660943.300645	4050341.527277	34,500		-109.200979	36.584987	11/5/2012	122729	1861.04	NMEA 0183	12	2	2
660928.934567	4050337.122484	34,500		-109.201140	36.584950	11/5/2012	122905	1861.38	NMEA 0183	12	2	2
660915.233011	4050327.099751	34,500		-109.201295	36.584862	11/5/2012	122918	1861.58	NMEA 0183	12	2	2
660922.359840	4050340.275186	34,500		-109.201213	36.584980	11/5/2012	123040	1861.16	NMEA 0183	12	2	2
660913.072801	4050337.393436	34,500		-109.201317	36.584955	11/5/2012	123119	1861.26	NMEA 0183	12	2	2
660927.748216	4050347.506533	34,500		-109.201151	36.585044	11/5/2012	123135	1860.95	NMEA 0183	12	2	2
660898.307018	4050329.955151	34,500		-109.201484	36.584891	11/5/2012	123226	1861.82	NMEA 0183	12	2	2
660963.153774	4050377.767812	34,500		-109.200749	36.585311	11/5/2012	123420	1860.28	NMEA 0183	12	2	2
660937.626084	4050371.019508	34,500		-109.201036	36.585254	11/5/2012	123619	1860.79	NMEA 0183	12	2	2
660958.686530	4050372.490292	34,500		-109.200800	36.585264	11/5/2012	123636	1860.68	NMEA 0183	12	2	2
660935.463571	4050369.641713	34,500		-109.201060	36.585242	11/5/2012	123910	1861.26	NMEA 0183	12	2	2
660941.066255	4050364.626701	34,500		-109.200999	36.585196	11/5/2012	123917	1861.04	NMEA 0183	12	2	2
660966.125307	4050365.493529	34,500		-109.200719	36.585200	11/5/2012	124120	1860.88	NMEA 0183	12	2	2
661082.384161	4050379.606997	34,500		-109.199417	36.585307	11/6/2012	105452	1858.10	NMEA 0183	12	2	2
661109.737884	4050393.104276	34,500		-109.199108	36.585424	11/6/2012	105635	1857.49	NMEA 0183	12	2	2
661113.578651	4050394.554261	34,500		-109.199065	36.585436	11/6/2012	105640	1857.55	NMEA 0183	12	2	2
661118.619519	4050398.190858	34,500		-109.199008	36.585468	11/6/2012	105656	1857.62	NMEA 0183	12	2	2
661119.259742	4050405.497973	34,500		-109.198999	36.585534	11/6/2012	105707	1857.56	NMEA 0183	12	2	2
661130.180093	4050408.456806	34,500		-109.198877	36.585559	11/6/2012	105730	1857.52	NMEA 0183	12	2	2
661114.881715	4050414.011362	34,500		-109.199047	36.585612	11/8/2012	104822	1857.35	NMEA 0183	12	2	2
660893.228867	4050321.688264	34,600		-109.201542	36.584817	11/3/2012	134522	1862.54	NMEA 0183	12	2	2
660894.094598	4050317.035894	34,600		-109.201534	36.584775	11/3/2012	134533	1862.63	NMEA 0183	12	2	2
660890.358766	4050318.025842	34,600		-109.201575	36.584785	11/3/2012	134741	1862.59	NMEA 0183	12	2	2
660886.862505	4050319.286629	34,600		-109.201614	36.584797	11/3/2012	134757	1862.49	NMEA 0183	12	2	2
660902.886174	4050294.345882	34,600		-109.201440	36.584569	11/3/2012	134822	1862.84	NMEA 0183	12	2	2
660916.127884	4050274.188134	34,600		-109.201296	36.584385	11/3/2012	134924	1863.04	NMEA 0183	12	2	2
660896.206369	4050298.808056	34,600		-109.201514	36.584610	11/3/2012	134949	1862.76	NMEA 0183	12	2	2
660899.619276	4050291.560175	34,600		-109.201477	36.584545	11/3/2012	135228	1862.99	NMEA 0183	12	2	2
660907.034736	4050276.803551	34,600		-109.201398	36.584410	11/3/2012	135316	1863.34	NMEA 0183	12	2	2
660908.961148	4050273.661869	34,600		-109.201377	36.584382	11/3/2012	135319	1863.57	NMEA 0183	12	2	2
660889.892983	4050288.074639	34,600		-109.201587	36.584515	11/3/2012	135535	1862.85	NMEA 0183	12	2	2
660887.809272	4050281.846644	34,600		-109.201611	36.584459	11/3/2012	135711	1863.01	NMEA 0183	12	2	2
660891.378377	4050266.331801	34,600		-109.201575	36.584319	11/3/2012	140027	1863.08	NMEA 0183	12	2	2
660874.952928	4050286.037879	34,600		-109.201754	36.584499	11/3/2012	140137	1862.98	NMEA 0183	12	2	2
660874.151022	4050281.221126	34,600		-109.201764	36.584456	11/3/2012	140322	1863.06	NMEA 0183	12	2	2
660871.417364	4050285.651728	34,600		-109.201794	36.584496	11/3/2012	140326	1862.95	NMEA 0183	12	2	2
660870.351254	4050283.554599	34,600		-109.201806	36.584477	11/3/2012	140425	1863.01	NMEA 0183	12	2	2
660870.362038	4050283.536304	34,600		-109.201806	36.584477	11/3/2012	140428	1863.00	NMEA 0183	12	2	2
660870.349659	4050283.560118	34,600		-109.201806	36.584477	11/3/2012	140432	1863.01	NMEA 0183	12	2	2
660885.347291	4050259.243827	34,600		-109.201644	36.584256	11/3/2012	140607	1862.92	NMEA 0183	12	2	2
660874.824387	4050267.795863	34,600		-109.201759	36.584335	11/3/2012	140845	1863.02	NMEA 0183	12	2	2
660859.374650	4050292.678959	34,600		-109.201927	36.584561	11/3/2012	140909	1862.92	NMEA 0183	12	2	2
660885.964316	4050243.250165	34,600		-109.201640	36.584112	11/3/2012	141007	1862.87	NMEA 0183	12	2	2
660874.371780	4050250.609495	34,600		-109.201768	36.584180	11/3/2012	141111	1863.14	NMEA 0183	12	2	2
660873.633101	4050251.661083	34,600		-109.201776	36.584189	11/3/2012	141112	1863.07	NMEA 0183	12	2	2
660868.962163	4050258.857689	34,600		-109.201827	36.584255	11/3/2012	141119	1863.31	NMEA 0183	12	2	2
660866.628124	4050257.476705	34,600		-109.201853	36.584243	11/3/2012	141145	1863.50	NMEA 0183	12	2	2
660826.293887	4050169.278922	34,600		-109.202322	36.583455	11/3/2012	142105	1865.69	NMEA 0183	12	2	2
660825.050007	4050171.101626	34,600		-109.202336	36.583472	11/3/2012	142107	1865.70	NMEA 0183	12	2	2
660827.380809	4050172.338263	34,600		-109.202309	36.583482	11/3/2012	142151	1865.71	NMEA 0183	12	2	2
660881.258473	4050208.945034	34,600		-109.201700	36.583803	11/3/2012	142304	1863.97	NMEA 0183	12	2	2
660880.119020	4050204.708311	34,600		-109.201713	36.583765	11/3/2012	142333	1864.12	NMEA 0183	12	2	2
660881.287693	4050205.390512	34,600		-109.201700	36.583771	11/3/2012	142334	1864.11	NMEA 0183	12	2	2
661045.062236	4050400.554270	34,600		-109.199829	36.585502	11/5/2012	114954	1858.97	NMEA 0183	12	2	2
661044.279815	4050407.753589	34,600		-109.199837	36.585567	11/5/2012	115036	1858.79	NMEA 0183	12	2	2
661041.898243	4050417.673170	34,600		-109.199861	36.585657	11/5/2012	115133	1858.71	NMEA 0183	12	2	2
661028.621069	4050418.216128	34,600		-109.200009	36.585664	11/5/2012	115212	1858.66	NMEA 0183	12	2	2
661031.200470	4050423.138333	34,600		-109.199980	36.585708	11/5/2012	115302	1858.54	NMEA 0183	12	2	2
661008.514477	4050407.078140	34,600		-109.200236	36.585567	11/5/2012	115433	1858.78	NMEA 0183	12	2	2
661018.834004	4050413.366088	34,600		-109.200120	36.585622	11/5/2012	115443	1858.66	NMEA 0183	12	2	2
661021.853815	4050415.163191	34,600		-109.200086	36.585638	11/5/2012	115446	1858.50	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660983.608370	4050390.880256	34,600		-109.200518	36.585425	11/5/2012	121615	1859.08	NMEA 0183	12	2	2
660993.052661	4050388.706174	34,600		-109.200413	36.585404	11/5/2012	121755	1858.61	NMEA 0183	12	2	2
661025.423095	4050402.676310	34,600		-109.200048	36.585525	11/5/2012	121952	1858.14	NMEA 0183	12	2	2
660994.658936	4050378.285601	34,600		-109.200397	36.585310	11/5/2012	122037	1859.21	NMEA 0183	12	2	2
660900.114905	4050324.697074	34,600		-109.201465	36.584843	11/5/2012	122621	1861.90	NMEA 0183	12	2	2
660900.938665	4050324.041060	34,600		-109.201456	36.584837	11/5/2012	122622	1861.89	NMEA 0183	12	2	2
660931.242250	4050332.658029	34,600		-109.201115	36.584910	11/5/2012	122741	1861.33	NMEA 0183	12	2	2
660909.325771	4050316.745703	34,600		-109.201364	36.584770	11/5/2012	122803	1861.65	NMEA 0183	12	2	2
660931.860047	4050335.593926	34,600		-109.201108	36.584936	11/5/2012	122831	1861.21	NMEA 0183	12	2	2
660929.973387	4050337.966883	34,600		-109.201128	36.584958	11/5/2012	122904	1861.42	NMEA 0183	12	2	2
660907.327064	4050333.314650	34,600		-109.201382	36.584919	11/5/2012	123113	1861.41	NMEA 0183	12	2	2
660937.331344	4050361.822968	34,600		-109.201041	36.585171	11/5/2012	123322	1860.88	NMEA 0183	12	2	2
660935.005468	4050364.629773	34,600		-109.201067	36.585197	11/5/2012	123325	1860.85	NMEA 0183	12	2	2
660933.244458	4050366.187527	34,600		-109.201086	36.585211	11/5/2012	123327	1860.75	NMEA 0183	12	2	2
660943.863629	4050372.251629	34,600		-109.200966	36.585264	11/5/2012	123345	1860.55	NMEA 0183	12	2	2
660964.173582	4050378.591514	34,600		-109.200738	36.585318	11/5/2012	123421	1860.19	NMEA 0183	12	2	2
660968.613656	4050358.152526	34,600		-109.200693	36.585133	11/5/2012	123521	1860.34	NMEA 0183	12	2	2
660962.177580	4050353.979390	34,600		-109.200765	36.585096	11/5/2012	123527	1860.34	NMEA 0183	12	2	2
660955.444401	4050348.544770	34,600		-109.200842	36.585049	11/5/2012	123534	1860.58	NMEA 0183	12	2	2
660973.932882	4050385.007641	34,600		-109.200627	36.585374	11/5/2012	123651	1860.13	NMEA 0183	12	2	2
660978.343385	4050387.100819	34,600		-109.200578	36.585392	11/5/2012	123658	1860.17	NMEA 0183	12	2	2
660963.133429	4050369.453152	34,600		-109.200751	36.585236	11/5/2012	124124	1861.12	NMEA 0183	12	2	2
660971.504406	4050364.932062	34,600		-109.200659	36.585194	11/5/2012	124142	1860.81	NMEA 0183	12	2	2
660973.650609	4050372.837056	34,600		-109.200633	36.585264	11/5/2012	124207	1860.53	NMEA 0183	12	2	2
660941.382378	4050251.798906	34,600		-109.201019	36.584179	11/6/2012	102859	1862.62	NMEA 0183	12	2	2
660922.368246	4050235.983432	34,600		-109.201235	36.584040	11/6/2012	103010	1863.51	NMEA 0183	12	2	2
660914.302353	4050289.154806	34,600		-109.201314	36.584520	11/6/2012	104231	1862.06	NMEA 0183	12	2	2
660909.835011	4050291.370336	34,600		-109.201363	36.584541	11/6/2012	104301	1862.06	NMEA 0183	12	2	2
660916.282013	4050290.978642	34,600		-109.201291	36.584536	11/6/2012	104337	1862.07	NMEA 0183	12	2	2
661065.815721	4050395.943640	34,600		-109.199599	36.585457	11/6/2012	105303	1858.47	NMEA 0183	12	2	2
661070.358208	4050385.019485	34,600		-109.199550	36.585358	11/6/2012	105344	1858.54	NMEA 0183	12	2	2
661082.580942	4050374.757139	34,600		-109.199416	36.585263	11/6/2012	105505	1858.11	NMEA 0183	12	2	2
661079.394159	4050371.442003	34,600		-109.199452	36.585234	11/6/2012	105509	1858.50	NMEA 0183	12	2	2
661080.467258	4050370.376351	34,600		-109.199440	36.585224	11/6/2012	105511	1858.36	NMEA 0183	12	2	2
661089.139054	4050377.110727	34,600		-109.199342	36.585283	11/6/2012	105521	1858.02	NMEA 0183	12	2	2
661113.452194	4050395.571062	34,600		-109.199066	36.585446	11/6/2012	105641	1857.49	NMEA 0183	12	2	2
661116.605170	4050443.590365	34,600		-109.199021	36.585878	11/8/2012	105028	1857.07	NMEA 0183	12	2	2
660905.592477	4050303.811362	34,700		-109.201408	36.584654	11/3/2012	134503	1862.37	NMEA 0183	12	2	2
660892.134095	4050319.768163	34,700		-109.201555	36.584800	11/3/2012	134530	1862.63	NMEA 0183	12	2	2
660901.263087	4050305.829713	34,700		-109.201456	36.584673	11/3/2012	134544	1862.69	NMEA 0183	12	2	2
660901.936991	4050304.891594	34,700		-109.201449	36.584664	11/3/2012	134545	1862.78	NMEA 0183	12	2	2
660923.156567	4050275.714344	34,700		-109.201218	36.584398	11/3/2012	134616	1863.26	NMEA 0183	12	2	2
660913.999436	4050283.740696	34,700		-109.201318	36.584472	11/3/2012	134707	1862.76	NMEA 0183	12	2	2
660900.616258	4050301.335853	34,700		-109.201464	36.584632	11/3/2012	134725	1862.54	NMEA 0183	12	2	2
660919.220827	4050270.328420	34,700		-109.201263	36.584350	11/3/2012	134920	1863.09	NMEA 0183	12	2	2
660909.405002	4050263.097451	34,700		-109.201374	36.584286	11/3/2012	135113	1863.48	NMEA 0183	12	2	2
660915.324462	4050270.888080	34,700		-109.201306	36.584356	11/3/2012	135207	1863.19	NMEA 0183	12	2	2
660904.465574	4050281.211327	34,700		-109.201425	36.584450	11/3/2012	135312	1863.13	NMEA 0183	12	2	2
660913.622247	4050266.912719	34,700		-109.201326	36.584320	11/3/2012	135327	1863.86	NMEA 0183	12	2	2
660914.251083	4050266.230862	34,700		-109.201319	36.584314	11/3/2012	135328	1863.83	NMEA 0183	12	2	2
660889.492497	4050275.039907	34,700		-109.201594	36.584397	11/3/2012	135916	1862.91	NMEA 0183	12	2	2
660902.897222	4050255.656503	34,700		-109.201448	36.584220	11/3/2012	135935	1863.26	NMEA 0183	12	2	2
660881.271069	4050281.611463	34,700		-109.201684	36.584458	11/3/2012	140042	1862.85	NMEA 0183	12	2	2
660879.993172	4050279.353147	34,700		-109.201699	36.584438	11/3/2012	140144	1862.79	NMEA 0183	12	2	2
660887.075265	4050269.336526	34,700		-109.201622	36.584346	11/3/2012	140154	1862.89	NMEA 0183	12	2	2
660895.242491	4050257.292632	34,700		-109.201533	36.584237	11/3/2012	140206	1863.04	NMEA 0183	12	2	2
660876.246657	4050278.202833	34,700		-109.201741	36.584428	11/3/2012	140319	1862.98	NMEA 0183	12	2	2
660870.307767	4050283.566733	34,700		-109.201806	36.584477	11/3/2012	140416	1862.99	NMEA 0183	12	2	2
660870.406458	4050283.474246	34,700		-109.201805	36.584477	11/3/2012	140455	1863.19	NMEA 0183	12	2	2
660876.313812	4050272.939924	34,700		-109.201742	36.584381	11/3/2012	140533	1862.92	NMEA 0183	12	2	2
660876.282421	4050272.783964	34,700		-109.201742	36.584379	11/3/2012	140539	1862.93	NMEA 0183	12	2	2
660879.140203	4050267.619517	34,700		-109.201711	36.584332	11/3/2012	140546	1863.12	NMEA 0183	12	2	2
660886.116038	4050258.179854	34,700		-109.201635	36.584246	11/3/2012	140608	1862.83	NMEA 0183	12	2	2
660868.677554	4050278.612404	34,700		-109.201826	36.584433	11/3/2012	140855	1863.01	NMEA 0183	12	2	2
660857.078965	4050291.879491	34,700		-109.201953	36.584555	11/3/2012	140921	1862.84	NMEA 0183	12	2	2
660879.335301	4050252.888684	34,700		-109.201712	36.584200	11/3/2012	140958	1862.79	NMEA 0183	12	2	2
660880.009130	4050251.795190	34,700		-109.201705	36.584190	11/3/2012	140959	1862.76	NMEA 0183	12	2	2
660876.836191	4050241.834526	34,700		-109.201742	36.584100	11/3/2012	141200	1863.25	NMEA 0183	12	2	2
660879.644887	4050237.699426	34,700		-109.201712	36.584063	11/3/2012	141204	1863.35	NMEA 0183	12	2	2
660873.846074	4050237.568723	34,700		-109.201777	36.584062	11/3/2012	141244	1863.45	NMEA 0183	12	2	2
660871.047382	4050235.668533	34,700		-109.201808	36.584046	11/3/2012	141326	1863.52	NMEA 0183	12	2	2
660860.020436	4050230.976759	34,700		-109.201932	36.584005	11/3/2012	141539	1864.17	NMEA 0183	12	2	2
660828.839785	4050164.519251	34,700		-109.202295	36.583412	11/3/2012	142001	1865.47	NMEA 0183	12	2	2
660841.129807	4050188.056859	34,700		-109.202152	36.583622	11/3/2012	142034	1865.23	NMEA 0183	12	2	2
660844.316600	4050184.522566	34,700		-109.202118	36.583589	11/3/2012	142038	1865.28	NMEA 0183	12	2	2
660842.819625	4050176.032317	34,700		-109.202136	36.583513	11/3/2012	142048	1865.10	NMEA 0183	12	2	2
661036.033795	4050414.363381	34,700		-109.199927	36.585628	11/5/2012	115140	1858.69	NMEA 0183	12	2	2
661035.143523	4050413.632731	34,700		-109.199938	36.585622	11/5/2012	115141	1858.74	NMEA 0183	12	2	2
661031.208280	4050414.678072	34,700		-109.199981	36.585632	11/5/2012	115152	1858.69	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661028.229456	4050421.364336	34,700		-109.200013	36.585692	11/5/2012	115259	1858.58	NMEA 0183	12	2	2
660985.717267	4050390.181726	34,700		-109.200495	36.585419	11/5/2012	115402	1859.31	NMEA 0183	12	2	2
660988.388465	4050396.496590	34,700		-109.200464	36.585475	11/5/2012	115524	1859.18	NMEA 0183	12	2	2
660988.169969	4050406.491831	34,700		-109.200464	36.585565	11/5/2012	121516	1859.25	NMEA 0183	12	2	2
660987.456464	4050395.604242	34,700		-109.200474	36.585467	11/5/2012	121610	1859.01	NMEA 0183	12	2	2
661009.939326	4050404.274825	34,700		-109.200221	36.585542	11/5/2012	121646	1858.02	NMEA 0183	12	2	2
661024.523720	4050412.625506	34,700		-109.200056	36.585614	11/5/2012	121701	1858.02	NMEA 0183	12	2	2
661021.383471	4050402.445275	34,700		-109.200094	36.585523	11/5/2012	121839	1857.97	NMEA 0183	12	2	2
661018.610143	4050400.469671	34,700		-109.200125	36.585506	11/5/2012	121842	1857.99	NMEA 0183	12	2	2
661003.268013	4050387.336353	34,700		-109.200299	36.585390	11/5/2012	121930	1858.62	NMEA 0183	12	2	2
660912.111817	4050314.458013	34,700		-109.201333	36.584749	11/5/2012	122638	1861.73	NMEA 0183	12	2	2
660946.101204	4050343.723476	34,700		-109.200947	36.585007	11/5/2012	122726	1860.82	NMEA 0183	12	2	2
660904.376876	4050319.266666	34,700		-109.201418	36.584793	11/5/2012	122929	1861.71	NMEA 0183	12	2	2
660913.986771	4050337.974693	34,700		-109.201307	36.584960	11/5/2012	123120	1861.30	NMEA 0183	12	2	2
660917.762898	4050346.307857	34,700		-109.201263	36.585035	11/5/2012	123301	1861.37	NMEA 0183	12	2	2
660943.817818	4050372.228575	34,700		-109.200967	36.585264	11/5/2012	123349	1860.61	NMEA 0183	12	2	2
660991.334589	4050374.986420	34,700		-109.200435	36.585281	11/5/2012	123454	1859.51	NMEA 0183	12	2	2
660967.439915	4050357.503511	34,700		-109.200706	36.585127	11/5/2012	123522	1860.32	NMEA 0183	12	2	2
660939.899868	4050359.122437	34,700		-109.201013	36.585147	11/5/2012	123603	1860.80	NMEA 0183	12	2	2
660941.231321	4050371.586410	34,700		-109.200996	36.585259	11/5/2012	123622	1860.68	NMEA 0183	12	2	2
660954.505607	4050368.969776	34,700		-109.200848	36.585233	11/5/2012	124055	1861.15	NMEA 0183	12	2	2
660957.248945	4050264.745846	34,700		-109.200839	36.584293	11/6/2012	102755	1862.34	NMEA 0183	12	2	2
660952.525972	4050261.172643	34,700		-109.200893	36.584262	11/6/2012	102815	1862.60	NMEA 0183	12	2	2
660896.294102	4050221.186375	34,700		-109.201529	36.583911	11/6/2012	103128	1864.03	NMEA 0183	12	2	2
661074.385363	4050372.859342	34,700		-109.199508	36.585248	11/6/2012	105444	1858.38	NMEA 0183	12	2	2
661090.801625	4050384.788433	34,700		-109.199322	36.585352	11/6/2012	105553	1857.81	NMEA 0183	12	2	2
661099.457210	4050385.461134	34,700		-109.199225	36.585357	11/6/2012	105606	1857.61	NMEA 0183	12	2	2
661108.005042	4050394.828994	34,700		-109.199127	36.585440	11/6/2012	105633	1857.48	NMEA 0183	12	2	2
661126.201934	4050414.656343	34,700		-109.198920	36.585615	11/8/2012	104727	1857.19	NMEA 0183	12	2	2
661122.087228	4050453.690599	34,700		-109.198958	36.585968	11/8/2012	105250	1856.71	NMEA 0183	12	2	2
660910.124952	4050297.477830	34,800		-109.201359	36.584596	11/3/2012	134456	1862.07	NMEA 0183	12	2	2
660891.682824	4050312.954775	34,800		-109.201562	36.584739	11/3/2012	134804	1862.54	NMEA 0183	12	2	2
660905.896709	4050286.997989	34,800		-109.201408	36.584502	11/3/2012	134937	1862.84	NMEA 0183	12	2	2
660897.746807	4050296.682017	34,800		-109.201497	36.584591	11/3/2012	134947	1862.59	NMEA 0183	12	2	2
660903.201315	4050286.912400	34,800		-109.201438	36.584502	11/3/2012	135223	1862.71	NMEA 0183	12	2	2
660893.543665	4050298.330950	34,800		-109.201544	36.584607	11/3/2012	135256	1863.01	NMEA 0183	12	2	2
660912.377452	4050268.544878	34,800		-109.201340	36.584335	11/3/2012	135324	1863.82	NMEA 0183	12	2	2
660911.817475	4050264.431825	34,800		-109.201347	36.584298	11/3/2012	135406	1863.50	NMEA 0183	12	2	2
660896.287478	4050284.988826	34,800		-109.201516	36.584486	11/3/2012	135427	1862.79	NMEA 0183	12	2	2
660909.962257	4050258.748204	34,800		-109.201369	36.584247	11/3/2012	135603	1863.09	NMEA 0183	12	2	2
660877.503033	4050298.670762	34,800		-109.201723	36.584612	11/3/2012	135727	1863.09	NMEA 0183	12	2	2
660876.933304	4050297.947978	34,800		-109.201729	36.584606	11/3/2012	135758	1862.93	NMEA 0183	12	2	2
660881.895553	4050290.488625	34,800		-109.201676	36.584538	11/3/2012	135825	1862.93	NMEA 0183	12	2	2
660873.710760	4050299.328571	34,800		-109.201765	36.584619	11/3/2012	135852	1862.71	NMEA 0183	12	2	2
660865.880301	4050290.986157	34,800		-109.201854	36.584545	11/3/2012	140401	1862.87	NMEA 0183	12	2	2
660897.085086	4050325.504168	34,800		-109.201499	36.584851	11/5/2012	122536	1861.67	NMEA 0183	12	2	2
660905.780936	4050307.769488	34,800		-109.201405	36.584690	11/5/2012	122557	1861.83	NMEA 0183	12	2	2
660899.997618	4050320.203876	34,800		-109.201467	36.584803	11/5/2012	122613	1861.88	NMEA 0183	12	2	2
660899.366336	4050321.176087	34,800		-109.201474	36.584811	11/5/2012	122614	1861.78	NMEA 0183	12	2	2
660911.249104	4050314.007193	34,800		-109.201343	36.584745	11/5/2012	122637	1861.74	NMEA 0183	12	2	2
660947.099585	4050344.496832	34,800		-109.200936	36.585014	11/5/2012	122725	1860.79	NMEA 0183	12	2	2
660916.000165	4050321.578041	34,800		-109.201288	36.584812	11/5/2012	122756	1861.48	NMEA 0183	12	2	2
660918.260702	4050334.216619	34,800		-109.201260	36.584926	11/5/2012	122950	1861.08	NMEA 0183	12	2	2
660913.044745	4050340.087884	34,800		-109.201317	36.584980	11/5/2012	123211	1861.44	NMEA 0183	12	2	2
660894.311535	4050330.472271	34,800		-109.201528	36.584896	11/5/2012	123238	1861.83	NMEA 0183	12	2	2
660938.174809	4050373.341871	34,800		-109.201029	36.585275	11/5/2012	123338	1860.55	NMEA 0183	12	2	2
660949.151942	4050368.810358	34,800		-109.200908	36.585232	11/5/2012	124017	1861.03	NMEA 0183	12	2	2
660954.758192	4050369.660733	34,800		-109.200845	36.585239	11/5/2012	124056	1861.15	NMEA 0183	12	2	2
660889.020185	4050208.768434	34,800		-109.201613	36.583800	11/6/2012	103206	1864.39	NMEA 0183	12	2	2
660910.061736	4050294.877858	34,800		-109.201360	36.584573	11/6/2012	104329	1861.91	NMEA 0183	12	2	2
661046.461139	4050403.109227	34,800		-109.199813	36.585525	11/6/2012	105142	1858.73	NMEA 0183	12	2	2
661039.735025	4050414.582536	34,900		-109.199886	36.585629	11/5/2012	115129	1858.68	NMEA 0183	12	2	2
661031.081322	4050421.933813	34,900		-109.199981	36.585697	11/5/2012	115314	1858.50	NMEA 0183	12	2	2
660995.719774	4050396.672722	34,900		-109.200382	36.585475	11/5/2012	115352	1859.04	NMEA 0183	12	2	2
660990.116111	4050395.844562	34,900		-109.200444	36.585469	11/5/2012	115415	1859.21	NMEA 0183	12	2	2
660914.160783	4050316.005695	34,900		-109.201310	36.584762	11/5/2012	122644	1861.63	NMEA 0183	12	2	2
660919.050638	4050319.348943	34,900		-109.201254	36.584792	11/5/2012	122649	1861.58	NMEA 0183	12	2	2
660935.632486	4050332.329584	34,900		-109.201066	36.584906	11/5/2012	122706	1861.12	NMEA 0183	12	2	2
660927.273863	4050329.735251	34,900		-109.201160	36.584884	11/5/2012	122745	1861.46	NMEA 0183	12	2	2
660910.049008	4050317.236455	34,900		-109.201355	36.584774	11/5/2012	122802	1861.60	NMEA 0183	12	2	2
660943.085229	4050343.711407	34,900		-109.200981	36.585007	11/5/2012	122842	1860.87	NMEA 0183	12	2	2
660917.071152	4050336.643320	34,900		-109.201273	36.584948	11/5/2012	123045	1861.11	NMEA 0183	12	2	2
660911.814577	4050333.128588	34,900		-109.201332	36.584917	11/5/2012	123050	1861.33	NMEA 0183	12	2	2
660903.314727	4050330.268983	34,900		-109.201428	36.584893	11/5/2012	123109	1861.31	NMEA 0183	12	2	2
660916.674838	4050340.044848	34,900		-109.201277	36.584979	11/5/2012	123123	1861.20	NMEA 0183	12	2	2
660924.014756	4050344.863755	34,900		-109.201194	36.585021	11/5/2012	123131	1861.11	NMEA 0183	12	2	2
660984.736173	4050384.980571	34,900		-109.200507	36.585372	11/5/2012	123444	1859.74	NMEA 0183	12	2	2
660946.596276	4050357.039288	34,900		-109.200939	36.585127	11/5/2012	123821	1860.20	NMEA 0183	12	2	2
660911.649351	4050289.434393	34,900		-109.201343	36.584523	11/6/2012	104254	1861.94	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660911.758117	4050295.179660	34,900		-109.201341	36.584575	11/6/2012	104331	1861.96	NMEA 0183	12	2	2
661072.449139	4050371.108418	34,900		-109.199530	36.585232	11/6/2012	105442	1858.54	NMEA 0183	12	2	2
661097.952657	4050387.262268	34,900		-109.199241	36.585373	11/6/2012	105608	1857.62	NMEA 0183	12	2	2
661115.174640	4050411.514242	34,900		-109.199044	36.585589	11/8/2012	104826	1857.51	NMEA 0183	12	2	2
661135.176504	4050413.350359	34,900		-109.198820	36.585602	11/8/2012	104935	1857.48	NMEA 0183	12	2	2
660887.266956	4050234.222249	34,900		-109.201627	36.584030	11/3/2012	141054	1863.55	NMEA 0183	12	2	2
660862.812167	4050188.283092	34,900		-109.201910	36.583620	11/3/2012	142226	1864.99	NMEA 0183	12	2	2
660962.317561	4050373.989921	34,900		-109.200760	36.585277	11/5/2012	124130	1860.92	NMEA 0183	12	2	2
660936.641445	4050247.750011	34,900		-109.201073	36.584144	11/6/2012	102918	1862.83	NMEA 0183	12	2	2
661114.199181	4050446.292042	34,900		-109.199047	36.585903	11/8/2012	105031	1857.04	NMEA 0183	12	2	2
660935.156544	4050260.375822	34,900		-109.201087	36.584258	11/3/2012	134404	1862.59	NMEA 0183	12	2	2
660934.907349	4050260.539478	34,900		-109.201090	36.584259	11/3/2012	134414	1862.56	NMEA 0183	12	2	2
660930.563014	4050265.267305	34,900		-109.201137	36.584302	11/3/2012	134627	1863.18	NMEA 0183	12	2	2
660932.169568	4050263.275686	34,900		-109.201120	36.584284	11/3/2012	134629	1863.17	NMEA 0183	12	2	2
660928.789877	4050257.271277	34,900		-109.201159	36.584231	11/3/2012	134906	1863.23	NMEA 0183	12	2	2
660927.271781	4050259.079585	34,900		-109.201175	36.584247	11/3/2012	134908	1863.19	NMEA 0183	12	2	2
660929.565089	4050254.587116	34,900		-109.201150	36.584206	11/3/2012	135147	1863.06	NMEA 0183	12	2	2
660909.084043	4050238.163417	34,900		-109.201383	36.584062	11/3/2012	140230	1863.19	NMEA 0183	12	2	2
660843.533521	4050185.395758	34,900		-109.202126	36.583597	11/3/2012	142037	1865.27	NMEA 0183	12	2	2
660837.526437	4050183.319031	34,900		-109.202194	36.583580	11/3/2012	142122	1865.39	NMEA 0183	12	2	2
660848.144593	4050184.350024	34,900		-109.202075	36.583587	11/3/2012	142214	1865.21	NMEA 0183	12	2	2
660860.684850	4050186.615580	34,900		-109.201934	36.583605	11/3/2012	142224	1865.01	NMEA 0183	12	2	2
660911.812915	4050312.415929	34,900		-109.201337	36.584730	11/5/2012	122514	1861.49	NMEA 0183	12	2	2
660903.821229	4050327.355981	34,900		-109.201423	36.584866	11/5/2012	123058	1861.31	NMEA 0183	12	2	2
661086.778315	4050372.142660	34,900		-109.199369	36.585239	11/6/2012	105539	1858.27	NMEA 0183	12	2	2
661098.832079	4050381.964633	34,900		-109.199233	36.585326	11/6/2012	105602	1857.77	NMEA 0183	12	2	2
660927.411457	4050271.939270	34,900		-109.201171	36.584363	11/3/2012	134428	1862.34	NMEA 0183	12	2	2
660910.255329	4050249.943703	34,900		-109.201367	36.584168	11/3/2012	135637	1863.15	NMEA 0183	12	2	2
660899.176750	4050260.686420	34,900		-109.201489	36.584266	11/3/2012	135930	1863.35	NMEA 0183	12	2	2
660906.681731	4050242.263571	34,900		-109.201409	36.584099	11/3/2012	140222	1862.77	NMEA 0183	12	2	2
660896.640135	4050243.427753	34,900		-109.201521	36.584111	11/3/2012	140623	1863.46	NMEA 0183	12	2	2
661032.221262	4050411.804156	34,900		-109.199971	36.585606	11/5/2012	115144	1858.78	NMEA 0183	12	2	2
660916.008257	4050317.320247	34,900		-109.201289	36.584774	11/5/2012	122646	1861.52	NMEA 0183	12	2	2
660939.285867	4050335.664495	34,900		-109.201025	36.584935	11/5/2012	122710	1861.08	NMEA 0183	12	2	2
660940.256058	4050336.509460	34,900		-109.201014	36.584943	11/5/2012	122711	1861.13	NMEA 0183	12	2	2
660925.791051	4050252.037913	34,900		-109.201193	36.584184	11/3/2012	135344	1863.46	NMEA 0183	12	2	2
660916.603768	4050249.479875	34,900		-109.201296	36.584163	11/3/2012	135612	1863.45	NMEA 0183	12	2	2
660896.129306	4050250.796534	34,900		-109.201525	36.584178	11/3/2012	140252	1863.47	NMEA 0183	12	2	2
660900.485484	4050237.384703	34,900		-109.201479	36.584056	11/3/2012	140629	1863.35	NMEA 0183	12	2	2
660889.390848	4050231.528180	34,900		-109.201604	36.584005	11/3/2012	141051	1863.55	NMEA 0183	12	2	2
660846.308697	4050176.434230	34,900		-109.202097	36.583516	11/3/2012	141944	1864.97	NMEA 0183	12	2	2
660978.708304	4050366.417210	34,900		-109.200578	36.585206	11/5/2012	124215	1860.65	NMEA 0183	12	2	2
661087.813406	4050372.946317	34,900		-109.199358	36.585246	11/6/2012	105540	1858.29	NMEA 0183	12	2	2
661043.273719	4050407.074409	35,000		-109.199948	36.585561	11/5/2012	115037	1858.80	NMEA 0183	12	2	2
661039.482871	4050417.213598	35,000		-109.199888	36.585653	11/5/2012	115136	1858.68	NMEA 0183	12	2	2
661033.052003	4050423.278446	35,000		-109.199959	36.585709	11/5/2012	115312	1858.53	NMEA 0183	12	2	2
660982.006096	4050389.536985	35,000		-109.200536	36.585413	11/5/2012	115406	1859.37	NMEA 0183	12	2	2
661015.782910	4050411.487015	35,000		-109.200154	36.585606	11/5/2012	115440	1858.63	NMEA 0183	12	2	2
661000.892557	4050404.976593	35,000		-109.200322	36.585549	11/5/2012	115512	1858.90	NMEA 0183	12	2	2
661024.466658	4050402.053552	35,000		-109.200059	36.585519	11/5/2012	121951	1858.10	NMEA 0183	12	2	2
660922.134260	4050321.644764	35,000		-109.201219	36.584812	11/5/2012	122652	1861.59	NMEA 0183	12	2	2
660949.387800	4050344.498977	35,000		-109.200910	36.585013	11/5/2012	122722	1860.75	NMEA 0183	12	2	2
660934.132567	4050336.912739	35,000		-109.201082	36.584947	11/5/2012	122833	1861.17	NMEA 0183	12	2	2
660921.289693	4050336.322752	35,000		-109.201226	36.584944	11/5/2012	122953	1861.02	NMEA 0183	12	2	2
660929.393722	4050349.011524	35,000		-109.201133	36.585057	11/5/2012	123137	1861.06	NMEA 0183	12	2	2
660943.853153	4050372.173746	35,000		-109.200966	36.585263	11/5/2012	123354	1860.55	NMEA 0183	12	2	2
660988.662416	4050372.307995	35,000		-109.200466	36.585257	11/5/2012	123459	1859.89	NMEA 0183	12	2	2
660977.692554	4050388.559123	35,000		-109.200585	36.585405	11/5/2012	123656	1860.04	NMEA 0183	12	2	2
660964.763866	4050372.877828	35,000		-109.200732	36.585266	11/5/2012	124133	1861.14	NMEA 0183	12	2	2
660946.554696	4050256.469971	35,000		-109.200960	36.584220	11/6/2012	102839	1862.45	NMEA 0183	12	2	2
661061.716497	4050398.177085	35,000		-109.199644	36.585478	11/6/2012	105232	1858.74	NMEA 0183	12	2	2
661077.438839	4050383.289524	35,000		-109.199471	36.585341	11/6/2012	105417	1858.26	NMEA 0183	12	2	2
661085.431992	4050377.440796	35,000		-109.199383	36.585287	11/6/2012	105502	1857.97	NMEA 0183	12	2	2
661094.667971	4050385.032900	35,000		-109.199278	36.585354	11/6/2012	105557	1857.69	NMEA 0183	12	2	2
661114.508148	4050413.011086	35,000		-109.199051	36.585603	11/8/2012	104829	1857.41	NMEA 0183	12	2	2
661111.485046	4050439.328942	35,000		-109.199079	36.585840	11/8/2012	105003	1857.30	NMEA 0183	12	2	2
661113.392269	4050447.003842	35,000		-109.199056	36.585909	11/8/2012	105032	1857.07	NMEA 0183	12	2	2
660922.550936	4050279.300621	35,100		-109.201224	36.584430	11/3/2012	134436	1862.42	NMEA 0183	12	2	2
660914.641334	4050282.759436	35,100		-109.201311	36.584463	11/3/2012	134706	1862.81	NMEA 0183	12	2	2
660890.995040	4050317.025979	35,100		-109.201568	36.584775	11/3/2012	134740	1862.53	NMEA 0183	12	2	2
660892.867927	4050294.265674	35,100		-109.201552	36.584570	11/3/2012	135045	1862.84	NMEA 0183	12	2	2
660909.558999	4050272.563255	35,100		-109.201370	36.584372	11/3/2012	135320	1863.58	NMEA 0183	12	2	2
660910.186954	4050271.529943	35,100		-109.201363	36.584362	11/3/2012	135321	1863.66	NMEA 0183	12	2	2
660905.255918	4050272.935889	35,100		-109.201418	36.584376	11/3/2012	135415	1863.07	NMEA 0183	12	2	2
660888.973253	4050295.134272	35,100		-109.201596	36.584579	11/3/2012	135437	1862.86	NMEA 0183	12	2	2
660874.657323	4050317.460117	35,100		-109.201751	36.584782	11/3/2012	135500	1862.90	NMEA 0183	12	2	2
660877.544580	4050307.690539	35,100		-109.201721	36.584694	11/3/2012	135517	1862.81	NMEA 0183	12	2	2
660902.910031	4050269.000275	35,100		-109.201445	36.584341	11/3/2012	135553	1862.99	NMEA 0183	12	2	2
660904.257461	4050267.064841	35,100		-109.201431	36.584323	11/3/2012	135555	1863.29	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660889.386229	4050279.761980	35,100		-109.201594	36.584440	11/3/2012	135709	1863.03	NMEA 0183	12	2	2
660884.426210	4050286.942070	35,100		-109.201648	36.584505	11/3/2012	135716	1863.15	NMEA 0183	12	2	2
660879.410044	4050295.528712	35,100		-109.201702	36.584584	11/3/2012	135724	1863.11	NMEA 0183	12	2	2
660882.482421	4050289.737543	35,100		-109.201669	36.584531	11/3/2012	135806	1862.88	NMEA 0183	12	2	2
660876.309430	4050295.335665	35,100		-109.201737	36.584583	11/3/2012	135856	1862.77	NMEA 0183	12	2	2
660888.892965	4050275.670524	35,100		-109.201600	36.584403	11/3/2012	135915	1862.95	NMEA 0183	12	2	2
660903.197493	4050251.886943	35,100		-109.201446	36.584186	11/3/2012	140010	1863.05	NMEA 0183	12	2	2
660884.045739	4050277.540468	35,100		-109.201654	36.584421	11/3/2012	140038	1862.82	NMEA 0183	12	2	2
660869.164287	4050298.120748	35,100		-109.201816	36.584609	11/3/2012	140059	1862.77	NMEA 0183	12	2	2
660887.951582	4050261.567657	35,100		-109.201614	36.584276	11/3/2012	140303	1863.03	NMEA 0183	12	2	2
660870.420471	4050283.522600	35,100		-109.201805	36.584477	11/3/2012	140451	1863.20	NMEA 0183	12	2	2
660872.793505	4050279.072302	35,100		-109.201780	36.584437	11/3/2012	140504	1863.05	NMEA 0183	12	2	2
660875.116067	4050275.007641	35,100		-109.201755	36.584400	11/3/2012	140508	1862.99	NMEA 0183	12	2	2
660870.008358	4050276.528679	35,100		-109.201811	36.584414	11/3/2012	140853	1862.98	NMEA 0183	12	2	2
660862.549525	4050279.894244	35,100		-109.201894	36.584446	11/3/2012	140933	1862.89	NMEA 0183	12	2	2
660863.268158	4050278.877424	35,100		-109.201886	36.584436	11/3/2012	140934	1862.90	NMEA 0183	12	2	2
660892.923480	4050233.427312	35,100		-109.201564	36.584022	11/3/2012	141017	1863.20	NMEA 0183	12	2	2
660893.617774	4050232.356398	35,100		-109.201557	36.584012	11/3/2012	141018	1863.15	NMEA 0183	12	2	2
660852.280237	4050182.962457	35,100		-109.202029	36.583574	11/3/2012	141911	1864.61	NMEA 0183	12	2	2
660836.987616	4050175.839980	35,100		-109.202201	36.583512	11/3/2012	142140	1865.44	NMEA 0183	12	2	2
660875.106995	4050197.765194	35,100		-109.201771	36.583704	11/3/2012	142238	1864.59	NMEA 0183	12	2	2
661033.688408	4050417.095809	35,100		-109.199953	36.585653	11/5/2012	115155	1858.67	NMEA 0183	12	2	2
661026.914006	4050416.734010	35,100		-109.200029	36.585651	11/5/2012	115214	1858.67	NMEA 0183	12	2	2
661029.229551	4050421.965716	35,100		-109.200002	36.585698	11/5/2012	115300	1858.53	NMEA 0183	12	2	2
661034.719021	4050425.225933	35,100		-109.199940	36.585726	11/5/2012	115306	1858.48	NMEA 0183	12	2	2
661027.340185	4050418.987496	35,100		-109.200024	36.585671	11/5/2012	115318	1858.59	NMEA 0183	12	2	2
661015.679867	4050409.581771	35,100		-109.200156	36.585588	11/5/2012	115331	1858.74	NMEA 0183	12	2	2
661009.875071	4050405.714517	35,100		-109.200222	36.585555	11/5/2012	115337	1858.91	NMEA 0183	12	2	2
660991.198371	4050374.932078	35,100		-109.200437	36.585280	11/5/2012	122041	1859.26	NMEA 0183	12	2	2
660906.408863	4050319.410128	35,100		-109.201396	36.584794	11/5/2012	122523	1861.57	NMEA 0183	12	2	2
660901.139828	4050327.500130	35,100		-109.201453	36.584867	11/5/2012	122531	1861.56	NMEA 0183	12	2	2
660898.298968	4050322.892953	35,100		-109.201486	36.584827	11/5/2012	122616	1861.87	NMEA 0183	12	2	2
660910.283985	4050313.528561	35,100		-109.201354	36.584741	11/5/2012	122636	1861.68	NMEA 0183	12	2	2
660934.362443	4050334.752926	35,100		-109.201080	36.584928	11/5/2012	122738	1861.27	NMEA 0183	12	2	2
660938.133755	4050339.836135	35,100		-109.201037	36.584973	11/5/2012	122837	1861.07	NMEA 0183	12	2	2
660924.901471	4050345.546234	35,100		-109.201184	36.585027	11/5/2012	123132	1861.00	NMEA 0183	12	2	2
660920.562602	4050348.709345	35,100		-109.201231	36.585056	11/5/2012	123304	1861.29	NMEA 0183	12	2	2
660947.882216	4050373.447762	35,100		-109.200921	36.585274	11/5/2012	123407	1860.56	NMEA 0183	12	2	2
660940.129724	4050351.385861	35,100		-109.201012	36.585077	11/5/2012	123554	1860.70	NMEA 0183	12	2	2
660951.193988	4050371.443678	35,100		-109.200884	36.585256	11/5/2012	123630	1860.61	NMEA 0183	12	2	2
660954.970791	4050371.371961	35,100		-109.200842	36.585254	11/5/2012	123633	1860.62	NMEA 0183	12	2	2
660945.140077	4050354.346649	35,100		-109.200956	36.585103	11/5/2012	123800	1860.49	NMEA 0183	12	2	2
660948.267227	4050357.423857	35,100		-109.200920	36.585130	11/5/2012	123824	1860.41	NMEA 0183	12	2	2
660934.852947	4050369.350982	35,100		-109.201067	36.585240	11/5/2012	123909	1861.27	NMEA 0183	12	2	2
660984.859268	4050372.750988	35,100		-109.200508	36.585262	11/5/2012	124251	1860.22	NMEA 0183	12	2	2
660883.249081	4050275.392888	35,200		-109.201664	36.584402	11/3/2012	140148	1862.67	NMEA 0183	12	2	2
660870.309120	4050283.574157	35,200		-109.201806	36.584478	11/3/2012	140417	1862.99	NMEA 0183	12	2	2
660870.566419	4050283.216436	35,200		-109.201804	36.584474	11/3/2012	140457	1863.08	NMEA 0183	12	2	2
660885.382280	4050215.603332	35,200		-109.201652	36.583863	11/3/2012	141347	1863.84	NMEA 0183	12	2	2
660840.997349	4050173.129387	35,200		-109.202157	36.583487	11/3/2012	141949	1865.16	NMEA 0183	12	2	2
660838.848350	4050177.245395	35,200		-109.202180	36.583525	11/3/2012	142138	1865.35	NMEA 0183	12	2	2
660835.933724	4050175.161783	35,200		-109.202213	36.583506	11/3/2012	142141	1865.39	NMEA 0183	12	2	2
660858.513637	4050185.141462	35,200		-109.201959	36.583593	11/3/2012	142222	1865.10	NMEA 0183	12	2	2
660882.386941	4050206.115806	35,200		-109.201688	36.583778	11/3/2012	142335	1864.17	NMEA 0183	12	2	2
661041.342988	4050405.826706	35,200		-109.199870	36.585550	11/5/2012	115039	1858.84	NMEA 0183	12	2	2
661024.532306	4050419.095825	35,200		-109.200055	36.585673	11/5/2012	115255	1858.61	NMEA 0183	12	2	2
661014.777992	4050410.824507	35,200		-109.200166	36.585600	11/5/2012	115439	1858.66	NMEA 0183	12	2	2
660994.904575	4050407.067417	35,200		-109.200389	36.585569	11/5/2012	121455	1859.17	NMEA 0183	12	2	2
660902.387908	4050325.751385	35,200		-109.201439	36.584852	11/5/2012	122529	1861.63	NMEA 0183	12	2	2
660944.274523	4050339.705084	35,200		-109.200968	36.584971	11/5/2012	122715	1861.08	NMEA 0183	12	2	2
660949.174084	4050343.644127	35,200		-109.200913	36.585006	11/5/2012	122721	1860.70	NMEA 0183	12	2	2
660927.899423	4050336.320696	35,200		-109.201152	36.584943	11/5/2012	122906	1861.34	NMEA 0183	12	2	2
660919.857181	4050345.115175	35,200		-109.201240	36.585024	11/5/2012	123204	1861.25	NMEA 0183	12	2	2
660903.116794	4050333.193309	35,200		-109.201430	36.584919	11/5/2012	123221	1861.55	NMEA 0183	12	2	2
660893.435634	4050329.769651	35,200		-109.201538	36.584890	11/5/2012	123237	1861.77	NMEA 0183	12	2	2
660916.731992	4050345.678169	35,200		-109.201275	36.585029	11/5/2012	123300	1861.30	NMEA 0183	12	2	2
660966.081841	4050380.402928	35,200		-109.200716	36.585334	11/5/2012	123423	1860.04	NMEA 0183	12	2	2
660976.018621	4050362.920907	35,200		-109.200609	36.585175	11/5/2012	123514	1860.32	NMEA 0183	12	2	2
660946.538150	4050352.813548	35,200		-109.200940	36.585089	11/5/2012	123802	1860.57	NMEA 0183	12	2	2
660970.400788	4050372.169514	35,200		-109.200670	36.585259	11/5/2012	124152	1860.51	NMEA 0183	12	2	2
660984.847131	4050372.761859	35,200		-109.200508	36.585262	11/5/2012	124252	1860.22	NMEA 0183	12	2	2
660948.079055	4050357.116298	35,200		-109.200943	36.584226	11/6/2012	102837	1862.35	NMEA 0183	12	2	2
660910.859763	4050288.742635	35,200		-109.201352	36.584517	11/6/2012	104255	1862.02	NMEA 0183	12	2	2
661056.462305	4050404.652393	35,200		-109.199701	36.585537	11/6/2012	105154	1858.56	NMEA 0183	12	2	2
661055.190903	4050398.149167	35,200		-109.199717	36.585479	11/6/2012	105221	1858.60	NMEA 0183	12	2	2
661075.345898	4050373.741136	35,200		-109.199497	36.585255	11/6/2012	105445	1858.31	NMEA 0183	12	2	2
661087.245135	4050378.993352	35,200		-109.199363	36.585301	11/6/2012	105500	1857.92	NMEA 0183	12	2	2
661111.702807	4050401.840119	35,200		-109.199085	36.585502	11/6/2012	105648	1857.49	NMEA 0183	12	2	2
661124.206161	4050402.871654	35,200		-109.198945	36.585510	11/6/2012	105713	1857.54	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661114.504108	4050411.793925	35,200		-109.199051	36.585592	11/8/2012	104827	1857.40	NMEA 0183	12	2	2
661125.694468	4050448.656803	35,200		-109.198918	36.585922	11/8/2012	105255	1856.64	NMEA 0183	12	2	2
661127.107464	4050446.567258	35,200		-109.198903	36.585903	11/8/2012	105257	1856.64	NMEA 0183	12	2	2
660926.816854	4050272.784539	35,200		-109.201177	36.584371	11/3/2012	134429	1862.41	NMEA 0183	12	2	2
660919.422035	4050284.125190	35,200		-109.201258	36.584474	11/3/2012	134441	1862.37	NMEA 0183	12	2	2
660931.405781	4050259.771058	35,200		-109.201129	36.584253	11/3/2012	134642	1863.22	NMEA 0183	12	2	2
660922.674568	4050265.522878	35,200		-109.201225	36.584306	11/3/2012	134915	1862.72	NMEA 0183	12	2	2
660905.153407	4050287.818280	35,200		-109.201416	36.584510	11/3/2012	134938	1862.76	NMEA 0183	12	2	2
660889.131730	4050300.934109	35,200		-109.201593	36.584631	11/3/2012	135039	1862.66	NMEA 0183	12	2	2
660917.853751	4050267.335958	35,200		-109.201279	36.584323	11/3/2012	135203	1862.97	NMEA 0183	12	2	2
660906.811903	4050270.935920	35,200		-109.201401	36.584358	11/3/2012	135413	1863.13	NMEA 0183	12	2	2
660906.985442	4050255.287245	35,200		-109.201403	36.584216	11/3/2012	135644	1863.07	NMEA 0183	12	2	2
660873.437047	4050292.192965	35,200		-109.201770	36.584555	11/3/2012	140053	1862.89	NMEA 0183	12	2	2
660869.861109	4050284.398126	35,200		-109.201811	36.584485	11/3/2012	140411	1862.93	NMEA 0183	12	2	2
660880.917588	4050265.187164	35,200		-109.201692	36.584310	11/3/2012	140601	1863.00	NMEA 0183	12	2	2
660884.157022	4050238.033566	35,200		-109.201661	36.584065	11/3/2012	141058	1863.40	NMEA 0183	12	2	2
660828.352527	4050170.471625	35,200		-109.202299	36.583465	11/3/2012	142149	1865.75	NMEA 0183	12	2	2
660886.298495	4050206.579283	35,200		-109.201644	36.583781	11/3/2012	142249	1864.23	NMEA 0183	12	2	2
661038.606368	4050416.544244	35,200		-109.199898	36.585647	11/5/2012	115137	1858.63	NMEA 0183	12	2	2
661030.596530	4050410.545540	35,200		-109.199989	36.585595	11/5/2012	115146	1858.80	NMEA 0183	12	2	2
661036.231802	4050423.143792	35,200		-109.199923	36.585707	11/5/2012	115204	1858.58	NMEA 0183	12	2	2
660877.693310	4050286.349961	35,300		-109.201723	36.584501	11/3/2012	140047	1862.85	NMEA 0183	12	2	2
660871.141245	4050295.066939	35,300		-109.201795	36.584581	11/3/2012	140056	1862.81	NMEA 0183	12	2	2
660894.457786	4050258.252723	35,300		-109.201542	36.584245	11/3/2012	140205	1863.05	NMEA 0183	12	2	2
660868.856030	4050286.214194	35,300		-109.201822	36.584502	11/3/2012	140406	1862.91	NMEA 0183	12	2	2
660870.351461	4050283.543505	35,300		-109.201806	36.584477	11/3/2012	140427	1863.01	NMEA 0183	12	2	2
660887.872745	4050247.127646	35,300		-109.201618	36.584146	11/3/2012	140825	1863.00	NMEA 0183	12	2	2
660883.689961	4050253.427040	35,300		-109.201663	36.584204	11/3/2012	140831	1862.72	NMEA 0183	12	2	2
660865.489639	4050283.722586	35,300		-109.201860	36.584480	11/3/2012	140900	1863.00	NMEA 0183	12	2	2
660857.503897	4050295.318582	35,300		-109.201947	36.584586	11/3/2012	140912	1862.91	NMEA 0183	12	2	2
660883.080097	4050247.594712	35,300		-109.201671	36.584151	11/3/2012	141003	1862.79	NMEA 0183	12	2	2
660866.084849	4050262.993357	35,300		-109.201858	36.584293	11/3/2012	141123	1863.40	NMEA 0183	12	2	2
660888.552643	4050226.100355	35,300		-109.201615	36.583957	11/3/2012	141216	1863.67	NMEA 0183	12	2	2
660855.189501	4050182.461985	35,300		-109.201997	36.583569	11/3/2012	141908	1864.82	NMEA 0183	12	2	2
660829.727054	4050165.333057	35,300		-109.202285	36.583419	11/3/2012	142000	1865.38	NMEA 0183	12	2	2
660826.917225	4050164.026420	35,300		-109.202316	36.583408	11/3/2012	142003	1865.65	NMEA 0183	12	2	2
660831.680057	4050178.472657	35,300		-109.202260	36.583537	11/3/2012	142116	1865.52	NMEA 0183	12	2	2
660832.669905	4050179.305029	35,300		-109.202249	36.583544	11/3/2012	142117	1865.53	NMEA 0183	12	2	2
660882.346144	4050203.353484	35,300		-109.201689	36.583753	11/3/2012	142245	1864.25	NMEA 0183	12	2	2
661032.118598	4050415.453489	35,300		-109.199971	36.585639	11/5/2012	115153	1858.72	NMEA 0183	12	2	2
661027.789229	4050417.471176	35,300		-109.200019	36.585657	11/5/2012	115213	1858.65	NMEA 0183	12	2	2
661032.034398	4050425.682457	35,300		-109.199970	36.585731	11/5/2012	115242	1858.44	NMEA 0183	12	2	2
661030.977571	4050425.083714	35,300		-109.199982	36.585726	11/5/2012	115243	1858.46	NMEA 0183	12	2	2
661011.385387	4050411.648810	35,300		-109.200203	36.585608	11/5/2012	115502	1858.70	NMEA 0183	12	2	2
660994.435453	4050404.716945	35,300		-109.200394	36.585548	11/5/2012	121600	1858.89	NMEA 0183	12	2	2
660903.699535	4050310.425505	35,300		-109.201428	36.584714	11/5/2012	122554	1861.78	NMEA 0183	12	2	2
660903.166594	4050314.751162	35,300		-109.201433	36.584753	11/5/2012	122608	1861.75	NMEA 0183	12	2	2
660898.037208	4050323.568733	35,300		-109.201488	36.584833	11/5/2012	122617	1861.88	NMEA 0183	12	2	2
660913.513287	4050315.612544	35,300		-109.201317	36.584759	11/5/2012	122643	1861.62	NMEA 0183	12	2	2
660911.377013	4050321.598791	35,300		-109.201340	36.584813	11/5/2012	122811	1861.43	NMEA 0183	12	2	2
660925.383675	4050331.420065	35,300		-109.201181	36.584899	11/5/2012	122825	1861.34	NMEA 0183	12	2	2
660920.486273	4050330.951063	35,300		-109.201236	36.584896	11/5/2012	122913	1861.52	NMEA 0183	12	2	2
660912.122677	4050329.976965	35,300		-109.201330	36.584889	11/5/2012	122944	1861.36	NMEA 0183	12	2	2
660919.263419	4050334.917917	35,300		-109.201249	36.584932	11/5/2012	122951	1861.07	NMEA 0183	12	2	2
660943.849963	4050372.184785	35,300		-109.200966	36.585264	11/5/2012	123358	1860.51	NMEA 0183	12	2	2
660980.919052	4050366.732358	35,300		-109.200553	36.585208	11/5/2012	123509	1860.18	NMEA 0183	12	2	2
660935.265320	4050370.749655	35,300		-109.201062	36.585252	11/5/2012	123617	1860.71	NMEA 0183	12	2	2
660974.196123	4050365.770422	35,300		-109.200629	36.585201	11/5/2012	123723	1860.64	NMEA 0183	12	2	2
660943.775179	4050365.581903	35,300		-109.200968	36.585204	11/5/2012	123925	1860.98	NMEA 0183	12	2	2
660959.323786	4050353.591169	35,300		-109.200797	36.585093	11/5/2012	124001	1860.97	NMEA 0183	12	2	2
660970.825362	4050365.746151	35,300		-109.200666	36.585201	11/5/2012	124141	1860.93	NMEA 0183	12	2	2
660974.274095	4050371.883201	35,300		-109.200626	36.585256	11/5/2012	124208	1860.61	NMEA 0183	12	2	2
661068.653399	4050358.973730	35,300		-109.199575	36.585123	11/6/2012	102114	1859.17	NMEA 0183	12	2	2
660911.792107	4050287.226707	35,300		-109.201342	36.584503	11/6/2012	104228	1862.13	NMEA 0183	12	2	2
660915.030970	4050289.677103	35,300		-109.201306	36.584525	11/6/2012	104236	1862.13	NMEA 0183	12	2	2
661043.422001	4050400.830838	35,300		-109.199848	36.585505	11/6/2012	105139	1858.84	NMEA 0183	12	2	2
661057.027322	4050399.972205	35,300		-109.199696	36.585495	11/6/2012	105223	1858.58	NMEA 0183	12	2	2
661061.034786	4050392.683730	35,300		-109.199653	36.585428	11/6/2012	105258	1858.52	NMEA 0183	12	2	2
661064.729494	4050395.799362	35,300		-109.199611	36.585456	11/6/2012	105302	1858.47	NMEA 0183	12	2	2
661066.714809	4050395.327896	35,300		-109.199589	36.585451	11/6/2012	105304	1858.41	NMEA 0183	12	2	2
661067.254972	4050394.363238	35,300		-109.199583	36.585443	11/6/2012	105305	1858.41	NMEA 0183	12	2	2
661061.767598	4050387.248319	35,300		-109.199646	36.585379	11/6/2012	105313	1858.69	NMEA 0183	12	2	2
660875.899390	4050217.281105	35,400		-109.201758	36.583879	11/3/2012	141452	1863.54	NMEA 0183	12	2	2
660844.538649	4050192.587586	35,400		-109.202113	36.583662	11/3/2012	141922	1865.02	NMEA 0183	12	2	2
660990.606909	4050393.373341	35,400		-109.200439	36.585447	11/5/2012	115357	1859.13	NMEA 0183	12	2	2
660991.121587	4050396.477483	35,400		-109.200433	36.585474	11/5/2012	115416	1859.15	NMEA 0183	12	2	2
661014.786710	4050407.332487	35,400		-109.200166	36.585568	11/5/2012	121651	1858.04	NMEA 0183	12	2	2
660923.055184	4050344.248349	35,400		-109.201204	36.585015	11/5/2012	123130	1861.12	NMEA 0183	12	2	2
660933.130340	4050351.804187	35,400		-109.201090	36.585082	11/5/2012	123141	1860.91	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660950.405300	4050373.493147	35,400		-109.200893	36.585274	11/5/2012	123409	1860.49	NMEA 0183	12	2	2
660972.958365	4050384.155191	35,400		-109.200639	36.585367	11/5/2012	123650	1860.10	NMEA 0183	12	2	2
660953.488632	4050350.146964	35,400		-109.200863	36.585063	11/5/2012	123832	1861.07	NMEA 0183	12	2	2
660949.630816	4050367.851944	35,400		-109.200903	36.585224	11/5/2012	124016	1861.00	NMEA 0183	12	2	2
660955.544815	4050370.191519	35,400		-109.200836	36.585244	11/5/2012	124057	1861.10	NMEA 0183	12	2	2
660963.819992	4050368.476431	35,400		-109.200744	36.585227	11/5/2012	124123	1861.00	NMEA 0183	12	2	2
660927.842516	4050240.223614	35,400		-109.201173	36.584077	11/6/2012	102952	1863.35	NMEA 0183	12	2	2
660912.792553	4050296.338419	35,400		-109.201329	36.584585	11/6/2012	104311	1861.80	NMEA 0183	12	2	2
661053.654845	4050408.400879	35,400		-109.199732	36.585571	11/6/2012	105149	1858.57	NMEA 0183	12	2	2
661077.772009	4050382.306191	35,400		-109.199468	36.585332	11/6/2012	105418	1858.26	NMEA 0183	12	2	2
661083.981121	4050369.530300	35,400		-109.199401	36.585216	11/6/2012	105530	1858.41	NMEA 0183	12	2	2
660925.249736	4050328.295311	35,500		-109.201183	36.584871	11/5/2012	122747	1861.41	NMEA 0183	12	2	2
660909.775952	4050331.666185	35,500		-109.201355	36.584904	11/5/2012	123052	1861.29	NMEA 0183	12	2	2
660911.904482	4050341.794135	35,500		-109.201330	36.584995	11/5/2012	123255	1861.43	NMEA 0183	12	2	2
660943.884990	4050372.226133	35,500		-109.200966	36.585264	11/5/2012	123346	1860.55	NMEA 0183	12	2	2
660957.843903	4050374.154019	35,500		-109.200809	36.585279	11/5/2012	123415	1860.64	NMEA 0183	12	2	2
660980.966273	4050389.693795	35,500		-109.200548	36.585415	11/5/2012	123439	1859.74	NMEA 0183	12	2	2
660949.960065	4050371.379885	35,500		-109.200898	36.585255	11/5/2012	123629	1860.62	NMEA 0183	12	2	2
660965.496628	4050372.142430	35,500		-109.200724	36.585260	11/5/2012	124134	1861.16	NMEA 0183	12	2	2
660980.482142	4050369.113954	35,500		-109.200558	36.585230	11/5/2012	124220	1860.56	NMEA 0183	12	2	2
660978.624062	4050371.872168	35,500		-109.200578	36.585255	11/5/2012	124223	1860.54	NMEA 0183	12	2	2
661074.015204	4050361.804304	35,500		-109.199514	36.585148	11/6/2012	102043	1859.20	NMEA 0183	12	2	2
660927.178813	4050239.659988	35,500		-109.201180	36.584072	11/6/2012	102953	1863.34	NMEA 0183	12	2	2
660902.592372	4050219.658036	35,500		-109.201459	36.583896	11/6/2012	103117	1863.98	NMEA 0183	12	2	2
660913.375341	4050288.632495	35,500		-109.201324	36.584516	11/6/2012	104322	1862.02	NMEA 0183	12	2	2
661060.885802	4050402.547100	35,500		-109.199652	36.585517	11/6/2012	105227	1858.76	NMEA 0183	12	2	2
661046.354197	4050414.392084	35,600		-109.199812	36.585627	11/5/2012	115101	1858.71	NMEA 0183	12	2	2
661032.992365	4050416.268915	35,600		-109.199961	36.585646	11/5/2012	115154	1858.70	NMEA 0183	12	2	2
660998.822961	4050403.496940	35,600		-109.200345	36.585536	11/5/2012	115514	1859.02	NMEA 0183	12	2	2
660988.307084	4050408.808340	35,600		-109.200462	36.585586	11/5/2012	121519	1859.22	NMEA 0183	12	2	2
661019.484223	4050401.188918	35,600		-109.200115	36.585512	11/5/2012	121841	1858.07	NMEA 0183	12	2	2
661005.245538	4050388.714401	35,600		-109.200277	36.585402	11/5/2012	121932	1858.63	NMEA 0183	12	2	2
660907.137935	4050318.313970	35,600		-109.201388	36.584784	11/5/2012	122522	1861.64	NMEA 0183	12	2	2
660934.572824	4050331.482944	35,600		-109.201078	36.584898	11/5/2012	122705	1861.18	NMEA 0183	12	2	2
660916.320625	4050327.887722	35,600		-109.201283	36.584869	11/5/2012	122917	1861.59	NMEA 0183	12	2	2
660922.327364	4050336.989560	35,600		-109.201214	36.584950	11/5/2012	122954	1860.92	NMEA 0183	12	2	2
660920.847133	4050345.781090	35,600		-109.201229	36.585030	11/5/2012	123203	1861.12	NMEA 0183	12	2	2
660936.439668	4050370.888168	35,600		-109.201049	36.585253	11/5/2012	123618	1860.80	NMEA 0183	12	2	2
660977.338378	4050388.275040	35,600		-109.200589	36.585403	11/5/2012	123655	1860.04	NMEA 0183	12	2	2
660975.169463	4050366.606203	35,600		-109.200617	36.585208	11/5/2012	123722	1860.64	NMEA 0183	12	2	2
660962.737913	4050356.159547	35,600		-109.200759	36.585116	11/5/2012	123735	1860.75	NMEA 0183	12	2	2
660952.331249	4050367.985735	35,600		-109.200872	36.585224	11/5/2012	124024	1861.21	NMEA 0183	12	2	2
660975.470818	4050370.030041	35,600		-109.200613	36.585239	11/5/2012	124210	1860.66	NMEA 0183	12	2	2
660981.063223	4050368.353521	35,600		-109.200551	36.585223	11/5/2012	124219	1860.64	NMEA 0183	12	2	2
660914.087486	4050229.064193	35,600		-109.201329	36.583979	11/6/2012	103040	1863.65	NMEA 0183	12	2	2
660907.560743	4050223.272795	35,600		-109.201403	36.583928	11/6/2012	103059	1863.84	NMEA 0183	12	2	2
660912.683979	4050294.647636	35,600		-109.201331	36.584570	11/6/2012	104332	1862.05	NMEA 0183	12	2	2
661061.719854	4050382.551102	35,600		-109.199647	36.585337	11/6/2012	105331	1858.77	NMEA 0183	12	2	2
661093.505175	4050378.785108	35,600		-109.199293	36.585298	11/6/2012	105547	1857.96	NMEA 0183	12	2	2
660901.278696	4050328.667905	35,700		-109.201451	36.584879	11/5/2012	123107	1861.36	NMEA 0183	12	2	2
660910.756261	4050341.215893	35,700		-109.201342	36.584990	11/5/2012	123254	1861.53	NMEA 0183	12	2	2
660981.705691	4050388.771144	35,700		-109.200540	36.585407	11/5/2012	123440	1859.79	NMEA 0183	12	2	2
660980.670996	4050371.296405	35,700		-109.200555	36.585249	11/5/2012	123716	1860.40	NMEA 0183	12	2	2
660966.344966	4050371.209432	35,700		-109.200715	36.585251	11/5/2012	124135	1861.11	NMEA 0183	12	2	2
660971.041230	4050371.186382	35,700		-109.200663	36.585250	11/5/2012	124151	1860.58	NMEA 0183	12	2	2
660926.432660	4050239.516545	35,700		-109.201189	36.584071	11/6/2012	102954	1863.36	NMEA 0183	12	2	2
660911.353930	4050286.887414	35,700		-109.201347	36.584500	11/6/2012	104227	1862.16	NMEA 0183	12	2	2
660914.572159	4050289.324477	35,700		-109.201311	36.584522	11/6/2012	104232	1862.09	NMEA 0183	12	2	2
661052.915833	4050400.869960	35,700		-109.199742	36.585504	11/6/2012	105158	1858.59	NMEA 0183	12	2	2
661049.607262	4050392.908023	35,700		-109.199780	36.585432	11/6/2012	105215	1858.76	NMEA 0183	12	2	2
661121.742731	4050402.906871	35,700		-109.198972	36.585510	11/6/2012	105710	1857.48	NMEA 0183	12	2	2
661113.346163	4050416.033874	35,700		-109.199063	36.585630	11/8/2012	104818	1857.45	NMEA 0183	12	2	2
660900.796985	4050310.489562	35,800		-109.201460	36.584715	11/3/2012	134510	1862.18	NMEA 0183	12	2	2
660921.685365	4050277.647460	35,800		-109.201234	36.584415	11/3/2012	134614	1863.26	NMEA 0183	12	2	2
660915.834416	4050277.354829	35,800		-109.201299	36.584414	11/3/2012	134840	1863.19	NMEA 0183	12	2	2
660903.447473	4050289.780299	35,800		-109.201435	36.584528	11/3/2012	134940	1862.90	NMEA 0183	12	2	2
660914.378871	4050254.461942	35,800		-109.201320	36.584208	11/3/2012	135121	1862.98	NMEA 0183	12	2	2
660910.534500	4050276.791366	35,800		-109.201358	36.584410	11/3/2012	135213	1863.09	NMEA 0183	12	2	2
660898.114201	4050293.470464	35,800		-109.201494	36.584562	11/3/2012	135230	1862.87	NMEA 0183	12	2	2
660897.650965	4050291.760096	35,800		-109.201499	36.584547	11/3/2012	135302	1863.18	NMEA 0183	12	2	2
660874.681130	4050312.201946	35,800		-109.201752	36.584735	11/3/2012	135512	1862.90	NMEA 0183	12	2	2
660901.460611	4050262.277337	35,800		-109.201463	36.584280	11/3/2012	135652	1863.44	NMEA 0183	12	2	2
660887.122958	4050282.889963	35,800		-109.201619	36.584469	11/3/2012	135712	1863.12	NMEA 0183	12	2	2
660884.763837	4050286.038349	35,800		-109.201644	36.584497	11/3/2012	135821	1863.00	NMEA 0183	12	2	2
660879.681679	4050293.846894	35,800		-109.201700	36.584569	11/3/2012	135828	1862.91	NMEA 0183	12	2	2
660874.089721	4050302.433862	35,800		-109.201760	36.584647	11/3/2012	135836	1862.90	NMEA 0183	12	2	2
660877.589253	4050293.186250	35,800		-109.201723	36.584563	11/3/2012	135858	1862.71	NMEA 0183	12	2	2
660892.167000	4050265.401377	35,800		-109.201566	36.584310	11/3/2012	140026	1863.03	NMEA 0183	12	2	2
660900.489336	4050250.330627	35,800		-109.201476	36.584173	11/3/2012	140213	1863.25	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661035.372194	4050410.821811	35,800		-109.199936	36.585596	11/5/2012	115124	1858.81	NMEA 0183	12	2	2
661008.332415	4050409.630979	35,800		-109.200238	36.585590	11/5/2012	115505	1858.76	NMEA 0183	12	2	2
660998.458035	4050391.918550	35,800		-109.200352	36.585432	11/5/2012	121800	1858.43	NMEA 0183	12	2	2
661024.007857	4050404.488378	35,800		-109.200064	36.585541	11/5/2012	121836	1857.85	NMEA 0183	12	2	2
660942.222794	4050338.146245	35,800		-109.200992	36.584957	11/5/2012	122713	1861.11	NMEA 0183	12	2	2
660913.117399	4050325.606311	35,800		-109.201319	36.584849	11/5/2012	122920	1861.71	NMEA 0183	12	2	2
660915.256399	4050332.066558	35,800		-109.201294	36.584907	11/5/2012	122947	1861.20	NMEA 0183	12	2	2
660912.123842	4050336.848518	35,800		-109.201328	36.584951	11/5/2012	123118	1861.35	NMEA 0183	12	2	2
660981.708035	4050371.996503	35,800		-109.200543	36.585255	11/5/2012	123715	1860.40	NMEA 0183	12	2	2
660969.751647	4050373.298608	35,800		-109.200677	36.585269	11/5/2012	124153	1860.37	NMEA 0183	12	2	2
660902.642415	4050219.694117	35,800		-109.201459	36.583896	11/6/2012	103116	1863.97	NMEA 0183	12	2	2
661058.941691	4050401.535900	35,800		-109.199674	36.585509	11/6/2012	105225	1858.63	NMEA 0183	12	2	2
661060.811068	4050397.300024	35,800		-109.199654	36.585470	11/6/2012	105233	1858.50	NMEA 0183	12	2	2
660942.044755	4050252.194188	35,900		-109.201012	36.584183	11/6/2012	102858	1862.56	NMEA 0183	12	2	2
660902.590390	4050219.524823	35,900		-109.201459	36.583895	11/6/2012	103118	1863.97	NMEA 0183	12	2	2
660911.306351	4050286.879125	35,900		-109.201348	36.584500	11/6/2012	104225	1861.96	NMEA 0183	12	2	2
661055.687784	4050403.714896	35,900		-109.199710	36.585529	11/6/2012	105155	1858.64	NMEA 0183	12	2	2
661064.214677	4050389.598858	35,900		-109.199618	36.585400	11/6/2012	105310	1858.61	NMEA 0183	12	2	2
661097.523941	4050390.080537	35,900		-109.199246	36.585399	11/6/2012	105611	1857.62	NMEA 0183	12	2	2
660901.820551	4050326.177289	35,900		-109.201445	36.584856	11/5/2012	123100	1861.44	NMEA 0183	12	2	2
660926.230333	4050273.676200	35,900		-109.201184	36.584379	11/3/2012	134430	1862.42	NMEA 0183	12	2	2
660924.430896	4050276.489164	35,900		-109.201203	36.584405	11/3/2012	134433	1862.46	NMEA 0183	12	2	2
660929.870382	4050266.329000	35,900		-109.201145	36.584312	11/3/2012	134626	1863.16	NMEA 0183	12	2	2
660909.631482	4050289.572345	35,900		-109.201366	36.584525	11/3/2012	134713	1862.48	NMEA 0183	12	2	2
660930.362054	4050255.920850	35,900		-109.201141	36.584218	11/3/2012	134904	1863.13	NMEA 0183	12	2	2
660921.200908	4050267.587274	35,900		-109.201241	36.584325	11/3/2012	134917	1862.74	NMEA 0183	12	2	2
660904.629402	4050271.740374	35,900		-109.201425	36.584365	11/3/2012	135105	1862.93	NMEA 0183	12	2	2
660919.451169	4050259.536196	35,900		-109.201262	36.584253	11/3/2012	135335	1863.38	NMEA 0183	12	2	2
660903.402547	4050246.669157	35,900		-109.201444	36.584139	11/3/2012	140217	1863.24	NMEA 0183	12	2	2
660905.036188	4050244.824164	35,900		-109.201427	36.584123	11/3/2012	140219	1862.98	NMEA 0183	12	2	2
660908.029984	4050239.965616	35,900		-109.201394	36.584078	11/3/2012	140226	1862.74	NMEA 0183	12	2	2
660895.420586	4050251.841283	35,900		-109.201533	36.584187	11/3/2012	140253	1863.46	NMEA 0183	12	2	2
660901.697501	4050235.511472	35,900		-109.201466	36.584039	11/3/2012	140631	1863.41	NMEA 0183	12	2	2
660887.940918	4050240.375771	35,900		-109.201618	36.584085	11/3/2012	141010	1863.13	NMEA 0183	12	2	2
660849.258123	4050180.405162	35,900		-109.202063	36.583551	11/3/2012	141939	1864.96	NMEA 0183	12	2	2
660885.351115	4050208.500010	35,900		-109.201654	36.583799	11/3/2012	142338	1864.14	NMEA 0183	12	2	2
660960.916419	4050372.818741	35,900		-109.200775	36.585266	11/5/2012	124128	1861.00	NMEA 0183	12	2	2
660906.815607	4050222.596667	35,900		-109.201411	36.583922	11/6/2012	103100	1863.85	NMEA 0183	12	2	2
660935.182413	4050260.348561	35,900		-109.201086	36.584257	11/3/2012	134412	1862.61	NMEA 0183	12	2	2
660933.614187	4050261.647271	35,900		-109.201104	36.584269	11/3/2012	134631	1863.20	NMEA 0183	12	2	2
660927.090430	4050265.181958	35,900		-109.201176	36.584302	11/3/2012	134648	1862.97	NMEA 0183	12	2	2
660926.419505	4050266.199667	35,900		-109.201183	36.584312	11/3/2012	134649	1862.93	NMEA 0183	12	2	2
660928.756218	4050254.845727	35,900		-109.201159	36.584209	11/3/2012	135148	1863.09	NMEA 0183	12	2	2
660896.851454	4050249.911108	35,900		-109.201517	36.584170	11/3/2012	140251	1863.42	NMEA 0183	12	2	2
660881.082706	4050241.854798	35,900		-109.201695	36.584100	11/3/2012	141102	1863.19	NMEA 0183	12	2	2
660834.515126	4050177.632301	35,900		-109.202229	36.583529	11/3/2012	142159	1865.56	NMEA 0183	12	2	2
661100.046724	4050384.490004	36,000		-109.199218	36.585348	11/6/2012	105605	1857.67	NMEA 0183	12	2	2
661119.564522	4050443.836344	36,000		-109.198988	36.585880	11/8/2012	105046	1856.90	NMEA 0183	12	2	2
661138.711192	4050415.133109	36,000		-109.198780	36.585618	11/8/2012	105119	1857.09	NMEA 0183	12	2	2
661129.603104	4050452.771600	36,000		-109.198874	36.585958	11/8/2012	105438	1856.50	NMEA 0183	12	2	2
660926.582435	4050271.122845	36,100		-109.201180	36.584356	11/3/2012	134621	1863.09	NMEA 0183	12	2	2
660929.232294	4050267.265938	36,100		-109.201152	36.584321	11/3/2012	134625	1863.25	NMEA 0183	12	2	2
660921.116845	4050273.991115	36,100		-109.201241	36.584383	11/3/2012	134657	1863.06	NMEA 0183	12	2	2
660918.820749	4050276.959404	36,100		-109.201266	36.584410	11/3/2012	134700	1862.85	NMEA 0183	12	2	2
660916.021363	4050280.835711	36,100		-109.201296	36.584445	11/3/2012	134704	1862.91	NMEA 0183	12	2	2
660889.738999	4050319.020466	36,100		-109.201582	36.584794	11/3/2012	134742	1862.49	NMEA 0183	12	2	2
660917.487402	4050275.432514	36,100		-109.201281	36.584396	11/3/2012	134842	1863.20	NMEA 0183	12	2	2
660921.925187	4050269.855581	36,100		-109.201233	36.584345	11/3/2012	134848	1862.71	NMEA 0183	12	2	2
660894.771145	4050300.891672	36,100		-109.201530	36.584629	11/3/2012	134951	1862.81	NMEA 0183	12	2	2
660912.897870	4050273.815085	36,100		-109.201333	36.584382	11/3/2012	135210	1863.05	NMEA 0183	12	2	2
660908.981319	4050268.041093	36,100		-109.201378	36.584331	11/3/2012	135410	1863.40	NMEA 0183	12	2	2
660880.092541	4050294.450177	36,100		-109.201695	36.584574	11/3/2012	135723	1863.15	NMEA 0183	12	2	2
660884.027587	4050287.119577	36,100		-109.201652	36.584507	11/3/2012	135822	1863.01	NMEA 0183	12	2	2
660870.352364	4050283.574966	36,100		-109.201806	36.584478	11/3/2012	140414	1863.00	NMEA 0183	12	2	2
660874.519013	4050275.984193	36,100		-109.201761	36.584408	11/3/2012	140507	1863.06	NMEA 0183	12	2	2
660884.933683	4050237.104767	36,100		-109.201653	36.584056	11/3/2012	141057	1863.38	NMEA 0183	12	2	2
660883.368498	4050238.878907	36,100		-109.201670	36.584073	11/3/2012	141059	1863.36	NMEA 0183	12	2	2
660860.864169	4050194.890664	36,100		-109.201931	36.583680	11/3/2012	141753	1864.56	NMEA 0183	12	2	2
660833.475796	4050176.893336	36,100		-109.202240	36.583522	11/3/2012	142158	1865.61	NMEA 0183	12	2	2
660887.291379	4050207.248947	36,100		-109.201633	36.583787	11/3/2012	142250	1864.27	NMEA 0183	12	2	2
660879.011729	4050204.014311	36,100		-109.201726	36.583759	11/3/2012	142332	1864.13	NMEA 0183	12	2	2
661041.280568	4050408.920041	36,100		-109.199870	36.585578	11/5/2012	115054	1858.81	NMEA 0183	12	2	2
661044.644412	4050412.020218	36,100		-109.199832	36.585606	11/5/2012	115058	1858.74	NMEA 0183	12	2	2
660909.904161	4050250.534574	36,100		-109.201371	36.584173	11/3/2012	135639	1863.20	NMEA 0183	12	2	2
660904.545274	4050258.700462	36,100		-109.201429	36.584248	11/3/2012	135648	1863.45	NMEA 0183	12	2	2
660894.771682	4050252.798367	36,100		-109.201540	36.584196	11/3/2012	140254	1863.35	NMEA 0183	12	2	2
660873.436782	4050278.017078	36,100		-109.201773	36.584427	11/3/2012	140505	1863.04	NMEA 0183	12	2	2
660884.975372	4050251.218541	36,100		-109.201649	36.584184	11/3/2012	140829	1862.81	NMEA 0183	12	2	2
660892.504849	4050227.818673	36,100		-109.201570	36.583971	11/3/2012	141047	1863.39	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660886.708272	4050222.466380	36,100		-109.201636	36.583924	11/3/2012	141228	1863.78	NMEA 0183	12	2	2
660880.463353	4050229.912828	36,100		-109.201704	36.583992	11/3/2012	141236	1863.37	NMEA 0183	12	2	2
660827.817215	4050175.244860	36,100		-109.202304	36.583509	11/3/2012	142112	1865.75	NMEA 0183	12	2	2
660838.414779	4050184.155053	36,100		-109.202184	36.583587	11/3/2012	142123	1865.30	NMEA 0183	12	2	2
660859.595445	4050185.842381	36,100		-109.201947	36.583599	11/3/2012	142223	1865.07	NMEA 0183	12	2	2
660935.132789	4050260.369829	36,100		-109.201087	36.584258	11/3/2012	134406	1862.64	NMEA 0183	12	2	2
660930.978991	4050266.394143	36,100		-109.201132	36.584313	11/3/2012	134422	1862.50	NMEA 0183	12	2	2
660917.412838	4050283.480891	36,100		-109.201280	36.584469	11/3/2012	134608	1863.05	NMEA 0183	12	2	2
660921.961614	4050266.554598	36,100		-109.201233	36.584315	11/3/2012	134916	1862.66	NMEA 0183	12	2	2
660925.961561	4050250.977543	36,100		-109.201191	36.584174	11/3/2012	135140	1863.28	NMEA 0183	12	2	2
660906.947247	4050246.169498	36,100		-109.201405	36.584134	11/3/2012	140004	1862.93	NMEA 0183	12	2	2
660899.812620	4050238.426423	36,100		-109.201486	36.584066	11/3/2012	140628	1863.29	NMEA 0183	12	2	2
660886.357195	4050249.119126	36,100		-109.201634	36.584164	11/3/2012	140827	1862.86	NMEA 0183	12	2	2
661029.516856	4050413.157402	36,100		-109.200001	36.585618	11/5/2012	115150	1858.76	NMEA 0183	12	2	2
660935.171003	4050260.320603	36,100		-109.201087	36.584257	11/3/2012	134354	1862.67	NMEA 0183	12	2	2
660917.599022	4050287.002452	36,100		-109.201277	36.584500	11/3/2012	134444	1862.25	NMEA 0183	12	2	2
660919.144104	4050246.294196	36,100		-109.201269	36.584133	11/3/2012	135129	1863.64	NMEA 0183	12	2	2
660889.491483	4050253.093534	36,100		-109.201599	36.584200	11/3/2012	140613	1863.04	NMEA 0183	12	2	2
660844.628080	4050187.328795	36,100		-109.202114	36.583615	11/3/2012	141932	1865.22	NMEA 0183	12	2	2
660847.368081	4050183.277485	36,100		-109.202084	36.583578	11/3/2012	141936	1865.09	NMEA 0183	12	2	2
660845.683935	4050184.074631	36,100		-109.202102	36.583585	11/3/2012	142212	1865.39	NMEA 0183	12	2	2
661052.620661	4050407.787760	36,200		-109.199744	36.585566	11/6/2012	105148	1858.64	NMEA 0183	12	2	2
661122.759933	4050452.737677	36,200		-109.198950	36.585959	11/8/2012	105251	1856.68	NMEA 0183	12	2	2
660967.901373	4050376.038474	36,200		-109.200697	36.585294	11/5/2012	124156	1860.44	NMEA 0183	12	2	2
660925.647076	4050267.221025	36,200		-109.201192	36.584321	11/3/2012	134650	1862.86	NMEA 0183	12	2	2
660906.659857	4050293.486124	36,200		-109.201398	36.584561	11/3/2012	134717	1862.36	NMEA 0183	12	2	2
660890.970812	4050313.936574	36,200		-109.201569	36.584748	11/3/2012	134803	1862.55	NMEA 0183	12	2	2
660911.255288	4050275.739445	36,200		-109.201351	36.584400	11/3/2012	135212	1863.07	NMEA 0183	12	2	2
660905.637692	4050278.998860	36,200		-109.201413	36.584430	11/3/2012	135314	1863.28	NMEA 0183	12	2	2
660914.925683	4050259.836225	36,200		-109.201313	36.584256	11/3/2012	135401	1862.98	NMEA 0183	12	2	2
660903.628052	4050275.110232	36,200		-109.201436	36.584396	11/3/2012	135417	1862.95	NMEA 0183	12	2	2
660901.440507	4050271.162784	36,200		-109.201461	36.584360	11/3/2012	135551	1862.94	NMEA 0183	12	2	2
660915.914113	4050250.382555	36,200		-109.201304	36.584171	11/3/2012	135611	1863.38	NMEA 0183	12	2	2
660905.779455	4050256.997817	36,200		-109.201416	36.584232	11/3/2012	135646	1863.29	NMEA 0183	12	2	2
660908.406606	4050239.369672	36,200		-109.201390	36.584073	11/3/2012	140227	1862.76	NMEA 0183	12	2	2
660904.381084	4050239.895476	36,200		-109.201435	36.584078	11/3/2012	140240	1863.26	NMEA 0183	12	2	2
660882.641323	4050239.793835	36,200		-109.201678	36.584081	11/3/2012	141100	1863.23	NMEA 0183	12	2	2
660830.348519	4050180.515681	36,200		-109.202274	36.583556	11/3/2012	142022	1865.31	NMEA 0183	12	2	2
660833.094766	4050173.099933	36,200		-109.202245	36.583488	11/3/2012	142144	1865.49	NMEA 0183	12	2	2
660885.324124	4050205.797135	36,200		-109.201655	36.583774	11/3/2012	142248	1864.30	NMEA 0183	12	2	2
661032.749958	4050408.584529	36,200		-109.199965	36.585577	11/5/2012	115121	1858.90	NMEA 0183	12	2	2
661033.746650	4050426.728151	36,200		-109.199950	36.585740	11/5/2012	115240	1858.41	NMEA 0183	12	2	2
660955.544845	4050263.979623	36,200		-109.200858	36.584287	11/6/2012	102757	1862.43	NMEA 0183	12	2	2
661029.735962	4050410.697741	36,300		-109.199999	36.585596	11/5/2012	115147	1858.72	NMEA 0183	12	2	2
661011.905435	4050406.899340	36,300		-109.200199	36.585565	11/5/2012	115335	1858.79	NMEA 0183	12	2	2
661015.799290	4050407.904504	36,300		-109.200155	36.585573	11/5/2012	121652	1857.98	NMEA 0183	12	2	2
661022.474850	4050400.641938	36,300		-109.200082	36.585507	11/5/2012	121949	1858.08	NMEA 0183	12	2	2
660898.353856	4050324.423659	36,300		-109.201485	36.584841	11/5/2012	122619	1861.93	NMEA 0183	12	2	2
660917.042499	4050318.011036	36,300		-109.201277	36.584780	11/5/2012	122647	1861.58	NMEA 0183	12	2	2
660946.006473	4050340.974938	36,300		-109.200949	36.584982	11/5/2012	122717	1861.03	NMEA 0183	12	2	2
660938.156918	4050348.639160	36,300		-109.201035	36.585052	11/5/2012	123010	1860.69	NMEA 0183	12	2	2
660901.166295	4050331.963766	36,300		-109.201452	36.584908	11/5/2012	123223	1861.60	NMEA 0183	12	2	2
660951.670010	4050373.346655	36,300		-109.200879	36.585273	11/5/2012	123410	1860.55	NMEA 0183	12	2	2
660956.627548	4050373.629985	36,300		-109.200823	36.585274	11/5/2012	123414	1860.64	NMEA 0183	12	2	2
660981.680124	4050367.512373	36,300		-109.200545	36.585215	11/5/2012	123508	1860.11	NMEA 0183	12	2	2
660973.542345	4050367.226821	36,300		-109.200636	36.585214	11/5/2012	124147	1860.79	NMEA 0183	12	2	2
660972.981277	4050373.690171	36,300		-109.200640	36.585272	11/5/2012	124206	1860.43	NMEA 0183	12	2	2
660973.684363	4050383.382674	36,300		-109.200631	36.585359	11/5/2012	124236	1860.20	NMEA 0183	12	2	2
661045.486041	4050402.288203	36,300		-109.199824	36.585518	11/6/2012	105141	1858.77	NMEA 0183	12	2	2
661052.024851	4050389.745977	36,300		-109.199754	36.585404	11/6/2012	105242	1858.74	NMEA 0183	12	2	2
661091.732900	4050376.166054	36,300		-109.199313	36.585274	11/6/2012	105544	1858.10	NMEA 0183	12	2	2
661093.398244	4050377.725090	36,300		-109.199294	36.585288	11/6/2012	105546	1858.08	NMEA 0183	12	2	2
661100.132917	4050383.392912	36,300		-109.199218	36.585338	11/6/2012	105604	1857.70	NMEA 0183	12	2	2
660943.202520	4050338.959945	36,400		-109.200980	36.584964	11/5/2012	122714	1861.03	NMEA 0183	12	2	2
660979.079011	4050365.181172	36,400		-109.200574	36.585195	11/5/2012	123511	1860.29	NMEA 0183	12	2	2
660971.983847	4050383.302742	36,400		-109.200650	36.585359	11/5/2012	123649	1860.14	NMEA 0183	12	2	2
660935.036782	4050368.535018	36,400		-109.201065	36.585232	11/5/2012	123908	1861.26	NMEA 0183	12	2	2
660963.617727	4050356.971379	36,400		-109.200749	36.585123	11/5/2012	124042	1861.13	NMEA 0183	12	2	2
660957.499448	4050370.004303	36,400		-109.200814	36.585242	11/5/2012	124059	1861.08	NMEA 0183	12	2	2
660967.852788	4050369.391690	36,400		-109.200699	36.585234	11/5/2012	124137	1860.94	NMEA 0183	12	2	2
660972.343123	4050374.630803	36,400		-109.200647	36.585281	11/5/2012	124205	1860.44	NMEA 0183	12	2	2
661087.715822	4050372.979632	36,400		-109.199359	36.585246	11/6/2012	105526	1858.30	NMEA 0183	12	2	2
660935.126516	4050247.077967	36,500		-109.201090	36.584138	11/6/2012	102920	1862.82	NMEA 0183	12	2	2
660911.465550	4050292.878741	36,500		-109.201345	36.584554	11/6/2012	104303	1861.95	NMEA 0183	12	2	2
661082.216594	4050368.010100	36,500		-109.199421	36.585203	11/6/2012	105534	1858.54	NMEA 0183	12	2	2
660852.017676	4050184.318902	36,500		-109.202032	36.583586	11/3/2012	142217	1864.72	NMEA 0183	12	2	2
660943.842092	4050372.206834	36,500		-109.200966	36.585264	11/5/2012	123348	1860.59	NMEA 0183	12	2	2
660959.108115	4050368.297579	36,500		-109.200797	36.585226	11/5/2012	124101	1860.96	NMEA 0183	12	2	2
660914.551248	4050289.325935	36,500		-109.201311	36.584522	11/6/2012	104233	1862.10	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660916.989793	4050287.991722	36,500		-109.201284	36.584509	11/3/2012	134445	1862.21	NMEA 0183	12	2	2
660922.457447	4050276.644591	36,500		-109.201225	36.584406	11/3/2012	134615	1863.27	NMEA 0183	12	2	2
660923.412039	4050264.456473	36,500		-109.201217	36.584296	11/3/2012	134914	1862.82	NMEA 0183	12	2	2
660924.066009	4050258.925247	36,500		-109.201211	36.584246	11/3/2012	135154	1863.16	NMEA 0183	12	2	2
660918.693649	4050260.478298	36,500		-109.201271	36.584261	11/3/2012	135334	1863.35	NMEA 0183	12	2	2
660920.341926	4050258.648379	36,500		-109.201253	36.584244	11/3/2012	135336	1863.40	NMEA 0183	12	2	2
660923.739429	4050250.312610	36,500		-109.201216	36.584169	11/3/2012	135347	1863.41	NMEA 0183	12	2	2
660879.476120	4050309.774269	36,500		-109.201699	36.584712	11/3/2012	135451	1863.08	NMEA 0183	12	2	2
660913.282624	4050240.585532	36,500		-109.201335	36.584083	11/3/2012	135953	1862.71	NMEA 0183	12	2	2
660892.873746	4050264.462022	36,500		-109.201558	36.584302	11/3/2012	140025	1863.05	NMEA 0183	12	2	2
660907.268113	4050241.379304	36,500		-109.201402	36.584091	11/3/2012	140223	1862.70	NMEA 0183	12	2	2
660890.204790	4050230.600079	36,500		-109.201595	36.583997	11/3/2012	141050	1863.48	NMEA 0183	12	2	2
660825.630579	4050165.742892	36,500		-109.202330	36.583423	11/3/2012	142005	1865.66	NMEA 0183	12	2	2
660843.763207	4050176.786138	36,500		-109.202125	36.583520	11/3/2012	142047	1865.13	NMEA 0183	12	2	2
660837.468600	4050179.872012	36,500		-109.202195	36.583549	11/3/2012	142202	1865.56	NMEA 0183	12	2	2
661050.791459	4050404.464773	36,500		-109.199765	36.585536	11/5/2012	114948	1858.81	NMEA 0183	12	2	2
661037.298709	4050423.284006	36,500		-109.199911	36.585708	11/5/2012	115203	1858.57	NMEA 0183	12	2	2
661125.000610	4050449.703663	36,600		-109.198926	36.585931	11/8/2012	105254	1856.68	NMEA 0183	12	2	2
660922.798883	4050260.714208	36,600		-109.201225	36.584263	11/3/2012	135156	1862.58	NMEA 0183	12	2	2
660906.329486	4050277.902004	36,600		-109.201405	36.584420	11/3/2012	135315	1863.31	NMEA 0183	12	2	2
660905.626311	4050248.203461	36,600		-109.201419	36.584153	11/3/2012	140006	1863.03	NMEA 0183	12	2	2
660905.620594	4050243.965756	36,600		-109.201420	36.584115	11/3/2012	140220	1863.00	NMEA 0183	12	2	2
660895.145529	4050245.415925	36,600		-109.201537	36.584130	11/3/2012	140621	1863.43	NMEA 0183	12	2	2
660902.763271	4050233.481981	36,600		-109.201454	36.584021	11/3/2012	140639	1863.44	NMEA 0183	12	2	2
660839.229537	4050185.096980	36,600		-109.202174	36.583595	11/3/2012	142124	1865.36	NMEA 0183	12	2	2
660929.908319	4050261.592700	40,000		-109.201145	36.584269	11/3/2012	134644	1863.24	NMEA 0183	12	2	2
660924.189131	4050249.079898	40,000		-109.201212	36.584158	11/3/2012	135137	1863.35	NMEA 0183	12	2	2
660925.403756	4050252.885212	40,000		-109.201197	36.584192	11/3/2012	135343	1863.46	NMEA 0183	12	2	2
660906.963797	4050236.756828	40,000		-109.201407	36.584049	11/3/2012	140236	1863.31	NMEA 0183	12	2	2
660891.317214	4050242.259030	40,000		-109.201580	36.584102	11/3/2012	140820	1863.32	NMEA 0183	12	2	2
660878.265270	4050226.607026	40,000		-109.201729	36.583963	11/3/2012	141335	1863.50	NMEA 0183	12	2	2
660898.249016	4050225.449459	40,100		-109.201506	36.583949	11/3/2012	141026	1863.34	NMEA 0183	12	2	2
660846.659047	4050184.259343	40,100		-109.202091	36.583587	11/3/2012	141935	1865.21	NMEA 0183	12	2	2
661085.827042	4050371.323927	40,100		-109.199380	36.585232	11/6/2012	105538	1858.37	NMEA 0183	12	2	2
661119.868789	4050451.956570	40,100		-109.198983	36.585953	11/8/2012	105238	1856.79	NMEA 0183	12	2	2
660910.030060	4050246.517594	40,200		-109.201370	36.584137	11/3/2012	135945	1862.87	NMEA 0183	12	2	2
660913.760721	4050241.900349	40,200		-109.201330	36.584095	11/3/2012	135951	1862.86	NMEA 0183	12	2	2
660906.316236	4050247.126916	40,200		-109.201412	36.584143	11/3/2012	140005	1862.94	NMEA 0183	12	2	2
660889.457560	4050259.609292	40,200		-109.201598	36.584258	11/3/2012	140301	1862.98	NMEA 0183	12	2	2
661084.877777	4050370.397950	40,200		-109.199391	36.585524	11/6/2012	105529	1858.38	NMEA 0183	12	2	2
660934.188956	4050261.781958	40,300		-109.201097	36.584270	11/3/2012	134416	1862.51	NMEA 0183	12	2	2
660908.212890	4050236.728415	40,300		-109.201393	36.584049	11/3/2012	140233	1863.30	NMEA 0183	12	2	2
660902.003369	4050243.319111	40,300		-109.201461	36.584109	11/3/2012	140244	1863.39	NMEA 0183	12	2	2
660894.363774	4050246.457458	40,300		-109.201545	36.584139	11/3/2012	140620	1863.42	NMEA 0183	12	2	2
660855.086527	4050201.759526	40,300		-109.201994	36.583743	11/3/2012	141800	1865.03	NMEA 0183	12	2	2
660886.403197	4050211.665989	40,300		-109.201642	36.583827	11/3/2012	142257	1864.07	NMEA 0183	12	2	2
660937.460335	4050333.895329	40,300		-109.201046	36.584920	11/5/2012	122708	1861.12	NMEA 0183	12	2	2
660907.920239	4050249.097242	40,400		-109.201393	36.584161	11/3/2012	135942	1863.16	NMEA 0183	12	2	2
660903.426871	4050273.983716	40,500		-109.201438	36.584386	11/3/2012	135103	1862.77	NMEA 0183	12	2	2
660923.513612	4050259.826796	40,500		-109.201217	36.584255	11/3/2012	135155	1863.00	NMEA 0183	12	2	2
660935.170726	4050260.335395	40,500		-109.201087	36.584257	11/3/2012	134356	1862.69	NMEA 0183	12	2	2
660924.684439	4050249.793894	40,600		-109.201206	36.584164	11/3/2012	135138	1863.39	NMEA 0183	12	2	2
660901.352278	4050244.233612	40,600		-109.201468	36.584118	11/3/2012	140245	1863.32	NMEA 0183	12	2	2
660902.545369	4050233.966217	40,600		-109.201457	36.584025	11/3/2012	140633	1863.52	NMEA 0183	12	2	2
660920.032530	4050244.255839	40,700		-109.201259	36.584115	11/3/2012	135617	1863.65	NMEA 0183	12	2	2
660902.886306	4050233.364055	40,700		-109.201453	36.584020	11/3/2012	140802	1863.15	NMEA 0183	12	2	2
660888.635045	4050239.473173	40,700		-109.201611	36.584077	11/3/2012	141011	1863.14	NMEA 0183	12	2	2
660897.474363	4050226.350550	40,700		-109.201515	36.583957	11/3/2012	141025	1863.28	NMEA 0183	12	2	2
660935.863357	4050257.281604	40,800		-109.201080	36.584230	11/3/2012	134636	1863.08	NMEA 0183	12	2	2
660926.985594	4050252.054723	40,800		-109.201180	36.584184	11/3/2012	135142	1863.22	NMEA 0183	12	2	2
660908.494581	4050253.319694	40,800		-109.201386	36.584198	11/3/2012	135642	1863.03	NMEA 0183	12	2	2
660897.724801	4050262.706834	40,800		-109.201505	36.584285	11/3/2012	135928	1863.25	NMEA 0183	12	2	2
660936.148588	4050258.221028	40,900		-109.201076	36.584238	11/3/2012	134635	1863.05	NMEA 0183	12	2	2
660923.163401	4050249.926345	40,900		-109.201223	36.584165	11/3/2012	135348	1863.45	NMEA 0183	12	2	2
660910.786370	4050241.256485	40,900		-109.201363	36.584089	11/3/2012	135957	1862.65	NMEA 0183	12	2	2
660887.939753	4050233.263762	40,900		-109.201620	36.584021	11/3/2012	141053	1863.62	NMEA 0183	12	2	2
660881.203788	4050235.782743	40,900		-109.201695	36.584045	11/3/2012	141206	1863.24	NMEA 0183	12	2	2
660932.866998	4050262.515578	41,000		-109.201112	36.584277	11/3/2012	134630	1863.34	NMEA 0183	12	2	2
660927.514703	4050252.477104	41,000		-109.201174	36.584188	11/3/2012	135143	1863.15	NMEA 0183	12	2	2
660902.186402	4050234.654975	41,000		-109.201461	36.584031	11/3/2012	140632	1863.51	NMEA 0183	12	2	2
660841.669541	4050185.679031	41,000		-109.202147	36.583600	11/3/2012	142127	1865.32	NMEA 0183	12	2	2
660844.692357	4050177.434258	41,100		-109.202115	36.583525	11/3/2012	142046	1865.00	NMEA 0183	12	2	2
660840.035488	4050181.725310	41,100		-109.202166	36.583565	11/3/2012	142205	1865.51	NMEA 0183	12	2	2
660893.753782	4050259.284613	41,200		-109.201550	36.584255	11/3/2012	140204	1863.02	NMEA 0183	12	2	2
660902.728212	4050233.522018	41,200		-109.201455	36.584021	11/3/2012	140640	1863.42	NMEA 0183	12	2	2
660902.859791	4050231.991103	41,200		-109.201454	36.584007	11/3/2012	140804	1863.13	NMEA 0183	12	2	2
660904.209625	4050245.789021	41,300		-109.201436	36.584131	11/3/2012	140218	1863.02	NMEA 0183	12	2	2
660899.193961	4050239.520949	41,300		-109.201493	36.584076	11/3/2012	140627	1863.34	NMEA 0183	12	2	2
660919.534277	4050245.452499	41,400		-109.201264	36.584126	11/3/2012	135130	1863.62	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
660919.926274	4050245.150941	41,400		-109.201260	36.584123	11/3/2012	135131	1863.54	NMEA 0183	12	2	2
660910.954352	4050241.207838	41,400		-109.201361	36.584089	11/3/2012	135956	1862.65	NMEA 0183	12	2	2
660888.824828	4050254.122424	41,400		-109.201606	36.584209	11/3/2012	140612	1863.01	NMEA 0183	12	2	2
660903.217570	4050232.800556	41,400		-109.201449	36.584014	11/3/2012	140803	1863.15	NMEA 0183	12	2	2
660888.238905	4050255.141726	41,700		-109.201612	36.584218	11/3/2012	140611	1862.97	NMEA 0183	12	2	2
660902.710702	4050233.580880	41,700		-109.201455	36.584022	11/3/2012	140643	1863.43	NMEA 0183	12	2	2
660891.952552	4050241.150018	41,700		-109.201573	36.584092	11/3/2012	140819	1863.24	NMEA 0183	12	2	2
660902.678037	4050233.652406	41,800		-109.201455	36.584022	11/3/2012	140634	1863.56	NMEA 0183	12	2	2
660902.775307	4050233.556194	41,800		-109.201454	36.584021	11/3/2012	140801	1863.19	NMEA 0183	12	2	2
660829.379655	4050179.757689	41,800		-109.202285	36.583549	11/3/2012	142021	1865.43	NMEA 0183	12	2	2
661029.236166	4050411.498537	41,800		-109.200004	36.585603	11/5/2012	115148	1858.78	NMEA 0183	12	2	2
660915.564056	4050289.886846	41,900		-109.201300	36.584527	11/3/2012	134447	1862.14	NMEA 0183	12	2	2
660887.540316	4050221.527520	41,900		-109.201627	36.583916	11/3/2012	141227	1863.83	NMEA 0183	12	2	2
660845.981085	4050185.254731	41,900		-109.202099	36.583596	11/3/2012	141934	1865.12	NMEA 0183	12	2	2
660938.338181	4050334.812552	41,900		-109.201036	36.584928	11/5/2012	122709	1861.14	NMEA 0183	12	2	2
660919.265618	4050245.380883	42,000		-109.201267	36.584125	11/3/2012	135616	1863.68	NMEA 0183	12	2	2
660913.450957	4050242.430956	42,000		-109.201333	36.584100	11/3/2012	135950	1862.87	NMEA 0183	12	2	2
660890.064752	4050219.669599	42,000		-109.201599	36.583898	11/3/2012	141224	1863.69	NMEA 0183	12	2	2
660912.803250	4050289.550323	42,400		-109.201330	36.584524	11/3/2012	134601	1862.69	NMEA 0183	12	2	2
660921.947140	4050246.925608	42,400		-109.201237	36.584139	11/3/2012	135134	1863.44	NMEA 0183	12	2	2
660902.726932	4050232.590432	42,400		-109.201455	36.584022	11/3/2012	140641	1863.44	NMEA 0183	12	2	2
660878.845956	4050232.005985	42,400		-109.201722	36.584011	11/3/2012	141238	1863.33	NMEA 0183	12	2	2
661115.325983	4050439.574794	42,400		-109.199036	36.585842	11/8/2012	105012	1857.18	NMEA 0183	12	2	2
660902.776553	4050233.489629	42,500		-109.201454	36.584021	11/3/2012	140638	1863.44	NMEA 0183	12	2	2
660917.532631	4050242.093024	43,100		-109.201288	36.584096	11/3/2012	135627	1863.48	NMEA 0183	12	2	2
660889.360145	4050208.856181	43,100		-109.201609	36.583801	11/3/2012	142253	1864.31	NMEA 0183	12	2	2
660887.041551	4050209.678439	43,200		-109.201635	36.583809	11/3/2012	142340	1864.17	NMEA 0183	12	2	2
660887.449940	4050209.935787	43,200		-109.201630	36.583811	11/3/2012	142342	1864.17	NMEA 0183	12	2	2
660902.740557	4050233.500053	43,500		-109.201455	36.584021	11/3/2012	140636	1863.56	NMEA 0183	12	2	2
660846.759857	4050180.545241	43,500		-109.202091	36.583553	11/3/2012	142042	1865.09	NMEA 0183	12	2	2
660845.621929	4050182.604832	43,600		-109.202103	36.583572	11/3/2012	142040	1865.29	NMEA 0183	12	2	2
660911.580069	4050292.259395	43,600		-109.201344	36.584549	11/6/2012	104326	1861.96	NMEA 0183	12	2	2
660920.747046	4050243.220449	43,700		-109.201251	36.584105	11/3/2012	135618	1863.63	NMEA 0183	12	2	2
660902.698911	4050233.573261	43,700		-109.201455	36.584022	11/3/2012	140642	1863.42	NMEA 0183	12	2	2
660902.716805	4050233.573595	43,700		-109.201455	36.584022	11/3/2012	140645	1863.43	NMEA 0183	12	2	2
660894.657260	4050237.151703	43,700		-109.201544	36.584055	11/3/2012	140815	1863.07	NMEA 0183	12	2	2
660846.174907	4050181.923309	44,000		-109.202097	36.583563	11/3/2012	142041	1865.17	NMEA 0183	12	2	2
660841.632557	4050178.804962	44,000		-109.202149	36.583538	11/3/2012	142135	1865.28	NMEA 0183	12	2	2
660912.948628	4050243.128129	44,300		-109.201339	36.584106	11/3/2012	135949	1862.89	NMEA 0183	12	2	2
660892.628577	4050240.258180	44,300		-109.201566	36.584083	11/3/2012	140818	1863.20	NMEA 0183	12	2	2
660908.282661	4050244.557532	44,400		-109.201390	36.584120	11/3/2012	140002	1862.82	NMEA 0183	12	2	2
660898.906004	4050224.538768	44,400		-109.201499	36.583941	11/3/2012	141027	1863.33	NMEA 0183	12	2	2
660918.379312	4050241.169238	44,700		-109.201278	36.584087	11/3/2012	135626	1863.57	NMEA 0183	12	2	2
660882.683830	4050233.855335	44,700		-109.201679	36.584027	11/3/2012	141208	1863.41	NMEA 0183	12	2	2
660913.319146	4050290.917638	44,700		-109.201324	36.584536	11/6/2012	104252	1862.01	NMEA 0183	12	2	2
660913.418311	4050288.727633	44,800		-109.201324	36.584517	11/3/2012	134602	1862.72	NMEA 0183	12	2	2
660892.310955	4050261.295950	44,800		-109.201565	36.584273	11/3/2012	140202	1862.91	NMEA 0183	12	2	2
660900.587103	4050230.759231	44,800		-109.201479	36.583997	11/3/2012	140807	1863.20	NMEA 0183	12	2	2
660893.288580	4050239.345695	44,900		-109.201559	36.584075	11/3/2012	140817	1863.23	NMEA 0183	12	2	2
660894.001326	4050225.730653	44,900		-109.201554	36.583952	11/3/2012	141045	1863.52	NMEA 0183	12	2	2
660924.348565	4050267.100537	45,100		-109.201206	36.584320	11/3/2012	134851	1862.85	NMEA 0183	12	2	2
660890.645140	4050236.403340	45,100		-109.201589	36.584049	11/3/2012	141014	1863.19	NMEA 0183	12	2	2
660899.573291	4050223.635669	45,100		-109.201492	36.583933	11/3/2012	141028	1863.37	NMEA 0183	12	2	2
660845.682681	4050178.081673	45,200		-109.202104	36.583531	11/3/2012	142045	1864.95	NMEA 0183	12	2	2
660889.291508	4050238.510680	45,300		-109.201604	36.584068	11/3/2012	141012	1863.18	NMEA 0183	12	2	2
660846.571330	4050178.821520	45,300		-109.202094	36.583538	11/3/2012	142044	1864.88	NMEA 0183	12	2	2
660916.094286	4050243.625376	45,500		-109.201303	36.584110	11/3/2012	135629	1863.43	NMEA 0183	12	2	2
660891.623330	4050218.516992	45,600		-109.201581	36.583915	11/3/2012	141221	1863.72	NMEA 0183	12	2	2
660891.558722	4050220.664934	45,800		-109.201582	36.583907	11/3/2012	141222	1863.69	NMEA 0183	12	2	2
660875.357441	4050222.327966	45,800		-109.201763	36.583925	11/3/2012	141359	1863.51	NMEA 0183	12	2	2
660842.550058	4050179.517603	45,800		-109.202138	36.583545	11/3/2012	142134	1865.34	NMEA 0183	12	2	2
660894.320531	4050262.558040	45,900		-109.201543	36.584284	11/3/2012	140023	1863.04	NMEA 0183	12	2	2
660921.286763	4050246.264013	46,100		-109.201245	36.584133	11/3/2012	135133	1863.49	NMEA 0183	12	2	2
660935.206901	4050256.649676	46,200		-109.201087	36.584224	11/3/2012	134637	1863.16	NMEA 0183	12	2	2
660921.414263	4050242.241513	46,200		-109.201244	36.584096	11/3/2012	135619	1863.56	NMEA 0183	12	2	2
660889.912525	4050237.449492	46,200		-109.201597	36.584059	11/3/2012	141013	1863.26	NMEA 0183	12	2	2
660896.242930	4050264.811773	46,300		-109.201521	36.584304	11/3/2012	135926	1863.05	NMEA 0183	12	2	2
660842.264099	4050184.676534	46,300		-109.202140	36.583591	11/3/2012	142128	1865.33	NMEA 0183	12	2	2
660914.875096	4050290.752545	47,000		-109.201307	36.584535	11/3/2012	134448	1862.02	NMEA 0183	12	2	2
660923.987011	4050254.299588	47,000		-109.201213	36.584205	11/3/2012	135341	1863.55	NMEA 0183	12	2	2
660893.638196	4050263.468257	47,400		-109.201550	36.584292	11/3/2012	140024	1863.03	NMEA 0183	12	2	2
660831.898392	4050168.475572	47,400		-109.202260	36.583447	11/3/2012	142059	1865.41	NMEA 0183	12	2	2
660897.876616	4050233.471915	48,000		-109.201509	36.584021	11/3/2012	140811	1863.10	NMEA 0183	12	2	2
660843.425636	4050180.318243	48,000		-109.202128	36.583552	11/3/2012	142133	1865.35	NMEA 0183	12	2	2
660891.088683	4050222.267202	48,100		-109.201587	36.583922	11/3/2012	141220	1863.73	NMEA 0183	12	2	2
661120.508862	4050450.993787	48,200		-109.198976	36.585944	11/8/2012	105237	1856.75	NMEA 0183	12	2	2
660890.929621	4050220.005777	48,300		-109.201589	36.583901	11/3/2012	141223	1863.71	NMEA 0183	12	2	2
660842.205267	4050182.877554	48,300		-109.202142	36.583575	11/3/2012	142209	1865.50	NMEA 0183	12	2	2
660912.316610	4050244.059632	48,400		-109.201345	36.584114	11/3/2012	135948	1862.84	NMEA 0183	12	2	2



**Transfer Station 2 - Excavation Zone Vegetation Reduction Area**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)	DEC_DEG_X	DEC_DEG_Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID	GPS_QUAL
661124.148632	4050446.134469	48,400		-109.198936	36.585899	11/8/2012	105232	1856.78	NMEA 0183	12	2	2
660887.990834	4050210.127177	48,500		-109.201624	36.583813	11/3/2012	142255	1864.12	NMEA 0183	12	2	2
660920.715412	4050240.288127	48,700		-109.201252	36.584079	11/3/2012	135623	1863.63	NMEA 0183	12	2	2
660843.458664	4050182.778923	48,800		-109.202128	36.583574	11/3/2012	142130	1865.39	NMEA 0183	12	2	2
660842.885913	4050183.652351	49,000		-109.202134	36.583582	11/3/2012	142129	1865.33	NMEA 0183	12	2	2
660911.519790	4050244.790137	49,300		-109.201354	36.584121	11/3/2012	135947	1862.85	NMEA 0183	12	2	2
660912.057884	4050247.920604	49,400		-109.201347	36.584149	11/3/2012	135634	1863.10	NMEA 0183	12	2	2
660922.310002	4050241.007901	49,700		-109.201234	36.584085	11/3/2012	135621	1863.60	NMEA 0183	12	2	2
660856.620178	4050199.757281	49,700		-109.201977	36.583725	11/3/2012	141758	1865.09	NMEA 0183	12	2	2
660911.378868	4050248.653313	49,800		-109.201355	36.584156	11/3/2012	135635	1863.09	NMEA 0183	12	2	2
660881.965744	4050234.842570	49,900		-109.201686	36.584036	11/3/2012	141207	1863.35	NMEA 0183	12	2	2
660915.304579	4050244.454046	50,200		-109.201312	36.584117	11/3/2012	135630	1863.20	NMEA 0183	12	2	2
660844.040643	4050181.252735	50,300		-109.202121	36.583560	11/3/2012	142132	1865.30	NMEA 0183	12	2	2
660900.152143	4050222.595888	50,900		-109.201486	36.583923	11/3/2012	141029	1863.40	NMEA 0183	12	2	2
660912.555984	4050293.835084	51,000		-109.201332	36.584563	11/3/2012	134452	1862.27	NMEA 0183	12	2	2
660922.062200	4050241.336203	51,700		-109.201237	36.584088	11/3/2012	135620	1863.63	NMEA 0183	12	2	2
661121.817894	4050449.039168	52,500		-109.198962	36.585926	11/8/2012	105235	1856.84	NMEA 0183	12	2	2
660914.110438	4050291.757402	52,900		-109.201315	36.584544	11/6/2012	104251	1862.10	NMEA 0183	12	2	2
660894.690908	4050224.752134	53,000		-109.201546	36.583943	11/3/2012	141044	1863.45	NMEA 0183	12	2	2
660919.154006	4050240.425372	53,800		-109.201270	36.584080	11/3/2012	135625	1863.58	NMEA 0183	12	2	2
661123.320742	4050447.090032	54,000		-109.198945	36.585908	11/8/2012	105233	1856.77	NMEA 0183	12	2	2
660897.091802	4050234.358017	54,600		-109.201517	36.584030	11/3/2012	140812	1863.10	NMEA 0183	12	2	2
660912.402716	4050291.423943	55,300		-109.201335	36.584541	11/6/2012	104325	1862.08	NMEA 0183	12	2	2
660896.297176	4050235.290178	56,600		-109.201526	36.584038	11/3/2012	140813	1863.18	NMEA 0183	12	2	2
660913.566515	4050246.219397	60,200		-109.201331	36.584134	11/3/2012	135632	1863.05	NMEA 0183	12	2	2
660912.826779	4050247.008309	61,100		-109.201339	36.584141	11/3/2012	135633	1863.15	NMEA 0183	12	2	2
660877.550101	4050227.677552	61,800		-109.201737	36.583973	11/3/2012	141334	1863.46	NMEA 0183	12	2	2
661122.604863	4050448.038446	61,900		-109.198953	36.585917	11/8/2012	105234	1856.76	NMEA 0183	12	2	2
660895.406052	4050223.842531	67,000		-109.201539	36.583935	11/3/2012	141043	1863.51	NMEA 0183	12	2	2
660896.823988	4050221.886219	69,000		-109.201523	36.583917	11/3/2012	141041	1863.63	NMEA 0183	12	2	2
660913.022940	4050293.194589	77,000		-109.201327	36.584557	11/3/2012	134451	1862.24	NMEA 0183	12	2	2
660897.515373	4050220.891087	79,000		-109.201516	36.583908	11/3/2012	141040	1863.57	NMEA 0183	12	2	2
660901.819696	4050218.859315	84,000		-109.201468	36.583889	11/3/2012	141034	1863.58	NMEA 0183	12	2	2
660901.184772	4050218.272185	89,000		-109.201475	36.583884	11/3/2012	141035	1863.51	NMEA 0183	12	2	2
660902.211659	4050219.436349	92,000		-109.201463	36.583894	11/3/2012	141033	1863.53	NMEA 0183	12	2	2
660901.813603	4050219.981952	106,000		-109.201468	36.583899	11/3/2012	141032	1863.47	NMEA 0183	12	2	2
660900.538869	4050218.032587	124,000		-109.201482	36.583882	11/3/2012	141036	1863.51	NMEA 0183	12	2	2
660901.271049	4050220.756059	127,000		-109.201474	36.583906	11/3/2012	141031	1863.50	NMEA 0183	12	2	2
660914.201322	4050291.524195	128,000		-109.201314	36.584542	11/3/2012	134449	1862.32	NMEA 0183	12	2	2
660913.586049	4050292.278443	136,000		-109.201321	36.584549	11/3/2012	134450	1862.21	NMEA 0183	12	2	2
660898.211544	4050219.879397	152,000		-109.201508	36.583899	11/3/2012	141039	1863.61	NMEA 0183	12	2	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

X	Y	RESULT (CPM)	RESULT (pCi/g)		DEC DEG X	DEC DEG Y	DATE	TIME	GPS_ELEV	GPS_DEVICE	ZONE	DEVICE_ID
662303.745	4051531.124	24,000	-3.573732959		-109.1855277	36.59547585	10/20/2012	110616	1826.26	NMEA 0183	12	2
662299.5476	4051540.537	24,200	-3.469663857		-109.1855726	36.59556138	10/20/2012	110803	1827.02	NMEA 0183	12	2
662303.2987	4051531.535	24,400	-3.365594755		-109.1855326	36.59547963	10/20/2012	110615	1826.26	NMEA 0183	12	2
662302.5344	4051535.363	24,500	-3.313560204		-109.1855403	36.59551425	10/20/2012	110754	1826.65	NMEA 0183	12	2
662304.8388	4051529.909	24,700	-3.209491102		-109.1855157	36.59546472	10/20/2012	110745	1826.48	NMEA 0183	12	2
662235.8875	4051500.236	24,800	-3.157456551		-109.1862925	36.59520908	10/20/2012	113238	1825.64	NMEA 0183	12	2
662292.9813	4051537.652	25,000	-3.053387449		-109.1856466	36.5955365	10/20/2012	111030	1826.89	NMEA 0183	12	2
662285.5843	4051543.771	25,000	-3.053387449		-109.1857279	36.5955929	10/20/2012	111238	1827.07	NMEA 0183	12	2
662296.0922	4051517.138	25,000	-3.053387449		-109.1856161	36.59535113	10/20/2012	111451	1825.41	NMEA 0183	12	2
662271.2286	4051545.746	25,000	-3.053387449		-109.1858879	36.59561313	10/20/2012	112100	1827.49	NMEA 0183	12	2
662299.7072	4051562.886	25,100	-3.001352898		-109.1855661	36.59576273	10/20/2012	110250	1826.99	NMEA 0183	12	2
662309.8918	4051521.947	25,100	-3.001352898		-109.1854609	36.59539212	10/20/2012	110730	1826.24	NMEA 0183	12	2
662302.7406	4051533.922	25,100	-3.001352898		-109.1855383	36.59550123	10/20/2012	110752	1826.41	NMEA 0183	12	2
662303.2704	4051520.475	25,100	-3.001352898		-109.1855352	36.59537998	10/20/2012	111055	1826.46	NMEA 0183	12	2
662235.8898	4051499.243	25,100	-3.001352898		-109.1862926	36.59520013	10/20/2012	113239	1825.61	NMEA 0183	12	2
662309.0969	4051505.437	25,200	-2.949318347		-109.1854733	36.59524348	10/20/2012	102706	1826.06	NMEA 0183	12	2
662309.0154	4051523.889	25,200	-2.949318347		-109.1854703	36.59540977	10/20/2012	110733	1826.15	NMEA 0183	12	2
662290.2548	4051549.662	25,200	-2.949318347		-109.1856745	36.59564518	10/20/2012	110824	1826.89	NMEA 0183	12	2
662303.6945	4051519.895	25,200	-2.949318347		-109.1855306	36.59537468	10/20/2012	111059	1826.51	NMEA 0183	12	2
662285.2957	4051537.806	25,200	-2.949318347		-109.1857324	36.5955392	10/20/2012	111422	1826.45	NMEA 0183	12	2
662292.2202	4051564.132	25,300	-2.897283796		-109.1856495	36.59577523	10/20/2012	110446	1826.81	NMEA 0183	12	2
662288.33	4051569.049	25,300	-2.897283796		-109.1856919	36.5958202	10/20/2012	110518	1827.51	NMEA 0183	12	2
662301.785	4051538.158	25,300	-2.897283796		-109.1855481	36.59553957	10/20/2012	110758	1826.75	NMEA 0183	12	2
662305.0686	4051508.422	25,300	-2.897283796		-109.1855177	36.59527107	10/20/2012	111143	1825.95	NMEA 0183	12	2
662304.6532	4051509.098	25,300	-2.897283796		-109.1855222	36.59527723	10/20/2012	111144	1825.88	NMEA 0183	12	2
662284.5379	4051520.355	25,300	-2.897283796		-109.1857446	36.59538208	10/20/2012	111922	1825.4	NMEA 0183	12	2
662252.7168	4051477.609	25,300	-2.897283796		-109.1861092	36.59500233	10/20/2012	114218	1824.57	NMEA 0183	12	2
662300.6172	4051559.957	25,400	-2.845249245		-109.1855565	36.59573618	10/20/2012	110245	1826.69	NMEA 0183	12	2
662309.9571	4051521.41	25,400	-2.845249245		-109.1854603	36.59538727	10/20/2012	110729	1826.22	NMEA 0183	12	2
662285.0175	4051538.556	25,400	-2.845249245		-109.1857354	36.595546	10/20/2012	111421	1826.48	NMEA 0183	12	2
662287.9195	4051514.335	25,400	-2.845249245		-109.1857081	36.59532727	10/20/2012	111913	1825.21	NMEA 0183	12	2
662283.2492	4051522.493	25,400	-2.845249245		-109.1857585	36.59540157	10/20/2012	111925	1825.32	NMEA 0183	12	2
662276.8173	4051482	25,500	-2.793214695		-109.1858389	36.5950378	10/20/2012	102628	1825.17	NMEA 0183	12	2
662303.3298	4051501.693	25,500	-2.793214695		-109.1855385	36.59521073	10/20/2012	102659	1825.74	NMEA 0183	12	2
662308.2305	4051504.875	25,500	-2.793214695		-109.1854831	36.59523857	10/20/2012	102705	1826.01	NMEA 0183	12	2
662300.2919	4051537.059	25,500	-2.793214695		-109.185565	36.59552992	10/20/2012	110606	1826.43	NMEA 0183	12	2
662300.1133	4051536.332	25,500	-2.793214695		-109.1855672	36.5955234	10/20/2012	110607	1826.41	NMEA 0183	12	2
662302.3802	4051532.705	25,500	-2.793214695		-109.1855426	36.59549033	10/20/2012	110613	1826.33	NMEA 0183	12	2
662305.507	4051528.013	25,500	-2.793214695		-109.1855086	36.59544752	10/20/2012	110621	1825.97	NMEA 0183	12	2
662304.0938	4051532.242	25,500	-2.793214695		-109.1855235	36.59548587	10/20/2012	110749	1826.54	NMEA 0183	12	2
662281.367	4051565.847	25,500	-2.793214695		-109.1857704	36.59579253	10/20/2012	110944	1827.19	NMEA 0183	12	2
662288.2395	4051533.088	25,500	-2.793214695		-109.1857005	36.59549618	10/20/2012	111429	1826.11	NMEA 0183	12	2
662292.618	4051525.222	25,500	-2.793214695		-109.1856533	36.59542457	10/20/2012	111440	1825.65	NMEA 0183	12	2
662304.8177	4051502.676	25,600	-2.741180144		-109.1855217	36.59521933	10/20/2012	102701	1825.82	NMEA 0183	12	2
662295.4999	4051549.054	25,600	-2.741180144		-109.185616	36.59563882	10/20/2012	110547	1826.51	NMEA 0183	12	2
662286.1016	4051548.285	25,600	-2.741180144		-109.1857212	36.59563348	10/20/2012	111013	1826.81	NMEA 0183	12	2
662271.252	4051545.767	25,600	-2.741180144		-109.1858877	36.59561332	10/20/2012	112059	1827.49	NMEA 0183	12	2
662235.9427	4051501.344	25,600	-2.741180144		-109.1862916	36.59521905	10/20/2012	113237	1825.76	NMEA 0183	12	2
662235.5788	4051500.943	25,600	-2.741180144		-109.1862958	36.5952155	10/20/2012	113349	1825.54	NMEA 0183	12	2
662326.5396	4051520.861	25,600	-2.741180144		-109.1852751	36.5953795	10/20/2012	114953	1825.77	NMEA 0183	12	2
662289.8759	4051550.215	25,700	-2.689145593		-109.1856786	36.59565023	10/20/2012	110825	1826.74	NMEA 0183	12	2
662303.771	4051519.556	25,700	-2.689145593		-109.1855298	36.59537162	10/20/2012	111101	1826.51	NMEA 0183	12	2
662291.3186	4051528.235	25,700	-2.689145593		-109.1856671	36.59545193	10/20/2012	111436	1825.79	NMEA 0183	12	2
662292.0766	4051526.801	25,700	-2.689145593		-109.185659	36.59543888	10/20/2012	111438	1825.73	NMEA 0183	12	2
662282.2926	4051523.623	25,700	-2.689145593		-109.185769	36.59541192	10/20/2012	111927	1825.43	NMEA 0183	12	2
662235.8299	4051498.228	25,700	-2.689145593		-109.1862935	36.595191	10/20/2012	113240	1825.53	NMEA 0183	12	2
662248.6389	4051498.946	25,700	-2.689145593		-109.1861502	36.59519528	10/20/2012	113734	1825.26	NMEA 0183	12	2
662262.158	4051477.297	25,800	-2.637111042		-109.1860037	36.59499792	10/20/2012	102428	1824.74	NMEA 0183	12	2
662264.2957	4051473.251	25,800	-2.637111042		-109.1859807	36.5949611	10/20/2012	102544	1825.06	NMEA 0183	12	2
662336.9065	4051540.314	25,800	-2.637111042		-109.1851552	36.59555302	10/20/2012	102919	1828.62	NMEA 0183	12	2
662305.08	4051543.91	25,800	-2.637111042		-109.1855101	36.59559083	10/20/2012	104038	1826.63	NMEA 0183	12	2
662310.6478	4051550.545	25,800	-2.637111042		-109.1854464	36.59564967	10/20/2012	104047	1827.16	NMEA 0183	12	2
662292.0086	4051564.912	25,800	-2.637111042		-109.1856517	36.5957823	10/20/2012	110447	1826.86	NMEA 0183	12	2
662296.4564	4051546.583	25,800	-2.637111042		-109.1856059	36.59561638	10/20/2012	110550	1826.66	NMEA 0183	12	2
662277.6196	4051562.416	25,800	-2.637111042		-109.185813	36.59576225	10/20/2012	111304	1827	NMEA 0183	12	2
662275.3369	4051562.611	25,800	-2.637111042		-109.1858385	36.5957644	10/20/2012	111343	1827.03	NMEA 0183	12	2
662278.2405	4051538.931	25,800	-2.637111042		-109.185811	36.59555053	10/20/2012	111746	1826.18	NMEA 0183	12	2
662285.6147	4051520.756	25,800	-2.637111042		-109.1857325	36.59538552	10/20/2012	111819	1825.31	NMEA 0183	12	2
662271.2433	4051544.806	25,800	-2.637111042		-109.185888	36.59560467	10/20/2012	112031	1827.16	NMEA 0183	12	2
662313.0633	4051551.293	25,900	-2.585076491		-109.1854193	36.595656	10/20/2012	104019	1826.71	NMEA 0183	12	2
662295.1147	4051572.927	25,900	-2.585076491		-109.1856153	36.59585398	10/20/2012	110331	1827.75	NMEA 0183	12	2
662300.9552	4051548.536	25,900	-2.585076491		-109.1855552	36.59563322	10/20/2012	110415	1826.44	NMEA 0183	12	2
662302.2855	4051537.012	25,900	-2.585076491		-109.1855427	36.59552915	10/20/2012	110756	1826.69	NMEA 0183	12	2
662289.4455	4051550.893	25,900	-2.585076491		-109.1856833	36.59565642	10/20/2012	110826	1826.62	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662292.8041	4051534.557	25,900	-2.585076491	-109.1856492	36.59550865	10/20/2012	111222	1826.84	NMEA 0183	12	2
662277.0301	4051564.802	25,900	-2.585076491	-109.1858191	36.59578385	10/20/2012	111307	1827.07	NMEA 0183	12	2
662289.8053	4051531.286	25,900	-2.585076491	-109.1856834	36.59547968	10/20/2012	111432	1826.03	NMEA 0183	12	2
662271.2667	4051544.833	25,900	-2.585076491	-109.1858877	36.5956049	10/20/2012	112023	1827.2	NMEA 0183	12	2
662245.081	4051547.013	25,900	-2.585076491	-109.1861799	36.595629	10/20/2012	113141	1826.67	NMEA 0183	12	2
662305.1254	4051505.572	25,900	-2.585076491	-109.1855176	36.59524538	10/20/2012	115024	1825.73	NMEA 0183	12	2
662262.1793	4051477.116	26,000	-2.53304194	-109.1860035	36.59499628	10/20/2012	102457	1824.67	NMEA 0183	12	2
662261.4218	4051476.632	26,000	-2.53304194	-109.1860121	36.59499205	10/20/2012	102512	1825.09	NMEA 0183	12	2
662261.4337	4051476.554	26,000	-2.53304194	-109.186012	36.59499135	10/20/2012	102520	1825.1	NMEA 0183	12	2
662305.6537	4051503.191	26,000	-2.53304194	-109.1855122	36.59522383	10/20/2012	102702	1825.96	NMEA 0183	12	2
662307.3637	4051504.257	26,000	-2.53304194	-109.1854929	36.59523315	10/20/2012	102704	1825.97	NMEA 0183	12	2
662315.1134	4051552.908	26,000	-2.53304194	-109.185396	36.5956702	10/20/2012	105851	1826.49	NMEA 0183	12	2
662291.1303	4051567.117	26,000	-2.53304194	-109.185661	36.59580232	10/20/2012	110451	1827.24	NMEA 0183	12	2
662303.1574	4051533.016	26,000	-2.53304194	-109.1855338	36.595493	10/20/2012	110751	1826.54	NMEA 0183	12	2
662281.7243	4051564.383	26,000	-2.53304194	-109.1857667	36.59577928	10/20/2012	110946	1827.13	NMEA 0183	12	2
662302.7557	4051521.276	26,000	-2.53304194	-109.1855408	36.59538728	10/20/2012	111054	1826.39	NMEA 0183	12	2
662303.6157	4051519.962	26,000	-2.53304194	-109.1855315	36.5953753	10/20/2012	111057	1826.54	NMEA 0183	12	2
662299.0296	4051505.496	26,000	-2.53304194	-109.1855858	36.59524573	10/20/2012	111523	1825.07	NMEA 0183	12	2
662278.0199	4051539.713	26,000	-2.53304194	-109.1858133	36.59555762	10/20/2012	111745	1826.25	NMEA 0183	12	2
662289.8765	4051515.195	26,000	-2.53304194	-109.185686	36.59533468	10/20/2012	111828	1824.82	NMEA 0183	12	2
662271.2001	4051545.436	26,000	-2.53304194	-109.1858883	36.59561035	10/20/2012	112045	1827.28	NMEA 0183	12	2
662269.0391	4051479.232	26,000	-2.53304194	-109.1859264	36.59501418	10/20/2012	114627	1824.28	NMEA 0183	12	2
662306.8959	4051534.396	26,000	-2.53304194	-109.1854918	36.5955048	10/20/2012	114846	1826.39	NMEA 0183	12	2
662262.0588	4051477.18	26,100	-2.481007389	-109.1860049	36.59499688	10/20/2012	102446	1824.6	NMEA 0183	12	2
662262.0771	4051477.158	26,100	-2.481007389	-109.1860047	36.59499668	10/20/2012	102455	1824.61	NMEA 0183	12	2
662321.1712	4051528.39	26,100	-2.481007389	-109.1853335	36.59544825	10/20/2012	103120	1826.28	NMEA 0183	12	2
662315.8893	4051534.416	26,100	-2.481007389	-109.1853913	36.59550345	10/20/2012	103326	1827.66	NMEA 0183	12	2
662302.558	4051536.166	26,100	-2.481007389	-109.1855399	36.59552148	10/20/2012	110755	1826.69	NMEA 0183	12	2
662281.6539	4051565.113	26,100	-2.481007389	-109.1857674	36.59578587	10/20/2012	110945	1827.15	NMEA 0183	12	2
662303.2943	4051512.892	26,100	-2.481007389	-109.1855366	36.59531165	10/20/2012	111125	1825.68	NMEA 0183	12	2
662271.1178	4051544.978	26,100	-2.481007389	-109.1858893	36.59560623	10/20/2012	112038	1827.19	NMEA 0183	12	2
662271.2124	4051545.573	26,100	-2.481007389	-109.1858882	36.59561158	10/20/2012	112052	1827.33	NMEA 0183	12	2
662248.1914	4051497.924	26,100	-2.481007389	-109.1861555	36.59518615	10/20/2012	113735	1825.22	NMEA 0183	12	2
662269.8273	4051479.987	26,100	-2.481007389	-109.1859175	36.59502085	10/20/2012	114628	1824.26	NMEA 0183	12	2
662315.101	4051552.933	26,200	-2.428972838	-109.1853962	36.59567043	10/20/2012	105850	1826.48	NMEA 0183	12	2
662299.9172	4051552.086	26,200	-2.428972838	-109.185566	36.59566538	10/20/2012	110409	1826.53	NMEA 0183	12	2
662291.7254	4051565.695	26,200	-2.428972838	-109.1856547	36.5957894	10/20/2012	110448	1827.09	NMEA 0183	12	2
662288.7094	4051568.313	26,200	-2.428972838	-109.1856878	36.5958135	10/20/2012	110519	1827.48	NMEA 0183	12	2
662298.555	4051541.366	26,200	-2.428972838	-109.1855835	36.59556902	10/20/2012	110559	1826.79	NMEA 0183	12	2
662301.6273	4051533.873	26,200	-2.428972838	-109.1855508	36.59550098	10/20/2012	110611	1826.3	NMEA 0183	12	2
662308.8024	4051524.031	26,200	-2.428972838	-109.1854727	36.59541108	10/20/2012	110628	1825.98	NMEA 0183	12	2
662308.7175	4051518.734	26,200	-2.428972838	-109.1854747	36.59536337	10/20/2012	110718	1826.21	NMEA 0183	12	2
662300.4958	4051539.688	26,200	-2.428972838	-109.1855622	36.59555357	10/20/2012	110801	1826.88	NMEA 0183	12	2
662304.0865	4051519.2	26,200	-2.428972838	-109.1855264	36.59536835	10/20/2012	111102	1826.37	NMEA 0183	12	2
662281.6628	4051545.053	26,200	-2.428972838	-109.1857715	36.59560512	10/20/2012	111411	1826.74	NMEA 0183	12	2
662293.9532	4051522.201	26,200	-2.428972838	-109.185639	36.59539712	10/20/2012	111444	1825.5	NMEA 0183	12	2
662284.8339	4051519.611	26,200	-2.428972838	-109.1857414	36.59537533	10/20/2012	111921	1825.34	NMEA 0183	12	2
662275.9089	4051529.633	26,200	-2.428972838	-109.185839	36.59546715	10/20/2012	111948	1827.78	NMEA 0183	12	2
662271.2888	4051544.846	26,200	-2.428972838	-109.1858875	36.59560502	10/20/2012	112018	1827.3	NMEA 0183	12	2
662268.6055	4051538.847	26,200	-2.428972838	-109.1859187	36.59555142	10/20/2012	112545	1826.42	NMEA 0183	12	2
662311.3124	4051524.199	26,200	-2.428972838	-109.1854446	36.59541217	10/20/2012	114831	1826.16	NMEA 0183	12	2
662307.0054	4051533.496	26,200	-2.428972838	-109.1854907	36.59549667	10/20/2012	114845	1826.35	NMEA 0183	12	2
662262.1892	4051477.301	26,300	-2.376938287	-109.1860034	36.59499795	10/20/2012	102429	1824.73	NMEA 0183	12	2
662262.1132	4051477.222	26,300	-2.376938287	-109.1860043	36.59499725	10/20/2012	102442	1824.62	NMEA 0183	12	2
662261.428	4051476.541	26,300	-2.376938287	-109.1860121	36.59499123	10/20/2012	102522	1825.12	NMEA 0183	12	2
662262.026	4051476.31	26,300	-2.376938287	-109.1860054	36.59498905	10/20/2012	102540	1825.26	NMEA 0183	12	2
662299.6779	4051560.964	26,300	-2.376938287	-109.1855668	36.59574542	10/20/2012	110247	1826.98	NMEA 0183	12	2
662291.6284	4051566.093	26,300	-2.376938287	-109.1856557	36.595793	10/20/2012	110449	1827.16	NMEA 0183	12	2
662309.4878	4051523.279	26,300	-2.376938287	-109.1854652	36.59540418	10/20/2012	110630	1826.04	NMEA 0183	12	2
662309.9117	4051520.734	26,300	-2.376938287	-109.185461	36.59538118	10/20/2012	110728	1826.24	NMEA 0183	12	2
662302.5907	4051534.831	26,300	-2.376938287	-109.1855398	36.59550945	10/20/2012	110753	1826.54	NMEA 0183	12	2
662284.4233	4051563.704	26,300	-2.376938287	-109.1857367	36.5957727	10/20/2012	110844	1827.07	NMEA 0183	12	2
662273.3964	4051566.246	26,300	-2.376938287	-109.1858594	36.59579748	10/20/2012	111332	1827.25	NMEA 0183	12	2
662286.9148	4051535.077	26,300	-2.376938287	-109.1857149	36.59551433	10/20/2012	111426	1826.33	NMEA 0183	12	2
662289.413	4051532	26,300	-2.376938287	-109.1856876	36.59548618	10/20/2012	111431	1826.08	NMEA 0183	12	2
662285.0793	4051536.311	26,300	-2.376938287	-109.1857352	36.59552577	10/20/2012	111607	1826.34	NMEA 0183	12	2
662287.2013	4051519.034	26,300	-2.376938287	-109.1857151	36.59536973	10/20/2012	111822	1825.03	NMEA 0183	12	2
662271.2609	4051544.823	26,300	-2.376938287	-109.1858878	36.59560482	10/20/2012	112024	1827.17	NMEA 0183	12	2
662245.9091	4051513.344	26,300	-2.376938287	-109.1861777	36.59532548	10/20/2012	113220	1825.93	NMEA 0183	12	2
662234.5703	4051500.485	26,300	-2.376938287	-109.1863071	36.59521155	10/20/2012	113348	1825.54	NMEA 0183	12	2
662239.5458	4051472.841	26,300	-2.376938287	-109.1862574	36.59496162	10/20/2012	114007	1824.63	NMEA 0183	12	2
662302.0054	4051563.927	26,400	-2.324903736	-109.1855402	36.59577172	10/20/2012	110258	1827.19	NMEA 0183	12	2
662296.694	4051546.086	26,400	-2.324903736	-109.1856033	36.59561187	10/20/2012	110551	1826.96	NMEA 0183	12	2
662301.4003	4051534.365	26,400	-2.324903736	-109.1855532	36.59550545	10/20/2012	110610	1826.3	NMEA 0183	12	2
662299.0836	4051540.941	26,400	-2.324903736	-109.1855777	36.5955651	10/20/2012	110804	1827.02	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662294.5788	4051544.835	26,400	-2.324903736	-109.1856272	36.59560095	10/20/2012	110814	1827.5	NMEA 0183	12	2
662284.031	4051553.678	26,400	-2.324903736	-109.1857432	36.59568243	10/20/2012	111006	1826.93	NMEA 0183	12	2
662271.5556	4051571	26,400	-2.324903736	-109.185879	36.59584063	10/20/2012	111323	1828.08	NMEA 0183	12	2
662277.7421	4051541.866	26,400	-2.324903736	-109.185816	36.59557707	10/20/2012	111742	1826.35	NMEA 0183	12	2
662293.2865	4051507.75	26,400	-2.324903736	-109.1856495	36.59526702	10/20/2012	111839	1824.98	NMEA 0183	12	2
662289.5263	4051510.836	26,400	-2.324903736	-109.1856908	36.59529547	10/20/2012	111908	1824.92	NMEA 0183	12	2
662235.0174	4051496.87	26,400	-2.324903736	-109.1863029	36.5951789	10/20/2012	113532	1825.45	NMEA 0183	12	2
662249.9858	4051467.656	26,400	-2.324903736	-109.1861418	36.59491312	10/20/2012	114408	1824.36	NMEA 0183	12	2
662307.7894	4051529.97	26,400	-2.324903736	-109.1854827	36.59546477	10/20/2012	114841	1826.21	NMEA 0183	12	2
662262.0822	4051477.203	26,500	-2.272869185	-109.1860046	36.59499708	10/20/2012	102443	1824.6	NMEA 0183	12	2
662335.0698	4051540.982	26,500	-2.272869185	-109.1851756	36.59555935	10/20/2012	103101	1828.54	NMEA 0183	12	2
662323.5901	4051530.696	26,500	-2.272869185	-109.185306	36.59546862	10/20/2012	103117	1826.3	NMEA 0183	12	2
662304.1479	4051540.354	26,500	-2.272869185	-109.1855212	36.59555895	10/20/2012	104033	1826.42	NMEA 0183	12	2
662305.2721	4051551.349	26,500	-2.272869185	-109.1855063	36.59565783	10/20/2012	110229	1827.19	NMEA 0183	12	2
662296.7676	4051560.354	26,500	-2.272869185	-109.1855995	36.59574042	10/20/2012	110354	1826.7	NMEA 0183	12	2
662293.5614	4051559.062	26,500	-2.272869185	-109.1856356	36.59572932	10/20/2012	110440	1826.7	NMEA 0183	12	2
662292.3727	4051563.325	26,500	-2.272869185	-109.185648	36.59576793	10/20/2012	110445	1826.76	NMEA 0183	12	2
662291.0822	4051570.533	26,500	-2.272869185	-109.1856609	36.5958331	10/20/2012	110457	1827.59	NMEA 0183	12	2
662289.9079	4051566.687	26,500	-2.272869185	-109.1856748	36.59579865	10/20/2012	110522	1827.34	NMEA 0183	12	2
662290.7012	4051565.668	26,500	-2.272869185	-109.1856661	36.59578933	10/20/2012	110524	1827.1	NMEA 0183	12	2
662291.2456	4051563.618	26,500	-2.272869185	-109.1856605	36.59577077	10/20/2012	110527	1826.82	NMEA 0183	12	2
662296.2023	4051542.583	26,500	-2.272869185	-109.1856095	36.59558038	10/20/2012	110809	1827.37	NMEA 0183	12	2
662288.7419	4051553.24	26,500	-2.272869185	-109.1856907	36.59567768	10/20/2012	110829	1826.71	NMEA 0183	12	2
662304.592	4051510.838	26,500	-2.272869185	-109.1855225	36.59529292	10/20/2012	111129	1825.87	NMEA 0183	12	2
662290.8975	4051528.974	26,500	-2.272869185	-109.1856717	36.59545867	10/20/2012	111435	1825.82	NMEA 0183	12	2
662295.0679	4051520.043	26,500	-2.272869185	-109.185627	36.59537748	10/20/2012	111447	1825.6	NMEA 0183	12	2
662287.6264	4051530.093	26,500	-2.272869185	-109.185708	36.5954693	10/20/2012	111558	1825.81	NMEA 0183	12	2
662273.1988	4051562.495	26,500	-2.272869185	-109.1858624	36.59576372	10/20/2012	111641	1826.99	NMEA 0183	12	2
662289.6124	4051510.068	26,500	-2.272869185	-109.18569	36.59528853	10/20/2012	111907	1824.9	NMEA 0183	12	2
662256.0693	4051565.555	26,500	-2.272869185	-109.1860532	36.5957942	10/20/2012	112223	1830.03	NMEA 0183	12	2
662281.4149	4051514.578	26,500	-2.272869185	-109.1857807	36.59533057	10/20/2012	112356	1825.22	NMEA 0183	12	2
662236.1955	4051502.249	26,500	-2.272869185	-109.1862886	36.59522717	10/20/2012	113236	1825.75	NMEA 0183	12	2
662246.6026	4051494.94	26,500	-2.272869185	-109.1861738	36.59515953	10/20/2012	113738	1824.96	NMEA 0183	12	2
662315.2845	4051522.132	26,500	-2.272869185	-109.1854006	36.59539287	10/20/2012	114916	1826.23	NMEA 0183	12	2
662262.1818	4051477.301	26,600	-2.220834634	-109.1860035	36.59499795	10/20/2012	102430	1824.73	NMEA 0183	12	2
662262.075	4051477.192	26,600	-2.220834634	-109.1860047	36.59499698	10/20/2012	102445	1824.59	NMEA 0183	12	2
662262.0926	4051477.125	26,600	-2.220834634	-109.1860045	36.59499638	10/20/2012	102452	1824.57	NMEA 0183	12	2
662262.0082	4051477.251	26,600	-2.220834634	-109.1860054	36.59499753	10/20/2012	102502	1824.61	NMEA 0183	12	2
662300.6252	4051499.986	26,600	-2.220834634	-109.1855691	36.59519582	10/20/2012	102656	1825.63	NMEA 0183	12	2
662341.4639	4051546.823	26,600	-2.220834634	-109.1851029	36.59561088	10/20/2012	102957	1827.79	NMEA 0183	12	2
662341.6729	4051547.283	26,600	-2.220834634	-109.1851004	36.595615	10/20/2012	103000	1827.06	NMEA 0183	12	2
662301.4964	4051547.991	26,600	-2.220834634	-109.1855492	36.59562822	10/20/2012	104300	1826.33	NMEA 0183	12	2
662307.6192	4051554.855	26,600	-2.220834634	-109.1854794	36.59568902	10/20/2012	104311	1827.51	NMEA 0183	12	2
662315.2251	4051552.921	26,600	-2.220834634	-109.1853948	36.5956703	10/20/2012	105742	1826.4	NMEA 0183	12	2
662299.4036	4051563.485	26,600	-2.220834634	-109.1855694	36.59576818	10/20/2012	110251	1827.02	NMEA 0183	12	2
662296.1506	4051565.538	26,600	-2.220834634	-109.1856053	36.59578723	10/20/2012	110344	1826.9	NMEA 0183	12	2
662296.6541	4051561.073	26,600	-2.220834634	-109.1856006	36.59574692	10/20/2012	110353	1826.75	NMEA 0183	12	2
662297.4998	4051556.252	26,600	-2.220834634	-109.1855922	36.59570333	10/20/2012	110401	1826.7	NMEA 0183	12	2
662298.4406	4051550.109	26,600	-2.220834634	-109.1855829	36.59564782	10/20/2012	110422	1826.51	NMEA 0183	12	2
662311.3147	4051519.026	26,600	-2.220834634	-109.1854456	36.59536555	10/20/2012	110637	1826.15	NMEA 0183	12	2
662309.5597	4051516.153	26,600	-2.220834634	-109.1854659	36.59533997	10/20/2012	110714	1826.03	NMEA 0183	12	2
662285.2018	4051551.464	26,600	-2.220834634	-109.1857306	36.59566228	10/20/2012	111009	1826.85	NMEA 0183	12	2
662286.8798	4051546.801	26,600	-2.220834634	-109.1857128	36.59561998	10/20/2012	111015	1826.99	NMEA 0183	12	2
662292.5339	4051538.285	26,600	-2.220834634	-109.1856514	36.59554228	10/20/2012	111029	1826.9	NMEA 0183	12	2
662303.6712	4051510.471	26,600	-2.220834634	-109.1855329	36.59528977	10/20/2012	111146	1825.78	NMEA 0183	12	2
662293.5186	4051522.946	26,600	-2.220834634	-109.1856437	36.5954039	10/20/2012	111443	1825.63	NMEA 0183	12	2
662297.1016	4051514.786	26,600	-2.220834634	-109.1856054	36.59532977	10/20/2012	111454	1825.35	NMEA 0183	12	2
662300.1173	4051508.317	26,600	-2.220834634	-109.185573	36.59527097	10/20/2012	111502	1825.18	NMEA 0183	12	2
662298.4995	4051506.872	26,600	-2.220834634	-109.1855914	36.59525822	10/20/2012	111525	1825.09	NMEA 0183	12	2
662289.9181	4051522.865	26,600	-2.220834634	-109.1856839	36.59540378	10/20/2012	111549	1825.49	NMEA 0183	12	2
662271.7321	4051567.423	26,600	-2.220834634	-109.1858777	36.59580837	10/20/2012	111647	1827.44	NMEA 0183	12	2
662286.2537	4051520.171	26,600	-2.220834634	-109.1857254	36.59538013	10/20/2012	111820	1825.19	NMEA 0183	12	2
662288.8089	4051512.256	26,600	-2.220834634	-109.1856986	36.59530838	10/20/2012	111910	1824.96	NMEA 0183	12	2
662273.3618	4051534.429	26,600	-2.220834634	-109.1858665	36.5955108	10/20/2012	111958	1827.64	NMEA 0183	12	2
662271.1565	4051545.454	26,600	-2.220834634	-109.1858888	36.59561052	10/20/2012	112044	1827.27	NMEA 0183	12	2
662288.0568	4051496.795	26,600	-2.220834634	-109.1857102	36.5951692	10/20/2012	112433	1824.83	NMEA 0183	12	2
662235.7919	4051497.085	26,600	-2.220834634	-109.1862942	36.5951807	10/20/2012	113241	1825.52	NMEA 0183	12	2
662233.5599	4051500.202	26,600	-2.220834634	-109.1863185	36.59520917	10/20/2012	113347	1825.66	NMEA 0183	12	2
662235.6052	4051497.653	26,600	-2.220834634	-109.1862962	36.59518585	10/20/2012	113531	1825.44	NMEA 0183	12	2
662239.4398	4051472.449	26,600	-2.220834634	-109.1862586	36.5949581	10/20/2012	114010	1824.63	NMEA 0183	12	2
662253.3504	4051486.237	26,600	-2.220834634	-109.1861003	36.59507997	10/20/2012	114030	1824.89	NMEA 0183	12	2
662261.9284	4051477.294	26,700	-2.168800083	-109.1860063	36.59499793	10/20/2012	102508	1824.98	NMEA 0183	12	2
662323.1531	4051518.535	26,700	-2.168800083	-109.1853135	36.59535912	10/20/2012	102726	1825.94	NMEA 0183	12	2
662333.1003	4051536.598	26,700	-2.168800083	-109.1851985	36.59552018	10/20/2012	102913	1827.81	NMEA 0183	12	2
662307.4023	4051551.332	26,700	-2.168800083	-109.1854825	36.59565732	10/20/2012	104249	1826.99	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662315.2298	4051552.908	26,700	-2.168800083	-109.1853947	36.59567018	10/20/2012	105744	1826.43	NMEA 0183	12	2
662298.9949	4051570.039	26,700	-2.168800083	-109.1855725	36.5958273	10/20/2012	110311	1827.48	NMEA 0183	12	2
662290.8432	4051565.022	26,700	-2.168800083	-109.1856647	36.59578348	10/20/2012	110525	1827.03	NMEA 0183	12	2
662296.6311	4051544.836	26,700	-2.168800083	-109.1856043	36.59560062	10/20/2012	110553	1827.2	NMEA 0183	12	2
662305.026	4051529.319	26,700	-2.168800083	-109.1855137	36.59545937	10/20/2012	110619	1826.06	NMEA 0183	12	2
662312.235	4051515.547	26,700	-2.168800083	-109.1854361	36.59533405	10/20/2012	110641	1825.67	NMEA 0183	12	2
662304.5052	4051530.911	26,700	-2.168800083	-109.1855192	36.5954738	10/20/2012	110747	1826.45	NMEA 0183	12	2
662303.6392	4051532.62	26,700	-2.168800083	-109.1855285	36.59548935	10/20/2012	110750	1826.56	NMEA 0183	12	2
662300.8194	4051539.059	26,700	-2.168800083	-109.1855587	36.59554785	10/20/2012	110800	1826.88	NMEA 0183	12	2
662295.6791	4051543.592	26,700	-2.168800083	-109.1856152	36.59558957	10/20/2012	110811	1827.61	NMEA 0183	12	2
662280.216	4051558.325	26,700	-2.168800083	-109.1857849	36.59572495	10/20/2012	110958	1827.11	NMEA 0183	12	2
662300.6529	4051525.844	26,700	-2.168800083	-109.1855633	36.5954288	10/20/2012	111048	1826.35	NMEA 0183	12	2
662282.1209	4051544.327	26,700	-2.168800083	-109.1857665	36.5955985	10/20/2012	111412	1826.76	NMEA 0183	12	2
662299.5133	4051504.525	26,700	-2.168800083	-109.1855806	36.5952369	10/20/2012	111521	1825.11	NMEA 0183	12	2
662276.4041	4051554.036	26,700	-2.168800083	-109.1858284	36.59568695	10/20/2012	111631	1826.95	NMEA 0183	12	2
662275.3463	4051547.577	26,700	-2.168800083	-109.1858415	36.59562893	10/20/2012	111734	1827	NMEA 0183	12	2
662287.7527	4051518.507	26,700	-2.168800083	-109.185709	36.59536488	10/20/2012	111823	1824.97	NMEA 0183	12	2
662289.9548	4051514.446	26,700	-2.168800083	-109.1856853	36.59532792	10/20/2012	111829	1824.81	NMEA 0183	12	2
662289.2251	4051511.543	26,700	-2.168800083	-109.1856941	36.59530188	10/20/2012	111909	1824.94	NMEA 0183	12	2
662281.0647	4051516.303	26,700	-2.168800083	-109.1857842	36.59534617	10/20/2012	112354	1825.29	NMEA 0183	12	2
662245.8938	4051552.311	26,700	-2.168800083	-109.1861697	36.5956766	10/20/2012	113103	1826.4	NMEA 0183	12	2
662243.3795	4051507.101	26,700	-2.168800083	-109.1862073	36.59526967	10/20/2012	113359	1825.52	NMEA 0183	12	2
662236.2294	4051498.719	26,700	-2.168800083	-109.186289	36.59519535	10/20/2012	113530	1825.51	NMEA 0183	12	2
662248.3445	4051503.481	26,700	-2.168800083	-109.1861526	36.5952362	10/20/2012	113620	1825.28	NMEA 0183	12	2
662281.2692	4051514.714	26,700	-2.168800083	-109.1857823	36.59533182	10/20/2012	114305	1825.37	NMEA 0183	12	2
662266.3173	4051476.06	26,700	-2.168800083	-109.1859575	36.59498607	10/20/2012	114623	1824.33	NMEA 0183	12	2
662262.082	4051477.136	26,800	-2.116765532	-109.1860046	36.59499648	10/20/2012	102453	1824.61	NMEA 0183	12	2
662262.0923	4051477.14	26,800	-2.116765532	-109.1860045	36.59499652	10/20/2012	102454	1824.63	NMEA 0183	12	2
662261.5588	4051476.801	26,800	-2.116765532	-109.1860105	36.59499355	10/20/2012	102510	1825.03	NMEA 0183	12	2
662261.4781	4051476.572	26,800	-2.116765532	-109.1860115	36.5949915	10/20/2012	102517	1825.12	NMEA 0183	12	2
662261.3887	4051476.492	26,800	-2.116765532	-109.1860125	36.5949908	10/20/2012	102526	1825.17	NMEA 0183	12	2
662261.4258	4051476.501	26,800	-2.116765532	-109.1860121	36.59499087	10/20/2012	102529	1825.22	NMEA 0183	12	2
662277.6991	4051482.453	26,800	-2.116765532	-109.185829	36.59504173	10/20/2012	102629	1825.17	NMEA 0183	12	2
662311.0234	4051542.265	26,800	-2.116765532	-109.185444	36.595575	10/20/2012	103752	1826.14	NMEA 0183	12	2
662307.5253	4051544.032	26,800	-2.116765532	-109.1854827	36.59559152	10/20/2012	104028	1826.55	NMEA 0183	12	2
662305.7938	4051544.658	26,800	-2.116765532	-109.1855019	36.59559745	10/20/2012	104039	1826.6	NMEA 0183	12	2
662330.2884	4051582.651	26,800	-2.116765532	-109.1852202	36.59593562	10/20/2012	104204	1830.63	NMEA 0183	12	2
662322.1918	4051581.192	26,800	-2.116765532	-109.185311	36.59592385	10/20/2012	104529	1829.4	NMEA 0183	12	2
662315.2435	4051552.892	26,800	-2.116765532	-109.1853946	36.59567003	10/20/2012	105755	1826.57	NMEA 0183	12	2
662301.4296	4051564.167	26,800	-2.116765532	-109.1855466	36.59577398	10/20/2012	110257	1827.21	NMEA 0183	12	2
662297.244	4051556.608	26,800	-2.116765532	-109.1855949	36.59570658	10/20/2012	110400	1826.71	NMEA 0183	12	2
662296.5981	4051545.476	26,800	-2.116765532	-109.1856045	36.59560638	10/20/2012	110552	1827.06	NMEA 0183	12	2
662302.7964	4051532.151	26,800	-2.116765532	-109.1855381	36.59548527	10/20/2012	110614	1826.31	NMEA 0183	12	2
662306.6834	4051525.035	26,800	-2.116765532	-109.1854961	36.59542048	10/20/2012	110737	1826.18	NMEA 0183	12	2
662286.9535	4051546.217	26,800	-2.116765532	-109.1857121	36.5956147	10/20/2012	111016	1826.82	NMEA 0183	12	2
662307.5959	4051512.731	26,800	-2.116765532	-109.1854885	36.59530947	10/20/2012	111113	1826.11	NMEA 0183	12	2
662283.0223	4051549.99	26,800	-2.116765532	-109.1857553	36.59564937	10/20/2012	111247	1827	NMEA 0183	12	2
662274.4738	4051564.639	26,800	-2.116765532	-109.1858477	36.59578282	10/20/2012	111335	1827.1	NMEA 0183	12	2
662274.939	4051563.223	26,800	-2.116765532	-109.1858428	36.59576998	10/20/2012	111338	1827.03	NMEA 0183	12	2
662293.8342	4051514.447	26,800	-2.116765532	-109.1856419	36.59532727	10/20/2012	111537	1825.17	NMEA 0183	12	2
662276.837	4051553.226	26,800	-2.116765532	-109.1858237	36.59567958	10/20/2012	111630	1826.97	NMEA 0183	12	2
662271.843	4051555.226	26,800	-2.116765532	-109.1858791	36.59569845	10/20/2012	111723	1827.51	NMEA 0183	12	2
662274.5465	4051548.938	26,800	-2.116765532	-109.1858502	36.59564133	10/20/2012	111732	1826.94	NMEA 0183	12	2
662288.129	4051513.668	26,800	-2.116765532	-109.1857059	36.59532122	10/20/2012	111912	1825.05	NMEA 0183	12	2
662282.8012	4051523.15	26,800	-2.116765532	-109.1857634	36.59540757	10/20/2012	111926	1825.42	NMEA 0183	12	2
662281.8077	4051524.189	26,800	-2.116765532	-109.1857743	36.5954171	10/20/2012	111928	1825.56	NMEA 0183	12	2
662281.0688	4051525.64	26,800	-2.116765532	-109.1857822	36.5954303	10/20/2012	111931	1826.07	NMEA 0183	12	2
662271.2636	4051544.838	26,800	-2.116765532	-109.1858877	36.59560495	10/20/2012	112022	1827.18	NMEA 0183	12	2
662271.221	4051544.806	26,800	-2.116765532	-109.1858882	36.59560467	10/20/2012	112029	1827.13	NMEA 0183	12	2
662271.2085	4051545.466	26,800	-2.116765532	-109.1858882	36.59561062	10/20/2012	112043	1827.27	NMEA 0183	12	2
662271.2478	4051545.753	26,800	-2.116765532	-109.1858877	36.5956132	10/20/2012	112101	1827.51	NMEA 0183	12	2
662268.6831	4051538.924	26,800	-2.116765532	-109.1859178	36.5955521	10/20/2012	112611	1826.5	NMEA 0183	12	2
662245.8141	4051552.424	26,800	-2.116765532	-109.1861705	36.59567763	10/20/2012	113102	1826.37	NMEA 0183	12	2
662241.8853	4051472.56	26,800	-2.116765532	-109.1862313	36.59495868	10/20/2012	114013	1824.68	NMEA 0183	12	2
662315.7464	4051521.686	26,800	-2.116765532	-109.1853956	36.59538877	10/20/2012	114917	1826.15	NMEA 0183	12	2
662262.0929	4051477.272	26,900	-2.064730981	-109.1860045	36.5949977	10/20/2012	102437	1824.69	NMEA 0183	12	2
662261.4606	4051476.555	26,900	-2.064730981	-109.1860117	36.59499135	10/20/2012	102518	1825.16	NMEA 0183	12	2
662303.9491	4051502.23	26,900	-2.064730981	-109.1855315	36.59521547	10/20/2012	102700	1825.84	NMEA 0183	12	2
662327.6926	4051522.437	26,900	-2.064730981	-109.1852619	36.5953935	10/20/2012	102732	1826.12	NMEA 0183	12	2
662330.4444	4051525.125	26,900	-2.064730981	-109.1852306	36.59541725	10/20/2012	102736	1826.24	NMEA 0183	12	2
662353.3602	4051548.71	26,900	-2.064730981	-109.1849695	36.59562587	10/20/2012	102812	1827.41	NMEA 0183	12	2
662326.9914	4051528.052	26,900	-2.064730981	-109.1852686	36.59544422	10/20/2012	102900	1826.05	NMEA 0183	12	2
662324.4093	4051531.544	26,900	-2.064730981	-109.1852967	36.59547612	10/20/2012	103116	1826.35	NMEA 0183	12	2
662321.9014	4051529.131	26,900	-2.064730981	-109.1853252	36.5954548	10/20/2012	103119	1826.27	NMEA 0183	12	2
662322.3579	4051531.655	26,900	-2.064730981	-109.1853196	36.59547747	10/20/2012	103130	1826.49	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662325.4457	4051534.318	26,900	-2.064730981	-109.1852845	36.59550093	10/20/2012	103135	1826.5	NMEA 0183	12	2
662304.725	4051537.515	26,900	-2.064730981	-109.1855154	36.59553327	10/20/2012	103800	1826.32	NMEA 0183	12	2
662301.0429	4051546.969	26,900	-2.064730981	-109.1855545	36.59561908	10/20/2012	104259	1826.36	NMEA 0183	12	2
662302.903	4051556.752	26,900	-2.064730981	-109.1855317	36.59570692	10/20/2012	110239	1826.79	NMEA 0183	12	2
662302.5733	4051563.863	26,900	-2.064730981	-109.1855339	36.59577105	10/20/2012	110300	1827.26	NMEA 0183	12	2
662291.4445	4051566.668	26,900	-2.064730981	-109.1856576	36.59579822	10/20/2012	110450	1827.18	NMEA 0183	12	2
662289.1463	4051567.764	26,900	-2.064730981	-109.1856831	36.59580848	10/20/2012	110520	1827.48	NMEA 0183	12	2
662305.7943	4051527.491	26,900	-2.064730981	-109.1855055	36.59544277	10/20/2012	110622	1826.02	NMEA 0183	12	2
662308.2744	4051524.584	26,900	-2.064730981	-109.1854784	36.59541615	10/20/2012	110627	1825.97	NMEA 0183	12	2
662296.9172	4051542.163	26,900	-2.064730981	-109.1856016	36.59557648	10/20/2012	110808	1827.22	NMEA 0183	12	2
662280.4723	4051562.046	26,900	-2.064730981	-109.1857812	36.59575843	10/20/2012	110951	1827.15	NMEA 0183	12	2
662304.2628	4051509.785	26,900	-2.064730981	-109.1855264	36.59528348	10/20/2012	111145	1825.85	NMEA 0183	12	2
662280.9411	4051557.127	26,900	-2.064730981	-109.185777	36.59571403	10/20/2012	111256	1826.94	NMEA 0183	12	2
662284.6166	4051539.253	26,900	-2.064730981	-109.1857397	36.59555235	10/20/2012	111420	1826.48	NMEA 0183	12	2
662296.7327	4051515.602	26,900	-2.064730981	-109.1856093	36.59533718	10/20/2012	111453	1825.32	NMEA 0183	12	2
662272.417	4051564.955	26,900	-2.064730981	-109.1858706	36.59578602	10/20/2012	111644	1827.1	NMEA 0183	12	2
662271.8188	4051566.701	26,900	-2.064730981	-109.1858769	36.59580185	10/20/2012	111646	1827.37	NMEA 0183	12	2
662284.6809	4051522.42	26,900	-2.064730981	-109.1857425	36.59540067	10/20/2012	111814	1825.38	NMEA 0183	12	2
662292.0003	4051510.7	26,900	-2.064730981	-109.1856632	36.59529382	10/20/2012	111834	1824.73	NMEA 0183	12	2
662289.7795	4051509.197	26,900	-2.064730981	-109.1856884	36.59528065	10/20/2012	111906	1824.89	NMEA 0183	12	2
662288.4107	4051512.966	26,900	-2.064730981	-109.1857029	36.59531485	10/20/2012	111911	1824.97	NMEA 0183	12	2
662271.2504	4051544.827	26,900	-2.064730981	-109.1858879	36.59560485	10/20/2012	112025	1827.13	NMEA 0183	12	2
662271.2239	4051545.755	26,900	-2.064730981	-109.185888	36.59561322	10/20/2012	112102	1827.5	NMEA 0183	12	2
662280.3352	4051518.755	26,900	-2.064730981	-109.1857919	36.59536838	10/20/2012	112351	1825.4	NMEA 0183	12	2
662281.2294	4051515.476	26,900	-2.064730981	-109.1857826	36.59533868	10/20/2012	112355	1825.33	NMEA 0183	12	2
662268.2488	4051539.018	26,900	-2.064730981	-109.1859227	36.59555302	10/20/2012	112616	1826.52	NMEA 0183	12	2
662235.7329	4051488.751	26,900	-2.064730981	-109.1862966	36.59510562	10/20/2012	113254	1825.29	NMEA 0183	12	2
662246.0894	4051493.916	26,900	-2.064730981	-109.1861798	36.5951504	10/20/2012	113739	1824.99	NMEA 0183	12	2
662239.4303	4051472.48	26,900	-2.064730981	-109.1862587	36.59495838	10/20/2012	114009	1824.64	NMEA 0183	12	2
662262.121	4051477.281	27,000	-2.01269643	-109.1860042	36.59499778	10/20/2012	102435	1824.67	NMEA 0183	12	2
662262.0791	4051477.131	27,000	-2.01269643	-109.1860047	36.59499643	10/20/2012	102450	1824.57	NMEA 0183	12	2
662264.3357	4051472.475	27,000	-2.01269643	-109.1859804	36.5949541	10/20/2012	102545	1825.1	NMEA 0183	12	2
662333.3103	4051530.53	27,000	-2.01269643	-109.1851974	36.59546547	10/20/2012	102849	1826.59	NMEA 0183	12	2
662332.5304	4051535.023	27,000	-2.01269643	-109.1852052	36.59550608	10/20/2012	102911	1827.68	NMEA 0183	12	2
662322.9512	4051532.302	27,000	-2.01269643	-109.1853128	36.5954832	10/20/2012	103131	1826.69	NMEA 0183	12	2
662314.5307	4051552.884	27,000	-2.01269643	-109.1854026	36.59567008	10/20/2012	104017	1826.72	NMEA 0183	12	2
662305.136	4051551.926	27,000	-2.01269643	-109.1855077	36.59566305	10/20/2012	104307	1827.22	NMEA 0183	12	2
662319.223	4051592.288	27,000	-2.01269643	-109.1853418	36.59602433	10/20/2012	104721	1830.6	NMEA 0183	12	2
662315.2355	4051552.919	27,000	-2.01269643	-109.1853947	36.59567028	10/20/2012	105743	1826.44	NMEA 0183	12	2
662306.5323	4051573.153	27,000	-2.01269643	-109.1854877	36.59585408	10/20/2012	110014	1827.66	NMEA 0183	12	2
662295.9577	4051563.276	27,000	-2.01269643	-109.1856079	36.59576688	10/20/2012	110348	1826.87	NMEA 0183	12	2
662297.1074	4051557.129	27,000	-2.01269643	-109.1855964	36.5957113	10/20/2012	110359	1826.69	NMEA 0183	12	2
662298.9246	4051549.754	27,000	-2.01269643	-109.1855776	36.59564453	10/20/2012	110421	1826.54	NMEA 0183	12	2
662294.763	4051556.008	27,000	-2.01269643	-109.1856228	36.5957016	10/20/2012	110436	1826.62	NMEA 0183	12	2
662293.2807	4051559.865	27,000	-2.01269643	-109.1856385	36.5957366	10/20/2012	110441	1826.67	NMEA 0183	12	2
662309.3314	4051523.501	27,000	-2.01269643	-109.1854669	36.59540622	10/20/2012	110629	1826.05	NMEA 0183	12	2
662292.2612	4051546.955	27,000	-2.01269643	-109.1856527	36.59562045	10/20/2012	110819	1826.79	NMEA 0183	12	2
662291.1869	4051548.087	27,000	-2.01269643	-109.1856644	36.59563083	10/20/2012	110821	1826.82	NMEA 0183	12	2
662287.7772	4051554.569	27,000	-2.01269643	-109.1857012	36.59568982	10/20/2012	110831	1826.74	NMEA 0183	12	2
662285.2307	4051562.495	27,000	-2.01269643	-109.1857279	36.59576167	10/20/2012	110842	1827.04	NMEA 0183	12	2
662287.31	4051569.751	27,000	-2.01269643	-109.1857032	36.5958267	10/20/2012	110904	1827.77	NMEA 0183	12	2
662306.0828	4051511.744	27,000	-2.01269643	-109.1855056	36.59530083	10/20/2012	111116	1826.04	NMEA 0183	12	2
662299.7256	4051523.135	27,000	-2.01269643	-109.1855743	36.59540455	10/20/2012	111204	1826.32	NMEA 0183	12	2
662294.9966	4051530.374	27,000	-2.01269643	-109.1856256	36.59547058	10/20/2012	111216	1826.75	NMEA 0183	12	2
662279.9795	4051549.995	27,000	-2.01269643	-109.1857893	36.59564993	10/20/2012	111404	1827.37	NMEA 0183	12	2
662292.7892	4051524.447	27,000	-2.01269643	-109.1856515	36.59541755	10/20/2012	111441	1825.65	NMEA 0183	12	2
662301.6041	4051503.987	27,000	-2.01269643	-109.1855573	36.5952317	10/20/2012	111508	1825.15	NMEA 0183	12	2
662298.8247	4051506.158	27,000	-2.01269643	-109.1855879	36.59525173	10/20/2012	111524	1825.3	NMEA 0183	12	2
662271.1895	4051545.762	27,000	-2.01269643	-109.1858884	36.59561328	10/20/2012	112105	1827.51	NMEA 0183	12	2
662261.6234	4051566.198	27,000	-2.01269643	-109.185991	36.59579905	10/20/2012	112213	1829.26	NMEA 0183	12	2
662246.1637	4051551.996	27,000	-2.01269643	-109.1861667	36.59567372	10/20/2012	113105	1826.53	NMEA 0183	12	2
662248.8161	4051471.231	27,000	-2.01269643	-109.1861541	36.59494553	10/20/2012	114210	1824.46	NMEA 0183	12	2
662295.2076	4051498.11	27,000	-2.01269643	-109.18563	36.59517983	10/20/2012	114750	1824.94	NMEA 0183	12	2
662317.8112	4051515.654	27,000	-2.01269643	-109.1853738	36.59533407	10/20/2012	115003	1826.26	NMEA 0183	12	2
662270.8073	4051480.692	27,000	-2.01269643	-109.1859064	36.59502703	10/20/2012	115120	1824.68	NMEA 0183	12	2
662273.1106	4051479.801	27,100	-1.960661879	-109.1858808	36.59501862	10/20/2012	102624	1825.12	NMEA 0183	12	2
662301.6136	4051500.48	27,100	-1.960661879	-109.185558	36.5952001	10/20/2012	102657	1825.63	NMEA 0183	12	2
662302.5114	4051501.041	27,100	-1.960661879	-109.1855478	36.595205	10/20/2012	102658	1825.72	NMEA 0183	12	2
662306.5633	4051503.676	27,100	-1.960661879	-109.185502	36.59522805	10/20/2012	102703	1825.93	NMEA 0183	12	2
662351.083	4051547.352	27,100	-1.960661879	-109.1849953	36.59561402	10/20/2012	102821	1826.83	NMEA 0183	12	2
662314.2723	4051531.977	27,100	-1.960661879	-109.1854099	36.59548175	10/20/2012	103320	1826.78	NMEA 0183	12	2
662340.5122	4051580.619	27,100	-1.960661879	-109.1851064	36.59591557	10/20/2012	103900	1829.51	NMEA 0183	12	2
662306.8755	4051543.372	27,100	-1.960661879	-109.1854901	36.59558568	10/20/2012	104029	1826.5	NMEA 0183	12	2
662303.3627	4051540.548	27,100	-1.960661879	-109.18553	36.59556083	10/20/2012	104034	1826.5	NMEA 0183	12	2
662329.1877	4051580.521	27,100	-1.960661879	-109.1852329	36.59591662	10/20/2012	104207	1830.24	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662329.1138	4051596.194	27,100	-1.960661879	-109.1852305	36.59605785	10/20/2012	104507	1830.81	NMEA 0183	12	2
662303.231	4051570.581	27,100	-1.960661879	-109.1855251	36.59583147	10/20/2012	110149	1827.11	NMEA 0183	12	2
662307.4338	4051552.744	27,100	-1.960661879	-109.1854819	36.59567003	10/20/2012	110223	1826.91	NMEA 0183	12	2
662301.9988	4051533.316	27,100	-1.960661879	-109.1855467	36.5954959	10/20/2012	110612	1826.27	NMEA 0183	12	2
662305.6079	4051527.334	27,100	-1.960661879	-109.1855077	36.59544138	10/20/2012	110741	1826.24	NMEA 0183	12	2
662280.7153	4051562.53	27,100	-1.960661879	-109.1857784	36.59576275	10/20/2012	110950	1827.22	NMEA 0183	12	2
662300.1822	4051519.651	27,100	-1.960661879	-109.1855699	36.59537308	10/20/2012	111159	1826.41	NMEA 0183	12	2
662299.4045	4051523.791	27,100	-1.960661879	-109.1855777	36.59541052	10/20/2012	111205	1826.31	NMEA 0183	12	2
662280.5372	4051557.743	27,100	-1.960661879	-109.1857814	36.59571965	10/20/2012	111257	1826.96	NMEA 0183	12	2
662277.7528	4051561.601	27,100	-1.960661879	-109.1858117	36.59575488	10/20/2012	111303	1827.03	NMEA 0183	12	2
662274.5591	4051563.599	27,100	-1.960661879	-109.185847	36.59577343	10/20/2012	111337	1827.03	NMEA 0183	12	2
662285.5344	4051537.171	27,100	-1.960661879	-109.1857299	36.59553343	10/20/2012	111423	1826.39	NMEA 0183	12	2
662290.5179	4051529.803	27,100	-1.960661879	-109.1856758	36.5954662	10/20/2012	111434	1825.89	NMEA 0183	12	2
662293.1836	4051516.75	27,100	-1.960661879	-109.1856487	36.59534813	10/20/2012	111540	1825.31	NMEA 0183	12	2
662290.2675	4051522.213	27,100	-1.960661879	-109.1856802	36.59539785	10/20/2012	111548	1825.5	NMEA 0183	12	2
662288.1071	4051529.28	27,100	-1.960661879	-109.1857028	36.5954619	10/20/2012	111557	1825.8	NMEA 0183	12	2
662269.8103	4051559.246	27,100	-1.960661879	-109.1859009	36.59573502	10/20/2012	111717	1827.09	NMEA 0183	12	2
662273.2073	4051550.986	27,100	-1.960661879	-109.1858647	36.59566002	10/20/2012	111729	1826.97	NMEA 0183	12	2
662280.8491	4051533.486	27,100	-1.960661879	-109.185783	36.59550103	10/20/2012	111753	1825.9	NMEA 0183	12	2
662275.4476	4051532.419	27,100	-1.960661879	-109.1858436	36.59549233	10/20/2012	112322	1827.71	NMEA 0183	12	2
662280.8687	4051517.124	27,100	-1.960661879	-109.1857863	36.5953536	10/20/2012	112353	1825.33	NMEA 0183	12	2
662278.8397	4051512.253	27,100	-1.960661879	-109.18581	36.59531005	10/20/2012	112455	1825.2	NMEA 0183	12	2
662268.6498	4051538.949	27,100	-1.960661879	-109.1859182	36.59555233	10/20/2012	112605	1826.46	NMEA 0183	12	2
662250.5085	4051563.764	27,100	-1.960661879	-109.1861157	36.59577902	10/20/2012	112825	1826.86	NMEA 0183	12	2
662264.1396	4051532.546	27,100	-1.960661879	-109.1859699	36.5954954	10/20/2012	113428	1825.63	NMEA 0183	12	2
662239.0975	4051493.033	27,100	-1.960661879	-109.1862581	36.59514363	10/20/2012	113607	1824.98	NMEA 0183	12	2
662244.2605	4051476.001	27,100	-1.960661879	-109.186204	36.59498928	10/20/2012	114017	1824.75	NMEA 0183	12	2
662245.8629	4051477.078	27,100	-1.960661879	-109.1861859	36.59499872	10/20/2012	114019	1824.77	NMEA 0183	12	2
662259.1467	4051483.769	27,100	-1.960661879	-109.186036	36.59505675	10/20/2012	114226	1824.63	NMEA 0183	12	2
662281.4024	4051513.897	27,100	-1.960661879	-109.185781	36.59532443	10/20/2012	114306	1825.34	NMEA 0183	12	2
662299.7884	4051509.62	27,100	-1.960661879	-109.1855764	36.59528277	10/20/2012	114809	1825.47	NMEA 0183	12	2
662301.9944	4051513.334	27,100	-1.960661879	-109.185551	36.59531585	10/20/2012	114813	1825.72	NMEA 0183	12	2
662314.9108	4051522.73	27,100	-1.960661879	-109.1854047	36.59539832	10/20/2012	114915	1826.22	NMEA 0183	12	2
662261.4375	4051476.593	27,200	-1.908627329	-109.1860119	36.5949917	10/20/2012	102513	1825.1	NMEA 0183	12	2
662261.4433	4051476.599	27,200	-1.908627329	-109.1860119	36.59499175	10/20/2012	102535	1825.19	NMEA 0183	12	2
662279.326	4051483.66	27,200	-1.908627329	-109.1858106	36.59505233	10/20/2012	102631	1825.21	NMEA 0183	12	2
662280.2279	4051484.158	27,200	-1.908627329	-109.1858004	36.59505667	10/20/2012	102632	1825.2	NMEA 0183	12	2
662314.4387	4051508.715	27,200	-1.908627329	-109.1854129	36.59527212	10/20/2012	102712	1826.02	NMEA 0183	12	2
662319.5118	4051514.771	27,200	-1.908627329	-109.1853549	36.59532582	10/20/2012	102721	1826	NMEA 0183	12	2
662329.8192	4051524.423	27,200	-1.908627329	-109.1852377	36.59541103	10/20/2012	102735	1826.16	NMEA 0183	12	2
662316.4764	4051534.916	27,200	-1.908627329	-109.1853846	36.59550785	10/20/2012	103327	1826.52	NMEA 0183	12	2
662336.5389	4051567.115	27,200	-1.908627329	-109.1851536	36.59579457	10/20/2012	103710	1827.22	NMEA 0183	12	2
662306.4291	4051538.185	27,200	-1.908627329	-109.1854962	36.59553902	10/20/2012	103758	1826.35	NMEA 0183	12	2
662312.5808	4051544.62	27,200	-1.908627329	-109.1854261	36.59559595	10/20/2012	103811	1826.54	NMEA 0183	12	2
662312.3286	4051550.312	27,200	-1.908627329	-109.1854277	36.59564728	10/20/2012	104020	1826.79	NMEA 0183	12	2
662303.3608	4051542.07	27,200	-1.908627329	-109.1855297	36.59557455	10/20/2012	104036	1826.5	NMEA 0183	12	2
662329.3278	4051591.345	27,200	-1.908627329	-109.1852291	36.59601412	10/20/2012	105047	1831.02	NMEA 0183	12	2
662314.9516	4051552.868	27,200	-1.908627329	-109.1853979	36.59566987	10/20/2012	105709	1826.46	NMEA 0183	12	2
662314.995	4051552.863	27,200	-1.908627329	-109.1853974	36.59566982	10/20/2012	105721	1826.47	NMEA 0183	12	2
662300.0625	4051560.66	27,200	-1.908627329	-109.1855626	36.59574262	10/20/2012	110246	1826.93	NMEA 0183	12	2
662302.3867	4051563.714	27,200	-1.908627329	-109.185536	36.59576973	10/20/2012	110259	1827.23	NMEA 0183	12	2
662300.1679	4051568.032	27,200	-1.908627329	-109.1855599	36.59580902	10/20/2012	110307	1827.22	NMEA 0183	12	2
662296.0226	4051567.502	27,200	-1.908627329	-109.1856063	36.59580495	10/20/2012	110341	1827.08	NMEA 0183	12	2
662300.5459	4051537.669	27,200	-1.908627329	-109.185562	36.59553537	10/20/2012	110605	1826.56	NMEA 0183	12	2
662312.842	4051511.522	27,200	-1.908627329	-109.1854302	36.59529768	10/20/2012	110701	1826.78	NMEA 0183	12	2
662305.0054	4051529.381	27,200	-1.908627329	-109.185514	36.59545993	10/20/2012	110744	1826.31	NMEA 0183	12	2
662304.3802	4051531.685	27,200	-1.908627329	-109.1855205	36.5954808	10/20/2012	110748	1826.46	NMEA 0183	12	2
662300.0516	4051540.151	27,200	-1.908627329	-109.185567	36.59555782	10/20/2012	110802	1826.88	NMEA 0183	12	2
662295.4402	4051544.079	27,200	-1.908627329	-109.1856177	36.5955594	10/20/2012	110812	1827.65	NMEA 0183	12	2
662285.8097	4051561.213	27,200	-1.908627329	-109.1857217	36.59575002	10/20/2012	110840	1826.98	NMEA 0183	12	2
662285.4008	4051571.497	27,200	-1.908627329	-109.1857241	36.59584275	10/20/2012	110911	1827.94	NMEA 0183	12	2
662279.9424	4051568.071	27,200	-1.908627329	-109.1857859	36.59581282	10/20/2012	110940	1827.29	NMEA 0183	12	2
662304.4912	4051518.545	27,200	-1.908627329	-109.185522	36.59536238	10/20/2012	111103	1826.28	NMEA 0183	12	2
662299.7613	4051522.507	27,200	-1.908627329	-109.185574	36.59539888	10/20/2012	111203	1826.3	NMEA 0183	12	2
662294.7513	4051530.96	27,200	-1.908627329	-109.1856282	36.5954759	10/20/2012	111217	1826.76	NMEA 0183	12	2
662273.7518	4051565.674	27,200	-1.908627329	-109.1858555	36.59579227	10/20/2012	111333	1827.15	NMEA 0183	12	2
662277.3368	4051556.38	27,200	-1.908627329	-109.1858174	36.59570792	10/20/2012	111354	1826.91	NMEA 0183	12	2
662286.4356	4051535.734	27,200	-1.908627329	-109.1857201	36.59552033	10/20/2012	111425	1826.29	NMEA 0183	12	2
662293.1133	4051523.633	27,200	-1.908627329	-109.1856481	36.59541017	10/20/2012	111442	1825.61	NMEA 0183	12	2
662294.2756	4051521.401	27,200	-1.908627329	-109.1856355	36.59538985	10/20/2012	111445	1825.49	NMEA 0183	12	2
662294.7328	4051520.647	27,200	-1.908627329	-109.1856306	36.59538298	10/20/2012	111446	1825.54	NMEA 0183	12	2
662296.3901	4051516.372	27,200	-1.908627329	-109.185613	36.59534418	10/20/2012	111452	1825.35	NMEA 0183	12	2
662294.9277	4051512.144	27,200	-1.908627329	-109.1856302	36.59530633	10/20/2012	111534	1825.15	NMEA 0183	12	2
662290.9343	4051520.864	27,200	-1.908627329	-109.185673	36.59538558	10/20/2012	111546	1825.44	NMEA 0183	12	2
662290.6057	4051521.52	27,200	-1.908627329	-109.1856765	36.59539155	10/20/2012	111547	1825.44	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662283.7772	4051538.286	27,200	-1.908627329	-109.1857493	36.59554378	10/20/2012	111610	1826.48	NMEA 0183	12	2
662291.5513	4051511.49	27,200	-1.908627329	-109.1856681	36.59530102	10/20/2012	111833	1824.76	NMEA 0183	12	2
662275.4755	4051529.994	27,200	-1.908627329	-109.1858438	36.59547048	10/20/2012	111949	1827.82	NMEA 0183	12	2
662271.1983	4051545.218	27,200	-1.908627329	-109.1858884	36.59560838	10/20/2012	112039	1827.22	NMEA 0183	12	2
662270.0442	4051546.226	27,200	-1.908627329	-109.1859011	36.59561767	10/20/2012	112258	1827.51	NMEA 0183	12	2
662268.5413	4051538.298	27,200	-1.908627329	-109.1859195	36.59554648	10/20/2012	112539	1826.34	NMEA 0183	12	2
662247.0218	4051537.988	27,200	-1.908627329	-109.1861601	36.59554735	10/20/2012	113150	1826.31	NMEA 0183	12	2
662228.6725	4051495.289	27,200	-1.908627329	-109.1863741	36.59516573	10/20/2012	113339	1825.33	NMEA 0183	12	2
662241.9872	4051505.244	27,200	-1.908627329	-109.1862232	36.59525317	10/20/2012	113357	1825.45	NMEA 0183	12	2
662243.9905	4051508.077	27,200	-1.908627329	-109.1862003	36.59527835	10/20/2012	113400	1825.52	NMEA 0183	12	2
662257.756	4051492.414	27,200	-1.908627329	-109.1860497	36.59513488	10/20/2012	114037	1825.13	NMEA 0183	12	2
662259.5202	4051467.625	27,200	-1.908627329	-109.1860353	36.59491122	10/20/2012	114608	1824.36	NMEA 0183	12	2
662259.3722	4051466.377	27,200	-1.908627329	-109.1860372	36.5949	10/20/2012	114610	1824.33	NMEA 0183	12	2
662322.6963	4051524.32	27,200	-1.908627329	-109.1853173	36.59541132	10/20/2012	114937	1825.97	NMEA 0183	12	2
662325.0404	4051519.449	27,200	-1.908627329	-109.1852922	36.59536703	10/20/2012	114955	1825.67	NMEA 0183	12	2
662322.1573	4051517.797	27,200	-1.908627329	-109.1853247	36.59535263	10/20/2012	114958	1825.69	NMEA 0183	12	2
662295.6587	4051498.55	27,200	-1.908627329	-109.1856249	36.59518372	10/20/2012	115039	1825.07	NMEA 0183	12	2
662262.0914	4051477.27	27,300	-1.856592778	-109.1860045	36.59499768	10/20/2012	102436	1824.68	NMEA 0183	12	2
662262.0686	4051477.212	27,300	-1.856592778	-109.1860048	36.59499717	10/20/2012	102440	1824.64	NMEA 0183	12	2
662262.1251	4051477.22	27,300	-1.856592778	-109.1860041	36.59499723	10/20/2012	102441	1824.65	NMEA 0183	12	2
662262.1312	4051477.135	27,300	-1.856592778	-109.1860041	36.59499647	10/20/2012	102500	1824.65	NMEA 0183	12	2
662264.3048	4051471.74	27,300	-1.856592778	-109.1859809	36.59494748	10/20/2012	102604	1825.08	NMEA 0183	12	2
662295.623	4051496.964	27,300	-1.856592778	-109.1856256	36.59516943	10/20/2012	102651	1825.63	NMEA 0183	12	2
662329.0779	4051523.715	27,300	-1.856592778	-109.1852462	36.59540478	10/20/2012	102734	1826.2	NMEA 0183	12	2
662353.2324	4051548.926	27,300	-1.856592778	-109.1849709	36.59562783	10/20/2012	102813	1827.41	NMEA 0183	12	2
662341.3505	4051546.667	27,300	-1.856592778	-109.1851042	36.5956095	10/20/2012	102958	1827.14	NMEA 0183	12	2
662341.6829	4051547.308	27,300	-1.856592778	-109.1851003	36.59561522	10/20/2012	102959	1827.06	NMEA 0183	12	2
662342.2821	4051546.536	27,300	-1.856592778	-109.1850938	36.59560817	10/20/2012	103039	1827.47	NMEA 0183	12	2
662322.015	4051540.806	27,300	-1.856592778	-109.1853215	36.59555998	10/20/2012	103339	1828.32	NMEA 0183	12	2
662337.209	4051556.592	27,300	-1.856592778	-109.1851484	36.59569963	10/20/2012	103402	1827.94	NMEA 0183	12	2
662319.5738	4051546.074	27,300	-1.856592778	-109.1853476	36.59560787	10/20/2012	103533	1826.46	NMEA 0183	12	2
662344.9265	4051571.174	27,300	-1.856592778	-109.185059	36.59582972	10/20/2012	103632	1827.46	NMEA 0183	12	2
662307.2708	4051540.526	27,300	-1.856592778	-109.1854863	36.59555997	10/20/2012	103805	1826.36	NMEA 0183	12	2
662311.3899	4051551.447	27,300	-1.856592778	-109.185438	36.59565767	10/20/2012	104048	1826.95	NMEA 0183	12	2
662307.944	4051555.266	27,300	-1.856592778	-109.1854757	36.59569267	10/20/2012	104312	1827.65	NMEA 0183	12	2
662317.1102	4051593.439	27,300	-1.856592778	-109.1853652	36.59603507	10/20/2012	104703	1830.67	NMEA 0183	12	2
662329.4666	4051591.101	27,300	-1.856592778	-109.1852276	36.5960119	10/20/2012	105121	1830.4	NMEA 0183	12	2
662312.3071	4051566.772	27,300	-1.856592778	-109.1854245	36.5957956	10/20/2012	105639	1826.69	NMEA 0183	12	2
662312.6872	4051560.862	27,300	-1.856592778	-109.1854215	36.59574228	10/20/2012	105651	1826.47	NMEA 0183	12	2
662315.1041	4051552.93	27,300	-1.856592778	-109.1853961	36.5956704	10/20/2012	105846	1826.52	NMEA 0183	12	2
662315.1189	4051552.934	27,300	-1.856592778	-109.185396	36.59567043	10/20/2012	105859	1826.5	NMEA 0183	12	2
662306.9184	4051567.713	27,300	-1.856592778	-109.1854845	36.595805	10/20/2012	110118	1827.69	NMEA 0183	12	2
662302.5944	4051564.406	27,300	-1.856592778	-109.1855335	36.59577593	10/20/2012	110301	1827.32	NMEA 0183	12	2
662297.9788	4051571.166	27,300	-1.856592778	-109.1855837	36.59583763	10/20/2012	110313	1827.56	NMEA 0183	12	2
662294.9015	4051570.157	27,300	-1.856592778	-109.1856183	36.59582907	10/20/2012	110336	1827.51	NMEA 0183	12	2
662288.1135	4051569.774	27,300	-1.856592778	-109.1856942	36.59582677	10/20/2012	110517	1827.56	NMEA 0183	12	2
662290.3279	4051566.164	27,300	-1.856592778	-109.1856702	36.59579387	10/20/2012	110523	1827.24	NMEA 0183	12	2
662291.6561	4051557.677	27,300	-1.856592778	-109.1856572	36.59571717	10/20/2012	110535	1826.62	NMEA 0183	12	2
662309.5983	4051523.114	27,300	-1.856592778	-109.185464	36.59540268	10/20/2012	110631	1826.04	NMEA 0183	12	2
662309.3868	4051523.258	27,300	-1.856592778	-109.1854663	36.59540402	10/20/2012	110732	1826.22	NMEA 0183	12	2
662289.0557	4051552.501	27,300	-1.856592778	-109.1856873	36.59567097	10/20/2012	110828	1826.66	NMEA 0183	12	2
662287.4406	4051569.469	27,300	-1.856592778	-109.1857018	36.59582413	10/20/2012	110905	1827.75	NMEA 0183	12	2
662305.2596	4051510.316	27,300	-1.856592778	-109.1855151	36.5952881	10/20/2012	111130	1825.97	NMEA 0183	12	2
662298.6781	4051524.976	27,300	-1.856592778	-109.1855856	36.59542132	10/20/2012	111207	1826.33	NMEA 0183	12	2
662272.1409	4051571.914	27,300	-1.856592778	-109.1858722	36.59584877	10/20/2012	111320	1827.87	NMEA 0183	12	2
662275.325	4051562.609	27,300	-1.856592778	-109.1858386	36.59576438	10/20/2012	111342	1827.01	NMEA 0183	12	2
662276.8846	4051558.686	27,300	-1.856592778	-109.185822	36.59572877	10/20/2012	111351	1826.93	NMEA 0183	12	2
662278.1281	4051552.862	27,300	-1.856592778	-109.1858093	36.59567608	10/20/2012	111359	1827.01	NMEA 0183	12	2
662281.3448	4051545.78	27,300	-1.856592778	-109.1857749	36.59561172	10/20/2012	111410	1826.75	NMEA 0183	12	2
662284.3443	4051539.926	27,300	-1.856592778	-109.1857426	36.59555847	10/20/2012	111419	1826.57	NMEA 0183	12	2
662301.1356	4051505.338	27,300	-1.856592778	-109.1855623	36.59524395	10/20/2012	111506	1825.14	NMEA 0183	12	2
662298.2077	4051507.63	27,300	-1.856592778	-109.1855945	36.5952651	10/20/2012	111526	1825.18	NMEA 0183	12	2
662287.1972	4051530.943	27,300	-1.856592778	-109.1857126	36.59547703	10/20/2012	111559	1825.96	NMEA 0183	12	2
662285.3736	4051535.499	27,300	-1.856592778	-109.185732	36.5955184	10/20/2012	111606	1826.32	NMEA 0183	12	2
662280.3166	4051526.142	27,300	-1.856592778	-109.1857905	36.59543495	10/20/2012	111937	1826.49	NMEA 0183	12	2
662271.7747	4051543.207	27,300	-1.856592778	-109.1858824	36.59559017	10/20/2012	112012	1827.14	NMEA 0183	12	2
662271.3013	4051545.686	27,300	-1.856592778	-109.1858871	36.59561258	10/20/2012	112055	1827.44	NMEA 0183	12	2
662256.4058	4051566.138	27,300	-1.856592778	-109.1860493	36.5957994	10/20/2012	112221	1829.95	NMEA 0183	12	2
662271.8679	4051542.848	27,300	-1.856592778	-109.1858814	36.59558692	10/20/2012	112305	1827.14	NMEA 0183	12	2
662282.3654	4051510.372	27,300	-1.856592778	-109.185771	36.5952925	10/20/2012	112401	1825.3	NMEA 0183	12	2
662268.5816	4051538.848	27,300	-1.856592778	-109.185919	36.59555143	10/20/2012	112550	1826.4	NMEA 0183	12	2
662268.6671	4051538.902	27,300	-1.856592778	-109.185918	36.5955519	10/20/2012	112612	1826.5	NMEA 0183	12	2
662246.0162	4051551.988	27,300	-1.856592778	-109.1861684	36.59567367	10/20/2012	113114	1826.76	NMEA 0183	12	2
662245.3972	4051551.834	27,300	-1.856592778	-109.1861753	36.59567238	10/20/2012	113136	1826.8	NMEA 0183	12	2
662244.8146	4051549.353	27,300	-1.856592778	-109.1861823	36.59565013	10/20/2012	113139	1827.05	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662240.416	4051506.938	27,300	-1.856592778	-109.1862404	36.5952687	10/20/2012	113229	1825.9	NMEA 0183	12	2
662235.73	4051488.749	27,300	-1.856592778	-109.1862966	36.5951056	10/20/2012	113252	1825.29	NMEA 0183	12	2
662227.5314	4051494.585	27,300	-1.856592778	-109.186387	36.59515958	10/20/2012	113309	1825.41	NMEA 0183	12	2
662256.7067	4051493.56	27,300	-1.856592778	-109.1860612	36.59514538	10/20/2012	113940	1825.49	NMEA 0183	12	2
662253.9997	4051487.159	27,300	-1.856592778	-109.1860928	36.59508817	10/20/2012	114031	1824.84	NMEA 0183	12	2
662274.7077	4051500.2	27,300	-1.856592778	-109.1858587	36.59520215	10/20/2012	114325	1824.9	NMEA 0183	12	2
662261.7714	4051482.763	27,300	-1.856592778	-109.1860069	36.59504723	10/20/2012	114349	1824.6	NMEA 0183	12	2
662256.7842	4051475.871	27,300	-1.856592778	-109.1860641	36.59498598	10/20/2012	114357	1824.5	NMEA 0183	12	2
662267.6567	4051477.721	27,300	-1.856592778	-109.1859422	36.5950008	10/20/2012	114625	1824.38	NMEA 0183	12	2
662301.4439	4051512.469	27,300	-1.856592778	-109.1855573	36.59530815	10/20/2012	114812	1825.58	NMEA 0183	12	2
662311.4155	4051524.033	27,300	-1.856592778	-109.1854435	36.59541065	10/20/2012	114830	1826.15	NMEA 0183	12	2
662312.9611	4051528.83	27,300	-1.856592778	-109.1854252	36.59545362	10/20/2012	114907	1826.19	NMEA 0183	12	2
662317.4884	4051518.687	27,300	-1.856592778	-109.1853767	36.59536145	10/20/2012	114922	1825.94	NMEA 0183	12	2
662323.9531	4051518.898	27,300	-1.856592778	-109.1853044	36.59536225	10/20/2012	114956	1825.68	NMEA 0183	12	2
662262.18	4051477.318	27,400	-1.804558227	-109.1860035	36.5949981	10/20/2012	102431	1824.7	NMEA 0183	12	2
662262.0731	4051477.134	27,400	-1.804558227	-109.1860047	36.59499647	10/20/2012	102451	1824.57	NMEA 0183	12	2
662261.9232	4051477.25	27,400	-1.804558227	-109.1860064	36.59499753	10/20/2012	102506	1824.91	NMEA 0183	12	2
662261.4324	4051476.547	27,400	-1.804558227	-109.186012	36.59499128	10/20/2012	102521	1825.12	NMEA 0183	12	2
662281.1357	4051484.58	27,400	-1.804558227	-109.1857901	36.59506032	10/20/2012	102633	1825.17	NMEA 0183	12	2
662297.687	4051498.087	27,400	-1.804558227	-109.1856023	36.5951792	10/20/2012	102653	1825.6	NMEA 0183	12	2
662317.7205	4051513.427	27,400	-1.804558227	-109.1853752	36.59531402	10/20/2012	102718	1826.19	NMEA 0183	12	2
662322.395	4051517.764	27,400	-1.804558227	-109.1853221	36.5953523	10/20/2012	102725	1825.96	NMEA 0183	12	2
662344.3176	4051540.558	27,400	-1.804558227	-109.1850723	36.59555395	10/20/2012	102830	1827.17	NMEA 0183	12	2
662326.9944	4051527.262	27,400	-1.804558227	-109.1852687	36.5954371	10/20/2012	102859	1825.97	NMEA 0183	12	2
662323.5548	4051532.957	27,400	-1.804558227	-109.1853059	36.595489	10/20/2012	103132	1826.82	NMEA 0183	12	2
662324.8078	4051533.738	27,400	-1.804558227	-109.1852918	36.59549582	10/20/2012	103134	1826.55	NMEA 0183	12	2
662347.0232	4051558.56	27,400	-1.804558227	-109.1850383	36.5957157	10/20/2012	103223	1827.24	NMEA 0183	12	2
662309.2993	4051541.548	27,400	-1.804558227	-109.1854634	36.59556883	10/20/2012	103807	1826.51	NMEA 0183	12	2
662314.779	4051555.532	27,400	-1.804558227	-109.1853992	36.5956939	10/20/2012	104053	1827.09	NMEA 0183	12	2
662316.8223	4051563.983	27,400	-1.804558227	-109.1853746	36.5957697	10/20/2012	104326	1827.2	NMEA 0183	12	2
662324.4293	4051589.077	27,400	-1.804558227	-109.1852843	36.59599452	10/20/2012	104452	1831.02	NMEA 0183	12	2
662329.0687	4051591.558	27,400	-1.804558227	-109.1852319	36.59601608	10/20/2012	104944	1830.9	NMEA 0183	12	2
662330.276	4051590.97	27,400	-1.804558227	-109.1852186	36.59601058	10/20/2012	105257	1830.77	NMEA 0183	12	2
662315.1733	4051552.9	27,400	-1.804558227	-109.1853954	36.59567012	10/20/2012	105838	1826.49	NMEA 0183	12	2
662315.0838	4051552.9	27,400	-1.804558227	-109.1853964	36.59567013	10/20/2012	105841	1826.48	NMEA 0183	12	2
662305.7945	4051559.228	27,400	-1.804558227	-109.1854988	36.59572873	10/20/2012	110211	1827.04	NMEA 0183	12	2
662303.2922	4051555.809	27,400	-1.804558227	-109.1855275	36.59569835	10/20/2012	110237	1826.83	NMEA 0183	12	2
662299.5706	4051561.589	27,400	-1.804558227	-109.1855679	36.59575107	10/20/2012	110248	1826.96	NMEA 0183	12	2
662296.7001	4051544.34	27,400	-1.804558227	-109.1856036	36.59559613	10/20/2012	110554	1827.25	NMEA 0183	12	2
662309.0796	4051517.565	27,400	-1.804558227	-109.1854709	36.59535277	10/20/2012	110716	1826.13	NMEA 0183	12	2
662290.5123	4051549.058	27,400	-1.804558227	-109.1856718	36.5956397	10/20/2012	110823	1826.94	NMEA 0183	12	2
662279.7609	4051573.813	27,400	-1.804558227	-109.1857867	36.59586458	10/20/2012	110928	1827.36	NMEA 0183	12	2
662279.2351	4051568.247	27,400	-1.804558227	-109.1857937	36.59581452	10/20/2012	110939	1827.32	NMEA 0183	12	2
662281.0869	4051566.543	27,400	-1.804558227	-109.1857734	36.59579885	10/20/2012	110943	1827.24	NMEA 0183	12	2
662307.4369	4051514.594	27,400	-1.804558227	-109.1854899	36.59532628	10/20/2012	111109	1826.27	NMEA 0183	12	2
662307.1992	4051508.305	27,400	-1.804558227	-109.1854939	36.59526965	10/20/2012	111134	1826.18	NMEA 0183	12	2
662291.8555	4051536.768	27,400	-1.804558227	-109.1856593	36.59552873	10/20/2012	111225	1827.06	NMEA 0183	12	2
662276.3903	4051566.615	27,400	-1.804558227	-109.1858259	36.5958003	10/20/2012	111309	1827.13	NMEA 0183	12	2
662277.418	4051555.553	27,400	-1.804558227	-109.1858167	36.59570045	10/20/2012	111355	1826.92	NMEA 0183	12	2
662284.0929	4051540.686	27,400	-1.804558227	-109.1857453	36.59556535	10/20/2012	111418	1826.7	NMEA 0183	12	2
662297.9521	4051513.191	27,400	-1.804558227	-109.1855962	36.59531525	10/20/2012	111456	1825.27	NMEA 0183	12	2
662293.2225	4051515.956	27,400	-1.804558227	-109.1856485	36.59534097	10/20/2012	111539	1825.25	NMEA 0183	12	2
662281.1524	4051541.592	27,400	-1.804558227	-109.1857779	36.59557402	10/20/2012	111615	1826.81	NMEA 0183	12	2
662273.8414	4051558.872	27,400	-1.804558227	-109.185856	36.59573097	10/20/2012	111637	1826.94	NMEA 0183	12	2
662285.2381	4051521.191	27,400	-1.804558227	-109.1857366	36.5953895	10/20/2012	111818	1825.39	NMEA 0183	12	2
662288.711	4051517.206	27,400	-1.804558227	-109.1856986	36.595353	10/20/2012	111825	1824.9	NMEA 0183	12	2
662291.1639	4051512.26	27,400	-1.804558227	-109.1856722	36.59530802	10/20/2012	111832	1824.7	NMEA 0183	12	2
662271.2466	4051544.79	27,400	-1.804558227	-109.1858879	36.59560452	10/20/2012	112033	1827.16	NMEA 0183	12	2
662271.2527	4051544.786	27,400	-1.804558227	-109.1858879	36.59560448	10/20/2012	112034	1827.16	NMEA 0183	12	2
662271.3186	4051545.718	27,400	-1.804558227	-109.1858869	36.59561287	10/20/2012	112057	1827.46	NMEA 0183	12	2
662271.28	4051545.786	27,400	-1.804558227	-109.1858874	36.59561348	10/20/2012	112058	1827.48	NMEA 0183	12	2
662271.2938	4051545.847	27,400	-1.804558227	-109.1858872	36.59561403	10/20/2012	112111	1827.49	NMEA 0183	12	2
662271.3061	4051545.825	27,400	-1.804558227	-109.1858871	36.59561383	10/20/2012	112112	1827.5	NMEA 0183	12	2
662266.1622	4051531.437	27,400	-1.804558227	-109.1859476	36.59548507	10/20/2012	112527	1825.54	NMEA 0183	12	2
662268.384	4051538.807	27,400	-1.804558227	-109.1859212	36.5955511	10/20/2012	112554	1826.43	NMEA 0183	12	2
662246.0572	4051552.19	27,400	-1.804558227	-109.1861679	36.59567548	10/20/2012	113134	1826.89	NMEA 0183	12	2
662235.6937	4051488.617	27,400	-1.804558227	-109.1862971	36.59510442	10/20/2012	113255	1825.3	NMEA 0183	12	2
662223.6226	4051492.898	27,400	-1.804558227	-109.1864311	36.59514505	10/20/2012	113315	1825.51	NMEA 0183	12	2
662236.2906	4051501.637	27,400	-1.804558227	-109.1862877	36.59522163	10/20/2012	113350	1825.58	NMEA 0183	12	2
662236.9373	4051502.065	27,400	-1.804558227	-109.1862803	36.59522538	10/20/2012	113351	1825.63	NMEA 0183	12	2
662242.6726	4051506.073	27,400	-1.804558227	-109.1862154	36.59526052	10/20/2012	113358	1825.52	NMEA 0183	12	2
662232.4205	4051494.191	27,400	-1.804558227	-109.1863325	36.5951552	10/20/2012	113536	1825.54	NMEA 0183	12	2
662255.4112	4051491.869	27,400	-1.804558227	-109.1860761	36.59513037	10/20/2012	113942	1825.34	NMEA 0183	12	2
662239.4584	4051472.57	27,400	-1.804558227	-109.1862584	36.59495918	10/20/2012	114008	1824.62	NMEA 0183	12	2
662264.5345	4051497.095	27,400	-1.804558227	-109.185973	36.5951759	10/20/2012	114138	1825.11	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662261.7568	4051491.277	27,400	-1.804558227	-109.1860053	36.59512395	10/20/2012	114145	1824.9	NMEA 0183	12	2
662254.7508	4051481.581	27,400	-1.804558227	-109.1860856	36.59503778	10/20/2012	114155	1824.66	NMEA 0183	12	2
662252.4767	4051479.265	27,400	-1.804558227	-109.1861115	36.5950173	10/20/2012	114158	1824.65	NMEA 0183	12	2
662279.1987	4051513.543	27,400	-1.804558227	-109.1858057	36.59532162	10/20/2012	114302	1825.3	NMEA 0183	12	2
662256.0251	4051475.156	27,400	-1.804558227	-109.1860727	36.59497967	10/20/2012	114358	1824.49	NMEA 0183	12	2
662266.8745	4051478.856	27,400	-1.804558227	-109.1859507	36.59501117	10/20/2012	114555	1824.44	NMEA 0183	12	2
662320.0164	4051516.798	27,400	-1.804558227	-109.1853489	36.595344	10/20/2012	115000	1825.79	NMEA 0183	12	2
662270.9732	4051480.674	27,400	-1.804558227	-109.1859045	36.59502685	10/20/2012	115117	1824.66	NMEA 0183	12	2
662262.0778	4051477.201	27,500	-1.752523676	-109.1860047	36.59499707	10/20/2012	102444	1824.59	NMEA 0183	12	2
662261.3842	4051476.491	27,500	-1.752523676	-109.1860126	36.59499078	10/20/2012	102530	1825.22	NMEA 0183	12	2
662266.8438	4051474.638	27,500	-1.752523676	-109.1859519	36.59497317	10/20/2012	102617	1825.13	NMEA 0183	12	2
662275.8793	4051481.357	27,500	-1.752523676	-109.1858496	36.59503217	10/20/2012	102627	1825.08	NMEA 0183	12	2
662298.7191	4051498.717	27,500	-1.752523676	-109.1855907	36.5951847	10/20/2012	102654	1825.66	NMEA 0183	12	2
662334.3398	4051531.147	27,500	-1.752523676	-109.1851858	36.59547085	10/20/2012	102847	1826.75	NMEA 0183	12	2
662342.2376	4051546.606	27,500	-1.752523676	-109.1850943	36.5956088	10/20/2012	103014	1827.61	NMEA 0183	12	2
662343.9878	4051553.675	27,500	-1.752523676	-109.1850732	36.5956722	10/20/2012	103213	1827.83	NMEA 0183	12	2
662321.3195	4051539.805	27,500	-1.752523676	-109.1853295	36.59555108	10/20/2012	103337	1828.38	NMEA 0183	12	2
662345.068	4051571.813	27,500	-1.752523676	-109.1850573	36.59583545	10/20/2012	103658	1827.55	NMEA 0183	12	2
662309.5474	4051540.97	27,500	-1.752523676	-109.1854608	36.59556358	10/20/2012	103754	1826.44	NMEA 0183	12	2
662333.5773	4051583.908	27,500	-1.752523676	-109.1851832	36.59594638	10/20/2012	104134	1830.81	NMEA 0183	12	2
662326.8794	4051599.282	27,500	-1.752523676	-109.1852548	36.59608605	10/20/2012	104746	1830.99	NMEA 0183	12	2
662329.3969	4051591.239	27,500	-1.752523676	-109.1852283	36.59601315	10/20/2012	105034	1831.03	NMEA 0183	12	2
662330.2256	4051590.949	27,500	-1.752523676	-109.1852191	36.5960104	10/20/2012	105214	1830.92	NMEA 0183	12	2
662330.378	4051591.017	27,500	-1.752523676	-109.1852174	36.59601098	10/20/2012	105243	1830.93	NMEA 0183	12	2
662329.1336	4051595.384	27,500	-1.752523676	-109.1852304	36.59605055	10/20/2012	105338	1830.91	NMEA 0183	12	2
662313.2267	4051564.597	27,500	-1.752523676	-109.1854147	36.59577585	10/20/2012	105644	1826.67	NMEA 0183	12	2
662314.9742	4051552.855	27,500	-1.752523676	-109.1853976	36.59566975	10/20/2012	105716	1826.46	NMEA 0183	12	2
662306.4544	4051555.878	27,500	-1.752523676	-109.1854922	36.59569843	10/20/2012	110217	1827.66	NMEA 0183	12	2
662299.6615	4051562.307	27,500	-1.752523676	-109.1855667	36.59575752	10/20/2012	110249	1826.98	NMEA 0183	12	2
662301.2032	4051566.679	27,500	-1.752523676	-109.1855486	36.59579665	10/20/2012	110305	1827.25	NMEA 0183	12	2
662296.4972	4051562.349	27,500	-1.752523676	-109.1856021	36.59575843	10/20/2012	110351	1826.89	NMEA 0183	12	2
662298.2962	4051555.228	27,500	-1.752523676	-109.1855835	36.59569397	10/20/2012	110403	1826.6	NMEA 0183	12	2
662300.8121	4051548.211	27,500	-1.752523676	-109.1855568	36.59563032	10/20/2012	110416	1826.41	NMEA 0183	12	2
662295.2993	4051553.832	27,500	-1.752523676	-109.1856173	36.5956819	10/20/2012	110433	1826.58	NMEA 0183	12	2
662290.8712	4051567.647	27,500	-1.752523676	-109.1856638	36.59580713	10/20/2012	110452	1827.28	NMEA 0183	12	2
662291.0529	4051564.345	27,500	-1.752523676	-109.1856625	36.59577735	10/20/2012	110526	1826.87	NMEA 0183	12	2
662295.8365	4051548.13	27,500	-1.752523676	-109.1856125	36.59563043	10/20/2012	110548	1826.35	NMEA 0183	12	2
662311.0839	4051513.635	27,500	-1.752523676	-109.1854494	36.59531702	10/20/2012	110709	1826.62	NMEA 0183	12	2
662298.0212	4051541.359	27,500	-1.752523676	-109.1855895	36.59556905	10/20/2012	110806	1827.06	NMEA 0183	12	2
662285.3356	4051550.699	27,500	-1.752523676	-109.1857293	36.59565537	10/20/2012	111010	1826.82	NMEA 0183	12	2
662297.3201	4051532.521	27,500	-1.752523676	-109.1855992	36.59548953	10/20/2012	111038	1826.54	NMEA 0183	12	2
662297.8854	4051531.019	27,500	-1.752523676	-109.1855932	36.5954759	10/20/2012	111040	1826.37	NMEA 0183	12	2
662293.1933	4051533.849	27,500	-1.752523676	-109.185645	36.5955022	10/20/2012	111221	1826.85	NMEA 0183	12	2
662292.168	4051536.018	27,500	-1.752523676	-109.185656	36.59552192	10/20/2012	111224	1827	NMEA 0183	12	2
662274.1054	4051565.115	27,500	-1.752523676	-109.1858517	36.59578717	10/20/2012	111334	1827.11	NMEA 0183	12	2
662280.6484	4051547.98	27,500	-1.752523676	-109.1857822	36.59563167	10/20/2012	111407	1826.94	NMEA 0183	12	2
662285.9629	4051536.437	27,500	-1.752523676	-109.1857253	36.59552675	10/20/2012	111424	1826.32	NMEA 0183	12	2
662297.5024	4051514.02	27,500	-1.752523676	-109.185601	36.5953228	10/20/2012	111455	1825.25	NMEA 0183	12	2
662289.151	4051526.048	27,500	-1.752523676	-109.1856918	36.5954326	10/20/2012	111553	1825.6	NMEA 0183	12	2
662288.6519	4051527.68	27,500	-1.752523676	-109.1856971	36.59544738	10/20/2012	111555	1825.7	NMEA 0183	12	2
662288.5187	4051528.495	27,500	-1.752523676	-109.1856984	36.59545475	10/20/2012	111556	1825.73	NMEA 0183	12	2
662284.7063	4051522.023	27,500	-1.752523676	-109.1857423	36.59539708	10/20/2012	111812	1825.16	NMEA 0183	12	2
662284.7679	4051522.392	27,500	-1.752523676	-109.1857416	36.5954004	10/20/2012	111815	1825.39	NMEA 0183	12	2
662284.1399	4051521.054	27,500	-1.752523676	-109.1857489	36.59538845	10/20/2012	111923	1825.41	NMEA 0183	12	2
662278.7371	4051527.167	27,500	-1.752523676	-109.185808	36.59544445	10/20/2012	111941	1827.41	NMEA 0183	12	2
662271.8994	4051542.607	27,500	-1.752523676	-109.1858811	36.59558473	10/20/2012	112011	1827.09	NMEA 0183	12	2
662271.2384	4051544.83	27,500	-1.752523676	-109.185888	36.59560488	10/20/2012	112020	1827.18	NMEA 0183	12	2
662263.8896	4051557.952	27,500	-1.752523676	-109.1859674	36.59572437	10/20/2012	112131	1828.22	NMEA 0183	12	2
662269.0061	4051547.572	27,500	-1.752523676	-109.1859124	36.59562997	10/20/2012	112256	1827.71	NMEA 0183	12	2
662272.1164	4051542.248	27,500	-1.752523676	-109.1858788	36.59558147	10/20/2012	112306	1827.16	NMEA 0183	12	2
662277.7984	4051523.089	27,500	-1.752523676	-109.1858193	36.59540787	10/20/2012	112343	1826.18	NMEA 0183	12	2
662266.3219	4051532.929	27,500	-1.752523676	-109.1859455	36.59549848	10/20/2012	112529	1825.72	NMEA 0183	12	2
662268.4719	4051538.896	27,500	-1.752523676	-109.1859202	36.59555188	10/20/2012	112600	1826.53	NMEA 0183	12	2
662245.9419	4051552.133	27,500	-1.752523676	-109.1861692	36.59567498	10/20/2012	113107	1827.04	NMEA 0183	12	2
662223.8421	4051486.172	27,500	-1.752523676	-109.18643	36.5950844	10/20/2012	113330	1825.24	NMEA 0183	12	2
662239.768	4051494.095	27,500	-1.752523676	-109.1862504	36.59515308	10/20/2012	113608	1825	NMEA 0183	12	2
662241.8408	4051482.819	27,500	-1.752523676	-109.1862296	36.59505113	10/20/2012	113820	1824.77	NMEA 0183	12	2
662239.8261	4051472.294	27,500	-1.752523676	-109.1862543	36.59495663	10/20/2012	114011	1824.65	NMEA 0183	12	2
662251.5409	4051483.487	27,500	-1.752523676	-109.1861211	36.5950555	10/20/2012	114027	1824.76	NMEA 0183	12	2
662254.6723	4051488.109	27,500	-1.752523676	-109.1860851	36.59509662	10/20/2012	114032	1824.89	NMEA 0183	12	2
662271.4845	4051498.702	27,500	-1.752523676	-109.185895	36.5951892	10/20/2012	114244	1825.03	NMEA 0183	12	2
662281.2137	4051512.914	27,500	-1.752523676	-109.1857833	36.5953156	10/20/2012	114307	1825.28	NMEA 0183	12	2
662259.1419	4051479.524	27,500	-1.752523676	-109.186037	36.5950185	10/20/2012	114353	1824.61	NMEA 0183	12	2
662291.7854	4051503.125	27,500	-1.752523676	-109.1856672	36.5952256	10/20/2012	114757	1825.12	NMEA 0183	12	2
662328.7358	4051524.928	27,500	-1.752523676	-109.1852497	36.59541577	10/20/2012	114948	1825.91	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662294.7746	4051497.823	27,500	-1.752523676	-109.1856349	36.59517732	10/20/2012	115040	1825.05	NMEA 0183	12	2
662271.4388	4051481.294	27,500	-1.752523676	-109.1858992	36.59503235	10/20/2012	115115	1824.72	NMEA 0183	12	2
662262.086	4051477.162	27,600	-1.700489125	-109.1860046	36.59499672	10/20/2012	102447	1824.6	NMEA 0183	12	2
662261.3954	4051476.53	27,600	-1.700489125	-109.1860124	36.59499113	10/20/2012	102523	1825.11	NMEA 0183	12	2
662261.3747	4051476.522	27,600	-1.700489125	-109.1860127	36.59499107	10/20/2012	102524	1825.14	NMEA 0183	12	2
662264.403	4051471.755	27,600	-1.700489125	-109.1859798	36.5949476	10/20/2012	102555	1825.08	NMEA 0183	12	2
662264.2885	4051471.734	27,600	-1.700489125	-109.1859811	36.59494743	10/20/2012	102605	1825.09	NMEA 0183	12	2
662264.2978	4051471.797	27,600	-1.700489125	-109.185981	36.594948	10/20/2012	102611	1825.05	NMEA 0183	12	2
662267.5545	4051475.469	27,600	-1.700489125	-109.1859438	36.59498053	10/20/2012	102618	1825.12	NMEA 0183	12	2
662268.9656	4051477.2	27,600	-1.700489125	-109.1859277	36.59499588	10/20/2012	102620	1825.11	NMEA 0183	12	2
662272.1112	4051479.253	27,600	-1.700489125	-109.1858921	36.59501385	10/20/2012	102623	1825.05	NMEA 0183	12	2
662294.7488	4051496.106	27,600	-1.700489125	-109.1856356	36.59516185	10/20/2012	102650	1825.6	NMEA 0183	12	2
662328.3788	4051523.142	27,600	-1.700489125	-109.1852541	36.59539973	10/20/2012	102733	1826.19	NMEA 0183	12	2
662349.3718	4051541.848	27,600	-1.700489125	-109.1850156	36.59556472	10/20/2012	102802	1826.66	NMEA 0183	12	2
662352.3653	4051545.637	27,600	-1.700489125	-109.1849813	36.59559835	10/20/2012	102807	1827.15	NMEA 0183	12	2
662353.1609	4051548.995	27,600	-1.700489125	-109.1849717	36.59562847	10/20/2012	102818	1827.19	NMEA 0183	12	2
662327.4293	4051528.874	27,600	-1.700489125	-109.1852635	36.59545155	10/20/2012	102901	1826.04	NMEA 0183	12	2
662338.3481	4051541.69	27,600	-1.700489125	-109.1851388	36.59556517	10/20/2012	102922	1828.31	NMEA 0183	12	2
662345.4178	4051546.98	27,600	-1.700489125	-109.1850587	36.59561163	10/20/2012	102935	1827.28	NMEA 0183	12	2
662339.8208	4051552.557	27,600	-1.700489125	-109.18512	36.59566283	10/20/2012	103238	1828.54	NMEA 0183	12	2
662336.652	4051551.731	27,600	-1.700489125	-109.1851556	36.59565593	10/20/2012	103244	1827.67	NMEA 0183	12	2
662317.1326	4051531.525	27,600	-1.700489125	-109.185378	36.59547718	10/20/2012	103314	1826.92	NMEA 0183	12	2
662315.4638	4051530.568	27,600	-1.700489125	-109.1853968	36.59546885	10/20/2012	103316	1826.66	NMEA 0183	12	2
662314.8875	4051532.651	27,600	-1.700489125	-109.1854028	36.59548772	10/20/2012	103322	1827.14	NMEA 0183	12	2
662324.0997	4051542.407	27,600	-1.700489125	-109.1852978	36.59557405	10/20/2012	103342	1828.44	NMEA 0183	12	2
662317.4534	4051542.337	27,600	-1.700489125	-109.1853721	36.59557455	10/20/2012	103511	1826.5	NMEA 0183	12	2
662322.6976	4051559.074	27,600	-1.700489125	-109.18531	36.59572447	10/20/2012	103827	1826.97	NMEA 0183	12	2
662307.286	4051546.121	27,600	-1.700489125	-109.1854849	36.59561038	10/20/2012	104041	1826.83	NMEA 0183	12	2
662318.8378	4051576.438	27,600	-1.700489125	-109.1853495	36.59588158	10/20/2012	104539	1829.21	NMEA 0183	12	2
662329.5289	4051590.884	27,600	-1.700489125	-109.1852269	36.59600993	10/20/2012	105120	1830.51	NMEA 0183	12	2
662330.1363	4051590.944	27,600	-1.700489125	-109.1852201	36.59601037	10/20/2012	105210	1830.91	NMEA 0183	12	2
662330.1569	4051590.957	27,600	-1.700489125	-109.1852199	36.59601048	10/20/2012	105303	1830.74	NMEA 0183	12	2
662326.3551	4051602.17	27,600	-1.700489125	-109.18526	36.59611217	10/20/2012	105409	1830.85	NMEA 0183	12	2
662326.007	4051600.937	27,600	-1.700489125	-109.1852642	36.59610112	10/20/2012	105417	1830.56	NMEA 0183	12	2
662313.1004	4051565.52	27,600	-1.700489125	-109.1854159	36.59578418	10/20/2012	105642	1826.7	NMEA 0183	12	2
662315.2282	4051552.912	27,600	-1.700489125	-109.1853948	36.59567022	10/20/2012	105753	1826.46	NMEA 0183	12	2
662302.0547	4051575.294	27,600	-1.700489125	-109.1855372	36.59587413	10/20/2012	110140	1827.58	NMEA 0183	12	2
662301.2598	4051559.335	27,600	-1.700489125	-109.1855495	36.59573047	10/20/2012	110244	1826.76	NMEA 0183	12	2
662296.1317	4051564.169	27,600	-1.700489125	-109.1856058	36.5957749	10/20/2012	110346	1826.83	NMEA 0183	12	2
662299.0263	4051553.533	27,600	-1.700489125	-109.1855757	36.59567857	10/20/2012	110406	1826.57	NMEA 0183	12	2
662291.0865	4051569.116	27,600	-1.700489125	-109.1856611	36.59582033	10/20/2012	110454	1827.33	NMEA 0183	12	2
662288.0719	4051570.396	27,600	-1.700489125	-109.1856945	36.59583238	10/20/2012	110516	1827.6	NMEA 0183	12	2
662292.6234	4051554.867	27,600	-1.700489125	-109.1856469	36.59569168	10/20/2012	110539	1826.54	NMEA 0183	12	2
662312.7887	4051511.499	27,600	-1.700489125	-109.1854308	36.59529748	10/20/2012	110700	1826.75	NMEA 0183	12	2
662307.0634	4051524.655	27,600	-1.700489125	-109.185492	36.5955417	10/20/2012	110736	1826.18	NMEA 0183	12	2
662298.5141	4051541.161	27,600	-1.700489125	-109.185584	36.59556718	10/20/2012	110805	1827.01	NMEA 0183	12	2
662287.3711	4051555.142	27,600	-1.700489125	-109.1857056	36.59569505	10/20/2012	110832	1826.73	NMEA 0183	12	2
662282.447	4051569.793	27,600	-1.700489125	-109.1857575	36.5958279	10/20/2012	110854	1827.49	NMEA 0183	12	2
662306.9446	4051508.834	27,600	-1.700489125	-109.1854966	36.59527447	10/20/2012	111133	1826.16	NMEA 0183	12	2
662282.8088	4051550.79	27,600	-1.700489125	-109.1857575	36.59565662	10/20/2012	111248	1827.03	NMEA 0183	12	2
662278.6773	4051552.133	27,600	-1.700489125	-109.1858034	36.59566942	10/20/2012	111400	1827.01	NMEA 0183	12	2
662295.7568	4051517.842	27,600	-1.700489125	-109.1856197	36.59535753	10/20/2012	111450	1825.44	NMEA 0183	12	2
662291.6161	4051519.512	27,600	-1.700489125	-109.1856657	36.59537328	10/20/2012	111544	1825.35	NMEA 0183	12	2
662275.6598	4051546.852	27,600	-1.700489125	-109.1858382	36.59562235	10/20/2012	111735	1826.96	NMEA 0183	12	2
662278.9576	4051537.37	27,600	-1.700489125	-109.1858033	36.59553635	10/20/2012	111748	1826.09	NMEA 0183	12	2
662282.0926	4051531.214	27,600	-1.700489125	-109.1857696	36.59548035	10/20/2012	111756	1825.74	NMEA 0183	12	2
662284.0259	4051525.511	27,600	-1.700489125	-109.1857492	36.59542863	10/20/2012	111803	1825.34	NMEA 0183	12	2
662288.2368	4051517.83	27,600	-1.700489125	-109.1857038	36.5953587	10/20/2012	111824	1824.9	NMEA 0183	12	2
662271.2443	4051544.836	27,600	-1.700489125	-109.185888	36.59560493	10/20/2012	112026	1827.13	NMEA 0183	12	2
662263.1252	4051559.334	27,600	-1.700489125	-109.1859756	36.59573695	10/20/2012	112133	1828.34	NMEA 0183	12	2
662277.4682	4051523.514	27,600	-1.700489125	-109.1858229	36.59541175	10/20/2012	112342	1826.38	NMEA 0183	12	2
662283.1755	4051508.304	27,600	-1.700489125	-109.1857623	36.59527373	10/20/2012	112404	1825.13	NMEA 0183	12	2
662288.6095	4051500.858	27,600	-1.700489125	-109.1857032	36.59520572	10/20/2012	112417	1824.85	NMEA 0183	12	2
662287.2967	4051497.793	27,600	-1.700489125	-109.1857185	36.59517832	10/20/2012	112435	1824.95	NMEA 0183	12	2
662266.3535	4051533.625	27,600	-1.700489125	-109.185945	36.59550475	10/20/2012	112530	1825.79	NMEA 0183	12	2
662268.5047	4051538.897	27,600	-1.700489125	-109.1859198	36.59555188	10/20/2012	112601	1826.46	NMEA 0183	12	2
662246.0039	4051552.008	27,600	-1.700489125	-109.1861685	36.59567385	10/20/2012	113113	1826.79	NMEA 0183	12	2
662245.8495	4051552.207	27,600	-1.700489125	-109.1861702	36.59567567	10/20/2012	113118	1826.74	NMEA 0183	12	2
662229.2232	4051496.141	27,600	-1.700489125	-109.1863678	36.59517332	10/20/2012	113340	1825.46	NMEA 0183	12	2
662234.2634	4051495.881	27,600	-1.700489125	-109.1863115	36.59517012	10/20/2012	113533	1825.47	NMEA 0183	12	2
662250.8244	4051482.491	27,600	-1.700489125	-109.1861293	36.59504665	10/20/2012	114026	1824.88	NMEA 0183	12	2
662259.1575	4051487.147	27,600	-1.700489125	-109.1860352	36.59508718	10/20/2012	114149	1824.64	NMEA 0183	12	2
662265.2537	4051492.023	27,600	-1.700489125	-109.185966	36.59513008	10/20/2012	114235	1824.92	NMEA 0183	12	2
662257.4059	4051476.752	27,600	-1.700489125	-109.186057	36.59499382	10/20/2012	114356	1824.53	NMEA 0183	12	2
662254.6181	4051467.836	27,600	-1.700489125	-109.18609	36.59491395	10/20/2012	114418	1824.31	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662280.6779	4051498.555	27,600	-1.700489125	-109.1857923	36.59518632	10/20/2012	114459	1824.99	NMEA 0183	12	2
662306.7508	4051517.437	27,600	-1.700489125	-109.185497	36.59535202	10/20/2012	114819	1826.22	NMEA 0183	12	2
662306.9553	4051532.751	27,600	-1.700489125	-109.1854915	36.59548997	10/20/2012	114844	1826.35	NMEA 0183	12	2
662307.7024	4051538.444	27,600	-1.700489125	-109.1854819	36.59554113	10/20/2012	114853	1826.35	NMEA 0183	12	2
662327.3501	4051521.537	27,600	-1.700489125	-109.1852659	36.59538545	10/20/2012	114952	1825.79	NMEA 0183	12	2
662279.915	4051485.564	27,600	-1.700489125	-109.1858036	36.59506938	10/20/2012	115106	1824.95	NMEA 0183	12	2
662262.1574	4051477.251	27,700	-1.648454574	-109.1860038	36.5949975	10/20/2012	102432	1824.71	NMEA 0183	12	2
662264.3104	4051471.759	27,700	-1.648454574	-109.1859809	36.59494765	10/20/2012	102602	1825.08	NMEA 0183	12	2
662270.9704	4051478.691	27,700	-1.648454574	-109.185905	36.59500898	10/20/2012	102622	1825.07	NMEA 0183	12	2
662296.6605	4051497.551	27,700	-1.648454574	-109.1856139	36.59517455	10/20/2012	102652	1825.7	NMEA 0183	12	2
662299.6985	4051499.379	27,700	-1.648454574	-109.1855796	36.5951905	10/20/2012	102655	1825.53	NMEA 0183	12	2
662321.772	4051516.872	27,700	-1.648454574	-109.1853292	36.59534437	10/20/2012	102724	1825.93	NMEA 0183	12	2
662326.2324	4051521.172	27,700	-1.648454574	-109.1852785	36.59538235	10/20/2012	102730	1826.03	NMEA 0183	12	2
662352.776	4051546.237	27,700	-1.648454574	-109.1849766	36.59560368	10/20/2012	102808	1827.32	NMEA 0183	12	2
662352.2264	4051548.644	27,700	-1.648454574	-109.1849822	36.59562547	10/20/2012	102819	1827.04	NMEA 0183	12	2
662337.3479	4051534	27,700	-1.648454574	-109.1851516	36.59549605	10/20/2012	102843	1827.45	NMEA 0183	12	2
662327.8737	4051529.512	27,700	-1.648454574	-109.1852584	36.59545722	10/20/2012	102903	1826.14	NMEA 0183	12	2
662349.8391	4051552.406	27,700	-1.648454574	-109.1850081	36.59565977	10/20/2012	102947	1827.16	NMEA 0183	12	2
662325.3452	4051532.296	27,700	-1.648454574	-109.1852861	36.59548273	10/20/2012	103115	1826.42	NMEA 0183	12	2
662322.662	4051529.927	27,700	-1.648454574	-109.1853165	36.59546185	10/20/2012	103118	1826.34	NMEA 0183	12	2
662324.1279	4051533.571	27,700	-1.648454574	-109.1852994	36.59549443	10/20/2012	103133	1826.76	NMEA 0183	12	2
662317.5416	4051535.694	27,700	-1.648454574	-109.1853725	36.59551468	10/20/2012	103329	1827.3	NMEA 0183	12	2
662344.0503	4051561.815	27,700	-1.648454574	-109.1850708	36.59574553	10/20/2012	103422	1827.98	NMEA 0183	12	2
662344.0917	4051561.753	27,700	-1.648454574	-109.1850704	36.59574497	10/20/2012	103423	1828.22	NMEA 0183	12	2
662330.5446	4051555.902	27,700	-1.648454574	-109.185223	36.59569455	10/20/2012	103445	1827.79	NMEA 0183	12	2
662318.88	4051545.458	27,700	-1.648454574	-109.1853555	36.59560243	10/20/2012	103532	1826.39	NMEA 0183	12	2
662304.7469	4051538.649	27,700	-1.648454574	-109.1855149	36.59554348	10/20/2012	103802	1826.32	NMEA 0183	12	2
662306.3102	4051539.977	27,700	-1.648454574	-109.1854971	36.59555518	10/20/2012	103804	1826.4	NMEA 0183	12	2
662329.7341	4051581.122	27,700	-1.648454574	-109.1852267	36.59592193	10/20/2012	104206	1830.49	NMEA 0183	12	2
662317.3033	4051562.999	27,700	-1.648454574	-109.1853694	36.59576075	10/20/2012	104236	1827.1	NMEA 0183	12	2
662329.3651	4051591.26	27,700	-1.648454574	-109.1852287	36.59601335	10/20/2012	105031	1831	NMEA 0183	12	2
662329.3337	4051591.265	27,700	-1.648454574	-109.185229	36.5960134	10/20/2012	105051	1830.99	NMEA 0183	12	2
662329.3114	4051595.604	27,700	-1.648454574	-109.1852284	36.5960525	10/20/2012	105339	1830.92	NMEA 0183	12	2
662315.2636	4051552.933	27,700	-1.648454574	-109.1853944	36.5956704	10/20/2012	105731	1826.47	NMEA 0183	12	2
662315.2341	4051552.916	27,700	-1.648454574	-109.1853947	36.59567025	10/20/2012	105745	1826.44	NMEA 0183	12	2
662306.2694	4051574.203	27,700	-1.648454574	-109.1854904	36.59586358	10/20/2012	110012	1827.74	NMEA 0183	12	2
662307.8795	4051570.608	27,700	-1.648454574	-109.1854731	36.59583092	10/20/2012	110019	1827.9	NMEA 0183	12	2
662305.3133	4051560.462	27,700	-1.648454574	-109.185504	36.59573993	10/20/2012	110209	1826.96	NMEA 0183	12	2
662298.3652	4051570.528	27,700	-1.648454574	-109.1855795	36.59583182	10/20/2012	110312	1827.48	NMEA 0183	12	2
662298.4549	4051572.492	27,700	-1.648454574	-109.1855781	36.5958495	10/20/2012	110315	1827.78	NMEA 0183	12	2
662296.5541	4051573.868	27,700	-1.648454574	-109.185599	36.59586222	10/20/2012	110326	1828.21	NMEA 0183	12	2
662299.9067	4051548.535	27,700	-1.648454574	-109.1855669	36.59563338	10/20/2012	110418	1826.42	NMEA 0183	12	2
662291.8669	4051560.569	27,700	-1.648454574	-109.1856542	36.59574318	10/20/2012	110531	1826.69	NMEA 0183	12	2
662292.1499	4051555.535	27,700	-1.648454574	-109.1856521	36.59569778	10/20/2012	110538	1826.5	NMEA 0183	12	2
662295.1761	4051549.855	27,700	-1.648454574	-109.1856195	36.59564608	10/20/2012	110546	1826.49	NMEA 0183	12	2
662299.0945	4051540.599	27,700	-1.648454574	-109.1855776	36.59556202	10/20/2012	110600	1826.76	NMEA 0183	12	2
662312.1164	4051512.114	27,700	-1.648454574	-109.1854381	36.59530313	10/20/2012	110705	1826.7	NMEA 0183	12	2
662308.877	4051518.264	27,700	-1.648454574	-109.185473	36.5953591	10/20/2012	110717	1826.12	NMEA 0183	12	2
662307.7648	4051524.556	27,700	-1.648454574	-109.1854841	36.59541598	10/20/2012	110735	1826.18	NMEA 0183	12	2
662287.0959	4051555.734	27,700	-1.648454574	-109.1857085	36.59570043	10/20/2012	110833	1826.79	NMEA 0183	12	2
662283.7734	4051564.16	27,700	-1.648454574	-109.1857439	36.59577692	10/20/2012	110845	1827.04	NMEA 0183	12	2
662280.933	4051567.189	27,700	-1.648454574	-109.185775	36.5958047	10/20/2012	110942	1827.17	NMEA 0183	12	2
662289.6858	4051541.013	27,700	-1.648454574	-109.1856827	36.59556735	10/20/2012	111024	1827.31	NMEA 0183	12	2
662272.8729	4051567.431	27,700	-1.648454574	-109.185865	36.59580825	10/20/2012	111330	1827.45	NMEA 0183	12	2
662273.3406	4051561.619	27,700	-1.648454574	-109.185861	36.5957558	10/20/2012	111640	1826.96	NMEA 0183	12	2
662268.2306	4051564.31	27,700	-1.648454574	-109.1859175	36.59578092	10/20/2012	111710	1827.3	NMEA 0183	12	2
662284.8338	4051522.142	27,700	-1.648454574	-109.1857409	36.59539813	10/20/2012	111816	1825.37	NMEA 0183	12	2
662290.279	4051513.706	27,700	-1.648454574	-109.1856818	36.5953212	10/20/2012	111830	1824.76	NMEA 0183	12	2
662278.463	4051527.467	27,700	-1.648454574	-109.185811	36.5954472	10/20/2012	111942	1827.45	NMEA 0183	12	2
662271.3839	4051544.552	27,700	-1.648454574	-109.1858865	36.59560235	10/20/2012	112015	1827.26	NMEA 0183	12	2
662271.2582	4051545.6	27,700	-1.648454574	-109.1858876	36.59561182	10/20/2012	112053	1827.34	NMEA 0183	12	2
662271.3238	4051545.838	27,700	-1.648454574	-109.1858869	36.59561395	10/20/2012	112110	1827.48	NMEA 0183	12	2
662271.2983	4051545.843	27,700	-1.648454574	-109.1858871	36.595614	10/20/2012	112113	1827.51	NMEA 0183	12	2
662261.7837	4051556.603	27,700	-1.648454574	-109.1859912	36.59571257	10/20/2012	112240	1829.44	NMEA 0183	12	2
662280.6579	4051508.144	27,700	-1.648454574	-109.1857905	36.59527272	10/20/2012	112450	1825.08	NMEA 0183	12	2
662266.184	4051532.175	27,700	-1.648454574	-109.1859472	36.59549172	10/20/2012	112528	1825.58	NMEA 0183	12	2
662265.3241	4051541.225	27,700	-1.648454574	-109.1859549	36.5955734	10/20/2012	112621	1826.34	NMEA 0183	12	2
662250.4957	4051563.655	27,700	-1.648454574	-109.1861158	36.59577803	10/20/2012	112819	1826.87	NMEA 0183	12	2
662250.494	4051563.662	27,700	-1.648454574	-109.1861159	36.5957781	10/20/2012	112820	1826.87	NMEA 0183	12	2
662246.0387	4051551.983	27,700	-1.648454574	-109.1861681	36.59567362	10/20/2012	113116	1826.75	NMEA 0183	12	2
662249.0249	4051519.816	27,700	-1.648454574	-109.1861415	36.59538327	10/20/2012	113213	1826	NMEA 0183	12	2
662236.9991	4051504.005	27,700	-1.648454574	-109.1862792	36.59524285	10/20/2012	113234	1825.68	NMEA 0183	12	2
662224.3849	4051494.158	27,700	-1.648454574	-109.1864223	36.59515627	10/20/2012	113313	1825.49	NMEA 0183	12	2
662230.3043	4051497.258	27,700	-1.648454574	-109.1863555	36.5951832	10/20/2012	113342	1825.7	NMEA 0183	12	2
662241.3455	4051504.394	27,700	-1.648454574	-109.1862306	36.59524562	10/20/2012	113356	1825.53	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662226.6295	4051484.763	27,700	-1.648454574	-109.1863992	36.59507123	10/20/2012	113546	1825.04	NMEA 0183	12	2
662244.6514	4051486.814	27,700	-1.648454574	-109.1861974	36.59508665	10/20/2012	113825	1824.85	NMEA 0183	12	2
662267.4418	4051510.902	27,700	-1.648454574	-109.1859376	36.59529982	10/20/2012	113921	1825.56	NMEA 0183	12	2
662260.9794	4051502.436	27,700	-1.648454574	-109.1860116	36.59522463	10/20/2012	113931	1825.41	NMEA 0183	12	2
662256.5483	4051481.334	27,700	-1.648454574	-109.1860656	36.59503525	10/20/2012	114223	1824.67	NMEA 0183	12	2
662251.2502	4051470.204	27,700	-1.648454574	-109.1861271	36.59493587	10/20/2012	114405	1824.41	NMEA 0183	12	2
662283.6019	4051497.812	27,700	-1.648454574	-109.1857598	36.59517912	10/20/2012	114719	1824.92	NMEA 0183	12	2
662309.8563	4051519.954	27,700	-1.648454574	-109.1854617	36.59537417	10/20/2012	114823	1826.33	NMEA 0183	12	2
662311.2661	4051522.861	27,700	-1.648454574	-109.1854454	36.59540012	10/20/2012	114827	1826.17	NMEA 0183	12	2
662311.4407	4051523.959	27,700	-1.648454574	-109.1854432	36.59540998	10/20/2012	114829	1826.13	NMEA 0183	12	2
662310.9685	4051524.955	27,700	-1.648454574	-109.1854483	36.59541903	10/20/2012	114835	1826.09	NMEA 0183	12	2
662307.007	4051538.86	27,700	-1.648454574	-109.1854896	36.5955545	10/20/2012	114852	1826.44	NMEA 0183	12	2
662282.7432	4051487.6	27,700	-1.648454574	-109.1857715	36.59508725	10/20/2012	115103	1825.28	NMEA 0183	12	2
662262.0959	4051477.19	27,800	-1.596420023	-109.1860045	36.59499697	10/20/2012	102456	1824.57	NMEA 0183	12	2
662261.443	4051476.617	27,800	-1.596420023	-109.1860119	36.59499192	10/20/2012	102533	1825.2	NMEA 0183	12	2
662264.4233	4051471.785	27,800	-1.596420023	-109.1859796	36.59494787	10/20/2012	102554	1825.11	NMEA 0183	12	2
662284.6024	4051486.927	27,800	-1.596420023	-109.1857509	36.59508087	10/20/2012	102638	1825.38	NMEA 0183	12	2
662335.8533	4051529.981	27,800	-1.596420023	-109.1851691	36.59546008	10/20/2012	102744	1826.45	NMEA 0183	12	2
662335.7611	4051539.601	27,800	-1.596420023	-109.1851681	36.59554678	10/20/2012	102917	1828.35	NMEA 0183	12	2
662327.5624	4051534.463	27,800	-1.596420023	-109.1852608	36.59550188	10/20/2012	103112	1826.65	NMEA 0183	12	2
662326.0456	4051535.248	27,800	-1.596420023	-109.1852776	36.59550922	10/20/2012	103136	1826.65	NMEA 0183	12	2
662336.5202	4051547.578	27,800	-1.596420023	-109.185158	36.59561853	10/20/2012	103155	1828.03	NMEA 0183	12	2
662341.7443	4051552.109	27,800	-1.596420023	-109.1850986	36.59565847	10/20/2012	103209	1828.15	NMEA 0183	12	2
662347.8958	4051558.795	27,800	-1.596420023	-109.1850285	36.59571767	10/20/2012	103222	1827.11	NMEA 0183	12	2
662315.1975	4051533.06	27,800	-1.596420023	-109.1853993	36.59549135	10/20/2012	103323	1827.45	NMEA 0183	12	2
662342.356	4051564.891	27,800	-1.596420023	-109.1850891	36.59577353	10/20/2012	103621	1828.55	NMEA 0183	12	2
662312.685	4051543.525	27,800	-1.596420023	-109.1854252	36.59558607	10/20/2012	103750	1826.12	NMEA 0183	12	2
662311.8479	4051543.701	27,800	-1.596420023	-109.1854345	36.5955878	10/20/2012	103810	1826.46	NMEA 0183	12	2
662313.4046	4051558.258	27,800	-1.596420023	-109.185414	36.5957187	10/20/2012	104241	1826.73	NMEA 0183	12	2
662321.7743	4051580.553	27,800	-1.596420023	-109.1853158	36.59591817	10/20/2012	104530	1829.38	NMEA 0183	12	2
662319.2004	4051592.378	27,800	-1.596420023	-109.185342	36.59602515	10/20/2012	104729	1830.48	NMEA 0183	12	2
662314.9846	4051552.861	27,800	-1.596420023	-109.1853975	36.5956698	10/20/2012	105720	1826.46	NMEA 0183	12	2
662314.9814	4051552.868	27,800	-1.596420023	-109.1853975	36.59566987	10/20/2012	105723	1826.47	NMEA 0183	12	2
662315.2176	4051552.923	27,800	-1.596420023	-109.1853949	36.59567032	10/20/2012	105732	1826.45	NMEA 0183	12	2
662315.2317	4051552.886	27,800	-1.596420023	-109.1853947	36.59566998	10/20/2012	105803	1826.52	NMEA 0183	12	2
662315.1986	4051552.898	27,800	-1.596420023	-109.1853951	36.5956701	10/20/2012	105823	1826.55	NMEA 0183	12	2
662306.0763	4051575.109	27,800	-1.596420023	-109.1854923	36.59587178	10/20/2012	110010	1827.81	NMEA 0183	12	2
662308.4629	4051568.148	27,800	-1.596420023	-109.1854671	36.59580865	10/20/2012	110024	1827.44	NMEA 0183	12	2
662307.0156	4051553.802	27,800	-1.596420023	-109.1854863	36.59567963	10/20/2012	110221	1827.1	NMEA 0183	12	2
662305.7216	4051551.084	27,800	-1.596420023	-109.1855014	36.59565537	10/20/2012	110228	1827.13	NMEA 0183	12	2
662300.8436	4051564.397	27,800	-1.596420023	-109.1855331	36.59577615	10/20/2012	110256	1827.23	NMEA 0183	12	2
662299.3014	4051569.606	27,800	-1.596420023	-109.1855692	36.59582335	10/20/2012	110310	1827.5	NMEA 0183	12	2
662298.7406	4051573.003	27,800	-1.596420023	-109.1855748	36.59585405	10/20/2012	110316	1827.84	NMEA 0183	12	2
662296.2264	4051552.05	27,800	-1.596420023	-109.1856073	36.59566568	10/20/2012	110427	1826.54	NMEA 0183	12	2
662294.8423	4051555.366	27,800	-1.596420023	-109.185622	36.5956958	10/20/2012	110435	1826.6	NMEA 0183	12	2
662288.2547	4051573.985	27,800	-1.596420023	-109.1856917	36.59586468	10/20/2012	110510	1827.92	NMEA 0183	12	2
662288.3311	4051573.257	27,800	-1.596420023	-109.185691	36.59585812	10/20/2012	110511	1827.79	NMEA 0183	12	2
662300.5542	4051538.257	27,800	-1.596420023	-109.1855618	36.59554067	10/20/2012	110604	1826.6	NMEA 0183	12	2
662294.1942	4051545.295	27,800	-1.596420023	-109.1856314	36.59560517	10/20/2012	110815	1827.24	NMEA 0183	12	2
662293.4121	4051546.115	27,800	-1.596420023	-109.18564	36.59561268	10/20/2012	110817	1826.98	NMEA 0183	12	2
662278.8199	4051568.675	27,800	-1.596420023	-109.1857983	36.59581845	10/20/2012	110938	1827.26	NMEA 0183	12	2
662303.6714	4051519.701	27,800	-1.596420023	-109.1855309	36.59537293	10/20/2012	111100	1826.54	NMEA 0183	12	2
662300.2582	4051519.102	27,800	-1.596420023	-109.1855692	36.59536812	10/20/2012	111158	1826.4	NMEA 0183	12	2
662296.2042	4051528.344	27,800	-1.596420023	-109.1856125	36.59545208	10/20/2012	111213	1826.78	NMEA 0183	12	2
662289.8375	4051539.692	27,800	-1.596420023	-109.1856813	36.59555542	10/20/2012	111230	1827.58	NMEA 0183	12	2
662277.2444	4051563.96	27,800	-1.596420023	-109.1858169	36.59577623	10/20/2012	111306	1827.03	NMEA 0183	12	2
662275.3384	4051562.607	27,800	-1.596420023	-109.1858385	36.59576437	10/20/2012	111341	1827.01	NMEA 0183	12	2
662277.529	4051554.1	27,800	-1.596420023	-109.1858158	36.59568733	10/20/2012	111357	1826.98	NMEA 0183	12	2
662287.658	4051533.63	27,800	-1.596420023	-109.1857069	36.59550117	10/20/2012	111428	1826.16	NMEA 0183	12	2
662290.1577	4051530.555	27,800	-1.596420023	-109.1856796	36.59547303	10/20/2012	111433	1825.94	NMEA 0183	12	2
662282.1989	4051540.2	27,800	-1.596420023	-109.1857665	36.5955613	10/20/2012	111613	1826.76	NMEA 0183	12	2
662278.5838	4051538.131	27,800	-1.596420023	-109.1858074	36.59554327	10/20/2012	111747	1826.11	NMEA 0183	12	2
662280.0886	4051535.133	27,800	-1.596420023	-109.1857912	36.5955516	10/20/2012	111751	1825.93	NMEA 0183	12	2
662289.7081	4051515.9	27,800	-1.596420023	-109.1856877	36.59534107	10/20/2012	111827	1824.93	NMEA 0183	12	2
662271.5259	4051544.138	27,800	-1.596420023	-109.185885	36.5955986	10/20/2012	112014	1827.21	NMEA 0183	12	2
662264.3976	4051557.275	27,800	-1.596420023	-109.1859618	36.59571818	10/20/2012	112130	1828.13	NMEA 0183	12	2
662272.9673	4051535.968	27,800	-1.596420023	-109.1858706	36.59552473	10/20/2012	112315	1827.37	NMEA 0183	12	2
662288.052	4051501.316	27,800	-1.596420023	-109.1857093	36.59520993	10/20/2012	112416	1824.86	NMEA 0183	12	2
662292.1002	4051498.066	27,800	-1.596420023	-109.1856648	36.59517997	10/20/2012	112424	1824.81	NMEA 0183	12	2
662268.3724	4051538.715	27,800	-1.596420023	-109.1859213	36.59555027	10/20/2012	112557	1826.47	NMEA 0183	12	2
662250.4213	4051563.726	27,800	-1.596420023	-109.1861167	36.59577868	10/20/2012	112817	1826.84	NMEA 0183	12	2
662245.8033	4051552.442	27,800	-1.596420023	-109.1861706	36.5956778	10/20/2012	113101	1826.43	NMEA 0183	12	2
662246.0312	4051551.986	27,800	-1.596420023	-109.1861682	36.59567365	10/20/2012	113115	1826.75	NMEA 0183	12	2
662245.3495	4051552.623	27,800	-1.596420023	-109.1861757	36.5956795	10/20/2012	113131	1826.41	NMEA 0183	12	2
662256.7258	4051525.253	27,800	-1.596420023	-109.1860543	36.59543095	10/20/2012	113419	1825.53	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662232.9796	4051494.755	27,800	-1.596420023	-109.1863261	36.59516018	10/20/2012	113535	1825.63	NMEA 0183	12	2
662254.0526	4051510.821	27,800	-1.596420023	-109.1860872	36.59530137	10/20/2012	113629	1825.2	NMEA 0183	12	2
662242.9473	4051484.411	27,800	-1.596420023	-109.1862169	36.59506528	10/20/2012	113822	1824.88	NMEA 0183	12	2
662259.8735	4051488.171	27,800	-1.596420023	-109.186027	36.59509628	10/20/2012	114148	1824.74	NMEA 0183	12	2
662258.4386	4051486.199	27,800	-1.596420023	-109.1860434	36.59507877	10/20/2012	114150	1824.69	NMEA 0183	12	2
662253.2212	4051479.964	27,800	-1.596420023	-109.186103	36.59502347	10/20/2012	114157	1824.7	NMEA 0183	12	2
662251.114	4051475.05	27,800	-1.596420023	-109.1861276	36.59497955	10/20/2012	114215	1824.57	NMEA 0183	12	2
662259.9863	4051484.566	27,800	-1.596420023	-109.1860265	36.59506378	10/20/2012	114227	1824.69	NMEA 0183	12	2
662266.4215	4051493.688	27,800	-1.596420023	-109.1859526	36.59514488	10/20/2012	114237	1824.9	NMEA 0183	12	2
662259.245	4051474.219	27,800	-1.596420023	-109.1860369	36.59497068	10/20/2012	114426	1824.48	NMEA 0183	12	2
662287.4262	4051507.759	27,800	-1.596420023	-109.185715	36.5952681	10/20/2012	114515	1825.17	NMEA 0183	12	2
662278.3958	4051490.66	27,800	-1.596420023	-109.1858195	36.59511557	10/20/2012	114538	1824.64	NMEA 0183	12	2
662280.6213	4051489.154	27,800	-1.596420023	-109.1857949	36.59510162	10/20/2012	114644	1824.64	NMEA 0183	12	2
662316.164	4051521.213	27,800	-1.596420023	-109.185391	36.59538443	10/20/2012	114918	1826.12	NMEA 0183	12	2
662317.9685	4051518.147	27,800	-1.596420023	-109.1853715	36.5953565	10/20/2012	114923	1825.99	NMEA 0183	12	2
662325.8116	4051520.158	27,800	-1.596420023	-109.1852834	36.59537328	10/20/2012	114954	1825.78	NMEA 0183	12	2
662315.2763	4051512.462	27,800	-1.596420023	-109.1854028	36.59530573	10/20/2012	115009	1825.77	NMEA 0183	12	2
662305.9214	4051505.835	27,800	-1.596420023	-109.1855087	36.59524762	10/20/2012	115023	1825.86	NMEA 0183	12	2
662262.1026	4051477.151	27,900	-1.544385472	-109.1860044	36.59499662	10/20/2012	102448	1824.58	NMEA 0183	12	2
662261.4386	4051476.771	27,900	-1.544385472	-109.1860119	36.5949933	10/20/2012	102511	1825.02	NMEA 0183	12	2
662261.3667	4051476.468	27,900	-1.544385472	-109.1860128	36.59499058	10/20/2012	102528	1825.17	NMEA 0183	12	2
662262.6893	4051475.701	27,900	-1.544385472	-109.1859981	36.59498345	10/20/2012	102541	1825.2	NMEA 0183	12	2
662264.3854	4051471.736	27,900	-1.544385472	-109.18598	36.59494743	10/20/2012	102550	1825.13	NMEA 0183	12	2
662278.5302	4051539.881	27,900	-1.544385472	-109.1858196	36.59504645	10/20/2012	102630	1825.2	NMEA 0183	12	2
662288.1861	4051489.475	27,900	-1.544385472	-109.1857103	36.59510322	10/20/2012	102642	1825.47	NMEA 0183	12	2
662353.5677	4051548.15	27,900	-1.544385472	-109.1849673	36.59562078	10/20/2012	102811	1827.45	NMEA 0183	12	2
662327.8784	4051529.417	27,900	-1.544385472	-109.1852584	36.59545637	10/20/2012	102902	1826.13	NMEA 0183	12	2
662342.2695	4051544.206	27,900	-1.544385472	-109.1850944	36.59558717	10/20/2012	102928	1827.81	NMEA 0183	12	2
662342.2849	4051546.707	27,900	-1.544385472	-109.1850937	36.5956097	10/20/2012	103013	1827.6	NMEA 0183	12	2
662339.9312	4051545.843	27,900	-1.544385472	-109.1851202	36.59560232	10/20/2012	103053	1828.57	NMEA 0183	12	2
662334.2165	4051539.881	27,900	-1.544385472	-109.1851853	36.59554957	10/20/2012	103102	1828.31	NMEA 0183	12	2
662338.1264	4051549.799	27,900	-1.544385472	-109.1851395	36.59563827	10/20/2012	103201	1828.29	NMEA 0183	12	2
662314.6629	4051530.487	27,900	-1.544385472	-109.1854058	36.59546825	10/20/2012	103317	1826.65	NMEA 0183	12	2
662333.8179	4051553.563	27,900	-1.544385472	-109.1851869	36.59567292	10/20/2012	103358	1827.67	NMEA 0183	12	2
662321.3193	4051544.472	27,900	-1.544385472	-109.1853285	36.59559313	10/20/2012	103506	1826.96	NMEA 0183	12	2
662335.0201	4051566.43	27,900	-1.544385472	-109.1851707	36.59578865	10/20/2012	103712	1827.16	NMEA 0183	12	2
662310.1628	4051541.635	27,900	-1.544385472	-109.1854537	36.59556947	10/20/2012	103753	1826.39	NMEA 0183	12	2
662308.0927	4051547.154	27,900	-1.544385472	-109.1854757	36.59561955	10/20/2012	104042	1826.92	NMEA 0183	12	2
662330.3878	4051575.888	27,900	-1.544385472	-109.1852205	36.59587467	10/20/2012	104121	1829.35	NMEA 0183	12	2
662318.1014	4051563.541	27,900	-1.544385472	-109.1853604	36.5957655	10/20/2012	104235	1827.35	NMEA 0183	12	2
662308.1592	4051552.085	27,900	-1.544385472	-109.1854739	36.59566397	10/20/2012	104248	1826.83	NMEA 0183	12	2
662320.4347	4051586.175	27,900	-1.544385472	-109.1853296	36.59596905	10/20/2012	104631	1830.26	NMEA 0183	12	2
662328.6297	4051591.664	27,900	-1.544385472	-109.1852368	36.59601712	10/20/2012	105005	1831.06	NMEA 0183	12	2
662312.8388	4051561.914	27,900	-1.544385472	-109.1854196	36.59575173	10/20/2012	105649	1826.52	NMEA 0183	12	2
662314.8718	4051553.225	27,900	-1.544385472	-109.1853987	36.5956731	10/20/2012	105706	1826.37	NMEA 0183	12	2
662315.2356	4051552.916	27,900	-1.544385472	-109.1853947	36.59567025	10/20/2012	105733	1826.45	NMEA 0183	12	2
662315.2372	4051552.908	27,900	-1.544385472	-109.1853947	36.59567018	10/20/2012	105734	1826.44	NMEA 0183	12	2
662315.2465	4051552.89	27,900	-1.544385472	-109.1853946	36.59567002	10/20/2012	105800	1826.59	NMEA 0183	12	2
662315.2074	4051552.908	27,900	-1.544385472	-109.185395	36.59567018	10/20/2012	105822	1826.51	NMEA 0183	12	2
662315.1554	4051552.899	27,900	-1.544385472	-109.1853956	36.59567012	10/20/2012	105839	1826.48	NMEA 0183	12	2
662314.6328	4051552.614	27,900	-1.544385472	-109.1854015	36.59566763	10/20/2012	105910	1826.48	NMEA 0183	12	2
662301.9142	4051575.626	27,900	-1.544385472	-109.1855387	36.59587715	10/20/2012	110139	1827.71	NMEA 0183	12	2
662299.185	4051564.001	27,900	-1.544385472	-109.1855717	36.59577287	10/20/2012	110252	1827.07	NMEA 0183	12	2
662295.934	4051563.265	27,900	-1.544385472	-109.1856082	36.59576678	10/20/2012	110349	1826.86	NMEA 0183	12	2
662300.998	4051549.034	27,900	-1.544385472	-109.1855546	36.5956377	10/20/2012	110414	1826.49	NMEA 0183	12	2
662297.8536	4051550.312	27,900	-1.544385472	-109.1855895	36.59564975	10/20/2012	110423	1826.58	NMEA 0183	12	2
662291.2504	4051570.784	27,900	-1.544385472	-109.1856589	36.59583533	10/20/2012	110458	1827.58	NMEA 0183	12	2
662291.7013	4051562.071	27,900	-1.544385472	-109.1856557	36.59575675	10/20/2012	110529	1826.77	NMEA 0183	12	2
662296.0918	4051547.251	27,900	-1.544385472	-109.1856098	36.59562247	10/20/2012	110549	1826.52	NMEA 0183	12	2
662307.1585	4051525.702	27,900	-1.544385472	-109.1854907	36.59542642	10/20/2012	110625	1826.18	NMEA 0183	12	2
662311.1297	4051519.657	27,900	-1.544385472	-109.1854476	36.59537127	10/20/2012	110636	1826.22	NMEA 0183	12	2
662312.8758	4051511.469	27,900	-1.544385472	-109.1854298	36.5952972	10/20/2012	110702	1826.75	NMEA 0183	12	2
662311.7026	4051512.777	27,900	-1.544385472	-109.1854426	36.59530918	10/20/2012	110707	1826.73	NMEA 0183	12	2
662310.0072	4051519.31	27,900	-1.544385472	-109.1854602	36.59536833	10/20/2012	110724	1826.29	NMEA 0183	12	2
662289.2041	4051551.669	27,900	-1.544385472	-109.1856858	36.59566345	10/20/2012	110827	1826.7	NMEA 0183	12	2
662282.9466	4051570.111	27,900	-1.544385472	-109.1857519	36.59583068	10/20/2012	110855	1827.56	NMEA 0183	12	2
662299.1496	4051528.126	27,900	-1.544385472	-109.1855797	36.59544962	10/20/2012	111044	1826.16	NMEA 0183	12	2
662300.9559	4051525.198	27,900	-1.544385472	-109.1855601	36.59542293	10/20/2012	111049	1826.32	NMEA 0183	12	2
662305.9953	4051507.292	27,900	-1.544385472	-109.1855076	36.59526073	10/20/2012	111141	1825.97	NMEA 0183	12	2
662301.668	4051513.32	27,900	-1.544385472	-109.1855546	36.59531578	10/20/2012	111150	1825.84	NMEA 0183	12	2
662299.0209	4051524.435	27,900	-1.544385472	-109.1855819	36.59541638	10/20/2012	111206	1826.34	NMEA 0183	12	2
662293.5201	4051533.134	27,900	-1.544385472	-109.1856415	36.5954957	10/20/2012	111220	1826.78	NMEA 0183	12	2
662290.7793	4051538.868	27,900	-1.544385472	-109.1856709	36.59554783	10/20/2012	111228	1827.38	NMEA 0183	12	2
662287.9137	4051540.704	27,900	-1.544385472	-109.1857026	36.59556487	10/20/2012	111233	1827.36	NMEA 0183	12	2
662281.8559	4051555.043	27,900	-1.544385472	-109.1857672	36.5956951	10/20/2012	111253	1826.95	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662271.8	4051570.539	27,900	-1.544385472	-109.1858763	36.59583643	10/20/2012	111324	1828	NMEA 0183	12	2
662286.8938	4051531.684	27,900	-1.544385472	-109.1857159	36.59548377	10/20/2012	111600	1826.07	NMEA 0183	12	2
662284.3506	4051537.622	27,900	-1.544385472	-109.185743	36.5955377	10/20/2012	111609	1826.42	NMEA 0183	12	2
662280.2121	4051543.046	27,900	-1.544385472	-109.1857881	36.59558728	10/20/2012	111617	1826.84	NMEA 0183	12	2
662278.1689	4051547.699	27,900	-1.544385472	-109.18581	36.59562955	10/20/2012	111623	1826.96	NMEA 0183	12	2
662272.8701	4051553.124	27,900	-1.544385472	-109.185868	36.59567933	10/20/2012	111726	1827.17	NMEA 0183	12	2
662276.1383	4051546.157	27,900	-1.544385472	-109.185833	36.595616	10/20/2012	111736	1826.85	NMEA 0183	12	2
662277.5889	4051543.267	27,900	-1.544385472	-109.1858174	36.59558972	10/20/2012	111740	1826.54	NMEA 0183	12	2
662292.3922	4051509.849	27,900	-1.544385472	-109.185659	36.59528608	10/20/2012	111835	1824.78	NMEA 0183	12	2
662286.3488	4051516.791	27,900	-1.544385472	-109.1857251	36.59534967	10/20/2012	111917	1825.15	NMEA 0183	12	2
662272.3976	4051538.652	27,900	-1.544385472	-109.1858764	36.59554902	10/20/2012	112005	1826.99	NMEA 0183	12	2
662271.264	4051545.687	27,900	-1.544385472	-109.1858876	36.5956126	10/20/2012	112054	1827.35	NMEA 0183	12	2
662265.8681	4051554.989	27,900	-1.544385472	-109.1859459	36.59569733	10/20/2012	112127	1828.04	NMEA 0183	12	2
662262.369	4051556.018	27,900	-1.544385472	-109.1859848	36.5957072	10/20/2012	112241	1829.27	NMEA 0183	12	2
662280.5905	4051517.955	27,900	-1.544385472	-109.1857892	36.59536113	10/20/2012	112352	1825.32	NMEA 0183	12	2
662283.4582	4051507.633	27,900	-1.544385472	-109.1857593	36.59526763	10/20/2012	112405	1825.14	NMEA 0183	12	2
662265.8862	4051540.603	27,900	-1.544385472	-109.1859487	36.5955677	10/20/2012	112620	1826.34	NMEA 0183	12	2
662262.6816	4051547.991	27,900	-1.544385472	-109.185983	36.59563482	10/20/2012	112630	1826.74	NMEA 0183	12	2
662250.6326	4051562.563	27,900	-1.544385472	-109.1861145	36.59576817	10/20/2012	113008	1826.67	NMEA 0183	12	2
662245.9541	4051552.12	27,900	-1.544385472	-109.186169	36.59567487	10/20/2012	113108	1827	NMEA 0183	12	2
662231.4143	4051498.663	27,900	-1.544385472	-109.1863428	36.59519567	10/20/2012	113344	1825.62	NMEA 0183	12	2
662244.5575	4051509.092	27,900	-1.544385472	-109.1861937	36.5952874	10/20/2012	113401	1825.57	NMEA 0183	12	2
662250.4208	4051515.876	27,900	-1.544385472	-109.1861268	36.59534753	10/20/2012	113409	1825.54	NMEA 0183	12	2
662245.4439	4051506.38	27,900	-1.544385472	-109.1861844	36.59526282	10/20/2012	113518	1825.68	NMEA 0183	12	2
662237.7055	4051501.271	27,900	-1.544385472	-109.1862719	36.5952181	10/20/2012	113527	1825.87	NMEA 0183	12	2
662263.347	4051514.489	27,900	-1.544385472	-109.1859826	36.59533283	10/20/2012	113714	1825.13	NMEA 0183	12	2
662247.2218	4051496.033	27,900	-1.544385472	-109.1861667	36.59516928	10/20/2012	113737	1825.15	NMEA 0183	12	2
662244.0303	4051491.036	27,900	-1.544385472	-109.1862034	36.5951248	10/20/2012	113742	1824.88	NMEA 0183	12	2
662244.5037	4051480.974	27,900	-1.544385472	-109.1862002	36.59503405	10/20/2012	113957	1824.76	NMEA 0183	12	2
662240.0404	4051473.502	27,900	-1.544385472	-109.1862517	36.59496748	10/20/2012	114006	1824.62	NMEA 0183	12	2
662264.8847	4051498.929	27,900	-1.544385472	-109.1859687	36.59519237	10/20/2012	114136	1825.12	NMEA 0183	12	2
662254.1574	4051479.201	27,900	-1.544385472	-109.1860927	36.59501643	10/20/2012	114220	1824.61	NMEA 0183	12	2
662281.0452	4051512.041	27,900	-1.544385472	-109.1857854	36.59530777	10/20/2012	114308	1825.22	NMEA 0183	12	2
662271.2657	4051494.49	27,900	-1.544385472	-109.1858983	36.59515128	10/20/2012	114334	1824.95	NMEA 0183	12	2
662262.4245	4051483.485	27,900	-1.544385472	-109.1859995	36.59505363	10/20/2012	114348	1824.55	NMEA 0183	12	2
662265.5604	4051480.047	27,900	-1.544385472	-109.1859651	36.59502212	10/20/2012	114435	1824.46	NMEA 0183	12	2
662288.353	4051490.983	27,900	-1.544385472	-109.1857081	36.59511678	10/20/2012	114704	1824.66	NMEA 0183	12	2
662311.4702	4051524.06	27,900	-1.544385472	-109.1854428	36.59541088	10/20/2012	114832	1826.15	NMEA 0183	12	2
662313.4569	4051528.324	27,900	-1.544385472	-109.1854197	36.59544897	10/20/2012	114908	1826.18	NMEA 0183	12	2
662328.7399	4051523.052	27,900	-1.544385472	-109.1852501	36.59539887	10/20/2012	114950	1825.87	NMEA 0183	12	2
662283.758	4051489.151	27,900	-1.544385472	-109.1857599	36.59510105	10/20/2012	115057	1825.32	NMEA 0183	12	2
662262.2516	4051477.078	28,000	-1.492350921	-109.1860027	36.59499593	10/20/2012	102458	1824.67	NMEA 0183	12	2
662262.0542	4051477.186	28,000	-1.492350921	-109.1860049	36.59499693	10/20/2012	102501	1824.61	NMEA 0183	12	2
662261.8593	4051476.925	28,000	-1.492350921	-109.1860072	36.59499462	10/20/2012	102509	1825.03	NMEA 0183	12	2
662261.4172	4051476.56	28,000	-1.492350921	-109.1860122	36.5949914	10/20/2012	102519	1825.11	NMEA 0183	12	2
662264.3907	4051471.853	28,000	-1.492350921	-109.1859799	36.59494848	10/20/2012	102549	1825.13	NMEA 0183	12	2
662281.9473	4051485.041	28,000	-1.492350921	-109.185781	36.59506433	10/20/2012	102634	1825.23	NMEA 0183	12	2
662286.2212	4051488.243	28,000	-1.492350921	-109.1857325	36.59509245	10/20/2012	102640	1825.44	NMEA 0183	12	2
662353.5222	4051547.398	28,000	-1.492350921	-109.184968	36.59561402	10/20/2012	102810	1827.46	NMEA 0183	12	2
662350.442	4051546.151	28,000	-1.492350921	-109.1850027	36.5956033	10/20/2012	102822	1826.82	NMEA 0183	12	2
662349.821	4051545.231	28,000	-1.492350921	-109.1850098	36.59559512	10/20/2012	102823	1826.99	NMEA 0183	12	2
662338.5092	4051535.297	28,000	-1.492350921	-109.1851383	36.59550753	10/20/2012	102840	1827.72	NMEA 0183	12	2
662329.7747	4051531.517	28,000	-1.492350921	-109.1852367	36.59547497	10/20/2012	102906	1826.53	NMEA 0183	12	2
662334.1238	4051538.236	28,000	-1.492350921	-109.1851867	36.59553477	10/20/2012	102915	1828.12	NMEA 0183	12	2
662342.2628	4051546.377	28,000	-1.492350921	-109.185094	36.59560673	10/20/2012	103006	1827.67	NMEA 0183	12	2
662342.2244	4051546.591	28,000	-1.492350921	-109.1850944	36.59560867	10/20/2012	103010	1827.66	NMEA 0183	12	2
662339.6379	4051551.501	28,000	-1.492350921	-109.1851223	36.59565335	10/20/2012	103205	1828.81	NMEA 0183	12	2
662320.8098	4051535.438	28,000	-1.492350921	-109.1853361	36.59551182	10/20/2012	103309	1827.11	NMEA 0183	12	2
662329.9007	4051549.17	28,000	-1.492350921	-109.1852316	36.595634	10/20/2012	103353	1827.65	NMEA 0183	12	2
662336.2873	4051555.72	28,000	-1.492350921	-109.1851588	36.59569193	10/20/2012	103401	1827.89	NMEA 0183	12	2
662313.869	4051539.432	28,000	-1.492350921	-109.1854128	36.59554898	10/20/2012	103515	1826.17	NMEA 0183	12	2
662312.1693	4051537.346	28,000	-1.492350921	-109.1854322	36.59553048	10/20/2012	103518	1826.1	NMEA 0183	12	2
662334.0893	4051566.038	28,000	-1.492350921	-109.1851812	36.59578528	10/20/2012	103713	1827.08	NMEA 0183	12	2
662308.3194	4051540.999	28,000	-1.492350921	-109.1854745	36.59556405	10/20/2012	103806	1826.35	NMEA 0183	12	2
662340.653	4051580.274	28,000	-1.492350921	-109.1851049	36.59591243	10/20/2012	103859	1829.37	NMEA 0183	12	2
662318.1655	4051557.78	28,000	-1.492350921	-109.1853609	36.59571358	10/20/2012	104010	1826.85	NMEA 0183	12	2
662302.5824	4051546.957	28,000	-1.492350921	-109.1855373	36.59561872	10/20/2012	104256	1826.32	NMEA 0183	12	2
662301.3734	4051546.132	28,000	-1.492350921	-109.185551	36.59561148	10/20/2012	104258	1826.33	NMEA 0183	12	2
662320.8233	4051590.711	28,000	-1.492350921	-109.1853243	36.59600985	10/20/2012	104644	1830.78	NMEA 0183	12	2
662328.6453	4051591.624	28,000	-1.492350921	-109.1852367	36.59601675	10/20/2012	105006	1831.06	NMEA 0183	12	2
662330.2834	4051590.972	28,000	-1.492350921	-109.1852185	36.5960106	10/20/2012	105256	1830.81	NMEA 0183	12	2
662329.914	4051590.945	28,000	-1.492350921	-109.1852226	36.59601042	10/20/2012	105313	1830.68	NMEA 0183	12	2
662329.937	4051590.914	28,000	-1.492350921	-109.1852224	36.59601013	10/20/2012	105315	1830.65	NMEA 0183	12	2
662329.4979	4051595.521	28,000	-1.492350921	-109.1852263	36.59605172	10/20/2012	105345	1830.95	NMEA 0183	12	2
662326.6638	4051602.405	28,000	-1.492350921	-109.1852565	36.59611423	10/20/2012	105407	1830.91	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662312.3787	4051568.665	28,000	-1.492350921	-109.1854233	36.59581265	10/20/2012	105635	1826.76	NMEA 0183	12	2
662315.1988	4051552.887	28,000	-1.492350921	-109.1853951	36.59567	10/20/2012	105824	1826.55	NMEA 0183	12	2
662305.4905	4051559.846	28,000	-1.492350921	-109.1855021	36.59573435	10/20/2012	110210	1826.96	NMEA 0183	12	2
662302.2922	4051558.292	28,000	-1.492350921	-109.1855382	36.5957209	10/20/2012	110242	1826.79	NMEA 0183	12	2
662295.6557	4051573.501	28,000	-1.492350921	-109.1856091	36.59585907	10/20/2012	110328	1827.87	NMEA 0183	12	2
662296.0506	4051568.07	28,000	-1.492350921	-109.1856059	36.59581007	10/20/2012	110340	1827.09	NMEA 0183	12	2
662296.5417	4051561.73	28,000	-1.492350921	-109.1856017	36.59575285	10/20/2012	110352	1826.83	NMEA 0183	12	2
662300.7622	4051549.515	28,000	-1.492350921	-109.1855571	36.59564207	10/20/2012	110413	1826.51	NMEA 0183	12	2
662288.109	4051571.511	28,000	-1.492350921	-109.1856939	36.59584242	10/20/2012	110514	1827.62	NMEA 0183	12	2
662296.7834	4051543.72	28,000	-1.492350921	-109.1856028	36.59559053	10/20/2012	110555	1827.1	NMEA 0183	12	2
662307.5434	4051525.145	28,000	-1.492350921	-109.1854865	36.59542133	10/20/2012	110626	1826.03	NMEA 0183	12	2
662313.0294	4051514.313	28,000	-1.492350921	-109.1854275	36.5953228	10/20/2012	110643	1825.85	NMEA 0183	12	2
662310.468	4051514.341	28,000	-1.492350921	-109.1854561	36.59532348	10/20/2012	110711	1825.99	NMEA 0183	12	2
662308.5845	4051518.828	28,000	-1.492350921	-109.1854762	36.59536423	10/20/2012	110719	1826.25	NMEA 0183	12	2
662309.6798	4051522.666	28,000	-1.492350921	-109.1854631	36.59539863	10/20/2012	110731	1826.24	NMEA 0183	12	2
662282.4137	4051566.026	28,000	-1.492350921	-109.1857587	36.59579397	10/20/2012	110848	1827.13	NMEA 0183	12	2
662282.341	4051566.796	28,000	-1.492350921	-109.1857593	36.59580092	10/20/2012	110849	1827.33	NMEA 0183	12	2
662282.0729	4051569.303	28,000	-1.492350921	-109.1857618	36.59582355	10/20/2012	110853	1827.43	NMEA 0183	12	2
662283.5006	4051570.312	28,000	-1.492350921	-109.1857456	36.5958324	10/20/2012	110856	1827.66	NMEA 0183	12	2
662286.4728	4051570.331	28,000	-1.492350921	-109.1857124	36.59583207	10/20/2012	110902	1827.81	NMEA 0183	12	2
662281.6772	4051575.804	28,000	-1.492350921	-109.1857648	36.5958822	10/20/2012	110923	1827.65	NMEA 0183	12	2
662296.8541	4051533.187	28,000	-1.492350921	-109.1856042	36.59549562	10/20/2012	111037	1826.65	NMEA 0183	12	2
662298.1748	4051530.303	28,000	-1.492350921	-109.1855901	36.5954694	10/20/2012	111041	1826.35	NMEA 0183	12	2
662307.9339	4051514.264	28,000	-1.492350921	-109.1854844	36.59532322	10/20/2012	111110	1826.18	NMEA 0183	12	2
662307.8062	4051506.807	28,000	-1.492350921	-109.1854874	36.59525605	10/20/2012	111137	1825.92	NMEA 0183	12	2
662300.2018	4051517.821	28,000	-1.492350921	-109.1855701	36.59535658	10/20/2012	111156	1826.23	NMEA 0183	12	2
662285.307	4051544.55	28,000	-1.492350921	-109.1857309	36.59559997	10/20/2012	111239	1827.08	NMEA 0183	12	2
662277.7432	4051553.423	28,000	-1.492350921	-109.1858135	36.5956812	10/20/2012	111358	1827.03	NMEA 0183	12	2
662279.7698	4051550.594	28,000	-1.492350921	-109.1857915	36.59565537	10/20/2012	111403	1827.57	NMEA 0183	12	2
662301.7008	4051503.447	28,000	-1.492350921	-109.1855564	36.59522682	10/20/2012	111509	1825.16	NMEA 0183	12	2
662280.5879	4051542.26	28,000	-1.492350921	-109.1857841	36.59558013	10/20/2012	111616	1826.86	NMEA 0183	12	2
662279.2868	4051544.424	28,000	-1.492350921	-109.1857982	36.59559985	10/20/2012	111619	1826.88	NMEA 0183	12	2
662281.5716	4051531.952	28,000	-1.492350921	-109.1857753	36.59548708	10/20/2012	111755	1825.81	NMEA 0183	12	2
662284.3701	4051524.663	28,000	-1.492350921	-109.1857455	36.59542093	10/20/2012	111804	1825.35	NMEA 0183	12	2
662284.8333	4051522.959	28,000	-1.492350921	-109.1857407	36.5954055	10/20/2012	111806	1825.41	NMEA 0183	12	2
662289.9514	4051508.306	28,000	-1.492350921	-109.1856866	36.5952726	10/20/2012	111905	1824.86	NMEA 0183	12	2
662272.5682	4051536.095	28,000	-1.492350921	-109.185875	36.59552595	10/20/2012	112001	1827.27	NMEA 0183	12	2
662271.256	4051544.844	28,000	-1.492350921	-109.1858878	36.595605	10/20/2012	112021	1827.18	NMEA 0183	12	2
662271.2543	4051544.855	28,000	-1.492350921	-109.1858878	36.5956051	10/20/2012	112037	1827.2	NMEA 0183	12	2
662270.328	4051548.178	28,000	-1.492350921	-109.1858975	36.5956352	10/20/2012	112118	1827.56	NMEA 0183	12	2
662268.9523	4051550.34	28,000	-1.492350921	-109.1859124	36.59565492	10/20/2012	112121	1827.72	NMEA 0183	12	2
662271.259	4051544.291	28,000	-1.492350921	-109.1858879	36.59560002	10/20/2012	112302	1827.3	NMEA 0183	12	2
662275.6738	4051531.815	28,000	-1.492350921	-109.1858412	36.59548685	10/20/2012	112323	1827.77	NMEA 0183	12	2
662279.3509	4051511.487	28,000	-1.492350921	-109.1858044	36.59530307	10/20/2012	112454	1825.17	NMEA 0183	12	2
662267.7569	4051536.003	28,000	-1.492350921	-109.1859288	36.59552593	10/20/2012	112535	1826.22	NMEA 0183	12	2
662268.6294	4051538.847	28,000	-1.492350921	-109.1859184	36.59555142	10/20/2012	112548	1826.39	NMEA 0183	12	2
662268.6742	4051538.924	28,000	-1.492350921	-109.1859179	36.5955521	10/20/2012	112610	1826.48	NMEA 0183	12	2
662250.0832	4051551.058	28,000	-1.492350921	-109.1861231	36.5956646	10/20/2012	113050	1826.28	NMEA 0183	12	2
662245.568	4051552.505	28,000	-1.492350921	-109.1861733	36.5956784	10/20/2012	113125	1826.47	NMEA 0183	12	2
662227.9603	4051493.119	28,000	-1.492350921	-109.1863825	36.5951463	10/20/2012	113307	1825.23	NMEA 0183	12	2
662265.0905	4051533.215	28,000	-1.492350921	-109.1859592	36.59550127	10/20/2012	113429	1825.69	NMEA 0183	12	2
662242.5063	4051498.998	28,000	-1.492350921	-109.1862188	36.5951968	10/20/2012	113613	1825.17	NMEA 0183	12	2
662254.91	4051511.703	28,000	-1.492350921	-109.1860775	36.59530917	10/20/2012	113630	1825.27	NMEA 0183	12	2
662259.9981	4051495.237	28,000	-1.492350921	-109.1860241	36.59515993	10/20/2012	114044	1825.32	NMEA 0183	12	2
662276.6798	4051516.056	28,000	-1.492350921	-109.1858333	36.59534468	10/20/2012	114114	1825.38	NMEA 0183	12	2
662264.3899	4051496.145	28,000	-1.492350921	-109.1859748	36.59516737	10/20/2012	114139	1825.13	NMEA 0183	12	2
662255.7671	4051480.604	28,000	-1.492350921	-109.1860745	36.5950288	10/20/2012	114222	1824.59	NMEA 0183	12	2
662255.2446	4051474.384	28,000	-1.492350921	-109.1860816	36.59497285	10/20/2012	114359	1824.5	NMEA 0183	12	2
662253.9019	4051473.14	28,000	-1.492350921	-109.1860969	36.59496187	10/20/2012	114401	1824.48	NMEA 0183	12	2
662264.5628	4051478.378	28,000	-1.492350921	-109.1859766	36.59500725	10/20/2012	114433	1824.5	NMEA 0183	12	2
662267.5193	4051479.782	28,000	-1.492350921	-109.1859433	36.5950194	10/20/2012	114554	1824.45	NMEA 0183	12	2
662259.9551	4051468.367	28,000	-1.492350921	-109.1860302	36.59491783	10/20/2012	114607	1824.33	NMEA 0183	12	2
662273.7081	4051484.891	28,000	-1.492350921	-109.1858731	36.59506438	10/20/2012	114634	1824.42	NMEA 0183	12	2
662308.1891	4051537.785	28,000	-1.492350921	-109.1854766	36.59553512	10/20/2012	114854	1826.38	NMEA 0183	12	2
662270.5684	4051479.997	28,000	-1.492350921	-109.1859092	36.59502082	10/20/2012	115127	1824.66	NMEA 0183	12	2
662262.1275	4051477.254	28,100	-1.44031637	-109.1860041	36.59499753	10/20/2012	102433	1824.72	NMEA 0183	12	2
662262.0939	4051477.138	28,100	-1.44031637	-109.1860045	36.5949965	10/20/2012	102449	1824.56	NMEA 0183	12	2
662310.9	4051506.469	28,100	-1.44031637	-109.1854529	36.59525248	10/20/2012	102708	1826.03	NMEA 0183	12	2
662333.6181	4051537.37	28,100	-1.44031637	-109.1851925	36.59552705	10/20/2012	102914	1827.87	NMEA 0183	12	2
662320.5138	4051527.66	28,100	-1.44031637	-109.185341	36.59544178	10/20/2012	103121	1826.23	NMEA 0183	12	2
662338.5505	4051550.478	28,100	-1.44031637	-109.1851347	36.59564432	10/20/2012	103202	1828.42	NMEA 0183	12	2
662345.9142	4051555.998	28,100	-1.44031637	-109.1850512	36.5956928	10/20/2012	103216	1827.38	NMEA 0183	12	2
662346.8592	4051556.424	28,100	-1.44031637	-109.1850406	36.59569648	10/20/2012	103217	1827.36	NMEA 0183	12	2
662322.4416	4051536.934	28,100	-1.44031637	-109.1853175	36.59552502	10/20/2012	103307	1827.14	NMEA 0183	12	2
662314.046	4051530.93	28,100	-1.44031637	-109.1854126	36.59547235	10/20/2012	103318	1826.64	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662325.8312	4051552.759	28,100	-1.44031637	-109.1852763	36.59566703	10/20/2012	103455	1827.11	NMEA 0183	12	2
662323.3199	4051551.396	28,100	-1.44031637	-109.1853047	36.59565518	10/20/2012	103547	1826.69	NMEA 0183	12	2
662337.5491	4051563.855	28,100	-1.44031637	-109.185143	36.59576502	10/20/2012	103615	1827.9	NMEA 0183	12	2
662341.5555	4051564.476	28,100	-1.44031637	-109.1850981	36.59576993	10/20/2012	103619	1828.22	NMEA 0183	12	2
662335.7998	4051566.846	28,100	-1.44031637	-109.1851619	36.59579227	10/20/2012	103711	1827.28	NMEA 0183	12	2
662319.1504	4051549.858	28,100	-1.44031637	-109.1853516	36.59564203	10/20/2012	103737	1826.11	NMEA 0183	12	2
662313.4551	4051544.288	28,100	-1.44031637	-109.1854164	36.59559282	10/20/2012	103749	1826.11	NMEA 0183	12	2
662323.8043	4051565.864	28,100	-1.44031637	-109.1852962	36.59578547	10/20/2012	103956	1827.53	NMEA 0183	12	2
662310.6747	4051547.856	28,100	-1.44031637	-109.1854467	36.59562543	10/20/2012	104023	1827.04	NMEA 0183	12	2
662308.6835	4051548.251	28,100	-1.44031637	-109.1854689	36.59562933	10/20/2012	104043	1827.15	NMEA 0183	12	2
662333.8545	4051589.29	28,100	-1.44031637	-109.1851789	36.59599483	10/20/2012	104147	1831.14	NMEA 0183	12	2
662317.1973	4051593.01	28,100	-1.44031637	-109.1853643	36.59603118	10/20/2012	104701	1830.56	NMEA 0183	12	2
662329.0788	4051591.575	28,100	-1.44031637	-109.1852318	36.59601623	10/20/2012	104935	1830.81	NMEA 0183	12	2
662329.3092	4051591.302	28,100	-1.44031637	-109.1852293	36.59601373	10/20/2012	105048	1831	NMEA 0183	12	2
662329.223	4051591.208	28,100	-1.44031637	-109.1852303	36.5960129	10/20/2012	105101	1830.96	NMEA 0183	12	2
662313.0862	4051563.742	28,100	-1.44031637	-109.1854164	36.59576817	10/20/2012	105646	1826.65	NMEA 0183	12	2
662314.9996	4051552.852	28,100	-1.44031637	-109.1853973	36.59566972	10/20/2012	105729	1826.42	NMEA 0183	12	2
662315.2312	4051552.91	28,100	-1.44031637	-109.1853947	36.5956702	10/20/2012	105738	1826.42	NMEA 0183	12	2
662305.8387	4051572.996	28,100	-1.44031637	-109.1854954	36.59585278	10/20/2012	110127	1827.67	NMEA 0183	12	2
662305.5232	4051573.673	28,100	-1.44031637	-109.1854988	36.59585893	10/20/2012	110128	1827.75	NMEA 0183	12	2
662303.0785	4051556.225	28,100	-1.44031637	-109.1855298	36.59570213	10/20/2012	110238	1826.83	NMEA 0183	12	2
662297.0523	4051574.105	28,100	-1.44031637	-109.1855934	36.59586427	10/20/2012	110325	1828.38	NMEA 0183	12	2
662299.6558	4051549.024	28,100	-1.44031637	-109.1855696	36.59563783	10/20/2012	110419	1826.46	NMEA 0183	12	2
662287.9842	4051570.937	28,100	-1.44031637	-109.1856954	36.59583727	10/20/2012	110515	1827.62	NMEA 0183	12	2
662299.4511	4051539.884	28,100	-1.44031637	-109.1855738	36.59555552	10/20/2012	110601	1826.73	NMEA 0183	12	2
662306.8578	4051526.385	28,100	-1.44031637	-109.1854939	36.59543262	10/20/2012	110624	1826.1	NMEA 0183	12	2
662309.702	4051515.569	28,100	-1.44031637	-109.1854644	36.59533468	10/20/2012	110713	1825.99	NMEA 0183	12	2
662306.2207	4051526.003	28,100	-1.44031637	-109.1855011	36.59542928	10/20/2012	110739	1826.24	NMEA 0183	12	2
662292.8379	4051546.509	28,100	-1.44031637	-109.1856463	36.59561633	10/20/2012	110818	1826.88	NMEA 0183	12	2
662287.0784	4051545.529	28,100	-1.44031637	-109.1857109	36.59560848	10/20/2012	111017	1826.83	NMEA 0183	12	2
662289.2336	4051541.656	28,100	-1.44031637	-109.1856876	36.59557322	10/20/2012	111023	1827.32	NMEA 0183	12	2
662294.5578	4051535.761	28,100	-1.44031637	-109.1856294	36.59551192	10/20/2012	111033	1826.59	NMEA 0183	12	2
662301.2869	4051514.07	28,100	-1.44031637	-109.1855587	36.5953226	10/20/2012	111151	1825.88	NMEA 0183	12	2
662300.2731	4051518.551	28,100	-1.44031637	-109.1855691	36.59536315	10/20/2012	111157	1826.31	NMEA 0183	12	2
662281.3484	4051556.567	28,100	-1.44031637	-109.1857726	36.59570892	10/20/2012	111255	1826.87	NMEA 0183	12	2
662299.7981	4051509.108	28,100	-1.44031637	-109.1855764	36.59527815	10/20/2012	111501	1825.17	NMEA 0183	12	2
662300.6594	4051502.911	28,100	-1.44031637	-109.1855681	36.59522217	10/20/2012	111511	1825.11	NMEA 0183	12	2
662289.6391	4051523.738	28,100	-1.44031637	-109.1856869	36.5954117	10/20/2012	111550	1825.48	NMEA 0183	12	2
662289.3729	4051525.279	28,100	-1.44031637	-109.1856895	36.59542563	10/20/2012	111552	1825.53	NMEA 0183	12	2
662278.5249	4051546.936	28,100	-1.44031637	-109.1858062	36.59562262	10/20/2012	111622	1826.95	NMEA 0183	12	2
662275.0689	4051556.343	28,100	-1.44031637	-109.1858428	36.59570797	10/20/2012	111634	1826.96	NMEA 0183	12	2
662270.2219	4051558.377	28,100	-1.44031637	-109.1858965	36.59572712	10/20/2012	111718	1827.05	NMEA 0183	12	2
662275.0054	4051548.255	28,100	-1.44031637	-109.1858452	36.5956351	10/20/2012	111733	1826.99	NMEA 0183	12	2
662282.5904	4051530.445	28,100	-1.44031637	-109.1857642	36.59547333	10/20/2012	111757	1825.59	NMEA 0183	12	2
662284.9341	4051521.727	28,100	-1.44031637	-109.1857399	36.59539438	10/20/2012	111817	1825.36	NMEA 0183	12	2
662285.8892	4051517.515	28,100	-1.44031637	-109.1857301	36.59535627	10/20/2012	111918	1825.19	NMEA 0183	12	2
662278.957	4051527.053	28,100	-1.44031637	-109.1858055	36.59544338	10/20/2012	111940	1827.31	NMEA 0183	12	2
662271.2591	4051544.842	28,100	-1.44031637	-109.1858878	36.59560498	10/20/2012	112028	1827.13	NMEA 0183	12	2
662258.8128	4051566.785	28,100	-1.44031637	-109.1860222	36.59580482	10/20/2012	112145	1829.4	NMEA 0183	12	2
662259.2894	4051568.481	28,100	-1.44031637	-109.1860166	36.59582002	10/20/2012	112201	1829.11	NMEA 0183	12	2
662261.0456	4051566.468	28,100	-1.44031637	-109.1859974	36.59580158	10/20/2012	112208	1829.39	NMEA 0183	12	2
662256.1177	4051565.047	28,100	-1.44031637	-109.1860527	36.59578962	10/20/2012	112224	1830.05	NMEA 0183	12	2
662263.5635	4051553.579	28,100	-1.44031637	-109.1859719	36.59568502	10/20/2012	112245	1829.11	NMEA 0183	12	2
662264.0032	4051552.57	28,100	-1.44031637	-109.1859672	36.59567585	10/20/2012	112247	1828.75	NMEA 0183	12	2
662269.4112	4051546.89	28,100	-1.44031637	-109.185908	36.59562375	10/20/2012	112257	1827.65	NMEA 0183	12	2
662271.2822	4051543.93	28,100	-1.44031637	-109.1858877	36.59559677	10/20/2012	112303	1827.27	NMEA 0183	12	2
662272.7021	4051536.668	28,100	-1.44031637	-109.1858734	36.59553108	10/20/2012	112314	1827.31	NMEA 0183	12	2
662280.1399	4051519.545	28,100	-1.44031637	-109.1857939	36.59537553	10/20/2012	112350	1825.43	NMEA 0183	12	2
662281.8768	4051512.867	28,100	-1.44031637	-109.1857759	36.59531507	10/20/2012	112358	1825.18	NMEA 0183	12	2
662291.8913	4051498.782	28,100	-1.44031637	-109.185667	36.59518645	10/20/2012	112423	1824.86	NMEA 0183	12	2
662268.5731	4051538.828	28,100	-1.44031637	-109.1859191	36.59555125	10/20/2012	112615	1826.56	NMEA 0183	12	2
662249.8502	4051563.717	28,100	-1.44031637	-109.186123	36.5957787	10/20/2012	112845	1826.55	NMEA 0183	12	2
662241.6454	4051497.121	28,100	-1.44031637	-109.1862288	36.59518003	10/20/2012	113611	1825.21	NMEA 0183	12	2
662235.6319	4051478.222	28,100	-1.44031637	-109.1863	36.59501077	10/20/2012	113757	1824.65	NMEA 0183	12	2
662242.4594	4051483.626	28,100	-1.44031637	-109.1862225	36.5950583	10/20/2012	113821	1824.78	NMEA 0183	12	2
662249.5134	4051493.705	28,100	-1.44031637	-109.1861416	36.59514792	10/20/2012	113833	1825.24	NMEA 0183	12	2
662267.076	4051503.42	28,100	-1.44031637	-109.1859433	36.59523247	10/20/2012	114131	1825.18	NMEA 0183	12	2
662247.3524	4051472.208	28,100	-1.44031637	-109.1861703	36.59495458	10/20/2012	114207	1824.5	NMEA 0183	12	2
662269.8275	4051496.088	28,100	-1.44031637	-109.1859141	36.59516593	10/20/2012	114241	1824.9	NMEA 0183	12	2
662265.1231	4051479.195	28,100	-1.44031637	-109.1859702	36.59501452	10/20/2012	114434	1824.46	NMEA 0183	12	2
662271.3547	4051487.487	28,100	-1.44031637	-109.1858988	36.59508817	10/20/2012	114444	1824.61	NMEA 0183	12	2
662278.9634	4051491.487	28,100	-1.44031637	-109.185813	36.59512292	10/20/2012	114537	1824.72	NMEA 0183	12	2
662265.5941	4051477.156	28,100	-1.44031637	-109.1859654	36.59499607	10/20/2012	114557	1824.39	NMEA 0183	12	2
662265.1435	4051474.403	28,100	-1.44031637	-109.185971	36.59497133	10/20/2012	114621	1824.27	NMEA 0183	12	2
662307.0627	4051531.882	28,100	-1.44031637	-109.1854904	36.59548212	10/20/2012	114843	1826.29	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662322.4709	4051520.224	28,100	-1.44031637	-109.1853207	36.59537445	10/20/2012	114930	1825.73	NMEA 0183	12	2
662323.2582	4051524.656	28,100	-1.44031637	-109.185311	36.59541425	10/20/2012	114938	1825.96	NMEA 0183	12	2
662274.2483	4051483.059	28,100	-1.44031637	-109.1858674	36.59504778	10/20/2012	115112	1824.81	NMEA 0183	12	2
662261.4122	4051476.511	28,200	-1.388281819	-109.1860122	36.59499097	10/20/2012	102525	1825.19	NMEA 0183	12	2
662264.3073	4051471.768	28,200	-1.388281819	-109.1859809	36.59494773	10/20/2012	102609	1825.06	NMEA 0183	12	2
662315.1955	4051509.475	28,200	-1.388281819	-109.1854043	36.59527883	10/20/2012	102713	1825.95	NMEA 0183	12	2
662341.8612	4051538.658	28,200	-1.388281819	-109.1851002	36.59553725	10/20/2012	102835	1827.64	NMEA 0183	12	2
662327.4174	4051526.346	28,200	-1.388281819	-109.1852642	36.59542877	10/20/2012	102858	1825.89	NMEA 0183	12	2
662348.2922	4051548.313	28,200	-1.388281819	-109.1850263	36.59562315	10/20/2012	102938	1827.07	NMEA 0183	12	2
662341.6798	4051547.234	28,200	-1.388281819	-109.1851004	36.59561455	10/20/2012	103001	1827.11	NMEA 0183	12	2
662315.2666	4051533.193	28,200	-1.388281819	-109.1853985	36.59549253	10/20/2012	103324	1827.56	NMEA 0183	12	2
662324.9469	4051542.8	28,200	-1.388281819	-109.1852883	36.59557745	10/20/2012	103343	1828.34	NMEA 0183	12	2
662347.9745	4051563.866	28,200	-1.388281819	-109.1850265	36.59576335	10/20/2012	103416	1827.55	NMEA 0183	12	2
662312.6504	4051538.012	28,200	-1.388281819	-109.1854267	36.5955364	10/20/2012	103517	1826.15	NMEA 0183	12	2
662315.9834	4051544.04	28,200	-1.388281819	-109.1853882	36.59559015	10/20/2012	103529	1826.36	NMEA 0183	12	2
662341.9504	4051564.729	28,200	-1.388281819	-109.1850937	36.59577215	10/20/2012	103620	1828.39	NMEA 0183	12	2
662307.1635	4051538.863	28,200	-1.388281819	-109.1854878	36.595545	10/20/2012	103757	1826.28	NMEA 0183	12	2
662306.2045	4051542.576	28,200	-1.388281819	-109.1854978	36.59557862	10/20/2012	104030	1826.47	NMEA 0183	12	2
662320.2192	4051565.288	28,200	-1.388281819	-109.1853364	36.59578088	10/20/2012	104232	1827.04	NMEA 0183	12	2
662329.0579	4051591.576	28,200	-1.388281819	-109.1852321	36.59601625	10/20/2012	104942	1830.84	NMEA 0183	12	2
662329.0445	4051591.576	28,200	-1.388281819	-109.1852322	36.59601625	10/20/2012	104952	1830.97	NMEA 0183	12	2
662329.0415	4051591.578	28,200	-1.388281819	-109.1852322	36.59601627	10/20/2012	104956	1831.05	NMEA 0183	12	2
662329.367	4051591.242	28,200	-1.388281819	-109.1852287	36.59601318	10/20/2012	105028	1830.96	NMEA 0183	12	2
662329.8083	4051591.091	28,200	-1.388281819	-109.1852238	36.59601175	10/20/2012	105151	1830.86	NMEA 0183	12	2
662330.4023	4051590.995	28,200	-1.388281819	-109.1852172	36.59601078	10/20/2012	105242	1830.89	NMEA 0183	12	2
662330.222	4051590.986	28,200	-1.388281819	-109.1852192	36.59601073	10/20/2012	105247	1830.9	NMEA 0183	12	2
662330.1835	4051590.971	28,200	-1.388281819	-109.1852196	36.5960106	10/20/2012	105259	1830.79	NMEA 0183	12	2
662313.1896	4051574.06	28,200	-1.388281819	-109.1854131	36.59586112	10/20/2012	105618	1826.89	NMEA 0183	12	2
662315.2295	4051552.921	28,200	-1.388281819	-109.1853947	36.5956703	10/20/2012	105741	1826.42	NMEA 0183	12	2
662315.2519	4051552.923	28,200	-1.388281819	-109.1853945	36.59567032	10/20/2012	105845	1826.54	NMEA 0183	12	2
662306.2833	4051551.272	28,200	-1.388281819	-109.1854951	36.59565697	10/20/2012	110227	1827.01	NMEA 0183	12	2
662302.3211	4051564.978	28,200	-1.388281819	-109.1855364	36.59578113	10/20/2012	110302	1827.39	NMEA 0183	12	2
662298.2972	4051574.368	28,200	-1.388281819	-109.1855794	36.59586643	10/20/2012	110323	1828.17	NMEA 0183	12	2
662295.1591	4051572.315	28,200	-1.388281819	-109.1856149	36.59584847	10/20/2012	110332	1827.71	NMEA 0183	12	2
662294.6633	4051570.689	28,200	-1.388281819	-109.1856208	36.5958339	10/20/2012	110335	1827.61	NMEA 0183	12	2
662297.81	4051555.779	28,200	-1.388281819	-109.1855888	36.59569902	10/20/2012	110402	1826.65	NMEA 0183	12	2
662299.335	4051553.217	28,200	-1.388281819	-109.1855723	36.59567567	10/20/2012	110407	1826.55	NMEA 0183	12	2
662295.5761	4051553.236	28,200	-1.388281819	-109.1856143	36.59567648	10/20/2012	110429	1826.58	NMEA 0183	12	2
662293.8914	4051558.25	28,200	-1.388281819	-109.1856321	36.59572195	10/20/2012	110439	1826.69	NMEA 0183	12	2
662291.3333	4051572.004	28,200	-1.388281819	-109.1856577	36.59584632	10/20/2012	110500	1827.68	NMEA 0183	12	2
662304.632	4051529.881	28,200	-1.388281819	-109.1855518	36.5954645	10/20/2012	110618	1826.2	NMEA 0183	12	2
662308.7115	4051518.891	28,200	-1.388281819	-109.1854748	36.59536478	10/20/2012	110721	1826.28	NMEA 0183	12	2
662285.5687	4051561.891	28,200	-1.388281819	-109.1857243	36.59575617	10/20/2012	110841	1827.03	NMEA 0183	12	2
662282.0394	4051568.627	28,200	-1.388281819	-109.1857623	36.59581747	10/20/2012	110852	1827.37	NMEA 0183	12	2
662285.7573	4051570.861	28,200	-1.388281819	-109.1857203	36.59583697	10/20/2012	110910	1827.89	NMEA 0183	12	2
662279.4128	4051559.864	28,200	-1.388281819	-109.1857935	36.59573895	10/20/2012	110955	1827.04	NMEA 0183	12	2
662280.6576	4051557.923	28,200	-1.388281819	-109.18578	36.59572125	10/20/2012	110959	1827.02	NMEA 0183	12	2
662285.7065	4051549.145	28,200	-1.388281819	-109.1857254	36.5956413	10/20/2012	111012	1826.83	NMEA 0183	12	2
662287.9498	4051543.531	28,200	-1.388281819	-109.1857016	36.59559033	10/20/2012	111020	1827.12	NMEA 0183	12	2
662288.2142	4051542.881	28,200	-1.388281819	-109.1856987	36.59558443	10/20/2012	111021	1827.22	NMEA 0183	12	2
662303.0969	4051511.657	28,200	-1.388281819	-109.185539	36.59530055	10/20/2012	111127	1825.59	NMEA 0183	12	2
662306.4625	4051506.72	28,200	-1.388281819	-109.1855025	36.5952555	10/20/2012	111140	1826.04	NMEA 0183	12	2
662282.4228	4051552.512	28,200	-1.388281819	-109.1857614	36.5956722	10/20/2012	111250	1827.09	NMEA 0183	12	2
662284.7649	4051537.004	28,200	-1.388281819	-109.1857385	36.59553207	10/20/2012	111608	1826.48	NMEA 0183	12	2
662275.8031	4051554.823	28,200	-1.388281819	-109.1858349	36.59569415	10/20/2012	111632	1826.93	NMEA 0183	12	2
662274.283	4051558.074	28,200	-1.388281819	-109.1858512	36.5957237	10/20/2012	111636	1826.93	NMEA 0183	12	2
662272.7055	4051564.13	28,200	-1.388281819	-109.1858676	36.59577853	10/20/2012	111643	1827.01	NMEA 0183	12	2
662270.0602	4051571.997	28,200	-1.388281819	-109.1858955	36.59584987	10/20/2012	111654	1827.97	NMEA 0183	12	2
662272.0677	4051554.542	28,200	-1.388281819	-109.1858767	36.59569225	10/20/2012	111724	1827.5	NMEA 0183	12	2
662272.4477	4051553.774	28,200	-1.388281819	-109.1858726	36.59568527	10/20/2012	111725	1827.26	NMEA 0183	12	2
662273.1083	4051551.647	28,200	-1.388281819	-109.1858657	36.59566598	10/20/2012	111728	1826.98	NMEA 0183	12	2
662284.817	4051522.086	28,200	-1.388281819	-109.1857411	36.59539763	10/20/2012	111809	1825.12	NMEA 0183	12	2
662284.7405	4051521.949	28,200	-1.388281819	-109.185742	36.59539642	10/20/2012	111811	1824.86	NMEA 0183	12	2
662271.2869	4051544.789	28,200	-1.388281819	-109.1858875	36.5956045	10/20/2012	112016	1827.29	NMEA 0183	12	2
662271.252	4051545.454	28,200	-1.388281819	-109.1858877	36.5956105	10/20/2012	112048	1827.3	NMEA 0183	12	2
662270.7977	4051546.764	28,200	-1.388281819	-109.1858905	36.59562235	10/20/2012	112116	1827.55	NMEA 0183	12	2
662275.5598	4051531.215	28,200	-1.388281819	-109.1858426	36.59548147	10/20/2012	112324	1827.89	NMEA 0183	12	2
662268.6691	4051538.957	28,200	-1.388281819	-109.185918	36.5955524	10/20/2012	112606	1826.46	NMEA 0183	12	2
662257.8102	4051553.217	28,200	-1.388281819	-109.1860363	36.59568273	10/20/2012	112651	1826.96	NMEA 0183	12	2
662250.2566	4051562.334	28,200	-1.388281819	-109.1861188	36.59576617	10/20/2012	113030	1826.76	NMEA 0183	12	2
662249.874	4051556.372	28,200	-1.388281819	-109.1861243	36.59571252	10/20/2012	113041	1826.28	NMEA 0183	12	2
662244.9825	4051551.127	28,200	-1.388281819	-109.1861801	36.59566608	10/20/2012	113137	1827.19	NMEA 0183	12	2
662236.1102	4051494.917	28,200	-1.388281819	-109.1862911	36.59516112	10/20/2012	113243	1825.43	NMEA 0183	12	2
662236.3444	4051492.232	28,200	-1.388281819	-109.186289	36.59513688	10/20/2012	113246	1825.52	NMEA 0183	12	2
662234.9074	4051488.55	28,200	-1.388281819	-109.1863059	36.59510395	10/20/2012	113256	1825.25	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662233.2208	4051488.378	28,200	-1.388281819	-109.1863248	36.59510268	10/20/2012	113258	1825.15	NMEA 0183	12	2
662244.5675	4051505.557	28,200	-1.388281819	-109.1861943	36.59525555	10/20/2012	113519	1825.68	NMEA 0183	12	2
662243.5908	4051485.242	28,200	-1.388281819	-109.1862095	36.59507267	10/20/2012	113823	1824.84	NMEA 0183	12	2
662252.6719	4051498.55	28,200	-1.388281819	-109.1861053	36.59519103	10/20/2012	113838	1825.36	NMEA 0183	12	2
662244.975	4051476.547	28,200	-1.388281819	-109.1861959	36.59499408	10/20/2012	114018	1824.76	NMEA 0183	12	2
662259.3087	4051494.229	28,200	-1.388281819	-109.186032	36.59515097	10/20/2012	114040	1825.21	NMEA 0183	12	2
662262.0585	4051497.495	28,200	-1.388281819	-109.1860006	36.59517993	10/20/2012	114047	1825.07	NMEA 0183	12	2
662250.9215	4051477.741	28,200	-1.388281819	-109.1861292	36.59500383	10/20/2012	114200	1824.59	NMEA 0183	12	2
662248.67	4051474.545	28,200	-1.388281819	-109.186155	36.59497542	10/20/2012	114204	1824.57	NMEA 0183	12	2
662253.3078	4051478.539	28,200	-1.388281819	-109.1861024	36.59501062	10/20/2012	114219	1824.66	NMEA 0183	12	2
662270.4487	4051496.92	28,200	-1.388281819	-109.185907	36.59517332	10/20/2012	114242	1825	NMEA 0183	12	2
662266.0287	4051488.185	28,200	-1.388281819	-109.1859582	36.59509537	10/20/2012	114342	1824.57	NMEA 0183	12	2
662261.361	4051476.457	28,200	-1.388281819	-109.1860128	36.59499048	10/20/2012	114429	1824.45	NMEA 0183	12	2
662274.5016	4051491.288	28,200	-1.388281819	-109.1858629	36.59512188	10/20/2012	114449	1824.74	NMEA 0183	12	2
662266.2277	4051478.043	28,200	-1.388281819	-109.1859581	36.59500395	10/20/2012	114556	1824.45	NMEA 0183	12	2
662298.3936	4051507.818	28,200	-1.388281819	-109.1855924	36.59526677	10/20/2012	114807	1825.37	NMEA 0183	12	2
662310.7917	4051521.289	28,200	-1.388281819	-109.185451	36.59538603	10/20/2012	114825	1826.2	NMEA 0183	12	2
662328.5054	4051525.837	28,200	-1.388281819	-109.1852521	36.595424	10/20/2012	114947	1825.99	NMEA 0183	12	2
662306.68	4051506.26	28,200	-1.388281819	-109.1855001	36.59525132	10/20/2012	115022	1825.85	NMEA 0183	12	2
662262.2384	4051477.067	28,300	-1.336247268	-109.1860029	36.59499583	10/20/2012	102459	1824.58	NMEA 0183	12	2
662262.0272	4051477.272	28,300	-1.336247268	-109.1860052	36.59499772	10/20/2012	102505	1824.64	NMEA 0183	12	2
662261.4139	4051476.58	28,300	-1.336247268	-109.1860122	36.59499158	10/20/2012	102516	1825.08	NMEA 0183	12	2
662261.3586	4051476.507	28,300	-1.336247268	-109.1860128	36.59499093	10/20/2012	102531	1825.17	NMEA 0183	12	2
662287.24	4051488.867	28,300	-1.336247268	-109.185721	36.5950979	10/20/2012	102641	1825.49	NMEA 0183	12	2
662316.8164	4051510.837	28,300	-1.336247268	-109.1853859	36.59529083	10/20/2012	102715	1825.93	NMEA 0183	12	2
662320.3063	4051515.428	28,300	-1.336247268	-109.1853459	36.5953316	10/20/2012	102722	1825.94	NMEA 0183	12	2
662331.851	4051526.381	28,300	-1.336247268	-109.1852146	36.59542833	10/20/2012	102738	1826.29	NMEA 0183	12	2
662332.5214	4051526.817	28,300	-1.336247268	-109.185207	36.59543215	10/20/2012	102739	1826.34	NMEA 0183	12	2
662330.3009	4051527.902	28,300	-1.336247268	-109.1852316	36.5954423	10/20/2012	102854	1826.19	NMEA 0183	12	2
662330.4215	4051532.179	28,300	-1.336247268	-109.1852294	36.59548082	10/20/2012	102907	1826.66	NMEA 0183	12	2
662341.6489	4051543.5	28,300	-1.336247268	-109.1851015	36.59558092	10/20/2012	102927	1828.03	NMEA 0183	12	2
662345.7815	4051550.073	28,300	-1.336247268	-109.1850539	36.59563943	10/20/2012	102952	1827.44	NMEA 0183	12	2
662342.294	4051546.62	28,300	-1.336247268	-109.1850936	36.59560892	10/20/2012	103016	1827.6	NMEA 0183	12	2
662342.4468	4051546.584	28,300	-1.336247268	-109.1850919	36.59560857	10/20/2012	103023	1827.46	NMEA 0183	12	2
662342.191	4051546.701	28,300	-1.336247268	-109.1850948	36.59560967	10/20/2012	103038	1827.47	NMEA 0183	12	2
662338.3288	4051543.741	28,300	-1.336247268	-109.1851386	36.59558365	10/20/2012	103056	1828.64	NMEA 0183	12	2
662332.8245	4051539.116	28,300	-1.336247268	-109.185201	36.59554292	10/20/2012	103104	1828.04	NMEA 0183	12	2
662340.5415	4051551.986	28,300	-1.336247268	-109.1851121	36.59565757	10/20/2012	103207	1828.39	NMEA 0183	12	2
662343.4475	4051552.905	28,300	-1.336247268	-109.1850794	36.59566535	10/20/2012	103212	1828.18	NMEA 0183	12	2
662340.9322	4051553.414	28,300	-1.336247268	-109.1851074	36.59567037	10/20/2012	103232	1827.99	NMEA 0183	12	2
662339.84	4051552.565	28,300	-1.336247268	-109.1851198	36.59566629	10/20/2012	103239	1828.51	NMEA 0183	12	2
662339.8891	4051552.495	28,300	-1.336247268	-109.1851193	36.59566227	10/20/2012	103240	1828.68	NMEA 0183	12	2
662339.5605	4051552.204	28,300	-1.336247268	-109.185123	36.5956597	10/20/2012	103241	1828.66	NMEA 0183	12	2
662331.3369	4051546.962	28,300	-1.336247268	-109.185216	36.59561387	10/20/2012	103252	1827.4	NMEA 0183	12	2
662326.5211	4051545.371	28,300	-1.336247268	-109.1852702	36.59560035	10/20/2012	103347	1828.21	NMEA 0183	12	2
662315.6067	4051540.929	28,300	-1.336247268	-109.1853931	36.59556218	10/20/2012	103513	1826.26	NMEA 0183	12	2
662316.8835	4051544.792	28,300	-1.336247268	-109.185378	36.59559677	10/20/2012	103530	1826.29	NMEA 0183	12	2
662317.8897	4051545.219	28,300	-1.336247268	-109.1853666	36.59560045	10/20/2012	103531	1826.27	NMEA 0183	12	2
662310.1541	4051542.171	28,300	-1.336247268	-109.1854537	36.5955743	10/20/2012	103808	1826.46	NMEA 0183	12	2
662317.4779	4051552.251	28,300	-1.336247268	-109.1853698	36.59566388	10/20/2012	103819	1826.64	NMEA 0183	12	2
662329.2442	4051570.344	28,300	-1.336247268	-109.1852345	36.5958249	10/20/2012	103944	1827.84	NMEA 0183	12	2
662305.54	4051541.904	28,300	-1.336247268	-109.1855053	36.59557268	10/20/2012	104031	1826.52	NMEA 0183	12	2
662304.1486	4051543.001	28,300	-1.336247268	-109.1855207	36.5955828	10/20/2012	104037	1826.51	NMEA 0183	12	2
662333.8873	4051589.291	28,300	-1.336247268	-109.1851786	36.59599483	10/20/2012	104154	1831.17	NMEA 0183	12	2
662316.46	4051562.002	28,300	-1.336247268	-109.1853791	36.59575192	10/20/2012	104237	1827.06	NMEA 0183	12	2
662306.0909	4051549.852	28,300	-1.336247268	-109.1854975	36.5956442	10/20/2012	104251	1826.93	NMEA 0183	12	2
662305.5363	4051549.127	28,300	-1.336247268	-109.1855039	36.59563777	10/20/2012	104252	1826.73	NMEA 0183	12	2
662319.3157	4051593.222	28,300	-1.336247268	-109.1853406	36.59603273	10/20/2012	104655	1830.96	NMEA 0183	12	2
662318.5068	4051593.328	28,300	-1.336247268	-109.1853496	36.59603383	10/20/2012	104712	1830.79	NMEA 0183	12	2
662326.4269	4051599.475	28,300	-1.336247268	-109.1852598	36.59608787	10/20/2012	104747	1830.89	NMEA 0183	12	2
662329.8918	4051589.513	28,300	-1.336247268	-109.1852232	36.59599752	10/20/2012	104829	1830.65	NMEA 0183	12	2
662328.7656	4051591.652	28,300	-1.336247268	-109.1852353	36.59601698	10/20/2012	105008	1831.09	NMEA 0183	12	2
662328.8267	4051591.578	28,300	-1.336247268	-109.1852346	36.5960163	10/20/2012	105010	1831.06	NMEA 0183	12	2
662329.3639	4051591.246	28,300	-1.336247268	-109.1852287	36.59601322	10/20/2012	105027	1830.97	NMEA 0183	12	2
662329.3023	4051591.272	28,300	-1.336247268	-109.1852294	36.59601347	10/20/2012	105052	1831	NMEA 0183	12	2
662329.4758	4051591.089	28,300	-1.336247268	-109.1852275	36.59601178	10/20/2012	105107	1830.96	NMEA 0183	12	2
662329.8164	4051591.374	28,300	-1.336247268	-109.1852236	36.5960143	10/20/2012	105157	1831.02	NMEA 0183	12	2
662330.1145	4051590.91	28,300	-1.336247268	-109.1852204	36.59601007	10/20/2012	105203	1830.82	NMEA 0183	12	2
662329.9912	4051590.887	28,300	-1.336247268	-109.1852218	36.59600988	10/20/2012	105318	1830.66	NMEA 0183	12	2
662328.99	4051595.326	28,300	-1.336247268	-109.185232	36.59605005	10/20/2012	105337	1830.88	NMEA 0183	12	2
662312.9451	4051559.528	28,300	-1.336247268	-109.1854189	36.59573022	10/20/2012	105654	1826.38	NMEA 0183	12	2
662315.2285	4051552.899	28,300	-1.336247268	-109.1853948	36.5956701	10/20/2012	105739	1826.42	NMEA 0183	12	2
662315.2208	4051552.912	28,300	-1.336247268	-109.1853948	36.59567022	10/20/2012	105752	1826.46	NMEA 0183	12	2
662315.2257	4051552.888	28,300	-1.336247268	-109.1853948	36.59567	10/20/2012	105802	1826.51	NMEA 0183	12	2
662315.2116	4051552.924	28,300	-1.336247268	-109.1853949	36.59567033	10/20/2012	105817	1826.51	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662315.2163	4051552.91	28,300	-1.336247268	-109.1853949	36.5956702	10/20/2012	105819	1826.53	NMEA 0183	12	2
662315.2148	4051552.913	28,300	-1.336247268	-109.1853949	36.59567023	10/20/2012	105831	1826.57	NMEA 0183	12	2
662315.1148	4051552.917	28,300	-1.336247268	-109.185396	36.59567028	10/20/2012	105849	1826.5	NMEA 0183	12	2
662315.1232	4051552.943	28,300	-1.336247268	-109.1853959	36.59567052	10/20/2012	105900	1826.49	NMEA 0183	12	2
662308.3213	4051569.088	28,300	-1.336247268	-109.1854685	36.59581715	10/20/2012	110022	1827.67	NMEA 0183	12	2
662302.9849	4051569.951	28,300	-1.336247268	-109.185528	36.59582583	10/20/2012	110150	1827.11	NMEA 0183	12	2
662299.4041	4051564.249	28,300	-1.336247268	-109.1855692	36.59577507	10/20/2012	110253	1827.11	NMEA 0183	12	2
662301.5879	4051566.052	28,300	-1.336247268	-109.1855444	36.59579093	10/20/2012	110304	1827.29	NMEA 0183	12	2
662296.1663	4051573.553	28,300	-1.336247268	-109.1856034	36.59585945	10/20/2012	110327	1827.97	NMEA 0183	12	2
662297.1347	4051557.816	28,300	-1.336247268	-109.1855959	36.59571748	10/20/2012	110358	1826.67	NMEA 0183	12	2
662300.2161	4051551.42	28,300	-1.336247268	-109.1855628	36.59565933	10/20/2012	110410	1826.5	NMEA 0183	12	2
662294.439	4051556.738	28,300	-1.336247268	-109.1856263	36.59570823	10/20/2012	110437	1826.63	NMEA 0183	12	2
662291.4973	4051562.848	28,300	-1.336247268	-109.1856578	36.59576378	10/20/2012	110528	1826.76	NMEA 0183	12	2
662297.4667	4051542.603	28,300	-1.336247268	-109.1855954	36.59558035	10/20/2012	110557	1826.97	NMEA 0183	12	2
662310.6081	4051521.371	28,300	-1.336247268	-109.185453	36.5953868	10/20/2012	110634	1825.97	NMEA 0183	12	2
662311.6856	4051517.312	28,300	-1.336247268	-109.1854419	36.59535005	10/20/2012	110639	1825.89	NMEA 0183	12	2
662311.9006	4051516.51	28,300	-1.336247268	-109.1854396	36.59534278	10/20/2012	110640	1825.78	NMEA 0183	12	2
662313.86	4051510.691	28,300	-1.336247268	-109.185419	36.59529002	10/20/2012	110656	1826.45	NMEA 0183	12	2
662312.7167	4051511.444	28,300	-1.336247268	-109.1854316	36.595297	10/20/2012	110703	1826.8	NMEA 0183	12	2
662305.8818	4051526.571	28,300	-1.336247268	-109.1855048	36.59543447	10/20/2012	110740	1826.23	NMEA 0183	12	2
662288.1853	4051553.888	28,300	-1.336247268	-109.1856967	36.59568362	10/20/2012	110830	1826.67	NMEA 0183	12	2
662284.5817	4051575.06	28,300	-1.336247268	-109.1857325	36.595875	10/20/2012	110916	1828.25	NMEA 0183	12	2
662284.9085	4051552.23	28,300	-1.336247268	-109.1857337	36.59566923	10/20/2012	111008	1826.86	NMEA 0183	12	2
662304.9052	4051512.103	28,300	-1.336247268	-109.1855187	36.59530427	10/20/2012	111118	1826.18	NMEA 0183	12	2
662304.3948	4051512.826	28,300	-1.336247268	-109.1855243	36.59531087	10/20/2012	111120	1826.29	NMEA 0183	12	2
662300.0987	4051520.36	28,300	-1.336247268	-109.1855707	36.59537948	10/20/2012	111200	1826.36	NMEA 0183	12	2
662290.4731	4051539.443	28,300	-1.336247268	-109.1856742	36.59555307	10/20/2012	111229	1827.52	NMEA 0183	12	2
662286.9804	4051541.793	28,300	-1.336247268	-109.1857128	36.59557483	10/20/2012	111235	1827.26	NMEA 0183	12	2
662282.0724	4051554.243	28,300	-1.336247268	-109.185765	36.59568785	10/20/2012	111252	1827.01	NMEA 0183	12	2
662276.2903	4051567.488	28,300	-1.336247268	-109.1858268	36.59580818	10/20/2012	111310	1827.15	NMEA 0183	12	2
662275.9494	4051561.533	28,300	-1.336247268	-109.1858319	36.59575458	10/20/2012	111347	1826.97	NMEA 0183	12	2
662279.4757	4051551.003	28,300	-1.336247268	-109.1857947	36.5956591	10/20/2012	111402	1827.52	NMEA 0183	12	2
662299.2601	4051504.822	28,300	-1.336247268	-109.1855833	36.59523962	10/20/2012	111522	1825.11	NMEA 0183	12	2
662292.6249	4051509.136	28,300	-1.336247268	-109.1856566	36.59527962	10/20/2012	111836	1824.94	NMEA 0183	12	2
662293.0481	4051508.369	28,300	-1.336247268	-109.185652	36.59527263	10/20/2012	111838	1825	NMEA 0183	12	2
662291.2576	4051503.748	28,300	-1.336247268	-109.185673	36.5952313	10/20/2012	111859	1824.77	NMEA 0183	12	2
662290.4241	4051505.944	28,300	-1.336247268	-109.1856818	36.59525123	10/20/2012	111902	1824.85	NMEA 0183	12	2
662285.5695	4051518.175	28,300	-1.336247268	-109.1857335	36.59536227	10/20/2012	111919	1825.29	NMEA 0183	12	2
662279.2423	4051526.477	28,300	-1.336247268	-109.1858025	36.59543815	10/20/2012	111939	1826.97	NMEA 0183	12	2
662271.2404	4051544.801	28,300	-1.336247268	-109.185888	36.59560462	10/20/2012	112032	1827.16	NMEA 0183	12	2
662271.2178	4051545.448	28,300	-1.336247268	-109.1858881	36.59561045	10/20/2012	112046	1827.28	NMEA 0183	12	2
662271.2599	4051545.506	28,300	-1.336247268	-109.1858876	36.59561097	10/20/2012	112049	1827.34	NMEA 0183	12	2
662271.2598	4051545.83	28,300	-1.336247268	-109.1858876	36.59561388	10/20/2012	112107	1827.53	NMEA 0183	12	2
662261.5897	4051566.325	28,300	-1.336247268	-109.1859913	36.5958002	10/20/2012	112212	1829.29	NMEA 0183	12	2
662256.8005	4051566.482	28,300	-1.336247268	-109.1860448	36.59580243	10/20/2012	112220	1829.68	NMEA 0183	12	2
662262.9539	4051555.374	28,300	-1.336247268	-109.1859784	36.5957013	10/20/2012	112242	1829.19	NMEA 0183	12	2
662274.5325	4051533.804	28,300	-1.336247268	-109.1858535	36.59550497	10/20/2012	112319	1827.77	NMEA 0183	12	2
662274.857	4051533.364	28,300	-1.336247268	-109.18585	36.59550095	10/20/2012	112320	1827.73	NMEA 0183	12	2
662287.5926	4051497.289	28,300	-1.336247268	-109.1857153	36.59517373	10/20/2012	112434	1824.87	NMEA 0183	12	2
662268.6623	4051538.922	28,300	-1.336247268	-109.1859181	36.59555208	10/20/2012	112613	1826.56	NMEA 0183	12	2
662266.4096	4051539.978	28,300	-1.336247268	-109.185943	36.59556198	10/20/2012	112619	1826.34	NMEA 0183	12	2
662257.5691	4051553.186	28,300	-1.336247268	-109.186039	36.5956825	10/20/2012	112642	1826.67	NMEA 0183	12	2
662251.068	4051550.72	28,300	-1.336247268	-109.1861122	36.59566138	10/20/2012	113047	1826.1	NMEA 0183	12	2
662232.79	4051499.823	28,300	-1.336247268	-109.1863272	36.59520588	10/20/2012	113346	1825.58	NMEA 0183	12	2
662227.5566	4051486.769	28,300	-1.336247268	-109.1863884	36.59508915	10/20/2012	113544	1825.05	NMEA 0183	12	2
662248.8394	4051504.363	28,300	-1.336247268	-109.1861469	36.59524407	10/20/2012	113621	1825.18	NMEA 0183	12	2
662252.4021	4051503.837	28,300	-1.336247268	-109.1861072	36.59523872	10/20/2012	113728	1825.35	NMEA 0183	12	2
662262.1092	4051510.139	28,300	-1.336247268	-109.1859974	36.59529385	10/20/2012	113853	1825.29	NMEA 0183	12	2
662242.1159	4051477.492	28,300	-1.336247268	-109.1862277	36.59500308	10/20/2012	114001	1824.71	NMEA 0183	12	2
662250.2425	4051481.633	28,300	-1.336247268	-109.186136	36.59503902	10/20/2012	114025	1824.8	NMEA 0183	12	2
662265.3913	4051500.775	28,300	-1.336247268	-109.1859627	36.59520892	10/20/2012	114134	1825.09	NMEA 0183	12	2
662260.8488	4051485.413	28,300	-1.336247268	-109.1860167	36.59507127	10/20/2012	114228	1824.69	NMEA 0183	12	2
662279.7399	4051514.266	28,300	-1.336247268	-109.1857995	36.59532803	10/20/2012	114303	1825.32	NMEA 0183	12	2
662264.8049	4051486.486	28,300	-1.336247268	-109.1859722	36.59508027	10/20/2012	114344	1824.53	NMEA 0183	12	2
662256.7479	4051470.919	28,300	-1.336247268	-109.1860655	36.59494137	10/20/2012	114422	1824.55	NMEA 0183	12	2
662266.7117	4051481.633	28,300	-1.336247268	-109.1859519	36.59503622	10/20/2012	114437	1824.52	NMEA 0183	12	2
662273.7138	4051490.748	28,300	-1.336247268	-109.1858718	36.59511715	10/20/2012	114448	1824.7	NMEA 0183	12	2
662286.3255	4051508.861	28,300	-1.336247268	-109.185727	36.59527822	10/20/2012	114513	1825.13	NMEA 0183	12	2
662276.9825	4051498.52	28,300	-1.336247268	-109.1858355	36.59510553	10/20/2012	114540	1824.69	NMEA 0183	12	2
662266.9825	4051476.931	28,300	-1.336247268	-109.1859499	36.5949938	10/20/2012	114624	1824.32	NMEA 0183	12	2
662302.5565	4051514.13	28,300	-1.336247268	-109.1855445	36.59532293	10/20/2012	114814	1825.81	NMEA 0183	12	2
662306.2324	4051537.621	28,300	-1.336247268	-109.1854985	36.59553397	10/20/2012	114850	1826.49	NMEA 0183	12	2
662318.3965	4051516.094	28,300	-1.336247268	-109.1853671	36.59533793	10/20/2012	115002	1826.16	NMEA 0183	12	2
662311.494	4051506.608	28,300	-1.336247268	-109.1854463	36.59525363	10/20/2012	115017	1825.6	NMEA 0183	12	2
662316.0712	4051510.252	28,400	-1.284212717	-109.1853943	36.59528568	10/20/2012	102714	1825.89	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662324.8242	4051520.078	28,400	-1.284212717	-109.1852945	36.59537273	10/20/2012	102728	1825.96	NMEA 0183	12	2
662337.8967	4051531.797	28,400	-1.284212717	-109.1851459	36.5954761	10/20/2012	102747	1826.55	NMEA 0183	12	2
662340.1124	4051536.881	28,400	-1.284212717	-109.1851201	36.59552153	10/20/2012	102837	1827.6	NMEA 0183	12	2
662329.0428	4051530.786	28,400	-1.284212717	-109.1852451	36.5954685	10/20/2012	102905	1826.27	NMEA 0183	12	2
662350.7194	4051552.389	28,400	-1.284212717	-109.1849983	36.59565947	10/20/2012	102946	1827.12	NMEA 0183	12	2
662342.2821	4051546.618	28,400	-1.284212717	-109.1850938	36.5956089	10/20/2012	103018	1827.55	NMEA 0183	12	2
662342.3688	4051546.686	28,400	-1.284212717	-109.1850928	36.5956095	10/20/2012	103028	1827.38	NMEA 0183	12	2
662340.9606	4051546.7	28,400	-1.284212717	-109.1851085	36.59560987	10/20/2012	103051	1828.18	NMEA 0183	12	2
662336.8671	4051542.557	28,400	-1.284212717	-109.1851551	36.59557323	10/20/2012	103058	1828.84	NMEA 0183	12	2
662339.8567	4051552.473	28,400	-1.284212717	-109.1851196	36.59566207	10/20/2012	103236	1828.54	NMEA 0183	12	2
662315.5918	4051533.743	28,400	-1.284212717	-109.1853947	36.59549743	10/20/2012	103325	1827.69	NMEA 0183	12	2
662342.3719	4051566.023	28,400	-1.284212717	-109.1850887	36.59578373	10/20/2012	103623	1828.8	NMEA 0183	12	2
662342.4288	4051566.801	28,400	-1.284212717	-109.1850879	36.59579073	10/20/2012	103624	1828.59	NMEA 0183	12	2
662338.3724	4051568.435	28,400	-1.284212717	-109.1851329	36.59580615	10/20/2012	103708	1827.3	NMEA 0183	12	2
662308.0045	4051539.665	28,400	-1.284212717	-109.1854783	36.59555208	10/20/2012	103756	1826.4	NMEA 0183	12	2
662321.7838	4051558.572	28,400	-1.284212717	-109.1853203	36.5957201	10/20/2012	103826	1826.9	NMEA 0183	12	2
662315.3463	4051552.057	28,400	-1.284212717	-109.1853928	36.59569853	10/20/2012	104054	1827.01	NMEA 0183	12	2
662325.6578	4051568.964	28,400	-1.284212717	-109.1852748	36.59581308	10/20/2012	104111	1827.72	NMEA 0183	12	2
662314.1572	4051559.236	28,400	-1.284212717	-109.1854054	36.59572738	10/20/2012	104240	1826.78	NMEA 0183	12	2
662312.7013	4051557.274	28,400	-1.284212717	-109.1854221	36.59570995	10/20/2012	104242	1826.65	NMEA 0183	12	2
662302.9271	4051547.972	28,400	-1.284212717	-109.1855333	36.5956278	10/20/2012	104255	1826.33	NMEA 0183	12	2
662306.4668	4051553.481	28,400	-1.284212717	-109.1854925	36.59567683	10/20/2012	104309	1827.18	NMEA 0183	12	2
662319.1604	4051572.304	28,400	-1.284212717	-109.1853467	36.59584428	10/20/2012	104340	1828.44	NMEA 0183	12	2
662329.6215	4051596.796	28,400	-1.284212717	-109.1852247	36.59606318	10/20/2012	104506	1830.94	NMEA 0183	12	2
662318.3676	4051579.296	28,400	-1.284212717	-109.1853541	36.59590742	10/20/2012	104614	1828.44	NMEA 0183	12	2
662319.1761	4051592.242	28,400	-1.284212717	-109.1853423	36.59602393	10/20/2012	104722	1830.59	NMEA 0183	12	2
662319.2002	4051592.232	28,400	-1.284212717	-109.1853421	36.59602383	10/20/2012	104725	1830.59	NMEA 0183	12	2
662322.5073	4051592.757	28,400	-1.284212717	-109.185305	36.596028	10/20/2012	104737	1831.01	NMEA 0183	12	2
662327.8295	4051597.94	28,400	-1.284212717	-109.1852444	36.5960738	10/20/2012	104812	1830.79	NMEA 0183	12	2
662329.0444	4051591.58	28,400	-1.284212717	-109.1852322	36.59601628	10/20/2012	104957	1831.06	NMEA 0183	12	2
662330.1218	4051590.999	28,400	-1.284212717	-109.1852203	36.59601087	10/20/2012	105245	1830.89	NMEA 0183	12	2
662330.0088	4051590.903	28,400	-1.284212717	-109.1852216	36.59601002	10/20/2012	105319	1830.69	NMEA 0183	12	2
662329.2172	4051591.75	28,400	-1.284212717	-109.1852302	36.59601778	10/20/2012	105330	1830.74	NMEA 0183	12	2
662321.642	4051599.797	28,400	-1.284212717	-109.1853132	36.59609158	10/20/2012	105448	1829.54	NMEA 0183	12	2
662313.0412	4051563.201	28,400	-1.284212717	-109.185417	36.5957633	10/20/2012	105647	1826.6	NMEA 0183	12	2
662313.1165	4051555.898	28,400	-1.284212717	-109.1854177	36.59569748	10/20/2012	105700	1826.3	NMEA 0183	12	2
662314.9937	4051552.852	28,400	-1.284212717	-109.1853974	36.59566972	10/20/2012	105726	1826.44	NMEA 0183	12	2
662314.9951	4051552.854	28,400	-1.284212717	-109.1853974	36.59566973	10/20/2012	105727	1826.43	NMEA 0183	12	2
662310.642	4051571.779	28,400	-1.284212717	-109.185442	36.595841	10/20/2012	105949	1827.67	NMEA 0183	12	2
662307.8924	4051570.003	28,400	-1.284212717	-109.1854731	36.59582547	10/20/2012	110020	1827.96	NMEA 0183	12	2
662308.5965	4051553.573	28,400	-1.284212717	-109.1854687	36.5956773	10/20/2012	110049	1827.25	NMEA 0183	12	2
662307.0366	4051564.697	28,400	-1.284212717	-109.1854838	36.5957778	10/20/2012	110114	1827.24	NMEA 0183	12	2
662306.9845	4051566.268	28,400	-1.284212717	-109.1854841	36.59579197	10/20/2012	110116	1827.45	NMEA 0183	12	2
662302.6822	4051573.341	28,400	-1.284212717	-109.1855306	36.59585643	10/20/2012	110144	1827.41	NMEA 0183	12	2
662302.3399	4051568.8	28,400	-1.284212717	-109.1855354	36.59581557	10/20/2012	110152	1827.1	NMEA 0183	12	2
662296.1605	4051566.201	28,400	-1.284212717	-109.185605	36.5957932	10/20/2012	110343	1826.95	NMEA 0183	12	2
662296.6992	4051558.84	28,400	-1.284212717	-109.1856006	36.59572678	10/20/2012	110356	1826.71	NMEA 0183	12	2
662292.8612	4051561.625	28,400	-1.284212717	-109.1856429	36.59575253	10/20/2012	110443	1826.69	NMEA 0183	12	2
662291.8945	4051558.318	28,400	-1.284212717	-109.1856544	36.5957229	10/20/2012	110534	1826.59	NMEA 0183	12	2
662291.7325	4051556.234	28,400	-1.284212717	-109.1856566	36.59570415	10/20/2012	110537	1826.59	NMEA 0183	12	2
662298.0239	4051542.005	28,400	-1.284212717	-109.1855893	36.59557487	10/20/2012	110558	1826.86	NMEA 0183	12	2
662304.2023	4051530.444	28,400	-1.284212717	-109.1855227	36.59546965	10/20/2012	110617	1826.26	NMEA 0183	12	2
662310.4356	4051522.057	28,400	-1.284212717	-109.1854548	36.59539302	10/20/2012	110633	1826.09	NMEA 0183	12	2
662312.5047	4051511.771	28,400	-1.284212717	-109.1854339	36.59529998	10/20/2012	110704	1826.79	NMEA 0183	12	2
662311.4615	4051513.224	28,400	-1.284212717	-109.1854452	36.59531325	10/20/2012	110708	1826.69	NMEA 0183	12	2
662306.5419	4051525.58	28,400	-1.284212717	-109.1854976	36.59542542	10/20/2012	110738	1826.23	NMEA 0183	12	2
662293.8899	4051545.695	28,400	-1.284212717	-109.1856347	36.59560882	10/20/2012	110816	1827.1	NMEA 0183	12	2
662291.7083	4051547.486	28,400	-1.284212717	-109.1856587	36.59562533	10/20/2012	110820	1826.79	NMEA 0183	12	2
662286.0116	4051560.477	28,400	-1.284212717	-109.1857196	36.59574335	10/20/2012	110839	1826.94	NMEA 0183	12	2
662282.7125	4051565.286	28,400	-1.284212717	-109.1857555	36.59578725	10/20/2012	110847	1827.11	NMEA 0183	12	2
662285.2018	4051572.32	28,400	-1.284212717	-109.1857262	36.5958502	10/20/2012	110912	1828.02	NMEA 0183	12	2
662277.6971	4051572.291	28,400	-1.284212717	-109.1858101	36.59585122	10/20/2012	110932	1827.32	NMEA 0183	12	2
662277.5048	4051571.024	28,400	-1.284212717	-109.1858125	36.59583983	10/20/2012	110934	1827.28	NMEA 0183	12	2
662281.3142	4051563.434	28,400	-1.284212717	-109.1857715	36.5957708	10/20/2012	110948	1827.17	NMEA 0183	12	2
662284.5272	4051552.991	28,400	-1.284212717	-109.1857378	36.59567615	10/20/2012	111007	1826.9	NMEA 0183	12	2
662300.1524	4051526.915	28,400	-1.284212717	-109.1855687	36.59543853	10/20/2012	111046	1826.17	NMEA 0183	12	2
662303.7823	4051513.51	28,400	-1.284212717	-109.185531	36.59531713	10/20/2012	111124	1825.85	NMEA 0183	12	2
662283.3163	4051548.717	28,400	-1.284212717	-109.1857522	36.59563785	10/20/2012	111245	1827.09	NMEA 0183	12	2
662276.6992	4051565.661	28,400	-1.284212717	-109.1858226	36.59579165	10/20/2012	111308	1827.07	NMEA 0183	12	2
662273.3255	4051572.214	28,400	-1.284212717	-109.1858589	36.59585127	10/20/2012	111318	1827.58	NMEA 0183	12	2
662291.3925	4051520.14	28,400	-1.284212717	-109.185668	36.59537898	10/20/2012	111545	1825.43	NMEA 0183	12	2
662282.7022	4051539.533	28,400	-1.284212717	-109.185761	36.59555552	10/20/2012	111612	1826.71	NMEA 0183	12	2
662277.2278	4051551.728	28,400	-1.284212717	-109.1858196	36.59566602	10/20/2012	111628	1826.92	NMEA 0183	12	2
662268.0656	4051564.993	28,400	-1.284212717	-109.1859192	36.5957871	10/20/2012	111709	1827.23	NMEA 0183	12	2
662284.9484	4051522.392	28,400	-1.284212717	-109.1857396	36.59540037	10/20/2012	111813	1825.43	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662294.953	4051504.246	28,400	-1.284212717	-109.1856316	36.59523517	10/20/2012	111845	1824.73	NMEA 0183	12	2
662274.1035	4051531.247	28,400	-1.284212717	-109.1858589	36.595482	10/20/2012	111952	1827.87	NMEA 0183	12	2
662273.6244	4051533.08	28,400	-1.284212717	-109.1858638	36.5954986	10/20/2012	111955	1827.86	NMEA 0183	12	2
662271.1083	4051545.401	28,400	-1.284212717	-109.1858894	36.59561005	10/20/2012	112041	1827.24	NMEA 0183	12	2
662271.2284	4051545.757	28,400	-1.284212717	-109.1858879	36.59561323	10/20/2012	112103	1827.51	NMEA 0183	12	2
662260.9288	4051566.02	28,400	-1.284212717	-109.1859988	36.59579757	10/20/2012	112215	1829.25	NMEA 0183	12	2
662263.2971	4051554.811	28,400	-1.284212717	-109.1859747	36.59569617	10/20/2012	112243	1829.24	NMEA 0183	12	2
662271.3705	4051544.391	28,400	-1.284212717	-109.1858866	36.5956009	10/20/2012	112301	1827.3	NMEA 0183	12	2
662284.2119	4051504.761	28,400	-1.284212717	-109.1857515	36.59524163	10/20/2012	112409	1824.91	NMEA 0183	12	2
662268.5484	4051538.872	28,400	-1.284212717	-109.1859193	36.59555165	10/20/2012	112602	1826.45	NMEA 0183	12	2
662250.5177	4051563.676	28,400	-1.284212717	-109.1861156	36.59577822	10/20/2012	112821	1826.88	NMEA 0183	12	2
662250.6081	4051562.758	28,400	-1.284212717	-109.1861148	36.59576993	10/20/2012	112906	1826.92	NMEA 0183	12	2
662245.9699	4051552.153	28,400	-1.284212717	-109.1861688	36.59567517	10/20/2012	113106	1827.08	NMEA 0183	12	2
662245.4361	4051552.539	28,400	-1.284212717	-109.1861747	36.59567873	10/20/2012	113129	1826.31	NMEA 0183	12	2
662252.0013	4051535.019	28,400	-1.284212717	-109.1861051	36.59551975	10/20/2012	113155	1826.44	NMEA 0183	12	2
662246.3583	4051514.357	28,400	-1.284212717	-109.1861725	36.59533453	10/20/2012	113219	1825.93	NMEA 0183	12	2
662231.2309	4051488.072	28,400	-1.284212717	-109.1863471	36.59510027	10/20/2012	113300	1825.09	NMEA 0183	12	2
662268.7474	4051535.677	28,400	-1.284212717	-109.1859178	36.59552283	10/20/2012	113436	1826.61	NMEA 0183	12	2
662243.6019	4051505.038	28,400	-1.284212717	-109.1862052	36.59525103	10/20/2012	113520	1825.68	NMEA 0183	12	2
662255.3257	4051489.128	28,400	-1.284212717	-109.1860776	36.59510568	10/20/2012	114033	1824.9	NMEA 0183	12	2
662263.6517	4051498.826	28,400	-1.284212717	-109.1859825	36.59519165	10/20/2012	114049	1825.04	NMEA 0183	12	2
662264.6594	4051498.068	28,400	-1.284212717	-109.1859714	36.59518465	10/20/2012	114137	1825.08	NMEA 0183	12	2
662263.3286	4051489.316	28,400	-1.284212717	-109.1859881	36.59510602	10/20/2012	114232	1824.73	NMEA 0183	12	2
662268.5739	4051484.119	28,400	-1.284212717	-109.1859306	36.5950583	10/20/2012	114440	1824.42	NMEA 0183	12	2
662272.4785	4051486.183	28,400	-1.284212717	-109.1858865	36.59507623	10/20/2012	114546	1824.54	NMEA 0183	12	2
662268.335	4051478.446	28,400	-1.284212717	-109.1859345	36.59500722	10/20/2012	114626	1824.27	NMEA 0183	12	2
662281.9417	4051492.762	28,400	-1.284212717	-109.1857794	36.5951339	10/20/2012	114732	1824.79	NMEA 0183	12	2
662283.306	4051492.551	28,400	-1.284212717	-109.1857642	36.59513177	10/20/2012	114736	1824.8	NMEA 0183	12	2
662294.7283	4051505.326	28,400	-1.284212717	-109.1856339	36.59524493	10/20/2012	114803	1825.19	NMEA 0183	12	2
662306.3291	4051538.348	28,400	-1.284212717	-109.1854973	36.5955405	10/20/2012	114851	1826.47	NMEA 0183	12	2
662312.4644	4051529.459	28,400	-1.284212717	-109.1854306	36.59545937	10/20/2012	114906	1826.11	NMEA 0183	12	2
662307.5561	4051506.545	28,400	-1.284212717	-109.1854903	36.59525373	10/20/2012	115021	1825.91	NMEA 0183	12	2
662261.4336	4051476.562	28,500	-1.232178166	-109.186012	36.59499142	10/20/2012	102514	1825.07	NMEA 0183	12	2
662274.0337	4051480.284	28,500	-1.232178166	-109.1858704	36.59502282	10/20/2012	102625	1825.09	NMEA 0183	12	2
662292.9946	4051494.456	28,500	-1.232178166	-109.1856555	36.59514728	10/20/2012	102648	1825.5	NMEA 0183	12	2
662353.2869	4051548.881	28,500	-1.232178166	-109.1849703	36.59562742	10/20/2012	102815	1827.29	NMEA 0183	12	2
662335.0559	4051531.686	28,500	-1.232178166	-109.1851777	36.59547558	10/20/2012	102846	1826.75	NMEA 0183	12	2
662330.6461	4051528.58	28,500	-1.232178166	-109.1852276	36.59544835	10/20/2012	102853	1826.29	NMEA 0183	12	2
662332.7658	4051535.669	28,500	-1.232178166	-109.1852024	36.59551187	10/20/2012	102912	1827.77	NMEA 0183	12	2
662340.7217	4051546.318	28,500	-1.232178166	-109.1851113	36.59560647	10/20/2012	103052	1828.3	NMEA 0183	12	2
662319.673	4051528.506	28,500	-1.232178166	-109.1853502	36.59544955	10/20/2012	103126	1826.29	NMEA 0183	12	2
662343.1962	4051555.236	28,500	-1.232178166	-109.1850817	36.5956864	10/20/2012	103228	1827.56	NMEA 0183	12	2
662341.1249	4051552.846	28,500	-1.232178166	-109.1851054	36.59566522	10/20/2012	103233	1827.99	NMEA 0183	12	2
662333.8061	4051549.926	28,500	-1.232178166	-109.1851878	36.59564015	10/20/2012	103248	1827.35	NMEA 0183	12	2
662323.7233	4051538.647	28,500	-1.232178166	-109.1853028	36.59554023	10/20/2012	103305	1827.25	NMEA 0183	12	2
662337.7473	4051558.335	28,500	-1.232178166	-109.185142	36.59571525	10/20/2012	103432	1828	NMEA 0183	12	2
662313.1651	4051538.719	28,500	-1.232178166	-109.1854208	36.59554268	10/20/2012	103516	1826.18	NMEA 0183	12	2
662342.5603	4051567.656	28,500	-1.232178166	-109.1850862	36.59579842	10/20/2012	103625	1828.25	NMEA 0183	12	2
662311.8417	4051542.765	28,500	-1.232178166	-109.1854347	36.59557937	10/20/2012	103751	1826.06	NMEA 0183	12	2
662333.7188	4051572.232	28,500	-1.232178166	-109.1851841	36.59584115	10/20/2012	103844	1827.77	NMEA 0183	12	2
662311.7573	4051549.291	28,500	-1.232178166	-109.1854343	36.59563818	10/20/2012	104021	1826.85	NMEA 0183	12	2
662317.9829	4051559.234	28,500	-1.232178166	-109.1853626	36.59572672	10/20/2012	104058	1827.09	NMEA 0183	12	2
662329.7727	4051574.108	28,500	-1.232178166	-109.1852278	36.59585873	10/20/2012	104118	1828.68	NMEA 0183	12	2
662329.961	4051574.798	28,500	-1.232178166	-109.1852255	36.59586492	10/20/2012	104119	1829	NMEA 0183	12	2
662323.7311	4051570.132	28,500	-1.232178166	-109.1852961	36.59582393	10/20/2012	104222	1827.83	NMEA 0183	12	2
662306.6836	4051550.533	28,500	-1.232178166	-109.1854907	36.59565023	10/20/2012	104250	1826.9	NMEA 0183	12	2
662305.7115	4051552.567	28,500	-1.232178166	-109.1855012	36.59566873	10/20/2012	104308	1827.15	NMEA 0183	12	2
662320.9107	4051574	28,500	-1.232178166	-109.1853268	36.59585927	10/20/2012	104346	1828.65	NMEA 0183	12	2
662330.1722	4051596.936	28,500	-1.232178166	-109.1852185	36.59606435	10/20/2012	104505	1830.98	NMEA 0183	12	2
662321.7296	4051593.584	28,500	-1.232178166	-109.1853135	36.59603558	10/20/2012	104651	1831.42	NMEA 0183	12	2
662319.1963	4051592.202	28,500	-1.232178166	-109.1853421	36.59602357	10/20/2012	104726	1830.54	NMEA 0183	12	2
662325.1637	4051599.39	28,500	-1.232178166	-109.1852739	36.59608732	10/20/2012	104808	1830.3	NMEA 0183	12	2
662329.0672	4051591.558	28,500	-1.232178166	-109.185232	36.59601608	10/20/2012	104943	1830.86	NMEA 0183	12	2
662329.04	4051591.576	28,500	-1.232178166	-109.1852323	36.59601625	10/20/2012	104953	1830.98	NMEA 0183	12	2
662330.5138	4051591.645	28,500	-1.232178166	-109.1852158	36.59601662	10/20/2012	105137	1830.87	NMEA 0183	12	2
662329.8234	4051591.164	28,500	-1.232178166	-109.1852236	36.5960124	10/20/2012	105152	1830.94	NMEA 0183	12	2
662314.9786	4051552.859	28,500	-1.232178166	-109.1853976	36.59566978	10/20/2012	105712	1826.47	NMEA 0183	12	2
662315.2481	4051552.886	28,500	-1.232178166	-109.1853945	36.59566998	10/20/2012	105756	1826.58	NMEA 0183	12	2
662315.1902	4051552.872	28,500	-1.232178166	-109.1853952	36.59566987	10/20/2012	105825	1826.49	NMEA 0183	12	2
662315.097	4051552.909	28,500	-1.232178166	-109.1853962	36.59567022	10/20/2012	105854	1826.49	NMEA 0183	12	2
662314.6048	4051552.201	28,500	-1.232178166	-109.1854019	36.59566392	10/20/2012	105911	1826.46	NMEA 0183	12	2
662312.9989	4051552.648	28,500	-1.232178166	-109.1854197	36.59566822	10/20/2012	105915	1826.46	NMEA 0183	12	2
662312.8435	4051553.769	28,500	-1.232178166	-109.1854212	36.59567835	10/20/2012	105917	1826.48	NMEA 0183	12	2
662311.6753	4051562.078	28,500	-1.232178166	-109.1854325	36.59575342	10/20/2012	105931	1826.74	NMEA 0183	12	2
662308.5293	4051567.555	28,500	-1.232178166	-109.1854665	36.5958033	10/20/2012	110025	1827.47	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662307.2441	4051553.233	28,500	-1.232178166	-109.1854839	36.59567447	10/20/2012	110222	1826.96	NMEA 0183	12	2
662295.3378	4051569.01	28,500	-1.232178166	-109.1856136	36.59581865	10/20/2012	110338	1827.24	NMEA 0183	12	2
662295.8791	4051552.668	28,500	-1.232178166	-109.185611	36.59567132	10/20/2012	110428	1826.53	NMEA 0183	12	2
662290.9591	4051568.285	28,500	-1.232178166	-109.1856627	36.59581287	10/20/2012	110453	1827.28	NMEA 0183	12	2
662314.7774	4051511.313	28,500	-1.232178166	-109.1854086	36.59529547	10/20/2012	110651	1825.77	NMEA 0183	12	2
662284.8882	4051563.176	28,500	-1.232178166	-109.1857316	36.59576787	10/20/2012	110843	1827.1	NMEA 0183	12	2
662284.8908	4051574.489	28,500	-1.232178166	-109.1857292	36.5958698	10/20/2012	110915	1828.14	NMEA 0183	12	2
662284.0573	4051575.581	28,500	-1.232178166	-109.1857383	36.59587978	10/20/2012	110917	1828.43	NMEA 0183	12	2
662285.4403	4051549.895	28,500	-1.232178166	-109.1857283	36.5956481	10/20/2012	111011	1826.83	NMEA 0183	12	2
662296.3939	4051533.858	28,500	-1.232178166	-109.1856092	36.59550173	10/20/2012	111036	1826.74	NMEA 0183	12	2
662302.1425	4051521.917	28,500	-1.232178166	-109.1855475	36.59539317	10/20/2012	111053	1826.32	NMEA 0183	12	2
662303.6899	4051519.903	28,500	-1.232178166	-109.1855307	36.59537475	10/20/2012	111058	1826.52	NMEA 0183	12	2
662305.7426	4051516.17	28,500	-1.232178166	-109.1855085	36.59534077	10/20/2012	111106	1826.1	NMEA 0183	12	2
662303.0084	4051512.317	28,500	-1.232178166	-109.1855399	36.59530652	10/20/2012	111126	1825.58	NMEA 0183	12	2
662300.4605	4051517.076	28,500	-1.232178166	-109.1855673	36.59534983	10/20/2012	111155	1826.2	NMEA 0183	12	2
662282.286	4051553.357	28,500	-1.232178166	-109.1857628	36.59567983	10/20/2012	111251	1827.04	NMEA 0183	12	2
662280.0777	4051558.063	28,500	-1.232178166	-109.1857865	36.59572262	10/20/2012	111258	1826.98	NMEA 0183	12	2
662278.9043	4051559.305	28,500	-1.232178166	-109.1857993	36.595734	10/20/2012	111300	1826.95	NMEA 0183	12	2
662271.589	4051571.445	28,500	-1.232178166	-109.1858785	36.59584463	10/20/2012	111322	1828	NMEA 0183	12	2
662275.461	4051562.593	28,500	-1.232178166	-109.1858371	36.59576422	10/20/2012	111345	1827.04	NMEA 0183	12	2
662288.8841	4051532.602	28,500	-1.232178166	-109.1856934	36.5954917	10/20/2012	111430	1826.11	NMEA 0183	12	2
662297.8568	4051508.994	28,500	-1.232178166	-109.1855981	36.59527745	10/20/2012	111528	1825.27	NMEA 0183	12	2
662266.9235	4051553.439	28,500	-1.232178166	-109.1859344	36.59568318	10/20/2012	112125	1827.99	NMEA 0183	12	2
662257.3368	4051569.6	28,500	-1.232178166	-109.1860381	36.59583043	10/20/2012	112149	1829.2	NMEA 0183	12	2
662258.0396	4051560.342	28,500	-1.232178166	-109.1860322	36.5957469	10/20/2012	112232	1830.33	NMEA 0183	12	2
662264.5499	4051552.29	28,500	-1.232178166	-109.1859612	36.59567323	10/20/2012	112248	1828.57	NMEA 0183	12	2
662284.626	4051504.159	28,500	-1.232178166	-109.185747	36.59523613	10/20/2012	112410	1824.87	NMEA 0183	12	2
662289.1231	4051500.596	28,500	-1.232178166	-109.1856975	36.59520327	10/20/2012	112418	1824.96	NMEA 0183	12	2
662284.7193	4051500.64	28,500	-1.232178166	-109.1857467	36.59520442	10/20/2012	112440	1824.94	NMEA 0183	12	2
662267.4722	4051535.52	28,500	-1.232178166	-109.1859321	36.59552163	10/20/2012	112534	1826.13	NMEA 0183	12	2
662268.6697	4051538.922	28,500	-1.232178166	-109.185918	36.59555208	10/20/2012	112609	1826.48	NMEA 0183	12	2
662264.9445	4051541.974	28,500	-1.232178166	-109.185959	36.59558022	10/20/2012	112622	1826.37	NMEA 0183	12	2
662245.7338	4051539.848	28,500	-1.232178166	-109.1861741	36.59556433	10/20/2012	113148	1826.34	NMEA 0183	12	2
662253.8793	4051527.349	28,500	-1.232178166	-109.1860857	36.59545032	10/20/2012	113203	1826.31	NMEA 0183	12	2
662248.4762	4051519.021	28,500	-1.232178166	-109.1861478	36.5953762	10/20/2012	113214	1826	NMEA 0183	12	2
662247.0022	4051516.431	28,500	-1.232178166	-109.1861648	36.59535312	10/20/2012	113217	1825.95	NMEA 0183	12	2
662223.1149	4051485.348	28,500	-1.232178166	-109.1864383	36.5950771	10/20/2012	113329	1825.2	NMEA 0183	12	2
662237.4637	4051500.492	28,500	-1.232178166	-109.1862748	36.59521112	10/20/2012	113528	1825.77	NMEA 0183	12	2
662228.1562	4051487.797	28,500	-1.232178166	-109.1863815	36.59509832	10/20/2012	113543	1825.06	NMEA 0183	12	2
662226.2155	4051483.777	28,500	-1.232178166	-109.186404	36.59506242	10/20/2012	113547	1825.02	NMEA 0183	12	2
662225.6874	4051482.834	28,500	-1.232178166	-109.1864101	36.59505402	10/20/2012	113548	1824.95	NMEA 0183	12	2
662252.0615	4051509.788	28,500	-1.232178166	-109.1861097	36.5952924	10/20/2012	113627	1825.27	NMEA 0183	12	2
662266.2687	4051528.561	28,500	-1.232178166	-109.185947	36.59545913	10/20/2012	113649	1825.88	NMEA 0183	12	2
662238.8213	4051479.775	28,500	-1.232178166	-109.186264	36.59502422	10/20/2012	113806	1824.74	NMEA 0183	12	2
662245.8576	4051488.657	28,500	-1.232178166	-109.1861835	36.59510305	10/20/2012	113827	1824.81	NMEA 0183	12	2
662257.1494	4051502.898	28,500	-1.232178166	-109.1860543	36.59522945	10/20/2012	113844	1825.16	NMEA 0183	12	2
662263.1505	4051506.173	28,500	-1.232178166	-109.1859866	36.59525793	10/20/2012	113927	1825.5	NMEA 0183	12	2
662256.503	4051490.765	28,500	-1.232178166	-109.1860641	36.59512023	10/20/2012	114035	1825.02	NMEA 0183	12	2
662265.7156	4051501.769	28,500	-1.232178166	-109.1859588	36.59521782	10/20/2012	114133	1825.16	NMEA 0183	12	2
662252.107	4051476.807	28,500	-1.232178166	-109.1861162	36.59499522	10/20/2012	114217	1824.65	NMEA 0183	12	2
662255.0321	4051479.878	28,500	-1.232178166	-109.1860828	36.59502238	10/20/2012	114221	1824.65	NMEA 0183	12	2
662270.8834	4051497.83	28,500	-1.232178166	-109.1859019	36.59518145	10/20/2012	114243	1824.95	NMEA 0183	12	2
662250.7436	4051464.098	28,500	-1.232178166	-109.1861341	36.59488093	10/20/2012	114413	1824.3	NMEA 0183	12	2
662258.0303	4051472.674	28,500	-1.232178166	-109.1860508	36.59495697	10/20/2012	114424	1824.5	NMEA 0183	12	2
662263.1049	4051477.307	28,500	-1.232178166	-109.1859932	36.59499785	10/20/2012	114431	1824.47	NMEA 0183	12	2
662266.1938	4051480.865	28,500	-1.232178166	-109.1859579	36.59502938	10/20/2012	114436	1824.44	NMEA 0183	12	2
662282.8434	4051504.569	28,500	-1.232178166	-109.1857668	36.59524013	10/20/2012	114506	1824.98	NMEA 0183	12	2
662280.822	4051495.819	28,500	-1.232178166	-109.1857913	36.59516163	10/20/2012	114531	1824.86	NMEA 0183	12	2
662274.1085	4051485.724	28,500	-1.232178166	-109.1858684	36.59507182	10/20/2012	114635	1824.48	NMEA 0183	12	2
662283.5116	4051489.005	28,500	-1.232178166	-109.1857627	36.59509978	10/20/2012	114649	1825.07	NMEA 0183	12	2
662292.4432	4051502.409	28,500	-1.232178166	-109.18566	36.59521903	10/20/2012	114756	1825.09	NMEA 0183	12	2
662315.9296	4051514.119	28,500	-1.232178166	-109.1853951	36.59532055	10/20/2012	115006	1825.89	NMEA 0183	12	2
662303.4876	4051504.872	28,500	-1.232178166	-109.1855361	36.59523935	10/20/2012	115026	1825.56	NMEA 0183	12	2
662262.0769	4051477.245	28,600	-1.180143615	-109.1860047	36.59499747	10/20/2012	102438	1824.66	NMEA 0183	12	2
662264.3529	4051471.723	28,600	-1.180143615	-109.1859804	36.59494732	10/20/2012	102557	1825.08	NMEA 0183	12	2
662264.7426	4051472.644	28,600	-1.180143615	-109.1859758	36.59495555	10/20/2012	102614	1825.08	NMEA 0183	12	2
662265.2814	4051473.257	28,600	-1.180143615	-109.1859697	36.59496098	10/20/2012	102615	1825.06	NMEA 0183	12	2
662274.9814	4051480.804	28,600	-1.180143615	-109.1858597	36.59502733	10/20/2012	102626	1825.17	NMEA 0183	12	2
662351.4522	4051548.097	28,600	-1.180143615	-109.184991	36.59562067	10/20/2012	102820	1827.15	NMEA 0183	12	2
662328.2586	4051525.951	28,600	-1.180143615	-109.1852548	36.59542507	10/20/2012	102857	1825.95	NMEA 0183	12	2
662342.2228	4051546.598	28,600	-1.180143615	-109.1850944	36.59560873	10/20/2012	103015	1827.61	NMEA 0183	12	2
662333.4416	4051539.374	28,600	-1.180143615	-109.1851941	36.59554513	10/20/2012	103103	1828.25	NMEA 0183	12	2
662321.5406	4051530.942	28,600	-1.180143615	-109.1853289	36.59547118	10/20/2012	103129	1826.39	NMEA 0183	12	2
662334.5542	4051545.932	28,600	-1.180143615	-109.1851803	36.59560403	10/20/2012	103150	1827.64	NMEA 0183	12	2
662337.9543	4051551.88	28,600	-1.180143615	-109.185141	36.59565705	10/20/2012	103243	1828.03	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662335.2339	4051551.244	28,600	-1.180143615	-109.1851716	36.59565178	10/20/2012	103246	1827.53	NMEA 0183	12	2
662328.8899	4051543.853	28,600	-1.180143615	-109.185244	36.59558627	10/20/2012	103256	1827.18	NMEA 0183	12	2
662326.0799	4051544.564	28,600	-1.180143615	-109.1852753	36.59559315	10/20/2012	103346	1828.3	NMEA 0183	12	2
662348.3816	4051562.922	28,600	-1.180143615	-109.1850222	36.59575477	10/20/2012	103414	1827.56	NMEA 0183	12	2
662311.5055	4051536.72	28,600	-1.180143615	-109.1854398	36.59552495	10/20/2012	103519	1826.07	NMEA 0183	12	2
662323.3473	4051551.367	28,600	-1.180143615	-109.1853044	36.59565492	10/20/2012	103548	1826.63	NMEA 0183	12	2
662349.2128	4051570.871	28,600	-1.180143615	-109.1850112	36.59582625	10/20/2012	103644	1827.13	NMEA 0183	12	2
662322.8322	4051555.025	28,600	-1.180143615	-109.1853093	36.59568797	10/20/2012	103729	1826.39	NMEA 0183	12	2
662314.128	4051545.065	28,600	-1.180143615	-109.1854087	36.5955997	10/20/2012	103748	1826.07	NMEA 0183	12	2
662339.563	4051581.204	28,600	-1.180143615	-109.1851169	36.595921	10/20/2012	103902	1829.82	NMEA 0183	12	2
662336.8823	4051579.731	28,600	-1.180143615	-109.1851471	36.59590818	10/20/2012	103909	1829.89	NMEA 0183	12	2
662334.165	4051574.114	28,600	-1.180143615	-109.1851787	36.59585803	10/20/2012	103924	1828.06	NMEA 0183	12	2
662316.8794	4051555.277	28,600	-1.180143615	-109.1853758	36.59569125	10/20/2012	104013	1826.85	NMEA 0183	12	2
662309.3655	4051546.494	28,600	-1.180143615	-109.1854616	36.59561338	10/20/2012	104025	1826.78	NMEA 0183	12	2
662315.9918	4051556.705	28,600	-1.180143615	-109.1853854	36.59570427	10/20/2012	104055	1826.96	NMEA 0183	12	2
662330.6672	4051577.05	28,600	-1.180143615	-109.1852171	36.59588508	10/20/2012	104123	1829.73	NMEA 0183	12	2
662334.4137	4051588.901	28,600	-1.180143615	-109.1851728	36.59599123	10/20/2012	104145	1830.93	NMEA 0183	12	2
662321.7944	4051567.41	28,600	-1.180143615	-109.1853183	36.59579973	10/20/2012	104229	1827.45	NMEA 0183	12	2
662327.3662	4051585.592	28,600	-1.180143615	-109.1852522	36.59596262	10/20/2012	104244	1830.66	NMEA 0183	12	2
662328.9012	4051588.185	28,600	-1.180143615	-109.1852345	36.59598572	10/20/2012	104428	1830.79	NMEA 0183	12	2
662324.0153	4051588.331	28,600	-1.180143615	-109.1852891	36.59598787	10/20/2012	104451	1830.87	NMEA 0183	12	2
662322.0161	4051587.888	28,600	-1.180143615	-109.1853115	36.59598422	10/20/2012	104635	1830.97	NMEA 0183	12	2
662319.2098	4051592.352	28,600	-1.180143615	-109.1853419	36.59602492	10/20/2012	104730	1830.46	NMEA 0183	12	2
662329.2954	4051591.318	28,600	-1.180143615	-109.1852295	36.59601388	10/20/2012	105041	1831.1	NMEA 0183	12	2
662329.3375	4051591.067	28,600	-1.180143615	-109.185229	36.59601162	10/20/2012	105115	1830.96	NMEA 0183	12	2
662330.3214	4051591.408	28,600	-1.180143615	-109.185218	36.59601452	10/20/2012	105139	1831.08	NMEA 0183	12	2
662330.1467	4051591.022	28,600	-1.180143615	-109.18522	36.59601107	10/20/2012	105207	1830.83	NMEA 0183	12	2
662330.2474	4051590.979	28,600	-1.180143615	-109.1852189	36.59601067	10/20/2012	105248	1830.89	NMEA 0183	12	2
662329.6588	4051591.035	28,600	-1.180143615	-109.1852255	36.59601127	10/20/2012	105327	1830.7	NMEA 0183	12	2
662328.7306	4051592.715	28,600	-1.180143615	-109.1852355	36.59602657	10/20/2012	105332	1830.74	NMEA 0183	12	2
662312.7562	4051561.392	28,600	-1.180143615	-109.1854206	36.59574705	10/20/2012	105650	1826.49	NMEA 0183	12	2
662315.1599	4051552.894	28,600	-1.180143615	-109.1853955	36.59567007	10/20/2012	105827	1826.49	NMEA 0183	12	2
662315.1432	4051552.914	28,600	-1.180143615	-109.1853957	36.59567025	10/20/2012	105842	1826.49	NMEA 0183	12	2
662314.8739	4051552.641	28,600	-1.180143615	-109.1853988	36.59566783	10/20/2012	105909	1826.46	NMEA 0183	12	2
662312.3717	4051556.324	28,600	-1.180143615	-109.185426	36.59570145	10/20/2012	105922	1826.49	NMEA 0183	12	2
662308.847	4051562.815	28,600	-1.180143615	-109.185464	36.59576053	10/20/2012	110032	1827.12	NMEA 0183	12	2
662308.0771	4051558.72	28,600	-1.180143615	-109.1854734	36.59572377	10/20/2012	110100	1827.83	NMEA 0183	12	2
662303.0586	4051572.366	28,600	-1.180143615	-109.1855266	36.59584758	10/20/2012	110146	1827.25	NMEA 0183	12	2
662299.9854	4051568.689	28,600	-1.180143615	-109.1855618	36.59581497	10/20/2012	110308	1827.3	NMEA 0183	12	2
662295.3685	4051553.488	28,600	-1.180143615	-109.1856166	36.59567878	10/20/2012	110432	1826.55	NMEA 0183	12	2
662293.0537	4051560.75	28,600	-1.180143615	-109.1856409	36.59574462	10/20/2012	110442	1826.72	NMEA 0183	12	2
662290.786	4051573.897	28,600	-1.180143615	-109.1856635	36.59586347	10/20/2012	110503	1827.83	NMEA 0183	12	2
662312.5669	4051514.797	28,600	-1.180143615	-109.1854325	36.59532723	10/20/2012	110642	1825.82	NMEA 0183	12	2
662312.9134	4051511.455	28,600	-1.180143615	-109.1854294	36.59529707	10/20/2012	110659	1826.72	NMEA 0183	12	2
662309.944	4051519.497	28,600	-1.180143615	-109.1854609	36.59537003	10/20/2012	110726	1826.3	NMEA 0183	12	2
662295.048	4051544.473	28,600	-1.180143615	-109.185622	36.59559762	10/20/2012	110813	1827.61	NMEA 0183	12	2
662297.6677	4051531.803	28,600	-1.180143615	-109.1855954	36.5955483	10/20/2012	111039	1826.5	NMEA 0183	12	2
662307.2879	4051512.137	28,600	-1.180143615	-109.1854921	36.59530417	10/20/2012	111114	1826.13	NMEA 0183	12	2
662302.4045	4051511.753	28,600	-1.180143615	-109.1855467	36.59530153	10/20/2012	111148	1825.79	NMEA 0183	12	2
662297.3059	4051526.639	28,600	-1.180143615	-109.1856006	36.59543653	10/20/2012	111210	1826.47	NMEA 0183	12	2
662295.7733	4051528.968	28,600	-1.180143615	-109.1856172	36.59545778	10/20/2012	111214	1826.61	NMEA 0183	12	2
662275.3324	4051562.691	28,600	-1.180143615	-109.1858385	36.59576512	10/20/2012	111340	1826.99	NMEA 0183	12	2
662283.5958	4051541.967	28,600	-1.180143615	-109.1857505	36.59557698	10/20/2012	111416	1826.81	NMEA 0183	12	2
662300.4841	4051507.534	28,600	-1.180143615	-109.1855691	36.59526385	10/20/2012	111503	1825.15	NMEA 0183	12	2
662295.2136	4051511.539	28,600	-1.180143615	-109.1856271	36.59530083	10/20/2012	111533	1825.18	NMEA 0183	12	2
662286.4884	4051532.383	28,600	-1.180143615	-109.1857202	36.59549013	10/20/2012	111602	1826.33	NMEA 0183	12	2
662278.8758	4051545.176	28,600	-1.180143615	-109.1858026	36.5956067	10/20/2012	111620	1826.88	NMEA 0183	12	2
662268.5015	4051563.71	28,600	-1.180143615	-109.1859146	36.59577547	10/20/2012	111711	1827.23	NMEA 0183	12	2
662284.6423	4051523.83	28,600	-1.180143615	-109.1857427	36.59541338	10/20/2012	111805	1825.38	NMEA 0183	12	2
662279.6789	4051526.422	28,600	-1.180143615	-109.1857976	36.59543758	10/20/2012	111938	1826.78	NMEA 0183	12	2
662273.7385	4051531.778	28,600	-1.180143615	-109.1858628	36.59548685	10/20/2012	111953	1827.91	NMEA 0183	12	2
662273.4418	4051533.986	28,600	-1.180143615	-109.1858657	36.5955068	10/20/2012	111957	1827.71	NMEA 0183	12	2
662271.2486	4051544.842	28,600	-1.180143615	-109.1858879	36.59560498	10/20/2012	112019	1827.19	NMEA 0183	12	2
662271.2164	4051544.811	28,600	-1.180143615	-109.1858883	36.59560472	10/20/2012	112030	1827.1	NMEA 0183	12	2
662271.266	4051544.79	28,600	-1.180143615	-109.1858877	36.59560452	10/20/2012	112035	1827.17	NMEA 0183	12	2
662271.0949	4051545.401	28,600	-1.180143615	-109.1858895	36.59561005	10/20/2012	112040	1827.23	NMEA 0183	12	2
662259.3433	4051566.891	28,600	-1.180143615	-109.1860163	36.59580568	10/20/2012	112205	1829.49	NMEA 0183	12	2
662261.3113	4051566.062	28,600	-1.180143615	-109.1859945	36.59579788	10/20/2012	112214	1829.29	NMEA 0183	12	2
662257.3287	4051562.21	28,600	-1.180143615	-109.1860398	36.59576385	10/20/2012	112229	1830.57	NMEA 0183	12	2
662260.7462	4051557.599	28,600	-1.180143615	-109.1860026	36.59572172	10/20/2012	112238	1829.62	NMEA 0183	12	2
662280.4162	4051509.016	28,600	-1.180143615	-109.185793	36.59528062	10/20/2012	112451	1825.09	NMEA 0183	12	2
662273.3248	4051518.066	28,600	-1.180143615	-109.1858704	36.59536337	10/20/2012	112504	1825.61	NMEA 0183	12	2
662268.5444	4051538.844	28,600	-1.180143615	-109.1859194	36.5955514	10/20/2012	112544	1826.4	NMEA 0183	12	2
662268.3963	4051538.871	28,600	-1.180143615	-109.185921	36.59555167	10/20/2012	112553	1826.47	NMEA 0183	12	2
662268.3913	4051538.815	28,600	-1.180143615	-109.1859211	36.59555117	10/20/2012	112555	1826.5	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662250.4184	4051563.717	28,600	-1.180143615	-109.1861167	36.5957786	10/20/2012	112816	1826.83	NMEA 0183	12	2
662250.0215	4051561.75	28,600	-1.180143615	-109.1861215	36.59576095	10/20/2012	113035	1826.65	NMEA 0183	12	2
662244.8647	4051548.28	28,600	-1.180143615	-109.186182	36.59564045	10/20/2012	113140	1827.01	NMEA 0183	12	2
662239.9672	4051506.771	28,600	-1.180143615	-109.1862455	36.59526727	10/20/2012	113230	1825.88	NMEA 0183	12	2
662252.6219	4051518.504	28,600	-1.180143615	-109.1861016	36.59537083	10/20/2012	113412	1825.42	NMEA 0183	12	2
662256.0959	4051524.331	28,600	-1.180143615	-109.1860616	36.59542275	10/20/2012	113418	1825.49	NMEA 0183	12	2
662229.2573	4051489.986	28,600	-1.180143615	-109.1863687	36.59511785	10/20/2012	113541	1825.01	NMEA 0183	12	2
662266.0194	4051527.467	28,600	-1.180143615	-109.18595	36.59544932	10/20/2012	113648	1824.65	NMEA 0183	12	2
662249.3723	4051499.757	28,600	-1.180143615	-109.1861419	36.59520247	10/20/2012	113733	1825.33	NMEA 0183	12	2
662247.2408	4051490.442	28,600	-1.180143615	-109.1861677	36.5951189	10/20/2012	113829	1824.84	NMEA 0183	12	2
662248.5676	4051486.686	28,600	-1.180143615	-109.1861536	36.59508483	10/20/2012	113950	1825.02	NMEA 0183	12	2
662258.703	4051493.999	28,600	-1.180143615	-109.1860388	36.595149	10/20/2012	114039	1825.21	NMEA 0183	12	2
662261.2297	4051490.281	28,600	-1.180143615	-109.1860114	36.59511507	10/20/2012	114146	1824.75	NMEA 0183	12	2
662247.7582	4051472.911	28,600	-1.180143615	-109.1861656	36.59496085	10/20/2012	114206	1824.53	NMEA 0183	12	2
662273.4928	4051496.529	28,600	-1.180143615	-109.185873	36.59516928	10/20/2012	114330	1824.93	NMEA 0183	12	2
662259.8102	4051475.014	28,600	-1.180143615	-109.1860305	36.59497775	10/20/2012	114427	1824.42	NMEA 0183	12	2
662272.1925	4051489.324	28,600	-1.180143615	-109.1858891	36.59510458	10/20/2012	114446	1824.72	NMEA 0183	12	2
662259.3849	4051466.969	28,600	-1.180143615	-109.1860369	36.59490533	10/20/2012	114609	1824.36	NMEA 0183	12	2
662264.5748	4051473.634	28,600	-1.180143615	-109.1859775	36.5949645	10/20/2012	114620	1824.27	NMEA 0183	12	2
662286.8569	4051496.44	28,600	-1.180143615	-109.1857237	36.5951662	10/20/2012	114711	1824.81	NMEA 0183	12	2
662294.8103	4051499.009	28,600	-1.180143615	-109.1856343	36.595188	10/20/2012	114751	1825.02	NMEA 0183	12	2
662293.2277	4051501.149	28,600	-1.180143615	-109.1856515	36.59520755	10/20/2012	114754	1825.06	NMEA 0183	12	2
662307.7111	4051518.084	28,600	-1.180143615	-109.1854861	36.59535768	10/20/2012	114820	1826.27	NMEA 0183	12	2
662325.4216	4051526.83	28,600	-1.180143615	-109.1852864	36.59543347	10/20/2012	114942	1826.03	NMEA 0183	12	2
662328.2168	4051526.664	28,600	-1.180143615	-109.1852552	36.5954315	10/20/2012	114946	1826.01	NMEA 0183	12	2
662315.2746	4051513.422	28,600	-1.180143615	-109.1854026	36.59531438	10/20/2012	115007	1825.9	NMEA 0183	12	2
662270.6224	4051479.98	28,600	-1.180143615	-109.1859086	36.59502065	10/20/2012	115129	1824.63	NMEA 0183	12	2
662264.3818	4051471.768	28,700	-1.128109064	-109.1859801	36.59494772	10/20/2012	102556	1825.12	NMEA 0183	12	2
662264.1333	4051471.737	28,700	-1.128109064	-109.1859828	36.59494748	10/20/2012	102612	1825.04	NMEA 0183	12	2
662318.1383	4051513.89	28,700	-1.128109064	-109.1853705	36.59531812	10/20/2012	102719	1826.14	NMEA 0183	12	2
662340.7819	4051534.526	28,700	-1.128109064	-109.1851131	36.5955002	10/20/2012	102751	1826.56	NMEA 0183	12	2
662337.8027	4051534.56	28,700	-1.128109064	-109.1851464	36.59550102	10/20/2012	102842	1827.61	NMEA 0183	12	2
662346.3991	4051547.541	28,700	-1.128109064	-109.1850476	36.59561652	10/20/2012	102936	1827.13	NMEA 0183	12	2
662351.5783	4051551.608	28,700	-1.128109064	-109.1849888	36.59565228	10/20/2012	102943	1827.06	NMEA 0183	12	2
662348.9554	4051552.204	28,700	-1.128109064	-109.185018	36.5956581	10/20/2012	102948	1827.14	NMEA 0183	12	2
662341.8729	4051547.119	28,700	-1.128109064	-109.1850982	36.59561348	10/20/2012	103002	1827.13	NMEA 0183	12	2
662342.2717	4051546.614	28,700	-1.128109064	-109.1850939	36.59560887	10/20/2012	103017	1827.59	NMEA 0183	12	2
662342.4022	4051546.657	28,700	-1.128109064	-109.1850924	36.59560923	10/20/2012	103026	1827.41	NMEA 0183	12	2
662320.7608	4051529.977	28,700	-1.128109064	-109.1853378	36.59546262	10/20/2012	103128	1826.37	NMEA 0183	12	2
662342.999	4051552.645	28,700	-1.128109064	-109.1850845	36.59566308	10/20/2012	103211	1828.3	NMEA 0183	12	2
662348.4451	4051557.115	28,700	-1.128109064	-109.1850227	36.59570243	10/20/2012	103219	1827.26	NMEA 0183	12	2
662330.8942	4051556.267	28,700	-1.128109064	-109.185219	36.59569778	10/20/2012	103444	1827.86	NMEA 0183	12	2
662322.2094	4051550.489	28,700	-1.128109064	-109.1853173	36.5956472	10/20/2012	103538	1826.61	NMEA 0183	12	2
662339.9948	4051569.084	28,700	-1.128109064	-109.1851146	36.59581172	10/20/2012	103706	1827.52	NMEA 0183	12	2
662331.5482	4051563.177	28,700	-1.128109064	-109.1852102	36.59575993	10/20/2012	103717	1826.86	NMEA 0183	12	2
662322.3038	4051554.178	28,700	-1.128109064	-109.1853154	36.59568042	10/20/2012	103730	1826.38	NMEA 0183	12	2
662320.7025	4051552.098	28,700	-1.128109064	-109.1853338	36.59566195	10/20/2012	103733	1826.4	NMEA 0183	12	2
662305.6462	4051537.623	28,700	-1.128109064	-109.1855051	36.59553408	10/20/2012	103759	1826.33	NMEA 0183	12	2
662311.0039	4051542.905	28,700	-1.128109064	-109.1854441	36.59558077	10/20/2012	103809	1826.42	NMEA 0183	12	2
662330.5364	4051576.553	28,700	-1.128109064	-109.1852187	36.59588063	10/20/2012	104122	1829.64	NMEA 0183	12	2
662331.5683	4051586.197	28,700	-1.128109064	-109.1852051	36.59596735	10/20/2012	104200	1831.23	NMEA 0183	12	2
662324.6412	4051592.78	28,700	-1.128109064	-109.1852812	36.59602785	10/20/2012	104515	1830.74	NMEA 0183	12	2
662326.9107	4051598.574	28,700	-1.128109064	-109.1852546	36.59607967	10/20/2012	104745	1831.03	NMEA 0183	12	2
662328.9975	4051591.694	28,700	-1.128109064	-109.1852327	36.59601732	10/20/2012	104914	1830.6	NMEA 0183	12	2
662329.0203	4051591.672	28,700	-1.128109064	-109.1852325	36.59601712	10/20/2012	104916	1830.61	NMEA 0183	12	2
662329.3448	4051591.312	28,700	-1.128109064	-109.1852289	36.59601382	10/20/2012	105046	1830.98	NMEA 0183	12	2
662329.4634	4051591.031	28,700	-1.128109064	-109.1852276	36.59601127	10/20/2012	105104	1830.92	NMEA 0183	12	2
662330.0858	4051590.775	28,700	-1.128109064	-109.1852207	36.59600885	10/20/2012	105219	1830.87	NMEA 0183	12	2
662330.1797	4051591.011	28,700	-1.128109064	-109.1852196	36.59601097	10/20/2012	105258	1830.8	NMEA 0183	12	2
662329.9073	4051590.986	28,700	-1.128109064	-109.1852227	36.59601078	10/20/2012	105311	1830.75	NMEA 0183	12	2
662329.9353	4051590.922	28,700	-1.128109064	-109.1852224	36.5960102	10/20/2012	105314	1830.67	NMEA 0183	12	2
662329.5011	4051595.51	28,700	-1.128109064	-109.1852263	36.59605162	10/20/2012	105344	1830.91	NMEA 0183	12	2
662313.0571	4051564.1	28,700	-1.128109064	-109.1854167	36.5957714	10/20/2012	105645	1826.67	NMEA 0183	12	2
662312.8008	4051560.372	28,700	-1.128109064	-109.1854203	36.59573785	10/20/2012	105652	1826.41	NMEA 0183	12	2
662314.9463	4051552.912	28,700	-1.128109064	-109.1853979	36.59567027	10/20/2012	105707	1826.42	NMEA 0183	12	2
662314.9671	4051552.84	28,700	-1.128109064	-109.1853977	36.59566962	10/20/2012	105718	1826.43	NMEA 0183	12	2
662315.2087	4051552.917	28,700	-1.128109064	-109.185395	36.59567027	10/20/2012	105818	1826.51	NMEA 0183	12	2
662312.244	4051556.927	28,700	-1.128109064	-109.1854273	36.5957069	10/20/2012	105923	1826.55	NMEA 0183	12	2
662309.8909	4051569.14	28,700	-1.128109064	-109.185451	36.59581735	10/20/2012	105945	1827.24	NMEA 0183	12	2
662310.624	4051574.47	28,700	-1.128109064	-109.1854417	36.59586525	10/20/2012	105953	1827.82	NMEA 0183	12	2
662307.8395	4051571.147	28,700	-1.128109064	-109.1854735	36.59583578	10/20/2012	110018	1827.94	NMEA 0183	12	2
662308.3655	4051566.988	28,700	-1.128109064	-109.1854685	36.59579822	10/20/2012	110026	1827.46	NMEA 0183	12	2
662309.5963	4051560.017	28,700	-1.128109064	-109.1854562	36.5957352	10/20/2012	110036	1827.28	NMEA 0183	12	2
662308.3847	4051559.255	28,700	-1.128109064	-109.1854699	36.59572853	10/20/2012	110101	1827.55	NMEA 0183	12	2
662306.0735	4051557.409	28,700	-1.128109064	-109.1854961	36.5957123	10/20/2012	110214	1827.14	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662303.5457	4051555.262	28,700	-1.128109064	-109.1855248	36.59569338	10/20/2012	110236	1826.86	NMEA 0183	12	2
662296.1535	4051564.835	28,700	-1.128109064	-109.1856054	36.5957809	10/20/2012	110345	1826.83	NMEA 0183	12	2
662298.6675	4051554.678	28,700	-1.128109064	-109.1855794	36.59568895	10/20/2012	110404	1826.58	NMEA 0183	12	2
662299.781	4051539.313	28,700	-1.128109064	-109.1855702	36.59555032	10/20/2012	110602	1826.76	NMEA 0183	12	2
662301.9552	4051537.599	28,700	-1.128109064	-109.1855463	36.5955345	10/20/2012	110757	1826.74	NMEA 0183	12	2
662287.7709	4051544.242	28,700	-1.128109064	-109.1857034	36.59559677	10/20/2012	111019	1827.14	NMEA 0183	12	2
662288.6985	4051542.191	28,700	-1.128109064	-109.1856935	36.59557813	10/20/2012	111022	1827.16	NMEA 0183	12	2
662306.7995	4051515.098	28,700	-1.128109064	-109.1854969	36.59533093	10/20/2012	111108	1826.18	NMEA 0183	12	2
662307.808	4051513.268	28,700	-1.128109064	-109.185486	36.59531427	10/20/2012	111112	1826.25	NMEA 0183	12	2
662289.1781	4051539.86	28,700	-1.128109064	-109.1856886	36.59555705	10/20/2012	111231	1827.58	NMEA 0183	12	2
662272.3528	4051569.066	28,700	-1.128109064	-109.1858705	36.59582307	10/20/2012	111327	1827.8	NMEA 0183	12	2
662281.0365	4051546.547	28,700	-1.128109064	-109.1857782	36.59561868	10/20/2012	111409	1826.82	NMEA 0183	12	2
662298.0384	4051508.381	28,700	-1.128109064	-109.1855962	36.5952719	10/20/2012	111527	1825.24	NMEA 0183	12	2
662297.2571	4051509.395	28,700	-1.128109064	-109.1856048	36.59528117	10/20/2012	111529	1825.28	NMEA 0183	12	2
662294.18	4051513.671	28,700	-1.128109064	-109.1856382	36.59532022	10/20/2012	111536	1825.14	NMEA 0183	12	2
662286.4444	4051532.105	28,700	-1.128109064	-109.1857208	36.59548763	10/20/2012	111601	1826.25	NMEA 0183	12	2
662286.0403	4051533.679	28,700	-1.128109064	-109.185725	36.59550188	10/20/2012	111604	1826.16	NMEA 0183	12	2
662275.3695	4051555.511	28,700	-1.128109064	-109.1858396	36.59570042	10/20/2012	111633	1826.99	NMEA 0183	12	2
662267.5989	4051569.331	28,700	-1.128109064	-109.1859235	36.59582627	10/20/2012	111703	1827.36	NMEA 0183	12	2
662267.9828	4051565.742	28,700	-1.128109064	-109.18592	36.59579387	10/20/2012	111708	1827.31	NMEA 0183	12	2
662271.1579	4051556.358	28,700	-1.128109064	-109.1858865	36.59570877	10/20/2012	111721	1827.49	NMEA 0183	12	2
662276.5445	4051545.498	28,700	-1.128109064	-109.1858286	36.59561	10/20/2012	111737	1826.75	NMEA 0183	12	2
662279.6676	4051535.867	28,700	-1.128109064	-109.1857957	36.59552268	10/20/2012	111750	1825.99	NMEA 0183	12	2
662268.3939	4051551.082	28,700	-1.128109064	-109.1859185	36.5956617	10/20/2012	112122	1827.77	NMEA 0183	12	2
662263.4959	4051558.66	28,700	-1.128109064	-109.1859716	36.59573082	10/20/2012	112132	1828.25	NMEA 0183	12	2
662256.9908	4051570.148	28,700	-1.128109064	-109.1860419	36.59583543	10/20/2012	112150	1829.14	NMEA 0183	12	2
662261.5376	4051566.32	28,700	-1.128109064	-109.1859919	36.59580017	10/20/2012	112210	1829.29	NMEA 0183	12	2
662261.1625	4051557.12	28,700	-1.128109064	-109.185998	36.59571733	10/20/2012	112239	1829.52	NMEA 0183	12	2
662273.2691	4051535.154	28,700	-1.128109064	-109.1858674	36.59551735	10/20/2012	112316	1827.57	NMEA 0183	12	2
662278.1063	4051522.66	28,700	-1.128109064	-109.185816	36.59540395	10/20/2012	112344	1826.03	NMEA 0183	12	2
662282.161	4051511.163	28,700	-1.128109064	-109.1857731	36.59529967	10/20/2012	112400	1825.12	NMEA 0183	12	2
662271.4021	4051521.231	28,700	-1.128109064	-109.1858912	36.59539222	10/20/2012	112509	1825.27	NMEA 0183	12	2
662268.5366	4051538.866	28,700	-1.128109064	-109.1859195	36.5955516	10/20/2012	112541	1826.4	NMEA 0183	12	2
662250.003	4051563.76	28,700	-1.128109064	-109.1861213	36.59577907	10/20/2012	112842	1826.43	NMEA 0183	12	2
662249.7451	4051563.75	28,700	-1.128109064	-109.1861242	36.59577902	10/20/2012	112846	1826.37	NMEA 0183	12	2
662250.5077	4051562.623	28,700	-1.128109064	-109.1861159	36.59576873	10/20/2012	112954	1826.73	NMEA 0183	12	2
662250.8078	4051562.686	28,700	-1.128109064	-109.1861126	36.59576925	10/20/2012	113025	1826.77	NMEA 0183	12	2
662248.7519	4051536.33	28,700	-1.128109064	-109.1861411	36.59553212	10/20/2012	113152	1826.3	NMEA 0183	12	2
662253.0064	4051534.239	28,700	-1.128109064	-109.186094	36.59551255	10/20/2012	113156	1826.38	NMEA 0183	12	2
662234.0265	4051488.602	28,700	-1.128109064	-109.1863157	36.59510457	10/20/2012	113257	1825.22	NMEA 0183	12	2
662225.1127	4051494.791	28,700	-1.128109064	-109.186414	36.59516185	10/20/2012	113312	1825.47	NMEA 0183	12	2
662224.0799	4051493.562	28,700	-1.128109064	-109.1864258	36.59515095	10/20/2012	113314	1825.49	NMEA 0183	12	2
662223.0146	4051492.162	28,700	-1.128109064	-109.186438	36.59513852	10/20/2012	113316	1825.54	NMEA 0183	12	2
662252.1863	4051497.574	28,700	-1.128109064	-109.1861109	36.59518232	10/20/2012	113837	1825.17	NMEA 0183	12	2
662247.8842	4051485.752	28,700	-1.128109064	-109.1861615	36.59507653	10/20/2012	113951	1824.99	NMEA 0183	12	2
662247.8417	4051479.39	28,700	-1.128109064	-109.1861633	36.59501922	10/20/2012	114022	1824.78	NMEA 0183	12	2
662265.7628	4051503.377	28,700	-1.128109064	-109.185958	36.5952323	10/20/2012	114054	1825.11	NMEA 0183	12	2
662268.0174	4051507.432	28,700	-1.128109064	-109.1859319	36.59526845	10/20/2012	114058	1825.17	NMEA 0183	12	2
662262.5106	4051488.481	28,700	-1.128109064	-109.1859974	36.59509863	10/20/2012	114231	1824.65	NMEA 0183	12	2
662278.5478	4051505.914	28,700	-1.128109064	-109.1858146	36.59525298	10/20/2012	114316	1825.08	NMEA 0183	12	2
662264.2351	4051485.621	28,700	-1.128109064	-109.1859788	36.59507257	10/20/2012	114345	1824.51	NMEA 0183	12	2
662270.7296	4051486.626	28,700	-1.128109064	-109.185906	36.59508052	10/20/2012	114443	1824.46	NMEA 0183	12	2
662271.7199	4051488.365	28,700	-1.128109064	-109.1858946	36.59509602	10/20/2012	114445	1824.67	NMEA 0183	12	2
662304.2915	4051505.266	28,700	-1.128109064	-109.185527	36.59524277	10/20/2012	115025	1825.64	NMEA 0183	12	2
662273.2908	4051482.422	28,700	-1.128109064	-109.1858783	36.5950422	10/20/2012	115113	1824.75	NMEA 0183	12	2
662261.4171	4051476.565	28,800	-1.076074513	-109.1860122	36.59499145	10/20/2012	102532	1825.2	NMEA 0183	12	2
662264.4657	4051471.83	28,800	-1.076074513	-109.1859791	36.59494827	10/20/2012	102546	1825.09	NMEA 0183	12	2
662264.3927	4051471.744	28,800	-1.076074513	-109.1859799	36.5949475	10/20/2012	102547	1825.11	NMEA 0183	12	2
662264.2795	4051471.736	28,800	-1.076074513	-109.1859812	36.59494745	10/20/2012	102607	1825.05	NMEA 0183	12	2
662309.8853	4051506.023	28,800	-1.076074513	-109.1854644	36.59524863	10/20/2012	102707	1826.04	NMEA 0183	12	2
662318.841	4051514.279	28,800	-1.076074513	-109.1853625	36.5953215	10/20/2012	102720	1826.09	NMEA 0183	12	2
662321.0547	4051516.076	28,800	-1.076074513	-109.1853374	36.59533732	10/20/2012	102723	1825.99	NMEA 0183	12	2
662333.2595	4051527.536	28,800	-1.076074513	-109.1851986	36.5954385	10/20/2012	102740	1826.35	NMEA 0183	12	2
662348.5445	4051541.191	28,800	-1.076074513	-109.1850249	36.59555893	10/20/2012	102801	1826.73	NMEA 0183	12	2
662334.8839	4051539.133	28,800	-1.076074513	-109.185178	36.59554272	10/20/2012	102916	1828.15	NMEA 0183	12	2
662337.8599	4051541.085	28,800	-1.076074513	-109.1851444	36.5955598	10/20/2012	102921	1828.63	NMEA 0183	12	2
662342.3407	4051546.597	28,800	-1.076074513	-109.1850931	36.5956087	10/20/2012	103025	1827.45	NMEA 0183	12	2
662342.2841	4051546.512	28,800	-1.076074513	-109.1850938	36.59560795	10/20/2012	103040	1827.43	NMEA 0183	12	2
662342.3169	4051546.593	28,800	-1.076074513	-109.1850934	36.59560867	10/20/2012	103043	1827.51	NMEA 0183	12	2
662335.7628	4051541.402	28,800	-1.076074513	-109.1851677	36.59556302	10/20/2012	103100	1828.75	NMEA 0183	12	2
662333.2414	4051544.522	28,800	-1.076074513	-109.1851952	36.59559155	10/20/2012	103148	1827.5	NMEA 0183	12	2
662336.9939	4051548.085	28,800	-1.076074513	-109.1851526	36.59562302	10/20/2012	103157	1828.13	NMEA 0183	12	2
662335.8503	4051551.618	28,800	-1.076074513	-109.1851646	36.59565505	10/20/2012	103245	1827.66	NMEA 0183	12	2
662323.6614	4051542.08	28,800	-1.076074513	-109.1853028	36.59557118	10/20/2012	103341	1828.22	NMEA 0183	12	2
662325.4741	4051543.315	28,800	-1.076074513	-109.1852823	36.5955582	10/20/2012	103344	1828.38	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662335.4997	4051554.937	28,800	-1.076074513	-109.1851678	36.59568502	10/20/2012	103400	1827.84	NMEA 0183	12	2
662310.9071	4051536.971	28,800	-1.076074513	-109.1854464	36.59552732	10/20/2012	103520	1826.01	NMEA 0183	12	2
662332.1088	4051563.896	28,800	-1.076074513	-109.1852038	36.59576632	10/20/2012	103716	1826.86	NMEA 0183	12	2
662323.7872	4051556.664	28,800	-1.076074513	-109.1852983	36.59570257	10/20/2012	103727	1826.49	NMEA 0183	12	2
662316.2767	4051547.384	28,800	-1.076074513	-109.1853842	36.59562023	10/20/2012	103745	1826.13	NMEA 0183	12	2
662305.5593	4051539.382	28,800	-1.076074513	-109.1855057	36.59554995	10/20/2012	103803	1826.35	NMEA 0183	12	2
662325.689	4051560.604	28,800	-1.076074513	-109.1852762	36.59573775	10/20/2012	103830	1826.98	NMEA 0183	12	2
662340.1018	4051580.949	28,800	-1.076074513	-109.1851109	36.59591862	10/20/2012	103901	1829.67	NMEA 0183	12	2
662336.4232	4051579.162	28,800	-1.076074513	-109.1851524	36.59590313	10/20/2012	103910	1829.91	NMEA 0183	12	2
662320.6866	4051560.36	28,800	-1.076074513	-109.1853322	36.5957364	10/20/2012	104006	1826.85	NMEA 0183	12	2
662308.1081	4051544.84	28,800	-1.076074513	-109.185476	36.5955987	10/20/2012	104027	1826.62	NMEA 0183	12	2
662327.0134	4051570.316	28,800	-1.076074513	-109.1852594	36.59582503	10/20/2012	104113	1828.14	NMEA 0183	12	2
662309.0327	4051552.824	28,800	-1.076074513	-109.185464	36.59567048	10/20/2012	104247	1826.85	NMEA 0183	12	2
662304.7093	4051548.694	28,800	-1.076074513	-109.1855132	36.595634	10/20/2012	104253	1826.68	NMEA 0183	12	2
662332.218	4051592.385	28,800	-1.076074513	-109.1851966	36.596023	10/20/2012	104435	1830.75	NMEA 0183	12	2
662324.3973	4051585.952	28,800	-1.076074513	-109.1852853	36.59596637	10/20/2012	104448	1830.45	NMEA 0183	12	2
662323.1097	4051588.347	28,800	-1.076074513	-109.1852992	36.59598817	10/20/2012	104521	1830.51	NMEA 0183	12	2
662323.0075	4051587.519	28,800	-1.076074513	-109.1853005	36.59598072	10/20/2012	104522	1830.33	NMEA 0183	12	2
662323.0321	4051586.69	28,800	-1.076074513	-109.1853004	36.59597325	10/20/2012	104523	1830.23	NMEA 0183	12	2
662322.888	4051584.129	28,800	-1.076074513	-109.1853026	36.5959502	10/20/2012	104526	1829.59	NMEA 0183	12	2
662318.6256	4051575.825	28,800	-1.076074513	-109.185352	36.5958761	10/20/2012	104540	1829.05	NMEA 0183	12	2
662315.8159	4051571.864	28,800	-1.076074513	-109.1853842	36.59584088	10/20/2012	104551	1828.49	NMEA 0183	12	2
662317.3915	4051592.597	28,800	-1.076074513	-109.1853622	36.59602743	10/20/2012	104700	1830.52	NMEA 0183	12	2
662329.0837	4051591.551	28,800	-1.076074513	-109.1852318	36.59601602	10/20/2012	104932	1830.72	NMEA 0183	12	2
662329.3321	4051591.274	28,800	-1.076074513	-109.1852291	36.59601348	10/20/2012	105030	1831.03	NMEA 0183	12	2
662329.3273	4051591.291	28,800	-1.076074513	-109.1852291	36.59601363	10/20/2012	105042	1831.08	NMEA 0183	12	2
662329.3364	4051591.282	28,800	-1.076074513	-109.185229	36.59601355	10/20/2012	105050	1831	NMEA 0183	12	2
662329.6714	4051591.077	28,800	-1.076074513	-109.1852253	36.59601165	10/20/2012	105155	1830.85	NMEA 0183	12	2
662315.2356	4051552.914	28,800	-1.076074513	-109.1853947	36.59567023	10/20/2012	105746	1826.44	NMEA 0183	12	2
662315.2373	4051552.905	28,800	-1.076074513	-109.1853947	36.59567015	10/20/2012	105748	1826.47	NMEA 0183	12	2
662313.7156	4051551.899	28,800	-1.076074513	-109.1854119	36.59566135	10/20/2012	105913	1826.46	NMEA 0183	12	2
662306.8153	4051572.7	28,800	-1.076074513	-109.1854846	36.59584995	10/20/2012	110015	1827.74	NMEA 0183	12	2
662302.5881	4051569.318	28,800	-1.076074513	-109.1855325	36.5958202	10/20/2012	110151	1827.06	NMEA 0183	12	2
662296.0312	4051563.57	28,800	-1.076074513	-109.185607	36.59576952	10/20/2012	110347	1826.83	NMEA 0183	12	2
662296.1412	4051562.88	28,800	-1.076074513	-109.1856059	36.59576328	10/20/2012	110350	1826.87	NMEA 0183	12	2
662300.3963	4051550.804	28,800	-1.076074513	-109.1855609	36.59565375	10/20/2012	110411	1826.52	NMEA 0183	12	2
662296.7209	4051551.53	28,800	-1.076074513	-109.1856019	36.59566092	10/20/2012	110426	1826.52	NMEA 0183	12	2
662288.0491	4051572	28,800	-1.076074513	-109.1856944	36.59584683	10/20/2012	110513	1827.64	NMEA 0183	12	2
662311.0345	4051520.278	28,800	-1.076074513	-109.1854485	36.59537688	10/20/2012	110635	1826.05	NMEA 0183	12	2
662304.69	4051512.597	28,800	-1.076074513	-109.185521	36.59530875	10/20/2012	111119	1826.34	NMEA 0183	12	2
662307.6508	4051506.428	28,800	-1.076074513	-109.1854892	36.59525267	10/20/2012	111138	1825.92	NMEA 0183	12	2
662305.4878	4051507.869	28,800	-1.076074513	-109.1855131	36.59526602	10/20/2012	111142	1825.97	NMEA 0183	12	2
662303.0081	4051511.07	28,800	-1.076074513	-109.1855401	36.59529528	10/20/2012	111147	1825.79	NMEA 0183	12	2
662299.9392	4051521.853	28,800	-1.076074513	-109.1855722	36.59539297	10/20/2012	111202	1826.25	NMEA 0183	12	2
662280.2477	4051549.301	28,800	-1.076074513	-109.1857864	36.59564363	10/20/2012	111405	1827.24	NMEA 0183	12	2
662280.8542	4051547.276	28,800	-1.076074513	-109.1857801	36.59562528	10/20/2012	111408	1826.92	NMEA 0183	12	2
662295.5641	4051510.906	28,800	-1.076074513	-109.1856234	36.59529507	10/20/2012	111532	1825.14	NMEA 0183	12	2
662285.7083	4051534.597	28,800	-1.076074513	-109.1857285	36.59551022	10/20/2012	111605	1826.21	NMEA 0183	12	2
662277.0723	4051552.459	28,800	-1.076074513	-109.1858212	36.59567263	10/20/2012	111629	1826.95	NMEA 0183	12	2
662283.3667	4051528.825	28,800	-1.076074513	-109.1857559	36.5954586	10/20/2012	111759	1825.52	NMEA 0183	12	2
662285.1419	4051518.857	28,800	-1.076074513	-109.1857381	36.59536848	10/20/2012	111920	1825.31	NMEA 0183	12	2
662281.0641	4051525.968	28,800	-1.076074513	-109.1857822	36.59543325	10/20/2012	111932	1826.2	NMEA 0183	12	2
662277.8554	4051528.208	28,800	-1.076074513	-109.1858176	36.59545398	10/20/2012	111944	1827.6	NMEA 0183	12	2
662273.6572	4051532.45	28,800	-1.076074513	-109.1858636	36.59549292	10/20/2012	111954	1827.85	NMEA 0183	12	2
662271.3537	4051545.517	28,800	-1.076074513	-109.1858866	36.59561105	10/20/2012	112050	1827.34	NMEA 0183	12	2
662271.2073	4051545.766	28,800	-1.076074513	-109.1858882	36.59561332	10/20/2012	112104	1827.5	NMEA 0183	12	2
662271.2612	4051545.835	28,800	-1.076074513	-109.1858876	36.59561393	10/20/2012	112108	1827.52	NMEA 0183	12	2
662259.2291	4051567.804	28,800	-1.076074513	-109.1860174	36.59581393	10/20/2012	112203	1829.36	NMEA 0183	12	2
662260.7364	4051566.571	28,800	-1.076074513	-109.1860008	36.59580257	10/20/2012	112207	1829.45	NMEA 0183	12	2
662271.0606	4051544.923	28,800	-1.076074513	-109.18589	36.59560575	10/20/2012	112300	1827.35	NMEA 0183	12	2
662272.3724	4051541.728	28,800	-1.076074513	-109.185876	36.59557673	10/20/2012	112307	1827.14	NMEA 0183	12	2
662274.0426	4051534.238	28,800	-1.076074513	-109.1858589	36.59550897	10/20/2012	112318	1827.73	NMEA 0183	12	2
662276.5211	4051525.014	28,800	-1.076074513	-109.1858332	36.59542543	10/20/2012	112337	1827.13	NMEA 0183	12	2
662282.9393	4051509.045	28,800	-1.076074513	-109.1857648	36.59528045	10/20/2012	112403	1825.14	NMEA 0183	12	2
662290.1095	4051499.938	28,800	-1.076074513	-109.1856866	36.59519717	10/20/2012	112420	1825.15	NMEA 0183	12	2
662273.9558	4051517.588	28,800	-1.076074513	-109.1858634	36.59535895	10/20/2012	112503	1825.3	NMEA 0183	12	2
662268.5404	4051538.822	28,800	-1.076074513	-109.1859194	36.5955512	10/20/2012	112543	1826.4	NMEA 0183	12	2
662258.0628	4051553.031	28,800	-1.076074513	-109.1860335	36.59568102	10/20/2012	112641	1826.69	NMEA 0183	12	2
662245.0181	4051544.735	28,800	-1.076074513	-109.186181	36.59560848	10/20/2012	113143	1826.7	NMEA 0183	12	2
662235.7599	4051488.746	28,800	-1.076074513	-109.1862963	36.59510557	10/20/2012	113251	1825.29	NMEA 0183	12	2
662226.6575	4051491.339	28,800	-1.076074513	-109.1863975	36.59513048	10/20/2012	113335	1825.22	NMEA 0183	12	2
662258.2584	4051524.424	28,800	-1.076074513	-109.1860374	36.59542322	10/20/2012	113457	1825.88	NMEA 0183	12	2
662243.2406	4051500	28,800	-1.076074513	-109.1862103	36.5952057	10/20/2012	113614	1825.18	NMEA 0183	12	2
662250.4622	4051507.283	28,800	-1.076074513	-109.1861281	36.5952701	10/20/2012	113624	1825.24	NMEA 0183	12	2
662260.1398	4051517.752	28,800	-1.076074513	-109.1860178	36.59536278	10/20/2012	113637	1825.16	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662240.4491	4051480.612	28,800	-1.076074513	-109.1862456	36.59503148	10/20/2012	113814	1824.65	NMEA 0183	12	2
662258.4052	4051496.42	28,800	-1.076074513	-109.1860416	36.59517087	10/20/2012	113937	1825.41	NMEA 0183	12	2
662260.5683	4051489.214	28,800	-1.076074513	-109.186019	36.59510557	10/20/2012	114147	1824.71	NMEA 0183	12	2
662251.5758	4051464.493	28,800	-1.076074513	-109.1861247	36.59488435	10/20/2012	114414	1824.34	NMEA 0183	12	2
662271.2017	4051481.605	28,800	-1.076074513	-109.1859018	36.5950352	10/20/2012	114630	1824.34	NMEA 0183	12	2
662272.7034	4051483.359	28,800	-1.076074513	-109.1858846	36.59505075	10/20/2012	114632	1824.37	NMEA 0183	12	2
662282.3545	4051492.15	28,800	-1.076074513	-109.1857749	36.59512832	10/20/2012	114735	1824.85	NMEA 0183	12	2
662303.2384	4051514.828	28,800	-1.076074513	-109.1855368	36.5953291	10/20/2012	114815	1825.99	NMEA 0183	12	2
662309.565	4051526.299	28,800	-1.076074513	-109.1854637	36.59543138	10/20/2012	114837	1826.05	NMEA 0183	12	2
662312.0568	4051530.275	28,800	-1.076074513	-109.185435	36.59546678	10/20/2012	114905	1826.12	NMEA 0183	12	2
662323.0255	4051518.416	28,800	-1.076074513	-109.1853149	36.59535807	10/20/2012	114957	1825.66	NMEA 0183	12	2
662312.645	4051506.946	28,800	-1.076074513	-109.1854333	36.59525648	10/20/2012	115016	1825.62	NMEA 0183	12	2
662284.9189	4051489.676	28,800	-1.076074513	-109.1857468	36.59510558	10/20/2012	115055	1825.41	NMEA 0183	12	2
662282.2456	4051486.858	28,800	-1.076074513	-109.1857773	36.59508065	10/20/2012	115104	1825.08	NMEA 0183	12	2
662270.8593	4051480.702	28,800	-1.076074513	-109.1859058	36.59502712	10/20/2012	115119	1824.67	NMEA 0183	12	2
662270.6013	4051480.072	28,800	-1.076074513	-109.1859088	36.59502148	10/20/2012	115124	1824.69	NMEA 0183	12	2
662262.1149	4051477.287	28,900	-1.024039963	-109.1860042	36.59499783	10/20/2012	102434	1824.7	NMEA 0183	12	2
662261.5136	4051476.434	28,900	-1.024039963	-109.1860111	36.59499025	10/20/2012	102538	1825.3	NMEA 0183	12	2
662264.4153	4051471.813	28,900	-1.024039963	-109.1859797	36.59494812	10/20/2012	102548	1825.11	NMEA 0183	12	2
662311.8558	4051506.8	28,900	-1.024039963	-109.1854422	36.5952553	10/20/2012	102709	1826.02	NMEA 0183	12	2
662331.1709	4051525.747	28,900	-1.024039963	-109.1852223	36.59542273	10/20/2012	102737	1826.26	NMEA 0183	12	2
662342.2885	4051539.016	28,900	-1.024039963	-109.1850953	36.5955404	10/20/2012	102834	1827.79	NMEA 0183	12	2
662332.1421	4051534.659	28,900	-1.024039963	-109.1852096	36.59550287	10/20/2012	102910	1827.27	NMEA 0183	12	2
662342.3546	4051547.439	28,900	-1.024039963	-109.1850928	36.59561628	10/20/2012	102956	1827.74	NMEA 0183	12	2
662342.3623	4051546.634	28,900	-1.024039963	-109.1850929	36.59560903	10/20/2012	103034	1827.45	NMEA 0183	12	2
662342.3068	4051546.574	28,900	-1.024039963	-109.1850935	36.5956085	10/20/2012	103042	1827.48	NMEA 0183	12	2
662319.0993	4051526.66	28,900	-1.024039963	-109.185357	36.59543302	10/20/2012	103123	1826.25	NMEA 0183	12	2
662328.6908	4051539.469	28,900	-1.024039963	-109.1852472	36.5955468	10/20/2012	103141	1827.11	NMEA 0183	12	2
662342.5372	4051552.301	28,900	-1.024039963	-109.1850897	36.59566007	10/20/2012	103210	1828.19	NMEA 0183	12	2
662320.3154	4051537.927	28,900	-1.024039963	-109.1853411	36.59553433	10/20/2012	103333	1827.68	NMEA 0183	12	2
662311.769	4051539.588	28,900	-1.024039963	-109.1854362	36.59555075	10/20/2012	103523	1826.01	NMEA 0183	12	2
662324.8847	4051554.308	28,900	-1.024039963	-109.1852866	36.59568115	10/20/2012	103554	1826.77	NMEA 0183	12	2
662336.2207	4051564.22	28,900	-1.024039963	-109.1851578	36.59576853	10/20/2012	103613	1827.86	NMEA 0183	12	2
662350.3832	4051573.423	28,900	-1.024039963	-109.1849976	36.59584905	10/20/2012	103648	1827.21	NMEA 0183	12	2
662343.8452	4051571.407	28,900	-1.024039963	-109.1850711	36.595832	10/20/2012	103700	1827.7	NMEA 0183	12	2
662324.4377	4051557.52	28,900	-1.024039963	-109.1852909	36.59571017	10/20/2012	103726	1826.46	NMEA 0183	12	2
662317.9267	4051549.89	28,900	-1.024039963	-109.1853652	36.59564253	10/20/2012	103742	1825.99	NMEA 0183	12	2
662333.1862	4051576.187	28,900	-1.024039963	-109.1851892	36.59587688	10/20/2012	103918	1828.53	NMEA 0183	12	2
662333.3695	4051572.802	28,900	-1.024039963	-109.1851878	36.59584635	10/20/2012	103931	1827.93	NMEA 0183	12	2
662322.4717	4051564.086	28,900	-1.024039963	-109.1853115	36.59576967	10/20/2012	104001	1827.27	NMEA 0183	12	2
662318.0002	4051556.821	28,900	-1.024039963	-109.185363	36.59570497	10/20/2012	104011	1826.84	NMEA 0183	12	2
662306.4644	4051545.316	28,900	-1.024039963	-109.1854943	36.59560327	10/20/2012	104040	1826.89	NMEA 0183	12	2
662326.2971	4051569.703	28,900	-1.024039963	-109.1852675	36.59581963	10/20/2012	104112	1827.63	NMEA 0183	12	2
662330.6435	4051577.671	28,900	-1.024039963	-109.1852173	36.59589068	10/20/2012	104124	1830.01	NMEA 0183	12	2
662331.2481	4051579.302	28,900	-1.024039963	-109.1852102	36.59590528	10/20/2012	104127	1830.42	NMEA 0183	12	2
662333.1759	4051582.811	28,900	-1.024039963	-109.1851879	36.59593657	10/20/2012	104132	1830.6	NMEA 0183	12	2
662320.7648	4051566.09	28,900	-1.024039963	-109.1853301	36.59578802	10/20/2012	104231	1827.03	NMEA 0183	12	2
662312.0045	4051556.182	28,900	-1.024039963	-109.1854301	36.59570023	10/20/2012	104243	1826.64	NMEA 0183	12	2
662318.8106	4051569.899	28,900	-1.024039963	-109.1853511	36.59582267	10/20/2012	104337	1827.8	NMEA 0183	12	2
662325.5054	4051586.667	28,900	-1.024039963	-109.1852728	36.59597262	10/20/2012	104446	1830.33	NMEA 0183	12	2
662321.1765	4051580.143	28,900	-1.024039963	-109.1853225	36.59591547	10/20/2012	104531	1829.32	NMEA 0183	12	2
662320.0318	4051578.443	28,900	-1.024039963	-109.1853357	36.59589945	10/20/2012	104534	1829.29	NMEA 0183	12	2
662319.0297	4051576.78	28,900	-1.024039963	-109.1853472	36.59588463	10/20/2012	104537	1829.31	NMEA 0183	12	2
662314.5234	4051573.489	28,900	-1.024039963	-109.1853983	36.59585575	10/20/2012	104604	1827.55	NMEA 0183	12	2
662315.6559	4051576.147	28,900	-1.024039963	-109.1853851	36.5958795	10/20/2012	104608	1827.72	NMEA 0183	12	2
662329.9093	4051589.534	28,900	-1.024039963	-109.185223	36.5959977	10/20/2012	104830	1830.63	NMEA 0183	12	2
662329.0673	4051591.551	28,900	-1.024039963	-109.185232	36.59601602	10/20/2012	104945	1830.87	NMEA 0183	12	2
662328.9495	4051591.552	28,900	-1.024039963	-109.1852333	36.59601605	10/20/2012	105125	1830.27	NMEA 0183	12	2
662330.1394	4051591.012	28,900	-1.024039963	-109.1852201	36.59601098	10/20/2012	105246	1830.91	NMEA 0183	12	2
662330.1862	4051590.984	28,900	-1.024039963	-109.1852196	36.59601072	10/20/2012	105302	1830.74	NMEA 0183	12	2
662329.8935	4051591.002	28,900	-1.024039963	-109.1852228	36.59601093	10/20/2012	105310	1830.77	NMEA 0183	12	2
662329.4792	4051595.644	28,900	-1.024039963	-109.1852265	36.59605283	10/20/2012	105341	1830.96	NMEA 0183	12	2
662329.2686	4051595.344	28,900	-1.024039963	-109.1852289	36.59605017	10/20/2012	105348	1830.95	NMEA 0183	12	2
662326.6716	4051600.254	28,900	-1.024039963	-109.1852569	36.59609485	10/20/2012	105403	1830.7	NMEA 0183	12	2
662314.3929	4051582.293	28,900	-1.024039963	-109.1853979	36.5959351	10/20/2012	105601	1827.07	NMEA 0183	12	2
662312.9719	4051558.973	28,900	-1.024039963	-109.1854187	36.59572522	10/20/2012	105655	1826.41	NMEA 0183	12	2
662314.983	4051552.867	28,900	-1.024039963	-109.1853975	36.59566985	10/20/2012	105722	1826.45	NMEA 0183	12	2
662315.23	4051552.897	28,900	-1.024039963	-109.1853947	36.59567008	10/20/2012	105750	1826.46	NMEA 0183	12	2
662315.2331	4051552.89	28,900	-1.024039963	-109.1853947	36.59567002	10/20/2012	105801	1826.51	NMEA 0183	12	2
662315.2195	4051552.897	28,900	-1.024039963	-109.1853949	36.59567008	10/20/2012	105812	1826.53	NMEA 0183	12	2
662315.2101	4051552.924	28,900	-1.024039963	-109.185395	36.59567033	10/20/2012	105816	1826.52	NMEA 0183	12	2
662315.2104	4051552.91	28,900	-1.024039963	-109.185395	36.5956702	10/20/2012	105821	1826.52	NMEA 0183	12	2
662315.1629	4051552.896	28,900	-1.024039963	-109.1853955	36.59567008	10/20/2012	105837	1826.48	NMEA 0183	12	2
662315.1923	4051552.917	28,900	-1.024039963	-109.1853952	36.59567027	10/20/2012	105843	1826.52	NMEA 0183	12	2
662315.1131	4051552.926	28,900	-1.024039963	-109.185396	36.59567037	10/20/2012	105847	1826.55	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662315.1134	4051552.908	28,900	-1.024039963	-109.185396	36.5956702	10/20/2012	105855	1826.5	NMEA 0183	12	2
662312.0493	4051559.416	28,900	-1.024039963	-109.1854289	36.59572937	10/20/2012	105927	1826.69	NMEA 0183	12	2
662311.8668	4051559.996	28,900	-1.024039963	-109.1854308	36.59573462	10/20/2012	105928	1826.65	NMEA 0183	12	2
662309.5954	4051575.627	28,900	-1.024039963	-109.1854529	36.59587585	10/20/2012	105956	1828.08	NMEA 0183	12	2
662303.3233	4051571.141	28,900	-1.024039963	-109.1855239	36.5958365	10/20/2012	110148	1827.14	NMEA 0183	12	2
662304.9433	4051563.786	28,900	-1.024039963	-109.1855074	36.59576995	10/20/2012	110204	1826.88	NMEA 0183	12	2
662304.4435	4051552.344	28,900	-1.024039963	-109.1855154	36.59566693	10/20/2012	110231	1827.48	NMEA 0183	12	2
662304.117	4051553.52	28,900	-1.024039963	-109.1855188	36.59567758	10/20/2012	110233	1827.61	NMEA 0183	12	2
662301.9586	4051565.454	28,900	-1.024039963	-109.1855404	36.59578548	10/20/2012	110303	1827.41	NMEA 0183	12	2
662292.9314	4051554.198	28,900	-1.024039963	-109.1856436	36.5956856	10/20/2012	110540	1826.53	NMEA 0183	12	2
662314.3796	4051511.294	28,900	-1.024039963	-109.185413	36.59529537	10/20/2012	110653	1825.93	NMEA 0183	12	2
662278.8145	4051573.144	28,900	-1.024039963	-109.1857974	36.59585872	10/20/2012	110930	1827.26	NMEA 0183	12	2
662278.0402	4051569.839	28,900	-1.024039963	-109.1858067	36.59582907	10/20/2012	110936	1827.22	NMEA 0183	12	2
662307.9558	4051513.733	28,900	-1.024039963	-109.1854843	36.59531843	10/20/2012	111111	1826.28	NMEA 0183	12	2
662306.6557	4051511.197	28,900	-1.024039963	-109.1854992	36.59530277	10/20/2012	111115	1826.07	NMEA 0183	12	2
662291.1844	4051538.189	28,900	-1.024039963	-109.1856665	36.59554165	10/20/2012	111227	1827.25	NMEA 0183	12	2
662286.4702	4051542.353	28,900	-1.024039963	-109.1857183	36.59557997	10/20/2012	111236	1827.16	NMEA 0183	12	2
662276.1026	4051568.269	28,900	-1.024039963	-109.1858287	36.59581525	10/20/2012	111311	1827.19	NMEA 0183	12	2
662273.7589	4051572.246	28,900	-1.024039963	-109.1858541	36.59585148	10/20/2012	111317	1827.5	NMEA 0183	12	2
662272.551	4051568.522	28,900	-1.024039963	-109.1858684	36.59581813	10/20/2012	111328	1827.7	NMEA 0183	12	2
662275.3805	4051562.669	28,900	-1.024039963	-109.185838	36.59576492	10/20/2012	111344	1827	NMEA 0183	12	2
662295.455	4051518.58	28,900	-1.024039963	-109.185623	36.59536423	10/20/2012	111449	1825.55	NMEA 0183	12	2
662272.9336	4051563.269	28,900	-1.024039963	-109.1858652	36.59577073	10/20/2012	111642	1827.03	NMEA 0183	12	2
662267.6566	4051571.252	28,900	-1.024039963	-109.1859225	36.59584357	10/20/2012	111700	1827.42	NMEA 0183	12	2
662271.5469	4051555.821	28,900	-1.024039963	-109.1858823	36.59570387	10/20/2012	111722	1827.51	NMEA 0183	12	2
662274.0381	4051549.72	28,900	-1.024039963	-109.1858557	36.59564847	10/20/2012	111731	1826.86	NMEA 0183	12	2
662277.6972	4051541.166	28,900	-1.024039963	-109.1858166	36.59557077	10/20/2012	111743	1826.34	NMEA 0183	12	2
662289.2829	4051516.617	28,900	-1.024039963	-109.1856923	36.5953476	10/20/2012	111826	1824.86	NMEA 0183	12	2
662295.1833	4051503.507	28,900	-1.024039963	-109.1856292	36.59522847	10/20/2012	111846	1824.79	NMEA 0183	12	2
662278.2551	4051527.89	28,900	-1.024039963	-109.1858132	36.59545105	10/20/2012	111943	1827.58	NMEA 0183	12	2
662272.3303	4051538.029	28,900	-1.024039963	-109.1858773	36.59554342	10/20/2012	112004	1827.05	NMEA 0183	12	2
662258.6592	4051571.763	28,900	-1.024039963	-109.1860229	36.5958497	10/20/2012	112155	1828.88	NMEA 0183	12	2
662261.6004	4051566.314	28,900	-1.024039963	-109.1859912	36.5958001	10/20/2012	112211	1829.29	NMEA 0183	12	2
662256.1036	4051565.871	28,900	-1.024039963	-109.1860527	36.59579705	10/20/2012	112222	1830.03	NMEA 0183	12	2
662267.0161	4051550.668	28,900	-1.024039963	-109.185934	36.5956582	10/20/2012	112252	1827.87	NMEA 0183	12	2
662275.8508	4051530.26	28,900	-1.024039963	-109.1858396	36.59547282	10/20/2012	112326	1827.9	NMEA 0183	12	2
662280.1397	4051509.836	28,900	-1.024039963	-109.1857959	36.59528805	10/20/2012	112452	1825.13	NMEA 0183	12	2
662268.6293	4051538.849	28,900	-1.024039963	-109.1859184	36.59555143	10/20/2012	112547	1826.4	NMEA 0183	12	2
662268.562	4051538.861	28,900	-1.024039963	-109.1859192	36.59555155	10/20/2012	112552	1826.42	NMEA 0183	12	2
662258.0213	4051553.332	28,900	-1.024039963	-109.1860339	36.59568373	10/20/2012	112655	1826.76	NMEA 0183	12	2
662255.2263	4051556.645	28,900	-1.024039963	-109.1860645	36.59571407	10/20/2012	112722	1826.82	NMEA 0183	12	2
662250.3989	4051563.727	28,900	-1.024039963	-109.1861169	36.5957787	10/20/2012	112815	1826.83	NMEA 0183	12	2
662250.4876	4051562.738	28,900	-1.024039963	-109.1861161	36.59576977	10/20/2012	112928	1827	NMEA 0183	12	2
662250.5163	4051562.721	28,900	-1.024039963	-109.1861158	36.59576962	10/20/2012	112951	1826.72	NMEA 0183	12	2
662247.4377	4051552.142	28,900	-1.024039963	-109.1861524	36.59567482	10/20/2012	113053	1826.22	NMEA 0183	12	2
662246.0199	4051552.029	28,900	-1.024039963	-109.1861683	36.59567403	10/20/2012	113111	1826.86	NMEA 0183	12	2
662246.0387	4051551.983	28,900	-1.024039963	-109.1861681	36.59567362	10/20/2012	113117	1826.72	NMEA 0183	12	2
662245.5347	4051552.528	28,900	-1.024039963	-109.1861736	36.59567862	10/20/2012	113124	1826.51	NMEA 0183	12	2
662244.8311	4051543.738	28,900	-1.024039963	-109.1861833	36.59559953	10/20/2012	113144	1826.98	NMEA 0183	12	2
662254.4688	4051529.145	28,900	-1.024039963	-109.1860787	36.5954664	10/20/2012	113201	1826.19	NMEA 0183	12	2
662235.8228	4051495.922	28,900	-1.024039963	-109.1862941	36.59517022	10/20/2012	113242	1825.41	NMEA 0183	12	2
662225.9648	4051495.242	28,900	-1.024039963	-109.1864044	36.59516577	10/20/2012	113311	1825.68	NMEA 0183	12	2
662251.2142	4051516.59	28,900	-1.024039963	-109.1861177	36.59535383	10/20/2012	113410	1825.48	NMEA 0183	12	2
662266.2383	4051534.594	28,900	-1.024039963	-109.1859461	36.5955135	10/20/2012	113431	1825.97	NMEA 0183	12	2
662269.2338	4051533.85	28,900	-1.024039963	-109.1859127	36.59550628	10/20/2012	113438	1826.81	NMEA 0183	12	2
662251.4886	4051515.722	28,900	-1.024039963	-109.1861149	36.59534597	10/20/2012	113508	1825.8	NMEA 0183	12	2
662246.144	4051507.3	28,900	-1.024039963	-109.1861764	36.59527098	10/20/2012	113517	1825.63	NMEA 0183	12	2
662230.2113	4051491.913	28,900	-1.024039963	-109.1863576	36.59513505	10/20/2012	113539	1825.1	NMEA 0183	12	2
662241.8727	4051497.958	28,900	-1.024039963	-109.1862261	36.59518753	10/20/2012	113612	1825.19	NMEA 0183	12	2
662246.6794	4051502.643	28,900	-1.024039963	-109.1861714	36.59522893	10/20/2012	113618	1825.22	NMEA 0183	12	2
662262.4595	4051513.78	28,900	-1.024039963	-109.1859927	36.5953266	10/20/2012	113715	1825.23	NMEA 0183	12	2
662241.7092	4051476.596	28,900	-1.024039963	-109.1862324	36.59499508	10/20/2012	114002	1824.78	NMEA 0183	12	2
662276.766	4051514.256	28,900	-1.024039963	-109.1858327	36.59532845	10/20/2012	114116	1825.32	NMEA 0183	12	2
662248.2164	4051473.767	28,900	-1.024039963	-109.1861603	36.59496848	10/20/2012	114205	1824.51	NMEA 0183	12	2
662247.3476	4051471.357	28,900	-1.024039963	-109.1861705	36.59494692	10/20/2012	114208	1824.51	NMEA 0183	12	2
662275.0701	4051503.91	28,900	-1.024039963	-109.1858538	36.59523552	10/20/2012	114250	1825.03	NMEA 0183	12	2
662277.2115	4051504.958	28,900	-1.024039963	-109.1858297	36.5952446	10/20/2012	114318	1824.96	NMEA 0183	12	2
662276.1088	4051502.698	28,900	-1.024039963	-109.1858425	36.59522442	10/20/2012	114321	1824.93	NMEA 0183	12	2
662274.5278	4051498.904	28,900	-1.024039963	-109.185861	36.5951905	10/20/2012	114327	1824.92	NMEA 0183	12	2
662259.9915	4051466.202	28,900	-1.024039963	-109.1860303	36.59489832	10/20/2012	114611	1824.33	NMEA 0183	12	2
662263.8134	4051471.775	28,900	-1.024039963	-109.1859864	36.59494788	10/20/2012	114618	1824.28	NMEA 0183	12	2
662264.0941	4051472.707	28,900	-1.024039963	-109.1859831	36.59495623	10/20/2012	114619	1824.24	NMEA 0183	12	2
662291.2476	4051503.72	28,900	-1.024039963	-109.1856731	36.59523105	10/20/2012	114758	1825.13	NMEA 0183	12	2
662308.7519	4051528.05	28,900	-1.024039963	-109.1854724	36.5954473	10/20/2012	114839	1826.19	NMEA 0183	12	2
662319.3365	4051517.579	28,900	-1.024039963	-109.1853563	36.59535115	10/20/2012	114925	1825.85	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662321.2462	4051521.808	28,900	-1.024039963	-109.1853341	36.59538893	10/20/2012	114932	1825.83	NMEA 0183	12	2
662310.4923	4051506.501	28,900	-1.024039963	-109.1854575	36.59525283	10/20/2012	115018	1825.72	NMEA 0183	12	2
662302.4726	4051504.597	28,900	-1.024039963	-109.1855475	36.59523705	10/20/2012	115027	1825.5	NMEA 0183	12	2
662261.3622	4051476.47	29,000	-0.972005412	-109.1860128	36.5949906	10/20/2012	102527	1825.17	NMEA 0183	12	2
662264.3022	4051471.72	29,000	-0.972005412	-109.185981	36.5949473	10/20/2012	102558	1825.09	NMEA 0183	12	2
662264.3274	4051471.805	29,000	-0.972005412	-109.1859807	36.59494807	10/20/2012	102610	1825.06	NMEA 0183	12	2
662291.7025	4051492.506	29,000	-0.972005412	-109.1856704	36.59512993	10/20/2012	102646	1825.53	NMEA 0183	12	2
662350.5278	4051543.583	29,000	-0.972005412	-109.1850023	36.59558015	10/20/2012	102804	1826.71	NMEA 0183	12	2
662343.634	4051540.114	29,000	-0.972005412	-109.18508	36.59555007	10/20/2012	102831	1827.37	NMEA 0183	12	2
662343.1786	4051539.902	29,000	-0.972005412	-109.1850852	36.59554823	10/20/2012	102832	1827.73	NMEA 0183	12	2
662329.9569	4051527.083	29,000	-0.972005412	-109.1852356	36.59543498	10/20/2012	102855	1826.14	NMEA 0183	12	2
662341.7661	4051546.458	29,000	-0.972005412	-109.1850996	36.59560755	10/20/2012	103003	1827.18	NMEA 0183	12	2
662341.6698	4051546.266	29,000	-0.972005412	-109.1851007	36.59560583	10/20/2012	103004	1827.14	NMEA 0183	12	2
662342.2692	4051546.51	29,000	-0.972005412	-109.1850939	36.59560793	10/20/2012	103007	1827.68	NMEA 0183	12	2
662336.3139	4051542.073	29,000	-0.972005412	-109.1851614	36.59556897	10/20/2012	103059	1828.89	NMEA 0183	12	2
662332.4378	4051538.192	29,000	-0.972005412	-109.1852056	36.59553465	10/20/2012	103105	1827.9	NMEA 0183	12	2
662332.4118	4051542.882	29,000	-0.972005412	-109.1852049	36.59557692	10/20/2012	103146	1827.56	NMEA 0183	12	2
662339.428	4051551.403	29,000	-0.972005412	-109.1851247	36.5956525	10/20/2012	103204	1828.74	NMEA 0183	12	2
662333.153	4051549.201	29,000	-0.972005412	-109.1851952	36.59563373	10/20/2012	103249	1827.41	NMEA 0183	12	2
662314.7571	4051532.371	29,000	-0.972005412	-109.1854044	36.59548522	10/20/2012	103321	1827.07	NMEA 0183	12	2
662339.088	4051558.107	29,000	-0.972005412	-109.185127	36.59571297	10/20/2012	103404	1828.07	NMEA 0183	12	2
662324.6424	4051551.342	29,000	-0.972005412	-109.1852899	36.59565447	10/20/2012	103458	1826.93	NMEA 0183	12	2
662316.5589	4051541.604	29,000	-0.972005412	-109.1853823	36.5955681	10/20/2012	103512	1826.43	NMEA 0183	12	2
662314.6793	4051542.491	29,000	-0.972005412	-109.1854031	36.59557642	10/20/2012	103527	1826.32	NMEA 0183	12	2
662332.0156	4051562.751	29,000	-0.972005412	-109.1852051	36.59575602	10/20/2012	103606	1826.91	NMEA 0183	12	2
662339.2268	4051568.764	29,000	-0.972005412	-109.1851232	36.59580897	10/20/2012	103707	1827.4	NMEA 0183	12	2
662330.9507	4051562.59	29,000	-0.972005412	-109.185217	36.59575475	10/20/2012	103718	1826.72	NMEA 0183	12	2
662327.5068	4051560.385	29,000	-0.972005412	-109.185256	36.59573547	10/20/2012	103722	1826.61	NMEA 0183	12	2
662318.5332	4051550.867	29,000	-0.972005412	-109.1853583	36.59565123	10/20/2012	103741	1826.17	NMEA 0183	12	2
662317.9904	4051553.155	29,000	-0.972005412	-109.1853638	36.59567193	10/20/2012	103820	1826.65	NMEA 0183	12	2
662334.0102	4051573.149	29,000	-0.972005412	-109.1851806	36.59584937	10/20/2012	103928	1828.09	NMEA 0183	12	2
662318.5966	4051558.643	29,000	-0.972005412	-109.1853559	36.59572128	10/20/2012	104009	1826.85	NMEA 0183	12	2
662309.625	4051549.101	29,000	-0.972005412	-109.1854582	36.59563683	10/20/2012	104045	1827.52	NMEA 0183	12	2
662335.5001	4051586.813	29,000	-0.972005412	-109.1851611	36.59597223	10/20/2012	104141	1830.39	NMEA 0183	12	2
662333.5928	4051589.165	29,000	-0.972005412	-109.1851819	36.59599375	10/20/2012	104156	1831.14	NMEA 0183	12	2
662333.0684	4051588.502	29,000	-0.972005412	-109.1851879	36.59598787	10/20/2012	104157	1831.16	NMEA 0183	12	2
662325.6016	4051582.601	29,000	-0.972005412	-109.1852726	36.59593597	10/20/2012	104419	1830.16	NMEA 0183	12	2
662325.9222	4051587.581	29,000	-0.972005412	-109.1852679	36.59598078	10/20/2012	104445	1830.39	NMEA 0183	12	2
662327.7116	4051592.415	29,000	-0.972005412	-109.1852469	36.59602403	10/20/2012	104457	1830.62	NMEA 0183	12	2
662327.1645	4051594.85	29,000	-0.972005412	-109.1852525	36.59604607	10/20/2012	104510	1830.58	NMEA 0183	12	2
662322.481	4051582.071	29,000	-0.972005412	-109.1853076	36.59593172	10/20/2012	104528	1829.39	NMEA 0183	12	2
662316.1038	4051572.254	29,000	-0.972005412	-109.1853809	36.59584435	10/20/2012	104550	1828.23	NMEA 0183	12	2
662315.5625	4051571.619	29,000	-0.972005412	-109.1853871	36.59583872	10/20/2012	104552	1828.18	NMEA 0183	12	2
662319.8454	4051593.444	29,000	-0.972005412	-109.1853346	36.59603465	10/20/2012	104654	1831.1	NMEA 0183	12	2
662317.228	4051593.676	29,000	-0.972005412	-109.1853638	36.59603718	10/20/2012	104704	1830.6	NMEA 0183	12	2
662324.1763	4051599.547	29,000	-0.972005412	-109.1852849	36.5960889	10/20/2012	104807	1830.13	NMEA 0183	12	2
662329.0153	4051591.699	29,000	-0.972005412	-109.1852325	36.59601737	10/20/2012	104918	1830.59	NMEA 0183	12	2
662329.026	4051591.685	29,000	-0.972005412	-109.1852324	36.59601723	10/20/2012	104924	1830.7	NMEA 0183	12	2
662329.0518	4051591.586	29,000	-0.972005412	-109.1852321	36.59601633	10/20/2012	104938	1830.83	NMEA 0183	12	2
662329.0385	4051591.574	29,000	-0.972005412	-109.1852323	36.59601623	10/20/2012	104949	1830.95	NMEA 0183	12	2
662328.7355	4051591.589	29,000	-0.972005412	-109.1852357	36.59601642	10/20/2012	105018	1831.04	NMEA 0183	12	2
662329.9615	4051591.196	29,000	-0.972005412	-109.185222	36.59601267	10/20/2012	105158	1830.94	NMEA 0183	12	2
662330.158	4051590.978	29,000	-0.972005412	-109.1852199	36.59601067	10/20/2012	105244	1830.92	NMEA 0183	12	2
662330.2935	4051590.989	29,000	-0.972005412	-109.1852184	36.59601075	10/20/2012	105255	1830.8	NMEA 0183	12	2
662329.3869	4051595.48	29,000	-0.972005412	-109.1852276	36.59605137	10/20/2012	105340	1830.96	NMEA 0183	12	2
662326.1987	4051601.844	29,000	-0.972005412	-109.1852618	36.59610925	10/20/2012	105410	1830.72	NMEA 0183	12	2
662313.7868	4051575.216	29,000	-0.972005412	-109.1854062	36.59587143	10/20/2012	105615	1826.92	NMEA 0183	12	2
662312.5416	4051566.36	29,000	-0.972005412	-109.1854219	36.59579185	10/20/2012	105640	1826.73	NMEA 0183	12	2
662314.9709	4051552.874	29,000	-0.972005412	-109.1853976	36.59566992	10/20/2012	105717	1826.45	NMEA 0183	12	2
662315.1613	4051552.903	29,000	-0.972005412	-109.1853955	36.59567015	10/20/2012	105828	1826.5	NMEA 0183	12	2
662315.1114	4051552.936	29,000	-0.972005412	-109.1853961	36.59567045	10/20/2012	105904	1826.48	NMEA 0183	12	2
662315.0297	4051552.917	29,000	-0.972005412	-109.185397	36.5956703	10/20/2012	105905	1826.49	NMEA 0183	12	2
662311.4643	4051562.829	29,000	-0.972005412	-109.1854347	36.59576022	10/20/2012	105932	1826.75	NMEA 0183	12	2
662310.3316	4051571.233	29,000	-0.972005412	-109.1854456	36.59583613	10/20/2012	105948	1827.48	NMEA 0183	12	2
662306.5005	4051573.654	29,000	-0.972005412	-109.1854879	36.5958586	10/20/2012	110013	1827.69	NMEA 0183	12	2
662308.4775	4051564.214	29,000	-0.972005412	-109.1854678	36.5957732	10/20/2012	110030	1827.12	NMEA 0183	12	2
662311.0633	4051557.528	29,000	-0.972005412	-109.1854403	36.59571252	10/20/2012	110040	1826.82	NMEA 0183	12	2
662304.1088	4051566.351	29,000	-0.972005412	-109.1855162	36.5957932	10/20/2012	110200	1827.21	NMEA 0183	12	2
662304.2318	4051565.761	29,000	-0.972005412	-109.1855149	36.59578787	10/20/2012	110201	1827.15	NMEA 0183	12	2
662304.7704	4051564.569	29,000	-0.972005412	-109.1855092	36.59577703	10/20/2012	110203	1826.97	NMEA 0183	12	2
662306.3151	4051556.223	29,000	-0.972005412	-109.1854937	36.59570157	10/20/2012	110216	1827.72	NMEA 0183	12	2
662307.1905	4051551.806	29,000	-0.972005412	-109.1854848	36.59566162	10/20/2012	110225	1826.93	NMEA 0183	12	2
662304.3961	4051552.955	29,000	-0.972005412	-109.1855158	36.59567245	10/20/2012	110232	1827.51	NMEA 0183	12	2
662298.1306	4051571.894	29,000	-0.972005412	-109.1855818	36.59584417	10/20/2012	110314	1827.65	NMEA 0183	12	2
662295.3162	4051573.63	29,000	-0.972005412	-109.1856129	36.59586028	10/20/2012	110329	1827.8	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662294.9811	4051569.576	29,000	-0.972005412	-109.1856175	36.59582382	10/20/2012	110337	1827.42	NMEA 0183	12	2
662295.0258	4051554.497	29,000	-0.972005412	-109.1856202	36.59568793	10/20/2012	110434	1826.55	NMEA 0183	12	2
662294.2078	4051557.531	29,000	-0.972005412	-109.1856287	36.59571542	10/20/2012	110438	1826.68	NMEA 0183	12	2
662291.3141	4051572.703	29,000	-0.972005412	-109.1856578	36.59585262	10/20/2012	110501	1827.7	NMEA 0183	12	2
662288.2719	4051572.52	29,000	-0.972005412	-109.1856918	36.59585148	10/20/2012	110512	1827.72	NMEA 0183	12	2
662286.8993	4051557.225	29,000	-0.972005412	-109.1857104	36.5957139	10/20/2012	110835	1826.84	NMEA 0183	12	2
662282.3033	4051567.371	29,000	-0.972005412	-109.1857596	36.5958061	10/20/2012	110850	1827.37	NMEA 0183	12	2
662283.4542	4051554.443	29,000	-0.972005412	-109.1857495	36.59568942	10/20/2012	111005	1827.01	NMEA 0183	12	2
662290.7353	4051539.775	29,000	-0.972005412	-109.1856712	36.59555602	10/20/2012	111026	1827.13	NMEA 0183	12	2
662301.7578	4051522.544	29,000	-0.972005412	-109.1855517	36.59539888	10/20/2012	111052	1826.27	NMEA 0183	12	2
662285.9749	4051542.989	29,000	-0.972005412	-109.1857237	36.59558578	10/20/2012	111237	1827.14	NMEA 0183	12	2
662275.894	4051569.125	29,000	-0.972005412	-109.1858309	36.595823	10/20/2012	111312	1827.22	NMEA 0183	12	2
662273.0773	4051566.797	29,000	-0.972005412	-109.1858628	36.5958025	10/20/2012	111331	1827.3	NMEA 0183	12	2
662293.4833	4051515.099	29,000	-0.972005412	-109.1856457	36.5953332	10/20/2012	111538	1825.2	NMEA 0183	12	2
662292.5328	4051518.199	29,000	-0.972005412	-109.1856557	36.5953613	10/20/2012	111542	1825.46	NMEA 0183	12	2
662283.2194	4051538.917	29,000	-0.972005412	-109.1857554	36.59554957	10/20/2012	111611	1826.54	NMEA 0183	12	2
662278.695	4051546.061	29,000	-0.972005412	-109.1858044	36.5956147	10/20/2012	111621	1826.89	NMEA 0183	12	2
662267.4518	4051568.588	29,000	-0.972005412	-109.1859253	36.5958196	10/20/2012	111704	1827.3	NMEA 0183	12	2
662268.7069	4051563.02	29,000	-0.972005412	-109.1859125	36.59576922	10/20/2012	111712	1827.12	NMEA 0183	12	2
662268.8675	4051562.335	29,000	-0.972005412	-109.1859108	36.59576302	10/20/2012	111713	1827.15	NMEA 0183	12	2
662284.9584	4051522.334	29,000	-0.972005412	-109.1857395	36.59539985	10/20/2012	111808	1825.36	NMEA 0183	12	2
662265.3592	4051555.795	29,000	-0.972005412	-109.1859514	36.59570468	10/20/2012	112128	1828.07	NMEA 0183	12	2
662259.2582	4051565.63	29,000	-0.972005412	-109.1860175	36.59579433	10/20/2012	112143	1829.32	NMEA 0183	12	2
662259.1143	4051566.141	29,000	-0.972005412	-109.186019	36.59579897	10/20/2012	112217	1829.44	NMEA 0183	12	2
662272.5065	4051540.705	29,000	-0.972005412	-109.1858747	36.5955675	10/20/2012	112309	1827.11	NMEA 0183	12	2
662291.3766	4051495.073	29,000	-0.972005412	-109.1856735	36.59515312	10/20/2012	112428	1824.69	NMEA 0183	12	2
662286.6735	4051499.122	29,000	-0.972005412	-109.1857252	36.5951904	10/20/2012	112437	1824.88	NMEA 0183	12	2
662279.7359	4051510.609	29,000	-0.972005412	-109.1858003	36.59529508	10/20/2012	112453	1825.14	NMEA 0183	12	2
662278.4158	4051513.138	29,000	-0.972005412	-109.1858145	36.5953181	10/20/2012	112456	1825.19	NMEA 0183	12	2
662268.1122	4051537.408	29,000	-0.972005412	-109.1859245	36.59553853	10/20/2012	112537	1826.3	NMEA 0183	12	2
662257.8325	4051553.378	29,000	-0.972005412	-109.186036	36.59568418	10/20/2012	112653	1826.68	NMEA 0183	12	2
662249.8563	4051563.632	29,000	-0.972005412	-109.186123	36.59577793	10/20/2012	112844	1826.53	NMEA 0183	12	2
662249.2204	4051551.49	29,000	-0.972005412	-109.1861327	36.59566863	10/20/2012	113051	1826.04	NMEA 0183	12	2
662245.7853	4051552.529	29,000	-0.972005412	-109.1861708	36.59567858	10/20/2012	113058	1826.57	NMEA 0183	12	2
662245.14	4051545.865	29,000	-0.972005412	-109.1861794	36.59561865	10/20/2012	113142	1826.88	NMEA 0183	12	2
662263.1558	4051531.724	29,000	-0.972005412	-109.1859811	36.59548817	10/20/2012	113427	1825.54	NMEA 0183	12	2
662264.1333	4051528.219	29,000	-0.972005412	-109.1859709	36.59545642	10/20/2012	113450	1825.51	NMEA 0183	12	2
662247.4122	4051509.41	29,000	-0.972005412	-109.1861617	36.59528978	10/20/2012	113515	1825.8	NMEA 0183	12	2
662238.2231	4051501.903	29,000	-0.972005412	-109.186266	36.5952237	10/20/2012	113526	1825.89	NMEA 0183	12	2
662229.7304	4051490.998	29,000	-0.972005412	-109.1863632	36.59512688	10/20/2012	113540	1825.07	NMEA 0183	12	2
662238.5127	4051491.931	29,000	-0.972005412	-109.1862649	36.5951338	10/20/2012	113606	1825.01	NMEA 0183	12	2
662245.5303	4051502.202	29,000	-0.972005412	-109.1861843	36.59522515	10/20/2012	113617	1825.28	NMEA 0183	12	2
662249.9185	4051506.296	29,000	-0.972005412	-109.1861344	36.5952613	10/20/2012	113623	1825.17	NMEA 0183	12	2
662267.3448	4051527.259	29,000	-0.972005412	-109.1859352	36.59544722	10/20/2012	113654	1825.76	NMEA 0183	12	2
662245.4444	4051492.927	29,000	-0.972005412	-109.1861872	36.5951416	10/20/2012	113740	1824.91	NMEA 0183	12	2
662237.2781	4051478.322	29,000	-0.972005412	-109.1862815	36.59501138	10/20/2012	113803	1824.84	NMEA 0183	12	2
662257.9327	4051495.381	29,000	-0.972005412	-109.1860471	36.59516158	10/20/2012	113938	1825.5	NMEA 0183	12	2
662241.215	4051475.753	29,000	-0.972005412	-109.1862381	36.59498757	10/20/2012	114003	1824.69	NMEA 0183	12	2
662260.4889	4051496.027	29,000	-0.972005412	-109.1860184	36.59516697	10/20/2012	114045	1825.27	NMEA 0183	12	2
662266.3135	4051502.723	29,000	-0.972005412	-109.1859519	36.59522632	10/20/2012	114132	1825.14	NMEA 0183	12	2
662249.6893	4051476.172	29,000	-0.972005412	-109.1861433	36.5949899	10/20/2012	114202	1824.62	NMEA 0183	12	2
662261.3574	4051486.362	29,000	-0.972005412	-109.1860108	36.59507973	10/20/2012	114229	1824.67	NMEA 0183	12	2
662271.6418	4051495.031	29,000	-0.972005412	-109.185894	36.5951561	10/20/2012	114333	1824.96	NMEA 0183	12	2
662263.0713	4051484.141	29,000	-0.972005412	-109.1859921	36.59505943	10/20/2012	114347	1824.61	NMEA 0183	12	2
662269.3368	4051484.872	29,000	-0.972005412	-109.1859219	36.59506495	10/20/2012	114441	1824.37	NMEA 0183	12	2
662280.9805	4051499.985	29,000	-0.972005412	-109.1857886	36.59519915	10/20/2012	114501	1824.88	NMEA 0183	12	2
662282.5542	4051503.77	29,000	-0.972005412	-109.1857702	36.59523298	10/20/2012	114505	1824.94	NMEA 0183	12	2
662286.9701	4051508.372	29,000	-0.972005412	-109.1857199	36.5952737	10/20/2012	114514	1825.16	NMEA 0183	12	2
662278.3418	4051487.282	29,000	-0.972005412	-109.1858208	36.59508513	10/20/2012	114640	1824.58	NMEA 0183	12	2
662279.8822	4051487.849	29,000	-0.972005412	-109.1858035	36.59508998	10/20/2012	114642	1824.62	NMEA 0183	12	2
662283.1708	4051496.551	29,000	-0.972005412	-109.1857649	36.59516783	10/20/2012	114721	1824.88	NMEA 0183	12	2
662300.4869	4051510.625	29,000	-0.972005412	-109.1855684	36.5952917	10/20/2012	114810	1825.47	NMEA 0183	12	2
662308.6129	4051518.825	29,000	-0.972005412	-109.1854759	36.5953642	10/20/2012	114821	1826.3	NMEA 0183	12	2
662311.3015	4051523.594	29,000	-0.972005412	-109.1854448	36.59540672	10/20/2012	114828	1826.17	NMEA 0183	12	2
662311.283	4051524.335	29,000	-0.972005412	-109.1854449	36.5954134	10/20/2012	114834	1826.14	NMEA 0183	12	2
662318.4656	4051517.649	29,000	-0.972005412	-109.185366	36.59535193	10/20/2012	114924	1825.97	NMEA 0183	12	2
662320.1853	4051517.965	29,000	-0.972005412	-109.1853467	36.59535448	10/20/2012	114926	1825.81	NMEA 0183	12	2
662322.0623	4051521.088	29,000	-0.972005412	-109.1853251	36.5953823	10/20/2012	114931	1825.81	NMEA 0183	12	2
662293.2071	4051497.658	29,000	-0.972005412	-109.1856525	36.5951761	10/20/2012	115042	1825.02	NMEA 0183	12	2
662291.4975	4051495.545	29,000	-0.972005412	-109.185672	36.59515735	10/20/2012	115045	1824.96	NMEA 0183	12	2
662270.9688	4051480.672	29,000	-0.972005412	-109.1859046	36.59502683	10/20/2012	115118	1824.69	NMEA 0183	12	2
662269.9391	4051478.012	29,100	-0.919970861	-109.1859166	36.59500303	10/20/2012	102621	1825.09	NMEA 0183	12	2
662282.5644	4051485.456	29,100	-0.919970861	-109.185774	36.59506797	10/20/2012	102635	1825.29	NMEA 0183	12	2
662293.8211	4051495.315	29,100	-0.919970861	-109.1856461	36.59515488	10/20/2012	102649	1825.57	NMEA 0183	12	2
662351.0542	4051544.616	29,100	-0.919970861	-109.1849962	36.59558937	10/20/2012	102805	1826.83	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662340.8915	4051537.8	29,100	-0.919970861	-109.1851112	36.59552968	10/20/2012	102836	1827.36	NMEA 0183	12	2
662335.9041	4051532.268	29,100	-0.919970861	-109.1851681	36.59548068	10/20/2012	102845	1826.69	NMEA 0183	12	2
662330.967	4051532.988	29,100	-0.919970861	-109.1852231	36.59548802	10/20/2012	102908	1826.84	NMEA 0183	12	2
662337.4751	4051540.767	29,100	-0.919970861	-109.1851487	36.5955557	10/20/2012	102920	1828.67	NMEA 0183	12	2
662343.6278	4051545.89	29,100	-0.919970861	-109.1850789	36.59560212	10/20/2012	102931	1827.54	NMEA 0183	12	2
662343.9296	4051548.939	29,100	-0.919970861	-109.1850749	36.59562953	10/20/2012	102954	1827.58	NMEA 0183	12	2
662342.1371	4051546.478	29,100	-0.919970861	-109.1850954	36.59560767	10/20/2012	103035	1827.5	NMEA 0183	12	2
662339.0237	4051544.694	29,100	-0.919970861	-109.1851306	36.59559212	10/20/2012	103055	1828.65	NMEA 0183	12	2
662331.8464	4051537.757	29,100	-0.919970861	-109.1852123	36.59553083	10/20/2012	103106	1827.83	NMEA 0183	12	2
662326.0568	4051533.155	29,100	-0.919970861	-109.1852779	36.59549035	10/20/2012	103114	1826.36	NMEA 0183	12	2
662329.3216	4051540.426	29,100	-0.919970861	-109.1852399	36.59555532	10/20/2012	103142	1827.21	NMEA 0183	12	2
662348.4983	4051558.483	29,100	-0.919970861	-109.1850218	36.59571475	10/20/2012	103221	1827.15	NMEA 0183	12	2
662330.4905	4051546.29	29,100	-0.919970861	-109.1852256	36.59560795	10/20/2012	103253	1827.18	NMEA 0183	12	2
662326.8303	4051541.162	29,100	-0.919970861	-109.1852676	36.59556237	10/20/2012	103300	1827.24	NMEA 0183	12	2
662324.9842	4051539.799	29,100	-0.919970861	-109.1852885	36.59555504	10/20/2012	103303	1827.22	NMEA 0183	12	2
662316.8919	4051535.19	29,100	-0.919970861	-109.1853799	36.59551025	10/20/2012	103328	1827.42	NMEA 0183	12	2
662319.6705	4051537.087	29,100	-0.919970861	-109.1853485	36.59552687	10/20/2012	103332	1827.58	NMEA 0183	12	2
662329.355	4051555.396	29,100	-0.919970861	-109.1852364	36.5956902	10/20/2012	103447	1827.73	NMEA 0183	12	2
662328.2863	4051558.598	29,100	-0.919970861	-109.1852476	36.59571923	10/20/2012	103600	1826.97	NMEA 0183	12	2
662342.6029	4051568.4	29,100	-0.919970861	-109.1850856	36.59580512	10/20/2012	103626	1828.13	NMEA 0183	12	2
662349.5622	4051569.904	29,100	-0.919970861	-109.1850075	36.59581748	10/20/2012	103642	1826.73	NMEA 0183	12	2
662345.5997	4051572.014	29,100	-0.919970861	-109.1850513	36.59583717	10/20/2012	103657	1827.42	NMEA 0183	12	2
662320.7483	4051551.091	29,100	-0.919970861	-109.1853335	36.59565287	10/20/2012	103734	1826.26	NMEA 0183	12	2
662338.208	4051581.716	29,100	-0.919970861	-109.1851319	36.59592585	10/20/2012	103905	1830.17	NMEA 0183	12	2
662337.9074	4051581.444	29,100	-0.919970861	-109.1851353	36.59592345	10/20/2012	103906	1830.1	NMEA 0183	12	2
662322.0238	4051563.395	29,100	-0.919970861	-109.1853166	36.59576352	10/20/2012	104002	1827.07	NMEA 0183	12	2
662308.7977	4051545.684	29,100	-0.919970861	-109.1854681	36.59560618	10/20/2012	104026	1826.65	NMEA 0183	12	2
662319.9306	4051561.694	29,100	-0.919970861	-109.1853404	36.59574855	10/20/2012	104101	1827.12	NMEA 0183	12	2
662328.5411	4051572.509	29,100	-0.919970861	-109.1852419	36.59584453	10/20/2012	104116	1828.35	NMEA 0183	12	2
662329.2564	4051573.329	29,100	-0.919970861	-109.1852337	36.5958518	10/20/2012	104117	1828.5	NMEA 0183	12	2
662313.7635	4051560.024	29,100	-0.919970861	-109.1854096	36.59573455	10/20/2012	104321	1826.72	NMEA 0183	12	2
662317.4439	4051564.712	29,100	-0.919970861	-109.1853675	36.59577617	10/20/2012	104327	1827.32	NMEA 0183	12	2
662320.9275	4051574.456	29,100	-0.919970861	-109.1853265	36.59586337	10/20/2012	104347	1828.67	NMEA 0183	12	2
662322.6522	4051577.268	29,100	-0.919970861	-109.1853067	36.59588842	10/20/2012	104355	1828.72	NMEA 0183	12	2
662327.0502	4051584.713	29,100	-0.919970861	-109.1852559	36.59595475	10/20/2012	104423	1830.6	NMEA 0183	12	2
662320.4952	4051579.024	29,100	-0.919970861	-109.1853304	36.5959046	10/20/2012	104533	1829.26	NMEA 0183	12	2
662315.2465	4051571.289	29,100	-0.919970861	-109.1853907	36.5958358	10/20/2012	104553	1827.97	NMEA 0183	12	2
662321.1811	4051591.827	29,100	-0.919970861	-109.18532	36.59601985	10/20/2012	104646	1831	NMEA 0183	12	2
662317.6498	4051594.085	29,100	-0.919970861	-109.185359	36.5960408	10/20/2012	104705	1830.89	NMEA 0183	12	2
662319.1849	4051592.248	29,100	-0.919970861	-109.1853422	36.59602398	10/20/2012	104724	1830.57	NMEA 0183	12	2
662331.2442	4051588.037	29,100	-0.919970861	-109.1852084	36.59598398	10/20/2012	104835	1830.75	NMEA 0183	12	2
662329.014	4051591.69	29,100	-0.919970861	-109.1852325	36.59601728	10/20/2012	104915	1830.63	NMEA 0183	12	2
662328.8139	4051591.622	29,100	-0.919970861	-109.1852348	36.5960167	10/20/2012	105009	1831.09	NMEA 0183	12	2
662329.3504	4051591.251	29,100	-0.919970861	-109.1852289	36.59601327	10/20/2012	105026	1830.98	NMEA 0183	12	2
662329.4013	4051591.239	29,100	-0.919970861	-109.1852283	36.59601315	10/20/2012	105033	1831.02	NMEA 0183	12	2
662329.3907	4051591.25	29,100	-0.919970861	-109.1852284	36.59601325	10/20/2012	105036	1831.06	NMEA 0183	12	2
662329.3138	4051591.293	29,100	-0.919970861	-109.1852293	36.59601365	10/20/2012	105040	1831.07	NMEA 0183	12	2
662329.8795	4051590.957	29,100	-0.919970861	-109.185223	36.59601053	10/20/2012	105148	1830.81	NMEA 0183	12	2
662329.6994	4051591.095	29,100	-0.919970861	-109.185225	36.5960118	10/20/2012	105154	1830.83	NMEA 0183	12	2
662330.1485	4051590.927	29,100	-0.919970861	-109.18522	36.59601022	10/20/2012	105213	1830.93	NMEA 0183	12	2
662330.2372	4051590.972	29,100	-0.919970861	-109.185219	36.5960106	10/20/2012	105249	1830.89	NMEA 0183	12	2
662329.3964	4051595.367	29,100	-0.919970861	-109.1852275	36.59605035	10/20/2012	105352	1830.9	NMEA 0183	12	2
662326.1607	4051600.931	29,100	-0.919970861	-109.1852625	36.59610103	10/20/2012	105416	1830.64	NMEA 0183	12	2
662312.2612	4051567.226	29,100	-0.919970861	-109.1854249	36.5957997	10/20/2012	105638	1826.71	NMEA 0183	12	2
662315.2526	4051552.885	29,100	-0.919970861	-109.1853945	36.59566997	10/20/2012	105759	1826.61	NMEA 0183	12	2
662315.212	4051552.902	29,100	-0.919970861	-109.1853949	36.59567013	10/20/2012	105814	1826.5	NMEA 0183	12	2
662309.2822	4051566.935	29,100	-0.919970861	-109.1854582	36.59579758	10/20/2012	105942	1827.08	NMEA 0183	12	2
662307.6824	4051561.065	29,100	-0.919970861	-109.1854774	36.59574497	10/20/2012	110104	1827.12	NMEA 0183	12	2
662307.0549	4051565.465	29,100	-0.919970861	-109.1854834	36.59578472	10/20/2012	110115	1827.33	NMEA 0183	12	2
662306.953	4051568.33	29,100	-0.919970861	-109.185484	36.59581055	10/20/2012	110119	1827.88	NMEA 0183	12	2
662302.9169	4051557.357	29,100	-0.919970861	-109.1855314	36.59571237	10/20/2012	110240	1826.78	NMEA 0183	12	2
662300.3921	4051548.342	29,100	-0.919970861	-109.1855615	36.59563157	10/20/2012	110417	1826.44	NMEA 0183	12	2
662297.2826	4051550.618	29,100	-0.919970861	-109.1855958	36.59565626	10/20/2012	110424	1826.47	NMEA 0183	12	2
662311.5224	4051518.136	29,100	-0.919970861	-109.1854435	36.5953575	10/20/2012	110638	1826.06	NMEA 0183	12	2
662314.0456	4051511.051	29,100	-0.919970861	-109.1854168	36.59529323	10/20/2012	110655	1826.23	NMEA 0183	12	2
662309.9615	4051514.859	29,100	-0.919970861	-109.1854616	36.59532823	10/20/2012	110712	1825.95	NMEA 0183	12	2
662297.4655	4051541.802	29,100	-0.919970861	-109.1855956	36.59557313	10/20/2012	110807	1827.17	NMEA 0183	12	2
662286.8692	4051568.925	29,100	-0.919970861	-109.1857083	36.59581933	10/20/2012	110907	1827.84	NMEA 0183	12	2
662293.9477	4051532.444	29,100	-0.919970861	-109.1856369	36.59548942	10/20/2012	111219	1826.67	NMEA 0183	12	2
662279.2009	4051551.421	29,100	-0.919970861	-109.1857977	36.59566292	10/20/2012	111401	1827.22	NMEA 0183	12	2
662298.1806	4051512.383	29,100	-0.919970861	-109.1855938	36.59530793	10/20/2012	111457	1825.26	NMEA 0183	12	2
662296.6421	4051509.816	29,100	-0.919970861	-109.1856115	36.59528507	10/20/2012	111530	1825.27	NMEA 0183	12	2
662270.7875	4051570.292	29,100	-0.919970861	-109.1858877	36.59583438	10/20/2012	111651	1827.96	NMEA 0183	12	2
662295.4319	4051501.716	29,100	-0.919970861	-109.1856268	36.59521228	10/20/2012	111849	1824.91	NMEA 0183	12	2
662292.2096	4051502.619	29,100	-0.919970861	-109.1856626	36.59522097	10/20/2012	111857	1824.75	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662272.5821	4051535.596	29,100	-0.919970861	-109.185875	36.59552145	10/20/2012	112000	1827.34	NMEA 0183	12	2
662272.3012	4051540.6	29,100	-0.919970861	-109.185877	36.59556658	10/20/2012	112008	1827.07	NMEA 0183	12	2
662271.2796	4051545.49	29,100	-0.919970861	-109.1858874	36.59561082	10/20/2012	112051	1827.33	NMEA 0183	12	2
662271.0871	4051546.13	29,100	-0.919970861	-109.1858894	36.59561662	10/20/2012	112115	1827.56	NMEA 0183	12	2
662260.9692	4051563.328	29,100	-0.919970861	-109.1859989	36.5957733	10/20/2012	112139	1828.76	NMEA 0183	12	2
662279.4463	4051520.732	29,100	-0.919970861	-109.1858014	36.59538635	10/20/2012	112348	1825.45	NMEA 0183	12	2
662283.008	4051502.724	29,100	-0.919970861	-109.1857654	36.59522348	10/20/2012	112443	1824.9	NMEA 0183	12	2
662277.9587	4051513.888	29,100	-0.919970861	-109.1858195	36.59532493	10/20/2012	112457	1825.24	NMEA 0183	12	2
662267.8013	4051536.729	29,100	-0.919970861	-109.1859281	36.59553247	10/20/2012	112536	1826.19	NMEA 0183	12	2
662255.2106	4051556.61	29,100	-0.919970861	-109.1860646	36.59571375	10/20/2012	112719	1826.77	NMEA 0183	12	2
662255.2402	4051556.62	29,100	-0.919970861	-109.1860643	36.59571383	10/20/2012	112720	1826.79	NMEA 0183	12	2
662250.2155	4051563.563	29,100	-0.919970861	-109.186119	36.59577725	10/20/2012	112829	1826.88	NMEA 0183	12	2
662245.3006	4051552.603	29,100	-0.919970861	-109.1861762	36.59567933	10/20/2012	113132	1826.46	NMEA 0183	12	2
662245.1609	4051540.962	29,100	-0.919970861	-109.1861802	36.59557447	10/20/2012	113147	1826.47	NMEA 0183	12	2
662253.7555	4051533.432	29,100	-0.919970861	-109.1860858	36.59550515	10/20/2012	113157	1826.45	NMEA 0183	12	2
662241.8411	4051508.166	29,100	-0.919970861	-109.1862243	36.59527952	10/20/2012	113227	1825.77	NMEA 0183	12	2
662238.7214	4051505.447	29,100	-0.919970861	-109.1862597	36.59525555	10/20/2012	113232	1825.61	NMEA 0183	12	2
662235.9133	4051489.47	29,100	-0.919970861	-109.1862944	36.59511207	10/20/2012	113249	1825.34	NMEA 0183	12	2
662227.7698	4051493.883	29,100	-0.919970861	-109.1863845	36.59515322	10/20/2012	113308	1825.32	NMEA 0183	12	2
662220.2409	4051487.393	29,100	-0.919970861	-109.18647	36.59509602	10/20/2012	113321	1825.21	NMEA 0183	12	2
662238.514	4051502.372	29,100	-0.919970861	-109.1862627	36.59522788	10/20/2012	113353	1825.7	NMEA 0183	12	2
662263.2222	4051527.734	29,100	-0.919970861	-109.1859812	36.5954522	10/20/2012	113451	1825.53	NMEA 0183	12	2
662257.377	4051508.302	29,100	-0.919970861	-109.1860506	36.5952781	10/20/2012	113722	1825.47	NMEA 0183	12	2
662253.2076	4051504.542	29,100	-0.919970861	-109.186098	36.59524493	10/20/2012	113727	1825.26	NMEA 0183	12	2
662240.5117	4051480.693	29,100	-0.919970861	-109.1862449	36.59503322	10/20/2012	113813	1824.66	NMEA 0183	12	2
662250.8267	4051495.563	29,100	-0.919970861	-109.1861265	36.59516443	10/20/2012	113835	1825.16	NMEA 0183	12	2
662257.8815	4051503.859	29,100	-0.919970861	-109.1860459	36.59523798	10/20/2012	113845	1825.2	NMEA 0183	12	2
662261.8493	4051509.368	29,100	-0.919970861	-109.1860004	36.59528695	10/20/2012	113852	1825.3	NMEA 0183	12	2
662259.3693	4051494.259	29,100	-0.919970861	-109.1860313	36.59515123	10/20/2012	114041	1825.19	NMEA 0183	12	2
662250.156	4051473.26	29,100	-0.919970861	-109.1861387	36.59496358	10/20/2012	114213	1824.49	NMEA 0183	12	2
662265.5959	4051492.938	29,100	-0.919970861	-109.185962	36.59513827	10/20/2012	114236	1824.99	NMEA 0183	12	2
662260.5533	4051475.789	29,100	-0.919970861	-109.186022	36.5949846	10/20/2012	114428	1824.46	NMEA 0183	12	2
662281.6423	4051502.144	29,100	-0.919970861	-109.1857808	36.59521848	10/20/2012	114503	1824.86	NMEA 0183	12	2
662262.8501	4051470.028	29,100	-0.919970861	-109.1859975	36.5949331	10/20/2012	114616	1824.22	NMEA 0183	12	2
662273.3041	4051484.17	29,100	-0.919970861	-109.1858777	36.59505795	10/20/2012	114633	1824.42	NMEA 0183	12	2
662286.9963	4051492.06	29,100	-0.919970861	-109.1857231	36.59512672	10/20/2012	114702	1824.69	NMEA 0183	12	2
662286.1191	4051497.835	29,100	-0.919970861	-109.1857317	36.5951789	10/20/2012	114713	1824.9	NMEA 0183	12	2
662307.3707	4051530.972	29,100	-0.919970861	-109.1854872	36.59547387	10/20/2012	114842	1826.21	NMEA 0183	12	2
662306.4907	4051536.978	29,100	-0.919970861	-109.1854958	36.59552813	10/20/2012	114849	1826.48	NMEA 0183	12	2
662314.6368	4051523.418	29,100	-0.919970861	-109.1854076	36.59540457	10/20/2012	114914	1826.14	NMEA 0183	12	2
662320.8908	4051518.439	29,100	-0.919970861	-109.1853388	36.59535863	10/20/2012	114927	1825.77	NMEA 0183	12	2
662321.2644	4051523.928	29,100	-0.919970861	-109.1853334	36.59540803	10/20/2012	114935	1825.94	NMEA 0183	12	2
662278.7808	4051485.045	29,100	-0.919970861	-109.1858164	36.5950649	10/20/2012	115107	1825.01	NMEA 0183	12	2
662262.0298	4051477.294	29,200	-0.86793631	-109.1860052	36.59499792	10/20/2012	102504	1824.61	NMEA 0183	12	2
662264.4333	4051471.806	29,200	-0.86793631	-109.1859795	36.59494805	10/20/2012	102553	1825.1	NMEA 0183	12	2
662264.2941	4051471.753	29,200	-0.86793631	-109.185981	36.5949476	10/20/2012	102600	1825.07	NMEA 0183	12	2
662285.3583	4051487.573	29,200	-0.86793631	-109.1857423	36.59508657	10/20/2012	102639	1825.39	NMEA 0183	12	2
662336.5301	4051530.628	29,200	-0.86793631	-109.1851614	36.5954658	10/20/2012	102745	1826.49	NMEA 0183	12	2
662337.2858	4051531.369	29,200	-0.86793631	-109.1851528	36.59547235	10/20/2012	102746	1826.49	NMEA 0183	12	2
662339.4272	4051532.965	29,200	-0.86793631	-109.1851286	36.59548637	10/20/2012	102749	1826.46	NMEA 0183	12	2
662343.8767	4051537.211	29,200	-0.86793631	-109.1850779	36.59552387	10/20/2012	102755	1826.53	NMEA 0183	12	2
662339.9573	4051542.566	29,200	-0.86793631	-109.1851206	36.59557278	10/20/2012	102924	1827.98	NMEA 0183	12	2
662340.3105	4051543.212	29,200	-0.86793631	-109.1851165	36.59557855	10/20/2012	102925	1828.17	NMEA 0183	12	2
662350.4027	4051550.123	29,200	-0.86793631	-109.1850023	36.5956391	10/20/2012	102941	1827.11	NMEA 0183	12	2
662330.0127	4051536.448	29,200	-0.86793631	-109.185233	36.59551935	10/20/2012	103109	1827.28	NMEA 0183	12	2
662332.6223	4051543.661	29,200	-0.86793631	-109.1852023	36.5955839	10/20/2012	103147	1827.45	NMEA 0183	12	2
662341.6225	4051554.219	29,200	-0.86793631	-109.1850995	36.5956775	10/20/2012	103230	1827.87	NMEA 0183	12	2
662334.5517	4051550.645	29,200	-0.86793631	-109.1851793	36.5956465	10/20/2012	103247	1827.48	NMEA 0183	12	2
662339.7732	4051558.708	29,200	-0.86793631	-109.1851193	36.59571827	10/20/2012	103405	1828.31	NMEA 0183	12	2
662334.1549	4051557.986	29,200	-0.86793631	-109.1851822	36.59571272	10/20/2012	103439	1828.06	NMEA 0183	12	2
662331.4505	4051556.503	29,200	-0.86793631	-109.1852127	36.59569982	10/20/2012	103443	1827.84	NMEA 0183	12	2
662328.2592	4051555.45	29,200	-0.86793631	-109.1852486	36.59569087	10/20/2012	103449	1827.51	NMEA 0183	12	2
662342.8367	4051570.238	29,200	-0.86793631	-109.1850826	36.59582163	10/20/2012	103628	1827.67	NMEA 0183	12	2
662346.0542	4051568.643	29,200	-0.86793631	-109.185047	36.59580672	10/20/2012	103636	1827.04	NMEA 0183	12	2
662318.9115	4051550.579	29,200	-0.86793631	-109.1853541	36.59564857	10/20/2012	103738	1826.2	NMEA 0183	12	2
662318.9526	4051551.404	29,200	-0.86793631	-109.1853535	36.595656	10/20/2012	103740	1826.28	NMEA 0183	12	2
662313.8053	4051552.201	29,200	-0.86793631	-109.1854108	36.59566405	10/20/2012	104018	1826.79	NMEA 0183	12	2
662317.3785	4051558.387	29,200	-0.86793631	-109.1853696	36.59571918	10/20/2012	104057	1827.08	NMEA 0183	12	2
662331.8206	4051580.815	29,200	-0.86793631	-109.1852035	36.59591882	10/20/2012	104129	1830.53	NMEA 0183	12	2
662331.3123	4051585.378	29,200	-0.86793631	-109.1852082	36.59596002	10/20/2012	104201	1831.23	NMEA 0183	12	2
662323.6257	4051570.11	29,200	-0.86793631	-109.1852973	36.59582375	10/20/2012	104224	1827.87	NMEA 0183	12	2
662311.2153	4051555.243	29,200	-0.86793631	-109.1854391	36.5956919	10/20/2012	104244	1826.65	NMEA 0183	12	2
662313.0629	4051559.212	29,200	-0.86793631	-109.1854176	36.59572735	10/20/2012	104320	1826.67	NMEA 0183	12	2
662316.2006	4051563.181	29,200	-0.86793631	-109.1853817	36.59576258	10/20/2012	104325	1827.08	NMEA 0183	12	2
662320.6287	4051573.22	29,200	-0.86793631	-109.1853301	36.59585228	10/20/2012	104345	1828.53	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662325.0985	4051581.522	29,200	-0.86793631	-109.1852784	36.59592633	10/20/2012	104417	1829.75	NMEA 0183	12	2
662327.7618	4051586.917	29,200	-0.86793631	-109.1852475	36.59597448	10/20/2012	104426	1830.77	NMEA 0183	12	2
662328.5458	4051589.867	29,200	-0.86793631	-109.1852381	36.59600093	10/20/2012	104441	1830.56	NMEA 0183	12	2
662328.4058	4051593.171	29,200	-0.86793631	-109.185239	36.59603073	10/20/2012	104458	1830.68	NMEA 0183	12	2
662313.6444	4051571.458	29,200	-0.86793631	-109.1854085	36.5958376	10/20/2012	104601	1827.4	NMEA 0183	12	2
662320.2817	4051583.22	29,200	-0.86793631	-109.1853319	36.59594245	10/20/2012	104625	1830.02	NMEA 0183	12	2
662321.1822	4051598.714	29,200	-0.86793631	-109.1853186	36.5960819	10/20/2012	104757	1829.96	NMEA 0183	12	2
662329.6536	4051589.414	29,200	-0.86793631	-109.1852259	36.59599667	10/20/2012	104826	1830.69	NMEA 0183	12	2
662329.034	4051591.576	29,200	-0.86793631	-109.1852323	36.59601625	10/20/2012	104950	1830.97	NMEA 0183	12	2
662329.0294	4051591.587	29,200	-0.86793631	-109.1852324	36.59601635	10/20/2012	104954	1830.99	NMEA 0183	12	2
662328.6534	4051591.672	29,200	-0.86793631	-109.1852366	36.59601718	10/20/2012	105007	1831.07	NMEA 0183	12	2
662330.4206	4051590.97	29,200	-0.86793631	-109.185217	36.59601055	10/20/2012	105239	1830.9	NMEA 0183	12	2
662330.1731	4051590.969	29,200	-0.86793631	-109.1852197	36.59601058	10/20/2012	105300	1830.74	NMEA 0183	12	2
662330.0073	4051590.899	29,200	-0.86793631	-109.1852216	36.59600998	10/20/2012	105320	1830.69	NMEA 0183	12	2
662329.6523	4051591.059	29,200	-0.86793631	-109.1852255	36.59601148	10/20/2012	105325	1830.71	NMEA 0183	12	2
662314.5616	4051553.537	29,200	-0.86793631	-109.1854021	36.59567597	10/20/2012	105705	1826.36	NMEA 0183	12	2
662314.9683	4051552.853	29,200	-0.86793631	-109.1853977	36.59566973	10/20/2012	105711	1826.48	NMEA 0183	12	2
662315.2088	4051552.913	29,200	-0.86793631	-109.185395	36.59567023	10/20/2012	105815	1826.51	NMEA 0183	12	2
662315.117	4051552.878	29,200	-0.86793631	-109.185396	36.59566993	10/20/2012	105840	1826.49	NMEA 0183	12	2
662312.1605	4051557.632	29,200	-0.86793631	-109.185428	36.59571327	10/20/2012	105924	1826.57	NMEA 0183	12	2
662311.0705	4051564.092	29,200	-0.86793631	-109.1854389	36.59577167	10/20/2012	105934	1826.77	NMEA 0183	12	2
662309.4061	4051575.932	29,200	-0.86793631	-109.185455	36.59587863	10/20/2012	105957	1828.14	NMEA 0183	12	2
662309.3422	4051560.603	29,200	-0.86793631	-109.1854589	36.59574052	10/20/2012	110035	1827.26	NMEA 0183	12	2
662307.3681	4051558.039	29,200	-0.86793631	-109.1854815	36.59571775	10/20/2012	110058	1827.9	NMEA 0183	12	2
662306.963	4051564.013	29,200	-0.86793631	-109.1854848	36.59577165	10/20/2012	110113	1827.2	NMEA 0183	12	2
662305.1256	4051562.267	29,200	-0.86793631	-109.1855057	36.59575623	10/20/2012	110206	1826.89	NMEA 0183	12	2
662299.7057	4051569.286	29,200	-0.86793631	-109.1855648	36.5958204	10/20/2012	110309	1827.41	NMEA 0183	12	2
662295.0857	4051571.696	29,200	-0.86793631	-109.1856159	36.5958429	10/20/2012	110333	1827.68	NMEA 0183	12	2
662295.4213	4051553.455	29,200	-0.86793631	-109.185616	36.59567848	10/20/2012	110430	1826.54	NMEA 0183	12	2
662291.1358	4051573.379	29,200	-0.86793631	-109.1856597	36.59585873	10/20/2012	110502	1827.8	NMEA 0183	12	2
662306.3489	4051527.032	29,200	-0.86793631	-109.1854994	36.59543853	10/20/2012	110623	1826.01	NMEA 0183	12	2
662315.0599	4051511.365	29,200	-0.86793631	-109.1854054	36.59529588	10/20/2012	110649	1825.62	NMEA 0183	12	2
662311.9378	4051512.41	29,200	-0.86793631	-109.1854401	36.59530583	10/20/2012	110706	1826.69	NMEA 0183	12	2
662309.3188	4051516.827	29,200	-0.86793631	-109.1854684	36.59534608	10/20/2012	110715	1826.06	NMEA 0183	12	2
662305.4302	4051528.054	29,200	-0.86793631	-109.1855095	36.5954479	10/20/2012	110742	1826.22	NMEA 0183	12	2
662287.4177	4051569.102	29,200	-0.86793631	-109.1857021	36.59582083	10/20/2012	110906	1827.71	NMEA 0183	12	2
662280.6606	4051574.742	29,200	-0.86793631	-109.1857764	36.5958728	10/20/2012	110926	1827.51	NMEA 0183	12	2
662282.1383	4051556.364	29,200	-0.86793631	-109.1857638	36.59570695	10/20/2012	111002	1826.99	NMEA 0183	12	2
662298.6343	4051528.878	29,200	-0.86793631	-109.1855853	36.59545648	10/20/2012	111043	1826.29	NMEA 0183	12	2
662304.1726	4051513.144	29,200	-0.86793631	-109.1855267	36.59531377	10/20/2012	111121	1825.95	NMEA 0183	12	2
662307.6608	4051507.32	29,200	-0.86793631	-109.1854889	36.5952607	10/20/2012	111136	1826.03	NMEA 0183	12	2
662279.4306	4051558.604	29,200	-0.86793631	-109.1857936	36.5957276	10/20/2012	111259	1826.91	NMEA 0183	12	2
662272.1593	4051569.439	29,200	-0.86793631	-109.1858725	36.59582647	10/20/2012	111326	1827.9	NMEA 0183	12	2
662276.3646	4051560.082	29,200	-0.86793631	-109.1858275	36.59574143	10/20/2012	111349	1826.94	NMEA 0183	12	2
662283.8901	4051527.173	29,200	-0.86793631	-109.1857504	36.59544363	10/20/2012	111801	1825.41	NMEA 0183	12	2
662294.5078	4051505.551	29,200	-0.86793631	-109.1856363	36.595247	10/20/2012	111843	1824.79	NMEA 0183	12	2
662287.3327	4051515.473	29,200	-0.86793631	-109.1857144	36.59533762	10/20/2012	111915	1825.13	NMEA 0183	12	2
662280.4089	4051526.15	29,200	-0.86793631	-109.1857895	36.595435	10/20/2012	111936	1826.48	NMEA 0183	12	2
662267.5721	4051549.977	29,200	-0.86793631	-109.1859279	36.59565188	10/20/2012	112253	1827.85	NMEA 0183	12	2
662270.562	4051545.583	29,200	-0.86793631	-109.1858954	36.59561178	10/20/2012	112259	1827.45	NMEA 0183	12	2
662275.3099	4051516.489	29,200	-0.86793631	-109.1858485	36.59534882	10/20/2012	112501	1825.31	NMEA 0183	12	2
662268.5524	4051538.896	29,200	-0.86793631	-109.1859193	36.59555187	10/20/2012	112542	1826.41	NMEA 0183	12	2
662257.102	4051553.281	29,200	-0.86793631	-109.1860442	36.59568343	10/20/2012	112649	1826.8	NMEA 0183	12	2
662250.6517	4051563.684	29,200	-0.86793631	-109.1861141	36.59577827	10/20/2012	112809	1826.87	NMEA 0183	12	2
662250.2598	4051563.667	29,200	-0.86793631	-109.1861185	36.59577818	10/20/2012	112813	1826.84	NMEA 0183	12	2
662249.5367	4051563.65	29,200	-0.86793631	-109.1861266	36.59577815	10/20/2012	112851	1826.29	NMEA 0183	12	2
662250.5461	4051562.563	29,200	-0.86793631	-109.1861155	36.59576818	10/20/2012	112935	1826.71	NMEA 0183	12	2
662250.574	4051562.589	29,200	-0.86793631	-109.1861152	36.59576842	10/20/2012	112936	1826.72	NMEA 0183	12	2
662245.977	4051552.092	29,200	-0.86793631	-109.1861688	36.59567462	10/20/2012	113109	1826.95	NMEA 0183	12	2
662245.5424	4051552.597	29,200	-0.86793631	-109.1861735	36.59567923	10/20/2012	113119	1826.63	NMEA 0183	12	2
662246.3747	4051538.849	29,200	-0.86793631	-109.1861671	36.59555522	10/20/2012	113149	1826.33	NMEA 0183	12	2
662228.5649	4051490.321	29,200	-0.86793631	-109.1863764	36.59512098	10/20/2012	113304	1825.25	NMEA 0183	12	2
662228.2173	4051494.515	29,200	-0.86793631	-109.1863794	36.59515883	10/20/2012	113338	1825.24	NMEA 0183	12	2
662267.0688	4051536.263	29,200	-0.86793631	-109.1859364	36.5955284	10/20/2012	113433	1826.19	NMEA 0183	12	2
662244.685	4051501.629	29,200	-0.86793631	-109.1861939	36.59522013	10/20/2012	113616	1825.21	NMEA 0183	12	2
662264.8326	4051524.836	29,200	-0.86793631	-109.1859638	36.59542582	10/20/2012	113645	1824.34	NMEA 0183	12	2
662238.1626	4051479.35	29,200	-0.86793631	-109.1862714	36.5950205	10/20/2012	113805	1824.83	NMEA 0183	12	2
662262.9102	4051511.162	29,200	-0.86793631	-109.1859882	36.59530293	10/20/2012	113854	1825.27	NMEA 0183	12	2
662258.2274	4051482.929	29,200	-0.86793631	-109.1860465	36.59504933	10/20/2012	114225	1824.72	NMEA 0183	12	2
662264.8076	4051491.005	29,200	-0.86793631	-109.1859712	36.59512098	10/20/2012	114234	1824.91	NMEA 0183	12	2
662280.5429	4051510.285	29,200	-0.86793631	-109.1857913	36.59529203	10/20/2012	114310	1825.16	NMEA 0183	12	2
662251.9913	4051471.005	29,200	-0.86793631	-109.1861187	36.59494295	10/20/2012	114404	1824.4	NMEA 0183	12	2
662253.7708	4051467.128	29,200	-0.86793631	-109.1860996	36.59490772	10/20/2012	114417	1824.37	NMEA 0183	12	2
662277.4112	4051494.147	29,200	-0.86793631	-109.1858297	36.59514715	10/20/2012	114453	1824.73	NMEA 0183	12	2
662281.3499	4051496.382	29,200	-0.86793631	-109.1857853	36.59516662	10/20/2012	114530	1824.86	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662260.4259	4051469.183	29,200	-0.86793631	-109.1860248	36.5949251	10/20/2012	114606	1824.31	NMEA 0183	12	2
662288.8684	4051491.572	29,200	-0.86793631	-109.1857023	36.5951122	10/20/2012	114705	1824.65	NMEA 0183	12	2
662290.6546	4051495.477	29,200	-0.86793631	-109.1856815	36.59515688	10/20/2012	114744	1824.86	NMEA 0183	12	2
662294.1267	4051499.749	29,200	-0.86793631	-109.1856418	36.59519478	10/20/2012	114752	1825.01	NMEA 0183	12	2
662296.5884	4051506.423	29,200	-0.86793631	-109.1856129	36.5952545	10/20/2012	114805	1825.5	NMEA 0183	12	2
662323.8432	4051524.876	29,200	-0.86793631	-109.1853044	36.59541613	10/20/2012	114939	1825.95	NMEA 0183	12	2
662328.965	4051524.005	29,200	-0.86793631	-109.1852474	36.59540742	10/20/2012	114949	1825.9	NMEA 0183	12	2
662317.3129	4051515.19	29,200	-0.86793631	-109.1853794	36.59532997	10/20/2012	115004	1826.2	NMEA 0183	12	2
662275.0812	4051483.419	29,200	-0.86793631	-109.185858	36.59505088	10/20/2012	115111	1824.86	NMEA 0183	12	2
662270.5917	4051480.023	29,200	-0.86793631	-109.1859089	36.59502105	10/20/2012	115126	1824.67	NMEA 0183	12	2
662270.5807	4051479.973	29,200	-0.86793631	-109.1859091	36.5950206	10/20/2012	115128	1824.66	NMEA 0183	12	2
662266.0651	4051473.936	29,300	-0.815901759	-109.1859608	36.59496697	10/20/2012	102616	1825.05	NMEA 0183	12	2
662338.6156	4051532.269	29,300	-0.815901759	-109.1851378	36.59548023	10/20/2012	102748	1826.56	NMEA 0183	12	2
662347.7399	4051540.597	29,300	-0.815901759	-109.1850341	36.59555372	10/20/2012	102800	1826.76	NMEA 0183	12	2
662346.944	4051542.62	29,300	-0.815901759	-109.1850425	36.59557208	10/20/2012	102827	1827.11	NMEA 0183	12	2
662338.1326	4051534.942	29,300	-0.815901759	-109.1851426	36.5955044	10/20/2012	102841	1827.72	NMEA 0183	12	2
662329.2956	4051526.405	29,300	-0.815901759	-109.1852432	36.59542898	10/20/2012	102856	1825.92	NMEA 0183	12	2
662341.5027	4051546.266	29,300	-0.815901759	-109.1851026	36.59560587	10/20/2012	103048	1827.66	NMEA 0183	12	2
662336.4568	4051547.459	29,300	-0.815901759	-109.1851587	36.59561747	10/20/2012	103154	1828.09	NMEA 0183	12	2
662336.9913	4051547.824	29,300	-0.815901759	-109.1851526	36.59562067	10/20/2012	103156	1828.17	NMEA 0183	12	2
662338.9697	4051551.107	29,300	-0.815901759	-109.1851298	36.59564992	10/20/2012	103203	1828.6	NMEA 0183	12	2
662348.8484	4051557.711	29,300	-0.815901759	-109.1850181	36.59570773	10/20/2012	103220	1827.25	NMEA 0183	12	2
662340.9712	4051553.716	29,300	-0.815901759	-109.1851069	36.59567308	10/20/2012	103231	1828.03	NMEA 0183	12	2
662332.5873	4051548.438	29,300	-0.815901759	-109.1852017	36.59562695	10/20/2012	103250	1827.38	NMEA 0183	12	2
662322.6867	4051541.252	29,300	-0.815901759	-109.1853139	36.59556388	10/20/2012	103340	1828.21	NMEA 0183	12	2
662326.8563	4051546.18	29,300	-0.815901759	-109.1852662	36.59560758	10/20/2012	103348	1828.21	NMEA 0183	12	2
662345.8356	4051561.026	29,300	-0.815901759	-109.185051	36.59573812	10/20/2012	103411	1827.65	NMEA 0183	12	2
662342.9457	4051561.863	29,300	-0.815901759	-109.1850831	36.59574615	10/20/2012	103425	1828.46	NMEA 0183	12	2
662340.6524	4051569.329	29,300	-0.815901759	-109.1851072	36.59581382	10/20/2012	103705	1827.6	NMEA 0183	12	2
662324.7056	4051560.157	29,300	-0.815901759	-109.1852873	36.59573388	10/20/2012	103829	1826.96	NMEA 0183	12	2
662334.0388	4051577.953	29,300	-0.815901759	-109.1851793	36.59589265	10/20/2012	103915	1829	NMEA 0183	12	2
662329.5412	4051571.041	29,300	-0.815901759	-109.185231	36.59583113	10/20/2012	103943	1827.86	NMEA 0183	12	2
662323.8556	4051565.991	29,300	-0.815901759	-109.1852956	36.5957866	10/20/2012	103955	1827.5	NMEA 0183	12	2
662309.9776	4051547.256	29,300	-0.815901759	-109.1854546	36.59562015	10/20/2012	104024	1826.89	NMEA 0183	12	2
662323.4986	4051569.73	29,300	-0.815901759	-109.1852988	36.59582035	10/20/2012	104225	1827.89	NMEA 0183	12	2
662301.9572	4051546.104	29,300	-0.815901759	-109.1855445	36.59561113	10/20/2012	104257	1826.28	NMEA 0183	12	2
662302.1332	4051548.784	29,300	-0.815901759	-109.185542	36.59563525	10/20/2012	104301	1826.37	NMEA 0183	12	2
662304.577	4051551.431	29,300	-0.815901759	-109.1855141	36.59565868	10/20/2012	104306	1827.2	NMEA 0183	12	2
662307.2143	4051554.177	29,300	-0.815901759	-109.185484	36.59568298	10/20/2012	104310	1827.26	NMEA 0183	12	2
662312.2662	4051558.514	29,300	-0.815901759	-109.1854267	36.5957212	10/20/2012	104319	1826.65	NMEA 0183	12	2
662324.3205	4051577.463	29,300	-0.815901759	-109.185288	36.59588988	10/20/2012	104406	1829.3	NMEA 0183	12	2
662324.908	4051589.63	29,300	-0.815901759	-109.1852788	36.59599942	10/20/2012	104453	1831.02	NMEA 0183	12	2
662328.8739	4051593.735	29,300	-0.815901759	-109.1852337	36.59603573	10/20/2012	104459	1830.87	NMEA 0183	12	2
662330.5695	4051596.037	29,300	-0.815901759	-109.1852142	36.59605618	10/20/2012	104503	1831	NMEA 0183	12	2
662314.2727	4051572.704	29,300	-0.815901759	-109.1854013	36.59584872	10/20/2012	104603	1827.59	NMEA 0183	12	2
662314.7294	4051574.107	29,300	-0.815901759	-109.1853959	36.59586128	10/20/2012	104605	1827.65	NMEA 0183	12	2
662316.8915	4051593.248	29,300	-0.815901759	-109.1853677	36.59603338	10/20/2012	104702	1830.59	NMEA 0183	12	2
662319.1837	4051592.235	29,300	-0.815901759	-109.1853423	36.59602387	10/20/2012	104723	1830.56	NMEA 0183	12	2
662320.8352	4051598.848	29,300	-0.815901759	-109.1853224	36.59608317	10/20/2012	104803	1829.87	NMEA 0183	12	2
662329.0226	4051595.891	29,300	-0.815901759	-109.1852315	36.59605513	10/20/2012	104814	1830.75	NMEA 0183	12	2
662329.0186	4051591.681	29,300	-0.815901759	-109.1852325	36.5960172	10/20/2012	104917	1830.61	NMEA 0183	12	2
662329.5894	4051591.074	29,300	-0.815901759	-109.1852262	36.59601163	10/20/2012	105112	1830.95	NMEA 0183	12	2
662329.7942	4051591.128	29,300	-0.815901759	-109.1852239	36.59601208	10/20/2012	105153	1830.9	NMEA 0183	12	2
662330.1369	4051590.986	29,300	-0.815901759	-109.1852201	36.59601075	10/20/2012	105208	1830.84	NMEA 0183	12	2
662330.4147	4051590.968	29,300	-0.815901759	-109.185217	36.59601053	10/20/2012	105238	1830.9	NMEA 0183	12	2
662329.9731	4051590.894	29,300	-0.815901759	-109.185222	36.59600995	10/20/2012	105304	1830.7	NMEA 0183	12	2
662329.9352	4051590.927	29,300	-0.815901759	-109.1852224	36.59601025	10/20/2012	105308	1830.75	NMEA 0183	12	2
662328.8789	4051595.997	29,300	-0.815901759	-109.1852331	36.59605612	10/20/2012	105355	1830.6	NMEA 0183	12	2
662326.6751	4051600.861	29,300	-0.815901759	-109.1852567	36.59610032	10/20/2012	105404	1830.74	NMEA 0183	12	2
662313.8029	4051575.544	29,300	-0.815901759	-109.1854059	36.59587438	10/20/2012	105614	1826.94	NMEA 0183	12	2
662312.1859	4051567.661	29,300	-0.815901759	-109.1854256	36.59580363	10/20/2012	105637	1826.74	NMEA 0183	12	2
662312.8974	4051565.921	29,300	-0.815901759	-109.1854181	36.59578783	10/20/2012	105641	1826.74	NMEA 0183	12	2
662313.7439	4051554.902	29,300	-0.815901759	-109.1854109	36.5956884	10/20/2012	105702	1826.3	NMEA 0183	12	2
662314.9623	4051552.853	29,300	-0.815901759	-109.1853977	36.59566973	10/20/2012	105714	1826.45	NMEA 0183	12	2
662315.2358	4051552.905	29,300	-0.815901759	-109.1853947	36.59567015	10/20/2012	105735	1826.44	NMEA 0183	12	2
662315.2148	4051552.913	29,300	-0.815901759	-109.1853949	36.59567023	10/20/2012	105810	1826.51	NMEA 0183	12	2
662315.1998	4051552.917	29,300	-0.815901759	-109.1853951	36.59567027	10/20/2012	105832	1826.54	NMEA 0183	12	2
662315.16	4051552.89	29,300	-0.815901759	-109.1853955	36.59567003	10/20/2012	105836	1826.52	NMEA 0183	12	2
662315.2057	4051552.919	29,300	-0.815901759	-109.185395	36.59567028	10/20/2012	105844	1826.54	NMEA 0183	12	2
662314.8579	4051552.853	29,300	-0.815901759	-109.1853989	36.59566975	10/20/2012	105908	1826.41	NMEA 0183	12	2
662311.7632	4051561.457	29,300	-0.815901759	-109.1854317	36.5957478	10/20/2012	105930	1826.72	NMEA 0183	12	2
662310.3215	4051565.847	29,300	-0.815901759	-109.1854469	36.5957876	10/20/2012	105937	1826.99	NMEA 0183	12	2
662308.4242	4051566.247	29,300	-0.815901759	-109.185468	36.59579153	10/20/2012	110027	1827.28	NMEA 0183	12	2
662311.7358	4051556.033	29,300	-0.815901759	-109.1854331	36.59569893	10/20/2012	110042	1826.84	NMEA 0183	12	2
662308.3755	4051559.745	29,300	-0.815901759	-109.1854699	36.59573295	10/20/2012	110102	1827.4	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662307.0267	4051563.243	29,300	-0.815901759	-109.1854842	36.5957647	10/20/2012	110109	1827.16	NMEA 0183	12	2
662306.9792	4051568.841	29,300	-0.815901759	-109.1854836	36.59581515	10/20/2012	110120	1827.99	NMEA 0183	12	2
662303.2732	4051571.742	29,300	-0.815901759	-109.1855244	36.59584192	10/20/2012	110147	1827.19	NMEA 0183	12	2
662304.0226	4051566.81	29,300	-0.815901759	-109.185517	36.59579735	10/20/2012	110159	1827.34	NMEA 0183	12	2
662304.4741	4051565.172	29,300	-0.815901759	-109.1855123	36.59578252	10/20/2012	110202	1827.03	NMEA 0183	12	2
662307.5152	4051552.145	29,300	-0.815901759	-109.1854811	36.59566462	10/20/2012	110224	1826.89	NMEA 0183	12	2
662306.7995	4051551.582	29,300	-0.815901759	-109.1854892	36.59565967	10/20/2012	110226	1826.96	NMEA 0183	12	2
662299.7271	4051564.518	29,300	-0.815901759	-109.1855655	36.59577743	10/20/2012	110254	1827.12	NMEA 0183	12	2
662298.8005	4051554.116	29,300	-0.815901759	-109.1855781	36.59568387	10/20/2012	110405	1826.55	NMEA 0183	12	2
662291.8441	4051561.306	29,300	-0.815901759	-109.1856543	36.59574983	10/20/2012	110530	1826.72	NMEA 0183	12	2
662294.149	4051552.035	29,300	-0.815901759	-109.1856305	36.5956659	10/20/2012	110543	1826.45	NMEA 0183	12	2
662300.391	4051535.762	29,300	-0.815901759	-109.1855642	36.59551822	10/20/2012	110608	1826.33	NMEA 0183	12	2
662314.6461	4051511.24	29,300	-0.815901759	-109.1854101	36.59529483	10/20/2012	110652	1825.7	NMEA 0183	12	2
662285.198	4051573.862	29,300	-0.815901759	-109.1857259	36.5958641	10/20/2012	110914	1828.08	NMEA 0183	12	2
662298.3927	4051529.587	29,300	-0.815901759	-109.1855878	36.59546292	10/20/2012	111042	1826.31	NMEA 0183	12	2
662300.4225	4051526.354	29,300	-0.815901759	-109.1855658	36.59543343	10/20/2012	111047	1826.24	NMEA 0183	12	2
662278.0059	4051560.754	29,300	-0.815901759	-109.185809	36.59574722	10/20/2012	111302	1826.98	NMEA 0183	12	2
662300.9994	4051505.996	29,300	-0.815901759	-109.1855637	36.5952499	10/20/2012	111505	1825.12	NMEA 0183	12	2
662299.491	4051504.443	29,300	-0.815901759	-109.1855808	36.59523617	10/20/2012	111516	1825.08	NMEA 0183	12	2
662267.952	4051572.116	29,300	-0.815901759	-109.185919	36.5958513	10/20/2012	111658	1827.63	NMEA 0183	12	2
662267.7387	4051570.617	29,300	-0.815901759	-109.1859217	36.59583783	10/20/2012	111701	1827.4	NMEA 0183	12	2
662281.1718	4051532.667	29,300	-0.815901759	-109.1857796	36.5954936	10/20/2012	111754	1825.85	NMEA 0183	12	2
662292.7793	4051508.857	29,300	-0.815901759	-109.1856549	36.59527708	10/20/2012	111837	1824.98	NMEA 0183	12	2
662271.768	4051543.716	29,300	-0.815901759	-109.1858823	36.59559475	10/20/2012	112013	1827.16	NMEA 0183	12	2
662262.6516	4051560.01	29,300	-0.815901759	-109.1859808	36.59574312	10/20/2012	112134	1828.37	NMEA 0183	12	2
662265.2667	4051552.161	29,300	-0.815901759	-109.1859532	36.59567195	10/20/2012	112249	1828.12	NMEA 0183	12	2
662272.5839	4051541.267	29,300	-0.815901759	-109.1858737	36.59557255	10/20/2012	112308	1827.12	NMEA 0183	12	2
662287.1091	4051498.484	29,300	-0.815901759	-109.1857205	36.59518458	10/20/2012	112436	1824.98	NMEA 0183	12	2
662282.6656	4051503.559	29,300	-0.815901759	-109.185769	36.59523107	10/20/2012	112444	1824.91	NMEA 0183	12	2
662270.6018	4051523.016	29,300	-0.815901759	-109.1858997	36.59540843	10/20/2012	112512	1825.37	NMEA 0183	12	2
662268.6387	4051538.827	29,300	-0.815901759	-109.1859183	36.59555123	10/20/2012	112546	1826.41	NMEA 0183	12	2
662268.68	4051538.93	29,300	-0.815901759	-109.1859179	36.59555215	10/20/2012	112614	1826.55	NMEA 0183	12	2
662250.6547	4051563.682	29,300	-0.815901759	-109.1861141	36.59577825	10/20/2012	112808	1826.85	NMEA 0183	12	2
662250.3591	4051562.276	29,300	-0.815901759	-109.1861177	36.59576563	10/20/2012	113028	1826.73	NMEA 0183	12	2
662246.9415	4051552.037	29,300	-0.815901759	-109.186158	36.59567395	10/20/2012	113054	1826.06	NMEA 0183	12	2
662245.5485	4051552.349	29,300	-0.815901759	-109.1861735	36.595677	10/20/2012	113133	1826.81	NMEA 0183	12	2
662253.3177	4051524.941	29,300	-0.815901759	-109.1860925	36.59542872	10/20/2012	113206	1826.35	NMEA 0183	12	2
662245.2296	4051509.835	29,300	-0.815901759	-109.186186	36.59529398	10/20/2012	113402	1825.62	NMEA 0183	12	2
662258.2716	4051527.117	29,300	-0.815901759	-109.1860367	36.59544748	10/20/2012	113421	1825.44	NMEA 0183	12	2
662252.7242	4051517.507	29,300	-0.815901759	-109.1861007	36.59536183	10/20/2012	113506	1825.7	NMEA 0183	12	2
662246.7899	4051508.403	29,300	-0.815901759	-109.1861689	36.59528082	10/20/2012	113516	1825.67	NMEA 0183	12	2
662237.9334	4051490.856	29,300	-0.815901759	-109.1862716	36.59512422	10/20/2012	113605	1825.03	NMEA 0183	12	2
662237.6955	4051478.966	29,300	-0.815901759	-109.1862767	36.59501712	10/20/2012	113804	1824.89	NMEA 0183	12	2
662240.5109	4051480.658	29,300	-0.815901759	-109.1862449	36.59503188	10/20/2012	113811	1824.67	NMEA 0183	12	2
662251.5201	4051496.52	29,300	-0.815901759	-109.1861186	36.59517293	10/20/2012	113836	1825.2	NMEA 0183	12	2
662254.035	4051499.982	29,300	-0.815901759	-109.1860897	36.5952037	10/20/2012	113840	1825.42	NMEA 0183	12	2
662259.9124	4051506.258	29,300	-0.815901759	-109.1860227	36.59525925	10/20/2012	113848	1825.18	NMEA 0183	12	2
662272.2527	4051519.707	29,300	-0.815901759	-109.185882	36.59537833	10/20/2012	113912	1825.54	NMEA 0183	12	2
662248.7641	4051480.148	29,300	-0.815901759	-109.1861528	36.59502588	10/20/2012	114023	1824.73	NMEA 0183	12	2
662265.0071	4051501.452	29,300	-0.815901759	-109.1859668	36.59521508	10/20/2012	114052	1825.1	NMEA 0183	12	2
662271.5114	4051507.072	29,300	-0.815901759	-109.1858929	36.59526462	10/20/2012	114125	1825.2	NMEA 0183	12	2
662270.0282	4051492.646	29,300	-0.815901759	-109.1859126	36.59513488	10/20/2012	114336	1824.7	NMEA 0183	12	2
662268.1227	4051490.481	29,300	-0.815901759	-109.1859343	36.5951157	10/20/2012	114339	1824.6	NMEA 0183	12	2
662253.1664	4051472.519	29,300	-0.815901759	-109.1861052	36.5949564	10/20/2012	114402	1824.49	NMEA 0183	12	2
662269.9791	4051485.689	29,300	-0.815901759	-109.1859146	36.5950722	10/20/2012	114442	1824.41	NMEA 0183	12	2
662264.3811	4051475.363	29,300	-0.815901759	-109.1859793	36.59498012	10/20/2012	114559	1824.34	NMEA 0183	12	2
662284.1815	4051498.947	29,300	-0.815901759	-109.1857531	36.59518925	10/20/2012	114717	1824.9	NMEA 0183	12	2
662303.9648	4051515.459	29,300	-0.815901759	-109.1855285	36.59533467	10/20/2012	114816	1826.06	NMEA 0183	12	2
662310.2546	4051525.637	29,300	-0.815901759	-109.1854561	36.5954253	10/20/2012	114836	1826.03	NMEA 0183	12	2
662315.202	4051512.921	29,300	-0.815901759	-109.1854035	36.59530988	10/20/2012	115008	1825.86	NMEA 0183	12	2
662309.5345	4051506.512	29,300	-0.815901759	-109.1854682	36.5952531	10/20/2012	115019	1825.76	NMEA 0183	12	2
662298.4913	4051504.226	29,300	-0.815901759	-109.1855921	36.59523438	10/20/2012	115031	1825.42	NMEA 0183	12	2
662292.6394	4051497.313	29,300	-0.815901759	-109.1856589	36.59517308	10/20/2012	115043	1824.99	NMEA 0183	12	2
662285.4826	4051489.758	29,300	-0.815901759	-109.1857405	36.59510623	10/20/2012	115054	1825.25	NMEA 0183	12	2
662264.2485	4051471.721	29,400	-0.763867208	-109.1859816	36.59494732	10/20/2012	102608	1825.06	NMEA 0183	12	2
662284.1082	4051486.477	29,400	-0.763867208	-109.1857565	36.5950769	10/20/2012	102637	1825.34	NMEA 0183	12	2
662333.8959	4051528.114	29,400	-0.763867208	-109.1851914	36.5954436	10/20/2012	102741	1826.43	NMEA 0183	12	2
662353.2111	4051548.944	29,400	-0.763867208	-109.1849712	36.595628	10/20/2012	102814	1827.43	NMEA 0183	12	2
662342.2735	4051546.362	29,400	-0.763867208	-109.1850939	36.5956066	10/20/2012	103005	1827.69	NMEA 0183	12	2
662342.3424	4051546.582	29,400	-0.763867208	-109.1850931	36.59560857	10/20/2012	103041	1827.46	NMEA 0183	12	2
662342.1857	4051546.512	29,400	-0.763867208	-109.1850949	36.59560797	10/20/2012	103045	1827.52	NMEA 0183	12	2
662331.3338	4051537.416	29,400	-0.763867208	-109.1852181	36.59552785	10/20/2012	103107	1827.7	NMEA 0183	12	2
662330.9483	4051541.637	29,400	-0.763867208	-109.1852215	36.59556595	10/20/2012	103144	1827.37	NMEA 0183	12	2
662327.5708	4051541.442	29,400	-0.763867208	-109.1852593	36.59556477	10/20/2012	103259	1827.11	NMEA 0183	12	2
662319.2104	4051533.967	29,400	-0.763867208	-109.1853543	36.59549883	10/20/2012	103311	1826.99	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662325.9311	4051552.838	29,400	-0.763867208	-109.1852752	36.59566773	10/20/2012	103454	1827.11	NMEA 0183	12	2
662322.3691	4051547.168	29,400	-0.763867208	-109.1853162	36.59561725	10/20/2012	103503	1826.84	NMEA 0183	12	2
662323.2385	4051551.363	29,400	-0.763867208	-109.1853056	36.5956549	10/20/2012	103542	1826.69	NMEA 0183	12	2
662327.1555	4051556.872	29,400	-0.763867208	-109.1852606	36.59570387	10/20/2012	103558	1826.81	NMEA 0183	12	2
662338.6662	4051563.855	29,400	-0.763867208	-109.1851305	36.59576483	10/20/2012	103616	1827.75	NMEA 0183	12	2
662340.6746	4051564.209	29,400	-0.763867208	-109.185108	36.59576768	10/20/2012	103618	1828.05	NMEA 0183	12	2
662343.2721	4051570.956	29,400	-0.763867208	-109.1850776	36.59582803	10/20/2012	103629	1827.75	NMEA 0183	12	2
662319.8401	4051555.984	29,400	-0.763867208	-109.1853426	36.59569712	10/20/2012	103823	1826.79	NMEA 0183	12	2
662333.1522	4051571.433	29,400	-0.763867208	-109.1851906	36.59583405	10/20/2012	103843	1827.7	NMEA 0183	12	2
662329.202	4051570.289	29,400	-0.763867208	-109.1852349	36.59582442	10/20/2012	103945	1827.83	NMEA 0183	12	2
662323.9588	4051565.817	29,400	-0.763867208	-109.1852945	36.59578502	10/20/2012	103954	1827.5	NMEA 0183	12	2
662317.5926	4051555.894	29,400	-0.763867208	-109.1853677	36.59569668	10/20/2012	104012	1826.79	NMEA 0183	12	2
662310.1208	4051549.782	29,400	-0.763867208	-109.1854525	36.59564288	10/20/2012	104046	1827.27	NMEA 0183	12	2
662333.853	4051589.288	29,400	-0.763867208	-109.185179	36.59599482	10/20/2012	104150	1831.16	NMEA 0183	12	2
662333.8784	4051589.287	29,400	-0.763867208	-109.1851787	36.5959948	10/20/2012	104151	1831.17	NMEA 0183	12	2
662332.6539	4051587.786	29,400	-0.763867208	-109.1851927	36.59598148	10/20/2012	104158	1831.17	NMEA 0183	12	2
662331.0065	4051584.435	29,400	-0.763867208	-109.1852118	36.59595157	10/20/2012	104202	1830.95	NMEA 0183	12	2
662327.2651	4051574.444	29,400	-0.763867208	-109.1852557	36.59586218	10/20/2012	104216	1828.3	NMEA 0183	12	2
662325.7878	4051572.901	29,400	-0.763867208	-109.1852725	36.59584853	10/20/2012	104218	1827.87	NMEA 0183	12	2
662325.2208	4051572.125	29,400	-0.763867208	-109.185279	36.59584163	10/20/2012	104219	1827.85	NMEA 0183	12	2
662325.4451	4051581.646	29,400	-0.763867208	-109.1852745	36.59592738	10/20/2012	104418	1829.86	NMEA 0183	12	2
662326.3862	4051583.704	29,400	-0.763867208	-109.1852636	36.59594577	10/20/2012	104421	1830.39	NMEA 0183	12	2
662331.1044	4051589.671	29,400	-0.763867208	-109.1852096	36.59599873	10/20/2012	104431	1830.91	NMEA 0183	12	2
662329.8048	4051591.121	29,400	-0.763867208	-109.1852238	36.59601202	10/20/2012	104439	1830.76	NMEA 0183	12	2
662325.0502	4051586.129	29,400	-0.763867208	-109.1852578	36.59596785	10/20/2012	104447	1830.42	NMEA 0183	12	2
662328.473	4051595.535	29,400	-0.763867208	-109.1852378	36.59605202	10/20/2012	104508	1830.52	NMEA 0183	12	2
662326.6493	4051597.57	29,400	-0.763867208	-109.1852577	36.59607067	10/20/2012	104744	1830.99	NMEA 0183	12	2
662329.1189	4051591.585	29,400	-0.763867208	-109.1852314	36.59601632	10/20/2012	104926	1830.67	NMEA 0183	12	2
662329.0355	4051591.58	29,400	-0.763867208	-109.1852323	36.59601628	10/20/2012	104951	1830.98	NMEA 0183	12	2
662328.6344	4051591.968	29,400	-0.763867208	-109.1852367	36.59601985	10/20/2012	105000	1830.57	NMEA 0183	12	2
662328.539	4051591.567	29,400	-0.763867208	-109.1852379	36.59601625	10/20/2012	105003	1831.03	NMEA 0183	12	2
662330.3631	4051590.937	29,400	-0.763867208	-109.1852176	36.59601027	10/20/2012	105225	1830.85	NMEA 0183	12	2
662330.4546	4051590.989	29,400	-0.763867208	-109.1852166	36.59601072	10/20/2012	105230	1830.86	NMEA 0183	12	2
662330.2286	4051590.953	29,400	-0.763867208	-109.1852191	36.59601043	10/20/2012	105250	1830.87	NMEA 0183	12	2
662328.8979	4051594.52	29,400	-0.763867208	-109.1852332	36.5960428	10/20/2012	105335	1830.89	NMEA 0183	12	2
662326.1173	4051601.415	29,400	-0.763867208	-109.1852628	36.5961054	10/20/2012	105411	1830.54	NMEA 0183	12	2
662320.262	4051599.976	29,400	-0.763867208	-109.1853286	36.59609343	10/20/2012	105459	1829.22	NMEA 0183	12	2
662312.5635	4051569.703	29,400	-0.763867208	-109.185421	36.59582197	10/20/2012	105633	1826.77	NMEA 0183	12	2
662314.958	4051552.848	29,400	-0.763867208	-109.1853978	36.59566968	10/20/2012	105713	1826.43	NMEA 0183	12	2
662314.9965	4051552.859	29,400	-0.763867208	-109.1853974	36.59566978	10/20/2012	105719	1826.47	NMEA 0183	12	2
662315.2137	4051552.893	29,400	-0.763867208	-109.1853949	36.59567005	10/20/2012	105809	1826.49	NMEA 0183	12	2
662315.2163	4051552.91	29,400	-0.763867208	-109.1853949	36.5956702	10/20/2012	105811	1826.51	NMEA 0183	12	2
662307.7745	4051555.396	29,400	-0.763867208	-109.1854775	36.59569387	10/20/2012	110053	1827.94	NMEA 0183	12	2
662307.1452	4051563.053	29,400	-0.763867208	-109.1854829	36.59576297	10/20/2012	110107	1827.09	NMEA 0183	12	2
662305.2381	4051574.396	29,400	-0.763867208	-109.1855019	36.5958655	10/20/2012	110129	1827.79	NMEA 0183	12	2
662302.7561	4051576.852	29,400	-0.763867208	-109.1855291	36.59588805	10/20/2012	110135	1827.69	NMEA 0183	12	2
662302.0687	4051575.892	29,400	-0.763867208	-109.185537	36.59587952	10/20/2012	110138	1827.76	NMEA 0183	12	2
662304.1014	4051553.948	29,400	-0.763867208	-109.1855189	36.59568145	10/20/2012	110234	1827.57	NMEA 0183	12	2
662303.8632	4051554.48	29,400	-0.763867208	-109.1855214	36.59568628	10/20/2012	110235	1827.37	NMEA 0183	12	2
662291.235	4051571.366	29,400	-0.763867208	-109.185659	36.59584058	10/20/2012	110459	1827.59	NMEA 0183	12	2
662290.56	4051574.409	29,400	-0.763867208	-109.1856659	36.59586812	10/20/2012	110504	1827.82	NMEA 0183	12	2
662291.9129	4051559.082	29,400	-0.763867208	-109.185654	36.59572978	10/20/2012	110533	1826.58	NMEA 0183	12	2
662305.2302	4051528.771	29,400	-0.763867208	-109.1855116	36.5954544	10/20/2012	110743	1826.24	NMEA 0183	12	2
662281.6652	4051556.928	29,400	-0.763867208	-109.185769	36.59571212	10/20/2012	111001	1826.95	NMEA 0183	12	2
662295.1725	4051535.116	29,400	-0.763867208	-109.1856226	36.59551328	10/20/2012	111034	1826.59	NMEA 0183	12	2
662288.4916	4051540.193	29,400	-0.763867208	-109.1856962	36.59556017	10/20/2012	111232	1827.48	NMEA 0183	12	2
662284.9205	4051545.275	29,400	-0.763867208	-109.185735	36.59560657	10/20/2012	111240	1827.18	NMEA 0183	12	2
662275.28	4051570.678	29,400	-0.763867208	-109.1858374	36.5958371	10/20/2012	111314	1827.29	NMEA 0183	12	2
662274.8348	4051571.43	29,400	-0.763867208	-109.1858422	36.59584395	10/20/2012	111315	1827.37	NMEA 0183	12	2
662275.2181	4051562.82	29,400	-0.763867208	-109.1858398	36.5957663	10/20/2012	111339	1827.01	NMEA 0183	12	2
662283.2532	4051542.58	29,400	-0.763867208	-109.1857542	36.59558257	10/20/2012	111415	1826.9	NMEA 0183	12	2
662299.745	4051504.104	29,400	-0.763867208	-109.1855781	36.59523307	10/20/2012	111514	1825.08	NMEA 0183	12	2
662277.8437	4051540.514	29,400	-0.763867208	-109.1858151	36.59556487	10/20/2012	111744	1826.29	NMEA 0183	12	2
662280.6354	4051526.161	29,400	-0.763867208	-109.185787	36.59543507	10/20/2012	111933	1826.37	NMEA 0183	12	2
662256.7678	4051563.241	29,400	-0.763867208	-109.1860458	36.59577323	10/20/2012	112227	1830.49	NMEA 0183	12	2
662276.5774	4051524.326	29,400	-0.763867208	-109.1858327	36.59541922	10/20/2012	112339	1827.01	NMEA 0183	12	2
662284.0718	4051501.124	29,400	-0.763867208	-109.1857538	36.59520888	10/20/2012	112441	1824.91	NMEA 0183	12	2
662268.6669	4051538.913	29,400	-0.763867208	-109.185918	36.595552	10/20/2012	112608	1826.47	NMEA 0183	12	2
662250.661	4051563.666	29,400	-0.763867208	-109.186114	36.5957781	10/20/2012	112757	1826.78	NMEA 0183	12	2
662250.5251	4051563.676	29,400	-0.763867208	-109.1861155	36.59577822	10/20/2012	112823	1826.87	NMEA 0183	12	2
662248.3115	4051552.074	29,400	-0.763867208	-109.1861427	36.59567405	10/20/2012	113052	1826.27	NMEA 0183	12	2
662252.3381	4051523.5	29,400	-0.763867208	-109.1861037	36.5954159	10/20/2012	113208	1826.11	NMEA 0183	12	2
662236.2773	4051491.278	29,400	-0.763867208	-109.18629	36.5951283	10/20/2012	113247	1825.44	NMEA 0183	12	2
662221.7686	4051490.614	29,400	-0.763867208	-109.1864523	36.59512478	10/20/2012	113318	1825.46	NMEA 0183	12	2
662250.8401	4051514.994	29,400	-0.763867208	-109.1861223	36.59533952	10/20/2012	113509	1825.85	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662233.5214	4051495.288	29,400	-0.763867208	-109.1863199	36.5951649	10/20/2012	113534	1825.62	NMEA 0183	12	2
662234.616	4051486.367	29,400	-0.763867208	-109.1863096	36.59508433	10/20/2012	113600	1824.9	NMEA 0183	12	2
662236.6467	4051489.095	29,400	-0.763867208	-109.1862863	36.59510857	10/20/2012	113603	1825.07	NMEA 0183	12	2
662255.8224	4051512.593	29,400	-0.763867208	-109.1860671	36.59531703	10/20/2012	113631	1825.23	NMEA 0183	12	2
662267.2754	4051528.641	29,400	-0.763867208	-109.1859357	36.59545968	10/20/2012	113652	1825.76	NMEA 0183	12	2
662242.7527	4051489.185	29,400	-0.763867208	-109.1862181	36.59510833	10/20/2012	113744	1824.92	NMEA 0183	12	2
662246.5928	4051489.529	29,400	-0.763867208	-109.1861751	36.59511078	10/20/2012	113828	1824.87	NMEA 0183	12	2
662254.6647	4051500.678	29,400	-0.763867208	-109.1860825	36.59520987	10/20/2012	113841	1825.43	NMEA 0183	12	2
662260.9603	4051506.525	29,400	-0.763867208	-109.186011	36.59526148	10/20/2012	113849	1825.22	NMEA 0183	12	2
662270.1575	4051515.736	29,400	-0.763867208	-109.1859062	36.59534292	10/20/2012	113916	1825.59	NMEA 0183	12	2
662246.524	4051477.771	29,400	-0.763867208	-109.1861783	36.59500485	10/20/2012	114020	1824.8	NMEA 0183	12	2
662275.0258	4051510.917	29,400	-0.763867208	-109.1858529	36.59529867	10/20/2012	114120	1825.21	NMEA 0183	12	2
662256.881	4051484.411	29,400	-0.763867208	-109.1860612	36.59506292	10/20/2012	114152	1824.69	NMEA 0183	12	2
662251.7236	4051478.472	29,400	-0.763867208	-109.1861201	36.59501028	10/20/2012	114159	1824.63	NMEA 0183	12	2
662249.356	4051471.785	29,400	-0.763867208	-109.186148	36.59495043	10/20/2012	114211	1824.5	NMEA 0183	12	2
662261.8438	4051487.459	29,400	-0.763867208	-109.1860051	36.59508953	10/20/2012	114230	1824.66	NMEA 0183	12	2
662275.3604	4051504.811	29,400	-0.763867208	-109.1858504	36.59524358	10/20/2012	114251	1824.96	NMEA 0183	12	2
662280.7858	4051511.167	29,400	-0.763867208	-109.1857884	36.59529993	10/20/2012	114309	1825.17	NMEA 0183	12	2
662272.5698	4051495.41	29,400	-0.763867208	-109.1858836	36.59515935	10/20/2012	114332	1824.96	NMEA 0183	12	2
662266.7218	4051489.001	29,400	-0.763867208	-109.1859503	36.5951026	10/20/2012	114341	1824.52	NMEA 0183	12	2
662260.2475	4051481.239	29,400	-0.763867208	-109.1860243	36.59503377	10/20/2012	114351	1824.61	NMEA 0183	12	2
662250.7531	4051469.363	29,400	-0.763867208	-109.1861329	36.59492837	10/20/2012	114406	1824.41	NMEA 0183	12	2
662262.276	4051477.049	29,400	-0.763867208	-109.1860025	36.59499567	10/20/2012	114430	1824.48	NMEA 0183	12	2
662276.8992	4051493.22	29,400	-0.763867208	-109.1858357	36.59513888	10/20/2012	114452	1824.64	NMEA 0183	12	2
662278.0305	4051494.843	29,400	-0.763867208	-109.1858227	36.59515332	10/20/2012	114454	1824.74	NMEA 0183	12	2
662287.3465	4051505.897	29,400	-0.763867208	-109.1857162	36.59525133	10/20/2012	114517	1825.22	NMEA 0183	12	2
662277.7157	4051490.028	29,400	-0.763867208	-109.1858272	36.59510998	10/20/2012	114539	1824.7	NMEA 0183	12	2
662270.634	4051480.709	29,400	-0.763867208	-109.1859083	36.59502722	10/20/2012	114629	1824.28	NMEA 0183	12	2
662284.1741	4051489.151	29,400	-0.763867208	-109.1857552	36.59510098	10/20/2012	114650	1825.11	NMEA 0183	12	2
662283.3394	4051497.18	29,400	-0.763867208	-109.1857629	36.59517347	10/20/2012	114720	1824.88	NMEA 0183	12	2
662281.0447	4051486.158	29,400	-0.763867208	-109.1857908	36.59507455	10/20/2012	115105	1824.98	NMEA 0183	12	2
662292.2665	4051493.442	29,500	-0.711832657	-109.1856639	36.59513827	10/20/2012	102647	1825.59	NMEA 0183	12	2
662348.852	4051544.021	29,500	-0.711832657	-109.1850209	36.59558438	10/20/2012	102825	1827.02	NMEA 0183	12	2
662339.6158	4051536.25	29,500	-0.711832657	-109.1851258	36.59551593	10/20/2012	102838	1827.65	NMEA 0183	12	2
662339.0951	4051535.783	29,500	-0.711832657	-109.1851317	36.59551182	10/20/2012	102839	1827.75	NMEA 0183	12	2
662333.8276	4051530.702	29,500	-0.711832657	-109.1851916	36.59546693	10/20/2012	102848	1826.78	NMEA 0183	12	2
662343.0936	4051548.189	29,500	-0.711832657	-109.1850844	36.59562292	10/20/2012	102955	1827.61	NMEA 0183	12	2
662342.356	4051546.654	29,500	-0.711832657	-109.1850929	36.59560922	10/20/2012	103030	1827.39	NMEA 0183	12	2
662318.5157	4051526.921	29,500	-0.711832657	-109.1853635	36.59543547	10/20/2012	103124	1826.25	NMEA 0183	12	2
662346.1433	4051558.083	29,500	-0.711832657	-109.1850482	36.59571155	10/20/2012	103224	1827.23	NMEA 0183	12	2
662329.9451	4051545.556	29,500	-0.711832657	-109.1852319	36.59560143	10/20/2012	103254	1827.17	NMEA 0183	12	2
662328.1432	4051542.091	29,500	-0.711832657	-109.1852527	36.59557052	10/20/2012	103258	1827.14	NMEA 0183	12	2
662328.3572	4051547.894	29,500	-0.711832657	-109.1852491	36.59562277	10/20/2012	103351	1828.19	NMEA 0183	12	2
662340.5276	4051560.542	29,500	-0.711832657	-109.1851104	36.59573467	10/20/2012	103428	1828.12	NMEA 0183	12	2
662314.5819	4051540.226	29,500	-0.711832657	-109.1854047	36.59555602	10/20/2012	103514	1826.28	NMEA 0183	12	2
662320.7129	4051548.859	29,500	-0.711832657	-109.1853343	36.59563277	10/20/2012	103536	1826.52	NMEA 0183	12	2
662324.3399	4051553.619	29,500	-0.711832657	-109.1852928	36.59567503	10/20/2012	103553	1826.71	NMEA 0183	12	2
662346.2241	4051572.438	29,500	-0.711832657	-109.1850443	36.59584088	10/20/2012	103656	1827.33	NMEA 0183	12	2
662332.7539	4051564.724	29,500	-0.711832657	-109.1851964	36.59577367	10/20/2012	103715	1826.82	NMEA 0183	12	2
662321.9144	4051553.395	29,500	-0.711832657	-109.1853199	36.59567343	10/20/2012	103731	1826.41	NMEA 0183	12	2
662320.7093	4051550.156	29,500	-0.711832657	-109.1853341	36.59564445	10/20/2012	103735	1826.15	NMEA 0183	12	2
662320.9466	4051557.807	29,500	-0.711832657	-109.1853298	36.59571335	10/20/2012	103825	1826.9	NMEA 0183	12	2
662336.2444	4051578.524	29,500	-0.711832657	-109.1851545	36.59589742	10/20/2012	103911	1829.9	NMEA 0183	12	2
662333.6013	4051575.292	29,500	-0.711832657	-109.1851847	36.59586875	10/20/2012	103920	1828.44	NMEA 0183	12	2
662315.8942	4051554.053	29,500	-0.711832657	-109.1853871	36.59568038	10/20/2012	104015	1826.77	NMEA 0183	12	2
662330.8603	4051578.668	29,500	-0.711832657	-109.1852146	36.59589963	10/20/2012	104126	1830.36	NMEA 0183	12	2
662330.5258	4051583.588	29,500	-0.711832657	-109.1852173	36.59594402	10/20/2012	104203	1830.96	NMEA 0183	12	2
662318.7199	4051571.543	29,500	-0.711832657	-109.1853518	36.5958375	10/20/2012	104339	1828.34	NMEA 0183	12	2
662324.0784	4051591.388	29,500	-0.711832657	-109.1852877	36.5960154	10/20/2012	104517	1830.72	NMEA 0183	12	2
662318.8188	4051576.654	29,500	-0.711832657	-109.1853496	36.59588353	10/20/2012	104538	1829.3	NMEA 0183	12	2
662316.9083	4051577.75	29,500	-0.711832657	-109.1853707	36.59589373	10/20/2012	104611	1828.14	NMEA 0183	12	2
662319.8505	4051580.702	29,500	-0.711832657	-109.1853372	36.59591983	10/20/2012	104618	1828.78	NMEA 0183	12	2
662321.3875	4051588.873	29,500	-0.711832657	-109.1853183	36.5959932	10/20/2012	104639	1830.65	NMEA 0183	12	2
662319.2277	4051592.195	29,500	-0.711832657	-109.1853418	36.5960235	10/20/2012	104732	1830.52	NMEA 0183	12	2
662326.8456	4051599.492	29,500	-0.711832657	-109.1852551	36.59608795	10/20/2012	104810	1830.87	NMEA 0183	12	2
662329.3942	4051591.3	29,500	-0.711832657	-109.1852284	36.5960137	10/20/2012	105045	1831.08	NMEA 0183	12	2
662329.4522	4051590.996	29,500	-0.711832657	-109.1852278	36.59601095	10/20/2012	105103	1830.95	NMEA 0183	12	2
662330.956	4051591.845	29,500	-0.711832657	-109.1852108	36.59601835	10/20/2012	105136	1829.54	NMEA 0183	12	2
662329.953	4051591.172	29,500	-0.711832657	-109.1852221	36.59601245	10/20/2012	105159	1830.89	NMEA 0183	12	2
662329.6546	4051591.018	29,500	-0.711832657	-109.1852255	36.59601112	10/20/2012	105326	1830.7	NMEA 0183	12	2
662326.1103	4051601.074	29,500	-0.711832657	-109.185263	36.59610233	10/20/2012	105412	1830.56	NMEA 0183	12	2
662321.6573	4051599.781	29,500	-0.711832657	-109.185313	36.59609143	10/20/2012	105453	1829.5	NMEA 0183	12	2
662312.7128	4051571.191	29,500	-0.711832657	-109.185419	36.59583535	10/20/2012	105626	1826.78	NMEA 0183	12	2
662314.3765	4051554.019	29,500	-0.711832657	-109.185404	36.59568033	10/20/2012	105704	1826.24	NMEA 0183	12	2
662315.2288	4051552.88	29,500	-0.711832657	-109.1853948	36.59566993	10/20/2012	105804	1826.53	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662315.2315	4051552.895	29,500	-0.711832657	-109.1853947	36.59567007	10/20/2012	105807	1826.53	NMEA 0183	12	2
662315.1061	4051552.902	29,500	-0.711832657	-109.1853961	36.59567015	10/20/2012	105858	1826.5	NMEA 0183	12	2
662309.741	4051566.257	29,500	-0.711832657	-109.1854533	36.5957914	10/20/2012	105938	1827.01	NMEA 0183	12	2
662310.2748	4051570.61	29,500	-0.711832657	-109.1854464	36.59583053	10/20/2012	105947	1827.37	NMEA 0183	12	2
662308.1734	4051554.571	29,500	-0.711832657	-109.1854732	36.59568637	10/20/2012	110051	1827.75	NMEA 0183	12	2
662307.0246	4051563.435	29,500	-0.711832657	-109.1854842	36.59576643	10/20/2012	110111	1827.21	NMEA 0183	12	2
662302.8041	4051572.811	29,500	-0.711832657	-109.1855294	36.59585163	10/20/2012	110145	1827.36	NMEA 0183	12	2
662302.5459	4051568.317	29,500	-0.711832657	-109.1855332	36.59581118	10/20/2012	110153	1827.13	NMEA 0183	12	2
662295.7334	4051568.597	29,500	-0.711832657	-109.1856093	36.59581487	10/20/2012	110339	1827.2	NMEA 0183	12	2
662314.372	4051513.747	29,500	-0.711832657	-109.1854126	36.59531747	10/20/2012	110645	1825.68	NMEA 0183	12	2
662314.4303	4051511.295	29,500	-0.711832657	-109.1854125	36.59529537	10/20/2012	110654	1825.93	NMEA 0183	12	2
662279.8654	4051558.801	29,500	-0.711832657	-109.1857887	36.5957293	10/20/2012	110957	1827.11	NMEA 0183	12	2
662292.0646	4051538.887	29,500	-0.711832657	-109.1856566	36.59554778	10/20/2012	111028	1827	NMEA 0183	12	2
662307.4323	4051507.808	29,500	-0.711832657	-109.1854914	36.59526513	10/20/2012	111135	1826.11	NMEA 0183	12	2
662296.5048	4051527.83	29,500	-0.711832657	-109.1856093	36.5954474	10/20/2012	111212	1826.74	NMEA 0183	12	2
662294.4228	4051531.691	29,500	-0.711832657	-109.1856317	36.59548255	10/20/2012	111218	1826.66	NMEA 0183	12	2
662283.7994	4051547.065	29,500	-0.711832657	-109.1857472	36.59562288	10/20/2012	111243	1827.25	NMEA 0183	12	2
662282.6439	4051551.625	29,500	-0.711832657	-109.1857591	36.59566417	10/20/2012	111249	1826.99	NMEA 0183	12	2
662278.4135	4051560.02	29,500	-0.711832657	-109.1858046	36.59574053	10/20/2012	111301	1826.96	NMEA 0183	12	2
662300.1875	4051503.099	29,500	-0.711832657	-109.1855733	36.59522393	10/20/2012	111512	1825.09	NMEA 0183	12	2
662299.4976	4051504.486	29,500	-0.711832657	-109.1855808	36.59523655	10/20/2012	111519	1825.09	NMEA 0183	12	2
662270.3972	4051571.609	29,500	-0.711832657	-109.1858918	36.59584632	10/20/2012	111653	1828.04	NMEA 0183	12	2
662276.9935	4051544.782	29,500	-0.711832657	-109.1858237	36.59560347	10/20/2012	111738	1826.7	NMEA 0183	12	2
662291.8137	4051503.125	29,500	-0.711832657	-109.1856669	36.5952256	10/20/2012	111858	1824.76	NMEA 0183	12	2
662290.1832	4051506.696	29,500	-0.711832657	-109.1856844	36.59525805	10/20/2012	111903	1824.8	NMEA 0183	12	2
662272.4516	4051537.371	29,500	-0.711832657	-109.185876	36.59553747	10/20/2012	112003	1827.12	NMEA 0183	12	2
662258.9907	4051571.109	29,500	-0.711832657	-109.1860193	36.59584375	10/20/2012	112157	1828.69	NMEA 0183	12	2
662257.0185	4051562.757	29,500	-0.711832657	-109.1860431	36.59576883	10/20/2012	112228	1830.6	NMEA 0183	12	2
662257.6198	4051561.564	29,500	-0.711832657	-109.1860367	36.59575798	10/20/2012	112230	1830.46	NMEA 0183	12	2
662278.5716	4051521.953	29,500	-0.711832657	-109.1858109	36.5953975	10/20/2012	112346	1825.6	NMEA 0183	12	2
662278.9856	4051521.432	29,500	-0.711832657	-109.1858064	36.59539273	10/20/2012	112347	1825.5	NMEA 0183	12	2
662277.3453	4051514.618	29,500	-0.711832657	-109.1858262	36.59533162	10/20/2012	112458	1825.23	NMEA 0183	12	2
662276.6663	4051515.19	29,500	-0.711832657	-109.1858336	36.59533688	10/20/2012	112459	1825.27	NMEA 0183	12	2
662272.1223	4051519.98	29,500	-0.711832657	-109.1858834	36.59538082	10/20/2012	112507	1825.29	NMEA 0183	12	2
662268.483	4051525.667	29,500	-0.711832657	-109.1859229	36.59543268	10/20/2012	112517	1825.34	NMEA 0183	12	2
662257.6114	4051553.398	29,500	-0.711832657	-109.1860385	36.5956844	10/20/2012	112658	1826.78	NMEA 0183	12	2
662250.5016	4051562.549	29,500	-0.711832657	-109.186116	36.59576807	10/20/2012	112917	1826.96	NMEA 0183	12	2
662250.6384	4051562.572	29,500	-0.711832657	-109.1861145	36.59576825	10/20/2012	113010	1826.69	NMEA 0183	12	2
662250.9616	4051552.484	29,500	-0.711832657	-109.186113	36.5956773	10/20/2012	113045	1826.13	NMEA 0183	12	2
662245.7679	4051552.581	29,500	-0.711832657	-109.186171	36.59567905	10/20/2012	113057	1826.66	NMEA 0183	12	2
662245.7966	4051552.481	29,500	-0.711832657	-109.1861707	36.59567815	10/20/2012	113059	1826.5	NMEA 0183	12	2
662246.0059	4051552.062	29,500	-0.711832657	-109.1861685	36.59567433	10/20/2012	113110	1826.9	NMEA 0183	12	2
662245.5508	4051552.545	29,500	-0.711832657	-109.1861734	36.59567877	10/20/2012	113123	1826.51	NMEA 0183	12	2
662245.3952	4051552.574	29,500	-0.711832657	-109.1861752	36.59567905	10/20/2012	113130	1826.38	NMEA 0183	12	2
662254.2868	4051532.465	29,500	-0.711832657	-109.1860801	36.59549635	10/20/2012	113158	1826.35	NMEA 0183	12	2
662254.7058	4051531.363	29,500	-0.711832657	-109.1860756	36.59548635	10/20/2012	113159	1826.43	NMEA 0183	12	2
662253.9011	4051526.509	29,500	-0.711832657	-109.1860856	36.59544275	10/20/2012	113204	1826.24	NMEA 0183	12	2
662247.7314	4051518.258	29,500	-0.711832657	-109.1861563	36.59536945	10/20/2012	113215	1825.99	NMEA 0183	12	2
662245.6597	4051512.253	29,500	-0.711832657	-109.1861807	36.5953157	10/20/2012	113221	1825.9	NMEA 0183	12	2
662222.3939	4051491.54	29,500	-0.711832657	-109.1864451	36.59513302	10/20/2012	113317	1825.52	NMEA 0183	12	2
662229.7745	4051496.644	29,500	-0.711832657	-109.1863615	36.59517775	10/20/2012	113341	1825.68	NMEA 0183	12	2
662247.295	4051512.301	29,500	-0.711832657	-109.1861624	36.59531585	10/20/2012	113405	1825.58	NMEA 0183	12	2
662232.9955	4051484.432	29,500	-0.711832657	-109.1863281	36.59506717	10/20/2012	113558	1824.89	NMEA 0183	12	2
662261.6775	4051520.676	29,500	-0.711832657	-109.186	36.59538887	10/20/2012	113640	1825.22	NMEA 0183	12	2
662261.7751	4051521.592	29,500	-0.711832657	-109.1859987	36.5953971	10/20/2012	113641	1825.24	NMEA 0183	12	2
662272.7871	4051522.367	29,500	-0.711832657	-109.1858755	36.59540222	10/20/2012	113909	1825.74	NMEA 0183	12	2
662276.3767	4051517.889	29,500	-0.711832657	-109.1858363	36.59536125	10/20/2012	114112	1825.37	NMEA 0183	12	2
662249.6463	4051472.525	29,500	-0.711832657	-109.1861446	36.59495705	10/20/2012	114212	1824.53	NMEA 0183	12	2
662272.379	4051499.274	29,500	-0.711832657	-109.1858849	36.5951942	10/20/2012	114245	1824.99	NMEA 0183	12	2
662274.5182	4051502.969	29,500	-0.711832657	-109.1858602	36.59522713	10/20/2012	114249	1824.95	NMEA 0183	12	2
662252.5837	4051471.782	29,500	-0.711832657	-109.1861119	36.59494985	10/20/2012	114403	1824.47	NMEA 0183	12	2
662255.6786	4051469.411	29,500	-0.711832657	-109.1860778	36.59492797	10/20/2012	114420	1824.41	NMEA 0183	12	2
662261.3899	4051470.973	29,500	-0.711832657	-109.1860137	36.59494107	10/20/2012	114604	1824.35	NMEA 0183	12	2
662263.3038	4051470.961	29,500	-0.711832657	-109.1859923	36.59494063	10/20/2012	114617	1824.25	NMEA 0183	12	2
662277.4274	4051487.05	29,500	-0.711832657	-109.1858311	36.5950832	10/20/2012	114639	1824.56	NMEA 0183	12	2
662286.5811	4051497.143	29,500	-0.711832657	-109.1857266	36.59517258	10/20/2012	114712	1824.84	NMEA 0183	12	2
662295.1574	4051497.294	29,500	-0.711832657	-109.1856308	36.59517248	10/20/2012	114749	1824.97	NMEA 0183	12	2
662325.9472	4051527.35	29,500	-0.711832657	-109.1852804	36.59543807	10/20/2012	114943	1826.06	NMEA 0183	12	2
662313.5409	4051508.079	29,600	-0.659798106	-109.1854231	36.59526653	10/20/2012	102711	1826.09	NMEA 0183	12	2
662335.0877	4051529.374	29,600	-0.659798106	-109.1851778	36.59545475	10/20/2012	102743	1826.42	NMEA 0183	12	2
662341.574	4051535.151	29,600	-0.659798106	-109.1851041	36.5955057	10/20/2012	102752	1826.6	NMEA 0183	12	2
662331.343	4051530.06	29,600	-0.659798106	-109.1852195	36.59546157	10/20/2012	102851	1826.45	NMEA 0183	12	2
662347.3408	4051547.908	29,600	-0.659798106	-109.185037	36.59561967	10/20/2012	102937	1827.06	NMEA 0183	12	2
662351.409	4051552.519	29,600	-0.659798106	-109.1849905	36.59566052	10/20/2012	102945	1827.08	NMEA 0183	12	2
662342.366	4051546.677	29,600	-0.659798106	-109.1850928	36.59560942	10/20/2012	103027	1827.4	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662342.3541	4051546.677	29,600	-0.659798106	-109.185093	36.59560942	10/20/2012	103029	1827.39	NMEA 0183	12	2
662342.133	4051546.535	29,600	-0.659798106	-109.1850955	36.59560818	10/20/2012	103037	1827.5	NMEA 0183	12	2
662336.0485	4051547.205	29,600	-0.659798106	-109.1851633	36.59561525	10/20/2012	103153	1827.86	NMEA 0183	12	2
662320.1223	4051534.565	29,600	-0.659798106	-109.1853439	36.59550407	10/20/2012	103310	1827.03	NMEA 0183	12	2
662321.5609	4051540.367	29,600	-0.659798106	-109.1853266	36.59555561	10/20/2012	103338	1828.37	NMEA 0183	12	2
662331.4677	4051550.699	29,600	-0.659798106	-109.1852138	36.59564752	10/20/2012	103355	1827.65	NMEA 0183	12	2
662338.5513	4051558.883	29,600	-0.659798106	-109.1851329	36.59572005	10/20/2012	103431	1828.13	NMEA 0183	12	2
662334.9514	4051557.905	29,600	-0.659798106	-109.1851733	36.59571185	10/20/2012	103438	1828.15	NMEA 0183	12	2
662331.9336	4051556.827	29,600	-0.659798106	-109.1852073	36.59570265	10/20/2012	103442	1827.89	NMEA 0183	12	2
662312.586	4051540.238	29,600	-0.659798106	-109.185427	36.59555647	10/20/2012	103524	1826.15	NMEA 0183	12	2
662344.4826	4051571.617	29,600	-0.659798106	-109.1850639	36.59583378	10/20/2012	103659	1827.61	NMEA 0183	12	2
662341.3006	4051569.519	29,600	-0.659798106	-109.1850999	36.59581542	10/20/2012	103704	1827.63	NMEA 0183	12	2
662323.648	4051559.689	29,600	-0.659798106	-109.1852992	36.59572985	10/20/2012	103828	1826.97	NMEA 0183	12	2
662335.5703	4051574.412	29,600	-0.659798106	-109.1851629	36.59586048	10/20/2012	103847	1828.11	NMEA 0183	12	2
662339.721	4051579.474	29,600	-0.659798106	-109.1851155	36.59590538	10/20/2012	103857	1829.35	NMEA 0183	12	2
662334.2103	4051574.795	29,600	-0.659798106	-109.185178	36.59586417	10/20/2012	103923	1828.22	NMEA 0183	12	2
662332.9145	4051571.464	29,600	-0.659798106	-109.1851932	36.59583437	10/20/2012	103935	1827.62	NMEA 0183	12	2
662330.1701	4051571.704	29,600	-0.659798106	-109.1852238	36.595837	10/20/2012	103942	1827.9	NMEA 0183	12	2
662323.7499	4051565.823	29,600	-0.659798106	-109.1852968	36.5957851	10/20/2012	103958	1827.54	NMEA 0183	12	2
662316.6774	4051557.599	29,600	-0.659798106	-109.1853776	36.59571122	10/20/2012	104056	1826.94	NMEA 0183	12	2
662321.3691	4051563.392	29,600	-0.659798106	-109.1853239	36.5957636	10/20/2012	104103	1827.33	NMEA 0183	12	2
662328.0069	4051577.889	29,600	-0.659798106	-109.1852467	36.5958931	10/20/2012	104211	1829.45	NMEA 0183	12	2
662318.5632	4051566.733	29,600	-0.659798106	-109.1853546	36.59579418	10/20/2012	104330	1827.44	NMEA 0183	12	2
662331.9942	4051590.809	29,600	-0.659798106	-109.1851994	36.59600883	10/20/2012	104433	1830.64	NMEA 0183	12	2
662327.9608	4051589.255	29,600	-0.659798106	-109.1852448	36.59599552	10/20/2012	104442	1830.54	NMEA 0183	12	2
662329.4212	4051594.213	29,600	-0.659798106	-109.1852274	36.59603995	10/20/2012	104500	1830.86	NMEA 0183	12	2
662326.542	4051594.723	29,600	-0.659798106	-109.1852595	36.59604503	10/20/2012	104511	1830.77	NMEA 0183	12	2
662318.25	4051575.178	29,600	-0.659798106	-109.1853563	36.59587033	10/20/2012	104542	1828.91	NMEA 0183	12	2
662320.3207	4051582.104	29,600	-0.659798106	-109.1853317	36.59593238	10/20/2012	104622	1829.51	NMEA 0183	12	2
662317.9453	4051594.548	29,600	-0.659798106	-109.1853556	36.59604492	10/20/2012	104706	1831.1	NMEA 0183	12	2
662327.3845	4051598.838	29,600	-0.659798106	-109.1852492	36.59608197	10/20/2012	104811	1830.9	NMEA 0183	12	2
662329.1385	4051591.57	29,600	-0.659798106	-109.1852312	36.59601618	10/20/2012	104927	1830.67	NMEA 0183	12	2
662328.9467	4051591.543	29,600	-0.659798106	-109.1852333	36.59601597	10/20/2012	105022	1830.98	NMEA 0183	12	2
662329.4029	4051591.233	29,600	-0.659798106	-109.1852283	36.5960131	10/20/2012	105032	1830.99	NMEA 0183	12	2
662330.0942	4051590.96	29,600	-0.659798106	-109.1852206	36.59601052	10/20/2012	105204	1830.81	NMEA 0183	12	2
662329.6192	4051591.075	29,600	-0.659798106	-109.1852259	36.59601163	10/20/2012	105324	1830.71	NMEA 0183	12	2
662314.6128	4051581.628	29,600	-0.659798106	-109.1853956	36.59592907	10/20/2012	105602	1827.02	NMEA 0183	12	2
662314.4085	4051578.544	29,600	-0.659798106	-109.1853985	36.59590132	10/20/2012	105608	1827.04	NMEA 0183	12	2
662312.9508	4051562.541	29,600	-0.659798106	-109.1854182	36.59575737	10/20/2012	105648	1826.53	NMEA 0183	12	2
662314.9953	4051552.845	29,600	-0.659798106	-109.1853974	36.59566965	10/20/2012	105728	1826.43	NMEA 0183	12	2
662315.2389	4051552.901	29,600	-0.659798106	-109.1853946	36.59567012	10/20/2012	105736	1826.44	NMEA 0183	12	2
662315.2451	4051552.888	29,600	-0.659798106	-109.1853946	36.59567	10/20/2012	105758	1826.61	NMEA 0183	12	2
662315.1747	4051552.902	29,600	-0.659798106	-109.1853954	36.59567013	10/20/2012	105829	1826.52	NMEA 0183	12	2
662306.0166	4051576.373	29,600	-0.659798106	-109.1854927	36.59588318	10/20/2012	110006	1828.06	NMEA 0183	12	2
662307.0869	4051569.378	29,600	-0.659798106	-109.1854823	36.59581997	10/20/2012	110121	1828.11	NMEA 0183	12	2
662306.5651	4051571.497	29,600	-0.659798106	-109.1854876	36.59583915	10/20/2012	110125	1827.82	NMEA 0183	12	2
662302.1131	4051574.805	29,600	-0.659798106	-109.1855367	36.59586972	10/20/2012	110141	1827.61	NMEA 0183	12	2
662306.9491	4051554.4	29,600	-0.659798106	-109.185487	36.59568503	10/20/2012	110220	1827.21	NMEA 0183	12	2
662302.5629	4051557.78	29,600	-0.659798106	-109.1855353	36.59571623	10/20/2012	110241	1826.76	NMEA 0183	12	2
662314.7723	4051511.269	29,600	-0.659798106	-109.1854086	36.59529507	10/20/2012	110650	1825.64	NMEA 0183	12	2
662309.894	4051520.012	29,600	-0.659798106	-109.1854613	36.59537468	10/20/2012	110727	1826.23	NMEA 0183	12	2
662286.2114	4051559.689	29,600	-0.659798106	-109.1857176	36.59573622	10/20/2012	110838	1826.92	NMEA 0183	12	2
662285.4558	4051570.952	29,600	-0.659798106	-109.1857236	36.59583783	10/20/2012	110900	1827.88	NMEA 0183	12	2
662285.2095	4051573.095	29,600	-0.659798106	-109.1857259	36.59585718	10/20/2012	110913	1827.99	NMEA 0183	12	2
662281.0109	4051575.309	29,600	-0.659798106	-109.1857724	36.59587785	10/20/2012	110925	1827.57	NMEA 0183	12	2
662277.6333	4051570.375	29,600	-0.659798106	-109.1858112	36.59583397	10/20/2012	110935	1827.27	NMEA 0183	12	2
662291.45	4051539.365	29,600	-0.659798106	-109.1856633	36.5955522	10/20/2012	111027	1827.11	NMEA 0183	12	2
662301.2602	4051524.331	29,600	-0.659798106	-109.1855569	36.59541507	10/20/2012	111050	1826.21	NMEA 0183	12	2
662275.6808	4051569.911	29,600	-0.659798106	-109.1858331	36.59583012	10/20/2012	111313	1827.28	NMEA 0183	12	2
662276.2618	4051560.862	29,600	-0.659798106	-109.1858285	36.59574848	10/20/2012	111348	1826.95	NMEA 0183	12	2
662277.3464	4051558.004	29,600	-0.659798106	-109.185817	36.59572255	10/20/2012	111352	1826.92	NMEA 0183	12	2
662271.302	4051569.031	29,600	-0.659798106	-109.1858822	36.59582293	10/20/2012	111649	1827.76	NMEA 0183	12	2
662267.6981	4051569.999	29,600	-0.659798106	-109.1859223	36.59583227	10/20/2012	111702	1827.35	NMEA 0183	12	2
662269.0978	4051560.645	29,600	-0.659798106	-109.1859086	36.59574775	10/20/2012	111715	1827.12	NMEA 0183	12	2
662290.8738	4051504.484	29,600	-0.659798106	-109.1856771	36.595238	10/20/2012	111900	1824.76	NMEA 0183	12	2
662262.1572	4051560.76	29,600	-0.659798106	-109.1859861	36.59574997	10/20/2012	112135	1828.49	NMEA 0183	12	2
662281.4264	4051506.627	29,600	-0.659798106	-109.1857822	36.59525892	10/20/2012	112448	1825.03	NMEA 0183	12	2
662274.6242	4051517.103	29,600	-0.659798106	-109.185856	36.59535447	10/20/2012	112502	1825.34	NMEA 0183	12	2
662268.9079	4051525.046	29,600	-0.659798106	-109.1859182	36.59542702	10/20/2012	112516	1825.34	NMEA 0183	12	2
662266.6991	4051529.148	29,600	-0.659798106	-109.1859421	36.59546435	10/20/2012	112524	1825.42	NMEA 0183	12	2
662268.5821	4051538.826	29,600	-0.659798106	-109.185919	36.59555123	10/20/2012	112551	1826.41	NMEA 0183	12	2
662268.3785	4051538.783	29,600	-0.659798106	-109.1859213	36.59555088	10/20/2012	112556	1826.5	NMEA 0183	12	2
662268.6399	4051538.846	29,600	-0.659798106	-109.1859183	36.5955514	10/20/2012	112603	1826.45	NMEA 0183	12	2
662250.669	4051563.64	29,600	-0.659798106	-109.1861139	36.59577787	10/20/2012	112804	1826.81	NMEA 0183	12	2
662250.4857	4051562.523	29,600	-0.659798106	-109.1861162	36.59576783	10/20/2012	112915	1826.93	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662250.4761	4051562.719	29,600	-0.659798106	-109.1861163	36.5957696	10/20/2012	112926	1827.02	NMEA 0183	12	2
662250.5177	4051562.647	29,600	-0.659798106	-109.1861158	36.59576895	10/20/2012	112932	1826.93	NMEA 0183	12	2
662250.744	4051562.507	29,600	-0.659798106	-109.1861133	36.59576765	10/20/2012	113023	1826.74	NMEA 0183	12	2
662245.809	4051552.456	29,600	-0.659798106	-109.1861706	36.59567792	10/20/2012	113100	1826.48	NMEA 0183	12	2
662247.7423	4051537.038	29,600	-0.659798106	-109.1861522	36.59553867	10/20/2012	113151	1826.26	NMEA 0183	12	2
662239.4971	4051506.233	29,600	-0.659798106	-109.1862509	36.5952625	10/20/2012	113231	1825.71	NMEA 0183	12	2
662235.8524	4051488.745	29,600	-0.659798106	-109.1862953	36.59510555	10/20/2012	113250	1825.31	NMEA 0183	12	2
662254.7281	4051522.52	29,600	-0.659798106	-109.1860772	36.59540667	10/20/2012	113416	1825.34	NMEA 0183	12	2
662261.4052	4051530.28	29,600	-0.659798106	-109.1860001	36.59547545	10/20/2012	113425	1825.51	NMEA 0183	12	2
662260.1412	4051526.921	29,600	-0.659798106	-109.1860158	36.5954454	10/20/2012	113454	1825.59	NMEA 0183	12	2
662249.6707	4051513.106	29,600	-0.659798106	-109.1861357	36.5953227	10/20/2012	113511	1825.74	NMEA 0183	12	2
662267.2258	4051529.293	29,600	-0.659798106	-109.1859361	36.59546557	10/20/2012	113651	1825.84	NMEA 0183	12	2
662261.807	4051512.95	29,600	-0.659798106	-109.1860001	36.59531923	10/20/2012	113716	1825.23	NMEA 0183	12	2
662240.8849	4051486.525	29,600	-0.659798106	-109.1862395	36.59508468	10/20/2012	113747	1824.89	NMEA 0183	12	2
662262.4285	4051505.31	29,600	-0.659798106	-109.1859948	36.59525028	10/20/2012	113928	1825.47	NMEA 0183	12	2
662249.2134	4051475.312	29,600	-0.659798106	-109.1861488	36.59498223	10/20/2012	114203	1824.56	NMEA 0183	12	2
662273.7978	4051500.915	29,600	-0.659798106	-109.1858687	36.59520875	10/20/2012	114247	1824.98	NMEA 0183	12	2
662276.0778	4051489.17	29,600	-0.659798106	-109.1858457	36.59510253	10/20/2012	114541	1824.63	NMEA 0183	12	2
662273.1264	4051486.786	29,600	-0.659798106	-109.1858792	36.59508155	10/20/2012	114545	1824.68	NMEA 0183	12	2
662268.5068	4051481.595	29,600	-0.659798106	-109.1859319	36.59503557	10/20/2012	114552	1824.41	NMEA 0183	12	2
662283.7027	4051490.5	29,600	-0.659798106	-109.1857602	36.59511322	10/20/2012	114655	1824.88	NMEA 0183	12	2
662283.7116	4051492.398	29,600	-0.659798106	-109.1857597	36.59513032	10/20/2012	114657	1824.65	NMEA 0183	12	2
662283.9944	4051498.354	29,600	-0.659798106	-109.1857553	36.59518393	10/20/2012	114718	1824.91	NMEA 0183	12	2
662281.4981	4051492.086	29,600	-0.659798106	-109.1857845	36.59512788	10/20/2012	114734	1824.83	NMEA 0183	12	2
662299.1083	4051508.753	29,600	-0.659798106	-109.1855842	36.59527507	10/20/2012	114808	1825.39	NMEA 0183	12	2
662304.8484	4051516.212	29,600	-0.659798106	-109.1855185	36.5953413	10/20/2012	114817	1826.13	NMEA 0183	12	2
662296.3532	4051500.078	29,600	-0.659798106	-109.1856168	36.59519737	10/20/2012	115037	1825.24	NMEA 0183	12	2
662290.392	4051493.822	29,600	-0.659798106	-109.1856848	36.59514202	10/20/2012	115047	1824.91	NMEA 0183	12	2
662277.8959	4051484.671	29,600	-0.659798106	-109.1858263	36.59506168	10/20/2012	115108	1825.05	NMEA 0183	12	2
662261.392	4051476.55	29,700	-0.607763555	-109.1860125	36.59499132	10/20/2012	102515	1825.07	NMEA 0183	12	2
662264.3608	4051471.695	29,700	-0.607763555	-109.1859803	36.59494707	10/20/2012	102551	1825.11	NMEA 0183	12	2
662347.7397	4051556.711	29,700	-0.607763555	-109.1850307	36.59569892	10/20/2012	103218	1827.31	NMEA 0183	12	2
662340.1889	4051552.335	29,700	-0.607763555	-109.185116	36.59566077	10/20/2012	103235	1828.4	NMEA 0183	12	2
662339.8221	4051552.568	29,700	-0.607763555	-109.18512	36.59566293	10/20/2012	103237	1828.52	NMEA 0183	12	2
662318.5057	4051536.058	29,700	-0.607763555	-109.1853617	36.5955178	10/20/2012	103330	1827.46	NMEA 0183	12	2
662329.0562	4051548.473	29,700	-0.607763555	-109.1852412	36.59562787	10/20/2012	103352	1827.88	NMEA 0183	12	2
662334.6686	4051554.246	29,700	-0.607763555	-109.1851772	36.59567893	10/20/2012	103359	1827.68	NMEA 0183	12	2
662343.5836	4051561.965	29,700	-0.607763555	-109.185076	36.59574697	10/20/2012	103424	1828.42	NMEA 0183	12	2
662311.1912	4051538.673	29,700	-0.607763555	-109.1854429	36.59555426	10/20/2012	103522	1826.04	NMEA 0183	12	2
662314.1288	4051541.63	29,700	-0.607763555	-109.1854094	36.59556875	10/20/2012	103526	1826.32	NMEA 0183	12	2
662334.1811	4051563.079	29,700	-0.607763555	-109.1851808	36.5957586	10/20/2012	103609	1827.49	NMEA 0183	12	2
662343.8371	4051571.444	29,700	-0.607763555	-109.1850712	36.59583233	10/20/2012	103630	1827.58	NMEA 0183	12	2
662345.0895	4051569.729	29,700	-0.607763555	-109.1850575	36.59581667	10/20/2012	103634	1827.19	NMEA 0183	12	2
662347.5046	4051568.765	29,700	-0.607763555	-109.1850307	36.59580757	10/20/2012	103638	1827.04	NMEA 0183	12	2
662330.1711	4051562.015	29,700	-0.607763555	-109.1852259	36.5957497	10/20/2012	103719	1826.65	NMEA 0183	12	2
662308.8296	4051540.28	29,700	-0.607763555	-109.1854689	36.59555748	10/20/2012	103755	1826.33	NMEA 0183	12	2
662329.1109	4051566.821	29,700	-0.607763555	-109.1852367	36.59579318	10/20/2012	103837	1827.5	NMEA 0183	12	2
662339.0227	4051578.937	29,700	-0.607763555	-109.1851234	36.59590067	10/20/2012	103856	1829.24	NMEA 0183	12	2
662328.5463	4051569.624	29,700	-0.607763555	-109.1852424	36.59581853	10/20/2012	103947	1827.77	NMEA 0183	12	2
662323.9189	4051565.957	29,700	-0.607763555	-109.1852949	36.59578628	10/20/2012	103957	1827.51	NMEA 0183	12	2
662304.8473	4051541.07	29,700	-0.607763555	-109.1855133	36.59556528	10/20/2012	104032	1826.46	NMEA 0183	12	2
662335.3516	4051585.282	29,700	-0.607763555	-109.1851631	36.59595847	10/20/2012	104138	1830.37	NMEA 0183	12	2
662322.0604	4051567.616	29,700	-0.607763555	-109.1853153	36.59580155	10/20/2012	104228	1827.49	NMEA 0183	12	2
662303.4867	4051550.485	29,700	-0.607763555	-109.1855265	36.59565035	10/20/2012	104304	1827.12	NMEA 0183	12	2
662314.2853	4051560.901	29,700	-0.607763555	-109.1854036	36.59574237	10/20/2012	104322	1826.71	NMEA 0183	12	2
662326.8442	4051584.09	29,700	-0.607763555	-109.1852584	36.59594917	10/20/2012	104422	1830.57	NMEA 0183	12	2
662324.0187	4051587.441	29,700	-0.607763555	-109.1852892	36.59597985	10/20/2012	104450	1830.7	NMEA 0183	12	2
662326.1457	4051590.987	29,700	-0.607763555	-109.1852647	36.59601143	10/20/2012	104455	1830.67	NMEA 0183	12	2
662330.5641	4051596.562	29,700	-0.607763555	-109.1852142	36.59606092	10/20/2012	104504	1831.02	NMEA 0183	12	2
662314.7644	4051570.991	29,700	-0.607763555	-109.1853961	36.5958332	10/20/2012	104554	1827.79	NMEA 0183	12	2
662317.261	4051578.269	29,700	-0.607763555	-109.1853667	36.59589835	10/20/2012	104612	1828.21	NMEA 0183	12	2
662320.1295	4051580.776	29,700	-0.607763555	-109.1853341	36.59592045	10/20/2012	104619	1829.14	NMEA 0183	12	2
662320.311	4051585.222	29,700	-0.607763555	-109.1853311	36.59596048	10/20/2012	104628	1830.11	NMEA 0183	12	2
662322.1201	4051592.413	29,700	-0.607763555	-109.1853094	36.59602497	10/20/2012	104648	1831.26	NMEA 0183	12	2
662318.2302	4051594.309	29,700	-0.607763555	-109.1853525	36.59604272	10/20/2012	104710	1830.99	NMEA 0183	12	2
662329.2054	4051589.372	29,700	-0.607763555	-109.1852309	36.59599637	10/20/2012	104825	1830.63	NMEA 0183	12	2
662329.0408	4051591.613	29,700	-0.607763555	-109.1852322	36.59601658	10/20/2012	104925	1830.68	NMEA 0183	12	2
662328.9224	4051591.801	29,700	-0.607763555	-109.1852335	36.5960183	10/20/2012	104959	1831.12	NMEA 0183	12	2
662328.5874	4051591.693	29,700	-0.607763555	-109.1852373	36.59601738	10/20/2012	105004	1831.04	NMEA 0183	12	2
662329.2993	4051591.272	29,700	-0.607763555	-109.1852294	36.59601347	10/20/2012	105053	1830.98	NMEA 0183	12	2
662329.3108	4051591.294	29,700	-0.607763555	-109.1852293	36.59601367	10/20/2012	105055	1830.93	NMEA 0183	12	2
662329.2886	4051591.285	29,700	-0.607763555	-109.1852295	36.59601358	10/20/2012	105056	1830.93	NMEA 0183	12	2
662329.3777	4051591.07	29,700	-0.607763555	-109.1852286	36.59601163	10/20/2012	105114	1830.96	NMEA 0183	12	2
662330.2401	4051590.892	29,700	-0.607763555	-109.185219	36.59600988	10/20/2012	105252	1830.86	NMEA 0183	12	2
662329.6539	4051591.134	29,700	-0.607763555	-109.1852255	36.59601217	10/20/2012	105328	1830.71	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662313.6795	4051592.268	29,700	-0.607763555	-109.1854038	36.5960251	10/20/2012	105539	1827.29	NMEA 0183	12	2
662314.235	4051582.993	29,700	-0.607763555	-109.1853995	36.59594143	10/20/2012	105600	1827.02	NMEA 0183	12	2
662313.3872	4051574.496	29,700	-0.607763555	-109.1854108	36.59586502	10/20/2012	105617	1826.91	NMEA 0183	12	2
662312.7158	4051571.191	29,700	-0.607763555	-109.185419	36.59583535	10/20/2012	105627	1826.76	NMEA 0183	12	2
662309.2666	4051566.422	29,700	-0.607763555	-109.1854585	36.59579297	10/20/2012	105941	1827.03	NMEA 0183	12	2
662308.1365	4051569.632	29,700	-0.607763555	-109.1854705	36.59582208	10/20/2012	110021	1827.79	NMEA 0183	12	2
662310.6481	4051558.265	29,700	-0.607763555	-109.1854448	36.59571923	10/20/2012	110039	1826.86	NMEA 0183	12	2
662307.0273	4051563.526	29,700	-0.607763555	-109.1854842	36.59576725	10/20/2012	110112	1827.2	NMEA 0183	12	2
662302.8095	4051576.392	29,700	-0.607763555	-109.1855286	36.5958839	10/20/2012	110136	1827.68	NMEA 0183	12	2
662303.475	4051567.456	29,700	-0.607763555	-109.185523	36.59580327	10/20/2012	110156	1827.39	NMEA 0183	12	2
662306.6604	4051554.842	29,700	-0.607763555	-109.1854901	36.59568907	10/20/2012	110219	1827.35	NMEA 0183	12	2
662291.2437	4051570.27	29,700	-0.607763555	-109.1856591	36.5958307	10/20/2012	110456	1827.58	NMEA 0183	12	2
662300.951	4051514.798	29,700	-0.607763555	-109.1855623	36.59532922	10/20/2012	111152	1825.97	NMEA 0183	12	2
662298.4992	4051511.627	29,700	-0.607763555	-109.1855904	36.59530107	10/20/2012	111458	1825.32	NMEA 0183	12	2
662299.4936	4051504.46	29,700	-0.607763555	-109.1855808	36.59523632	10/20/2012	111517	1825.1	NMEA 0183	12	2
662294.502	4051512.889	29,700	-0.607763555	-109.1856348	36.59531312	10/20/2012	111535	1825.12	NMEA 0183	12	2
662270.5947	4051571.099	29,700	-0.607763555	-109.1858897	36.59584168	10/20/2012	111652	1828.01	NMEA 0183	12	2
662283.0333	4051529.662	29,700	-0.607763555	-109.1857594	36.5954662	10/20/2012	111758	1825.57	NMEA 0183	12	2
662293.4954	4051507.35	29,700	-0.607763555	-109.1856472	36.59526338	10/20/2012	111840	1824.88	NMEA 0183	12	2
662274.4651	4051530.817	29,700	-0.607763555	-109.1858549	36.59547807	10/20/2012	111951	1827.86	NMEA 0183	12	2
662269.844	4051548.927	29,700	-0.607763555	-109.1859027	36.59564203	10/20/2012	112119	1827.64	NMEA 0183	12	2
662269.4128	4051549.649	29,700	-0.607763555	-109.1859074	36.59564862	10/20/2012	112120	1827.63	NMEA 0183	12	2
662267.903	4051551.802	29,700	-0.607763555	-109.1859238	36.59566827	10/20/2012	112123	1827.86	NMEA 0183	12	2
662266.5352	4051551.332	29,700	-0.607763555	-109.1859392	36.59566427	10/20/2012	112251	1827.94	NMEA 0183	12	2
662282.255	4051504.293	29,700	-0.607763555	-109.1857735	36.59523775	10/20/2012	112445	1824.9	NMEA 0183	12	2
662272.5717	4051519.481	29,700	-0.607763555	-109.1858785	36.59537625	10/20/2012	112506	1825.33	NMEA 0183	12	2
662268.459	4051537.841	29,700	-0.607763555	-109.1859206	36.59554238	10/20/2012	112538	1826.35	NMEA 0183	12	2
662261.9932	4051549.221	29,700	-0.607763555	-109.1859904	36.59564602	10/20/2012	112632	1826.82	NMEA 0183	12	2
662258.7262	4051552.413	29,700	-0.607763555	-109.1860262	36.59567533	10/20/2012	112639	1826.64	NMEA 0183	12	2
662256.4029	4051554.283	29,700	-0.607763555	-109.1860518	36.59569258	10/20/2012	112706	1826.7	NMEA 0183	12	2
662253.2074	4051561.194	29,700	-0.607763555	-109.1860861	36.5957554	10/20/2012	112739	1827.33	NMEA 0183	12	2
662250.5021	4051563.472	29,700	-0.607763555	-109.1861158	36.59577638	10/20/2012	112812	1826.84	NMEA 0183	12	2
662250.5289	4051562.607	29,700	-0.607763555	-109.1861157	36.59576858	10/20/2012	112944	1826.76	NMEA 0183	12	2
662250.4946	4051562.682	29,700	-0.607763555	-109.1861161	36.59576927	10/20/2012	112952	1826.72	NMEA 0183	12	2
662245.5674	4051552.536	29,700	-0.607763555	-109.1861733	36.59567868	10/20/2012	113121	1826.53	NMEA 0183	12	2
662236.087	4051490.381	29,700	-0.607763555	-109.1862923	36.59512025	10/20/2012	113248	1825.43	NMEA 0183	12	2
662269.7572	4051531.17	29,700	-0.607763555	-109.1859075	36.59548205	10/20/2012	113442	1826.19	NMEA 0183	12	2
662252.0928	4051516.587	29,700	-0.607763555	-109.1861079	36.59535365	10/20/2012	113507	1825.68	NMEA 0183	12	2
662240.8224	4051503.422	29,700	-0.607763555	-109.1862366	36.59523695	10/20/2012	113523	1825.53	NMEA 0183	12	2
662237.301	4051489.909	29,700	-0.607763555	-109.1862788	36.59511578	10/20/2012	113604	1825.03	NMEA 0183	12	2
662256.6398	4051513.456	29,700	-0.607763555	-109.1860578	36.59532467	10/20/2012	113632	1825.22	NMEA 0183	12	2
662264.3874	4051516.264	29,700	-0.607763555	-109.1859706	36.59534865	10/20/2012	113712	1825.25	NMEA 0183	12	2
662243.461	4051490.062	29,700	-0.607763555	-109.18621	36.59511612	10/20/2012	113743	1824.95	NMEA 0183	12	2
662236.7863	4051480.201	29,700	-0.607763555	-109.1862866	36.5950284	10/20/2012	113754	1824.67	NMEA 0183	12	2
662256.3013	4051502.155	29,700	-0.607763555	-109.1860639	36.5952229	10/20/2012	113843	1825.33	NMEA 0183	12	2
662266.6505	4051510.075	29,700	-0.607763555	-109.1859466	36.5952925	10/20/2012	113922	1825.51	NMEA 0183	12	2
662256.1126	4051492.72	29,700	-0.607763555	-109.186068	36.59513792	10/20/2012	113941	1825.42	NMEA 0183	12	2
662257.1325	4051491.546	29,700	-0.607763555	-109.1860569	36.59512717	10/20/2012	114036	1825.04	NMEA 0183	12	2
662276.7198	4051516.941	29,700	-0.607763555	-109.1858327	36.59535265	10/20/2012	114113	1825.39	NMEA 0183	12	2
662276.8816	4051515.242	29,700	-0.607763555	-109.1858312	36.59533732	10/20/2012	114115	1825.32	NMEA 0183	12	2
662267.7118	4051504.265	29,700	-0.607763555	-109.185936	36.59523997	10/20/2012	114130	1825.15	NMEA 0183	12	2
662263.96	4051495.371	29,700	-0.607763555	-109.1859798	36.59516047	10/20/2012	114140	1825.19	NMEA 0183	12	2
662254.0188	4051480.693	29,700	-0.607763555	-109.186094	36.5950299	10/20/2012	114156	1824.64	NMEA 0183	12	2
662267.387	4051494.372	29,700	-0.607763555	-109.1859417	36.59515088	10/20/2012	114238	1825	NMEA 0183	12	2
662278.0318	4051511.914	29,700	-0.607763555	-109.1858191	36.59530713	10/20/2012	114300	1825.25	NMEA 0183	12	2
662277.8826	4051505.519	29,700	-0.607763555	-109.1858221	36.59524953	10/20/2012	114317	1825.11	NMEA 0183	12	2
662273.8228	4051497.533	29,700	-0.607763555	-109.1858691	36.59517827	10/20/2012	114329	1824.96	NMEA 0183	12	2
662273.1566	4051495.852	29,700	-0.607763555	-109.1858769	36.59516323	10/20/2012	114331	1824.98	NMEA 0183	12	2
662255.317	4051468.578	29,700	-0.607763555	-109.186082	36.59492052	10/20/2012	114419	1824.4	NMEA 0183	12	2
662275.4234	4051491.834	29,700	-0.607763555	-109.1858524	36.59512665	10/20/2012	114450	1824.69	NMEA 0183	12	2
662282.8602	4051498.467	29,700	-0.607763555	-109.1857679	36.59518515	10/20/2012	114527	1824.92	NMEA 0183	12	2
662280.3167	4051493.591	29,700	-0.607763555	-109.1857974	36.59514165	10/20/2012	114534	1824.83	NMEA 0183	12	2
662261.9604	4051471.886	29,700	-0.607763555	-109.1860071	36.5949492	10/20/2012	114603	1824.29	NMEA 0183	12	2
662308.998	4051536.656	29,700	-0.607763555	-109.1854678	36.59552448	10/20/2012	114856	1826.38	NMEA 0183	12	2
662310.4503	4051535.018	29,700	-0.607763555	-109.1854519	36.5955098	10/20/2012	114859	1826.34	NMEA 0183	12	2
662311.3343	4051533.465	29,700	-0.607763555	-109.1854424	36.59549565	10/20/2012	114901	1826.24	NMEA 0183	12	2
662311.8646	4051531.053	29,700	-0.607763555	-109.185437	36.59547383	10/20/2012	114904	1826.19	NMEA 0183	12	2
662297.627	4051503.712	29,700	-0.607763555	-109.1856018	36.5952299	10/20/2012	115032	1825.4	NMEA 0183	12	2
662283.1308	4051488.872	29,700	-0.607763555	-109.1857669	36.59509865	10/20/2012	115058	1825.36	NMEA 0183	12	2
662283.0061	4051488.134	29,700	-0.607763555	-109.1857685	36.59509202	10/20/2012	115102	1825.33	NMEA 0183	12	2
662272.2529	4051481.862	29,700	-0.607763555	-109.18589	36.59503733	10/20/2012	115114	1824.7	NMEA 0183	12	2
662261.4453	4051476.571	29,800	-0.555729004	-109.1860119	36.5949915	10/20/2012	102534	1825.22	NMEA 0183	12	2
662290.019	4051490.906	29,800	-0.555729004	-109.1856895	36.5951158	10/20/2012	102644	1825.46	NMEA 0183	12	2
662334.4521	4051528.754	29,800	-0.555729004	-109.185185	36.59544927	10/20/2012	102742	1826.47	NMEA 0183	12	2
662349.4268	4051544.465	29,800	-0.555729004	-109.1850144	36.59558828	10/20/2012	102824	1827.07	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662340.9299	4051543.429	29,800	-0.555729004	-109.1851096	36.5955804	10/20/2012	102926	1828.16	NMEA 0183	12	2
662344.3293	4051546.494	29,800	-0.555729004	-109.1850709	36.59560743	10/20/2012	102933	1827.39	NMEA 0183	12	2
662344.8126	4051549.49	29,800	-0.555729004	-109.1850649	36.59563435	10/20/2012	102953	1827.41	NMEA 0183	12	2
662342.2096	4051546.507	29,800	-0.555729004	-109.1850946	36.59560792	10/20/2012	103008	1827.69	NMEA 0183	12	2
662342.2422	4051546.6	29,800	-0.555729004	-109.1850942	36.59560875	10/20/2012	103011	1827.66	NMEA 0183	12	2
662342.3549	4051546.632	29,800	-0.555729004	-109.185093	36.59560902	10/20/2012	103031	1827.41	NMEA 0183	12	2
662318.9203	4051527.768	29,800	-0.555729004	-109.1853588	36.59544303	10/20/2012	103125	1826.22	NMEA 0183	12	2
662339.0919	4051551.983	29,800	-0.555729004	-109.1851283	36.59565778	10/20/2012	103242	1828.47	NMEA 0183	12	2
662332.295	4051551.671	29,800	-0.555729004	-109.1852043	36.59565613	10/20/2012	103356	1827.59	NMEA 0183	12	2
662333.4252	4051557.689	29,800	-0.555729004	-109.1851904	36.59571017	10/20/2012	103440	1828.02	NMEA 0183	12	2
662325.9169	4051552.564	29,800	-0.555729004	-109.1852754	36.59566527	10/20/2012	103456	1827.11	NMEA 0183	12	2
662315.2524	4051543.262	29,800	-0.555729004	-109.1853965	36.59558327	10/20/2012	103528	1826.42	NMEA 0183	12	2
662327.71	4051557.761	29,800	-0.555729004	-109.1852543	36.59571178	10/20/2012	103559	1826.95	NMEA 0183	12	2
662348.8045	4051569.039	29,800	-0.555729004	-109.1850162	36.59580982	10/20/2012	103640	1826.79	NMEA 0183	12	2
662350.5014	4051573.483	29,800	-0.555729004	-109.1849963	36.59584957	10/20/2012	103649	1827.13	NMEA 0183	12	2
662335.3211	4051577.735	29,800	-0.555729004	-109.185165	36.59589047	10/20/2012	103913	1829.66	NMEA 0183	12	2
662331.6618	4051572.483	29,800	-0.555729004	-109.185207	36.59584377	10/20/2012	103939	1827.86	NMEA 0183	12	2
662330.7592	4051572.257	29,800	-0.555729004	-109.1852171	36.59584188	10/20/2012	103941	1827.9	NMEA 0183	12	2
662312.1181	4051552.454	29,800	-0.555729004	-109.1854296	36.59566662	10/20/2012	104049	1826.95	NMEA 0183	12	2
662319.3209	4051560.73	29,800	-0.555729004	-109.1853474	36.59573997	10/20/2012	104100	1827.14	NMEA 0183	12	2
662322.2813	4051564.77	29,800	-0.555729004	-109.1853134	36.59577587	10/20/2012	104105	1827.49	NMEA 0183	12	2
662321.3722	4051566.939	29,800	-0.555729004	-109.1853231	36.59579557	10/20/2012	104230	1827.18	NMEA 0183	12	2
662314.9597	4051560.098	29,800	-0.555729004	-109.1853962	36.59573502	10/20/2012	104239	1826.78	NMEA 0183	12	2
662302.7491	4051549.657	29,800	-0.555729004	-109.1855349	36.59564302	10/20/2012	104302	1826.59	NMEA 0183	12	2
662327.2611	4051588.743	29,800	-0.555729004	-109.1852527	36.59599142	10/20/2012	104443	1830.54	NMEA 0183	12	2
662324.3688	4051592.043	29,800	-0.555729004	-109.1852844	36.59602125	10/20/2012	104516	1830.76	NMEA 0183	12	2
662317.8813	4051574.957	29,800	-0.555729004	-109.1853605	36.5958684	10/20/2012	104543	1828.83	NMEA 0183	12	2
662314.0073	4051571.991	29,800	-0.555729004	-109.1854044	36.59584233	10/20/2012	104602	1827.58	NMEA 0183	12	2
662318.6346	4051579.455	29,800	-0.555729004	-109.1853511	36.5959088	10/20/2012	104615	1828.52	NMEA 0183	12	2
662321.3696	4051588.953	29,800	-0.555729004	-109.1853185	36.59599392	10/20/2012	104638	1830.64	NMEA 0183	12	2
662322.3417	4051593.312	29,800	-0.555729004	-109.1853067	36.59603303	10/20/2012	104650	1831.44	NMEA 0183	12	2
662318.8706	4051592.938	29,800	-0.555729004	-109.1853456	36.59603025	10/20/2012	104656	1830.86	NMEA 0183	12	2
662318.5405	4051593.046	29,800	-0.555729004	-109.1853493	36.59603128	10/20/2012	104713	1830.68	NMEA 0183	12	2
662321.12	4051591.741	29,800	-0.555729004	-109.1853207	36.59601908	10/20/2012	104734	1830.59	NMEA 0183	12	2
662329.0339	4051591.583	29,800	-0.555729004	-109.1852323	36.59601632	10/20/2012	104958	1831.08	NMEA 0183	12	2
662329.3748	4051591.299	29,800	-0.555729004	-109.1852286	36.5960137	10/20/2012	105044	1831.1	NMEA 0183	12	2
662329.5117	4051591.08	29,800	-0.555729004	-109.1852271	36.5960117	10/20/2012	105105	1830.95	NMEA 0183	12	2
662329.6864	4051591.07	29,800	-0.555729004	-109.1852251	36.59601158	10/20/2012	105156	1830.85	NMEA 0183	12	2
662329.9659	4051590.961	29,800	-0.555729004	-109.185222	36.59601055	10/20/2012	105200	1830.87	NMEA 0183	12	2
662330.4407	4051590.933	29,800	-0.555729004	-109.1852167	36.59601022	10/20/2012	105235	1830.92	NMEA 0183	12	2
662330.448	4051590.942	29,800	-0.555729004	-109.1852167	36.5960103	10/20/2012	105236	1830.88	NMEA 0183	12	2
662329.3473	4051595.363	29,800	-0.555729004	-109.185228	36.59605032	10/20/2012	105349	1830.95	NMEA 0183	12	2
662326.7904	4051599.652	29,800	-0.555729004	-109.1852557	36.5960894	10/20/2012	105402	1830.7	NMEA 0183	12	2
662321.6405	4051599.797	29,800	-0.555729004	-109.1853132	36.59609158	10/20/2012	105449	1829.52	NMEA 0183	12	2
662314.3076	4051578.912	29,800	-0.555729004	-109.1853996	36.59590465	10/20/2012	105607	1827.03	NMEA 0183	12	2
662315.0083	4051552.869	29,800	-0.555729004	-109.1853972	36.59566987	10/20/2012	105708	1826.45	NMEA 0183	12	2
662315.2015	4051552.906	29,800	-0.555729004	-109.1853951	36.59567017	10/20/2012	105833	1826.53	NMEA 0183	12	2
662315.0721	4051552.887	29,800	-0.555729004	-109.1853965	36.59567002	10/20/2012	105852	1826.49	NMEA 0183	12	2
662315.1045	4051552.906	29,800	-0.555729004	-109.1853961	36.59567018	10/20/2012	105857	1826.52	NMEA 0183	12	2
662310.6182	4051565.297	29,800	-0.555729004	-109.1854437	36.5957826	10/20/2012	105936	1826.97	NMEA 0183	12	2
662310.4792	4051573.213	29,800	-0.555729004	-109.1854435	36.59585395	10/20/2012	105951	1827.8	NMEA 0183	12	2
662306.971	4051575.907	29,800	-0.555729004	-109.1854822	36.59587882	10/20/2012	110003	1828.23	NMEA 0183	12	2
662307.1009	4051572.189	29,800	-0.555729004	-109.1854815	36.5958453	10/20/2012	110016	1827.78	NMEA 0183	12	2
662307.5898	4051558.463	29,800	-0.555729004	-109.1854789	36.59572153	10/20/2012	110059	1827.86	NMEA 0183	12	2
662307.2697	4051562.461	29,800	-0.555729004	-109.1854817	36.59575762	10/20/2012	110106	1827.08	NMEA 0183	12	2
662306.9131	4051570.839	29,800	-0.555729004	-109.1854839	36.59583317	10/20/2012	110124	1827.88	NMEA 0183	12	2
662302.8895	4051576.74	29,800	-0.555729004	-109.1855276	36.59588702	10/20/2012	110134	1827.7	NMEA 0183	12	2
662306.0664	4051558.181	29,800	-0.555729004	-109.185496	36.59571925	10/20/2012	110213	1827.11	NMEA 0183	12	2
662306.1807	4051556.625	29,800	-0.555729004	-109.1854951	36.59570522	10/20/2012	110215	1827.43	NMEA 0183	12	2
662286.8263	4051569.936	29,800	-0.555729004	-109.1857085	36.59582845	10/20/2012	110903	1827.76	NMEA 0183	12	2
662281.3047	4051575.548	29,800	-0.555729004	-109.1857691	36.59587995	10/20/2012	110924	1827.57	NMEA 0183	12	2
662281.0221	4051562.944	29,800	-0.555729004	-109.1857749	36.59576643	10/20/2012	110949	1827.21	NMEA 0183	12	2
662305.2928	4051517.007	29,800	-0.555729004	-109.1855134	36.59534838	10/20/2012	111105	1826.18	NMEA 0183	12	2
662303.9785	4051513.704	29,800	-0.555729004	-109.1855287	36.59531885	10/20/2012	111123	1825.93	NMEA 0183	12	2
662306.4505	4051509.171	29,800	-0.555729004	-109.1855021	36.59527758	10/20/2012	111132	1826.09	NMEA 0183	12	2
662282.9449	4051543.109	29,800	-0.555729004	-109.1857576	36.59558738	10/20/2012	111414	1826.81	NMEA 0183	12	2
662300.798	4051506.785	29,800	-0.555729004	-109.1855657	36.59525705	10/20/2012	111504	1825.13	NMEA 0183	12	2
662292.0719	4051518.756	29,800	-0.555729004	-109.1856607	36.5953664	10/20/2012	111543	1825.33	NMEA 0183	12	2
662270.7997	4051557.006	29,800	-0.555729004	-109.1858904	36.59571467	10/20/2012	111720	1827.37	NMEA 0183	12	2
662292.5466	4051502.146	29,800	-0.555729004	-109.1856589	36.59521665	10/20/2012	111856	1824.73	NMEA 0183	12	2
662290.5958	4051505.224	29,800	-0.555729004	-109.1856801	36.59524472	10/20/2012	111901	1824.82	NMEA 0183	12	2
662280.4537	4051526.304	29,800	-0.555729004	-109.185789	36.59543638	10/20/2012	111934	1826.49	NMEA 0183	12	2
662271.3276	4051545.873	29,800	-0.555729004	-109.1858868	36.59561427	10/20/2012	112114	1827.51	NMEA 0183	12	2
662259.1326	4051568.017	29,800	-0.555729004	-109.1860184	36.59581587	10/20/2012	112202	1829.29	NMEA 0183	12	2
662257.846	4051561.034	29,800	-0.555729004	-109.1860343	36.59575317	10/20/2012	112231	1830.36	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662273.6309	4051534.636	29,800	-0.555729004	-109.1858634	36.59551262	10/20/2012	112317	1827.76	NMEA 0183	12	2
662275.498	4051530.777	29,800	-0.555729004	-109.1858434	36.59547753	10/20/2012	112325	1827.91	NMEA 0183	12	2
662277.1107	4051523.727	29,800	-0.555729004	-109.1858269	36.59541373	10/20/2012	112341	1826.69	NMEA 0183	12	2
662281.8878	4051505.015	29,800	-0.555729004	-109.1857774	36.59524432	10/20/2012	112446	1824.97	NMEA 0183	12	2
662266.8576	4051528.572	29,800	-0.555729004	-109.1859404	36.59545913	10/20/2012	112523	1825.4	NMEA 0183	12	2
662266.2588	4051530.664	29,800	-0.555729004	-109.1859467	36.59547808	10/20/2012	112526	1825.45	NMEA 0183	12	2
662268.6678	4051538.944	29,800	-0.555729004	-109.185918	36.59555228	10/20/2012	112604	1826.43	NMEA 0183	12	2
662255.9079	4051554.829	29,800	-0.555729004	-109.1860572	36.59569758	10/20/2012	112707	1826.68	NMEA 0183	12	2
662250.202	4051563.884	29,800	-0.555729004	-109.1861191	36.59578015	10/20/2012	112835	1826.61	NMEA 0183	12	2
662250.5876	4051562.577	29,800	-0.555729004	-109.186115	36.5957683	10/20/2012	113001	1826.71	NMEA 0183	12	2
662250.7676	4051562.602	29,800	-0.555729004	-109.186113	36.5957685	10/20/2012	113026	1826.74	NMEA 0183	12	2
662244.7107	4051541.666	29,800	-0.555729004	-109.1861851	36.59558088	10/20/2012	113146	1826.85	NMEA 0183	12	2
662220.6748	4051488.587	29,800	-0.555729004	-109.1864649	36.5951067	10/20/2012	113320	1825.27	NMEA 0183	12	2
662227.7609	4051493.489	29,800	-0.555729004	-109.1863847	36.59514967	10/20/2012	113337	1825.23	NMEA 0183	12	2
662249.5063	4051515.015	29,800	-0.555729004	-109.1861372	36.59533993	10/20/2012	113408	1825.56	NMEA 0183	12	2
662254.0936	4051521.447	29,800	-0.555729004	-109.1860845	36.5953971	10/20/2012	113415	1825.45	NMEA 0183	12	2
662268.7336	4051536.25	29,800	-0.555729004	-109.1859178	36.5955528	10/20/2012	113435	1826.52	NMEA 0183	12	2
662257.3165	4051522.645	29,800	-0.555729004	-109.1860483	36.59540735	10/20/2012	113459	1825.74	NMEA 0183	12	2
662255.407	4051520.452	29,800	-0.555729004	-109.1860701	36.59538792	10/20/2012	113502	1825.68	NMEA 0183	12	2
662250.1111	4051514.028	29,800	-0.555729004	-109.1861306	36.59533093	10/20/2012	113510	1825.8	NMEA 0183	12	2
662228.4918	4051480.76	29,800	-0.555729004	-109.1863792	36.59503485	10/20/2012	113553	1824.81	NMEA 0183	12	2
662269.0349	4051520.212	29,800	-0.555729004	-109.1859178	36.59538343	10/20/2012	113706	1825.99	NMEA 0183	12	2
662236.9572	4051477.548	29,800	-0.555729004	-109.1862853	36.59500447	10/20/2012	113802	1824.79	NMEA 0183	12	2
662240.4813	4051480.642	29,800	-0.555729004	-109.1862453	36.59503175	10/20/2012	113815	1824.66	NMEA 0183	12	2
662243.1863	4051474.12	29,800	-0.555729004	-109.1862164	36.59497252	10/20/2012	114015	1824.78	NMEA 0183	12	2
662276.3108	4051513.481	29,800	-0.555729004	-109.185838	36.59532155	10/20/2012	114117	1825.33	NMEA 0183	12	2
662276.2087	4051492.347	29,800	-0.555729004	-109.1858436	36.59513113	10/20/2012	114451	1824.73	NMEA 0183	12	2
662280.8519	4051499.134	29,800	-0.555729004	-109.1857902	36.5951915	10/20/2012	114500	1825.12	NMEA 0183	12	2
662273.8708	4051487.412	29,800	-0.555729004	-109.1858707	36.59508707	10/20/2012	114544	1824.67	NMEA 0183	12	2
662282.6563	4051489.439	29,800	-0.555729004	-109.1857721	36.59510383	10/20/2012	114647	1824.9	NMEA 0183	12	2
662284.345	4051493.135	29,800	-0.555729004	-109.1857525	36.59513685	10/20/2012	114658	1824.6	NMEA 0183	12	2
662324.3726	4051525.513	29,800	-0.555729004	-109.1852984	36.59542178	10/20/2012	114940	1825.97	NMEA 0183	12	2
662263.9474	4051474.238	29,900	-0.503694453	-109.1859844	36.59497005	10/20/2012	102543	1825.11	NMEA 0183	12	2
662350.026	4051542.75	29,900	-0.503694453	-109.1850081	36.59557273	10/20/2012	102803	1826.74	NMEA 0183	12	2
662349.1704	4051548.957	29,900	-0.503694453	-109.1850163	36.5956288	10/20/2012	102939	1827.02	NMEA 0183	12	2
662351.0736	4051550.929	29,900	-0.503694453	-109.1849946	36.59564625	10/20/2012	102942	1827.09	NMEA 0183	12	2
662342.235	4051546.586	29,900	-0.503694453	-109.1850943	36.59560862	10/20/2012	103020	1827.53	NMEA 0183	12	2
662337.2833	4051548.636	29,900	-0.503694453	-109.1851492	36.59562793	10/20/2012	103158	1828.12	NMEA 0183	12	2
662345.3228	4051557.457	29,900	-0.503694453	-109.1850575	36.59570605	10/20/2012	103225	1827.34	NMEA 0183	12	2
662331.9956	4051547.624	29,900	-0.503694453	-109.1852085	36.59561972	10/20/2012	103251	1827.39	NMEA 0183	12	2
662313.9456	4051531.585	29,900	-0.503694453	-109.1854136	36.59547827	10/20/2012	103319	1826.66	NMEA 0183	12	2
662346.8234	4051561.716	29,900	-0.503694453	-109.1850398	36.59574417	10/20/2012	103412	1827.56	NMEA 0183	12	2
662329.9139	4051555.575	29,900	-0.503694453	-109.1852301	36.59569172	10/20/2012	103446	1827.81	NMEA 0183	12	2
662324.2545	4051550.48	29,900	-0.503694453	-109.1852944	36.59564677	10/20/2012	103459	1826.87	NMEA 0183	12	2
662321.983	4051546.135	29,900	-0.503694453	-109.1853207	36.595608	10/20/2012	103504	1826.88	NMEA 0183	12	2
662321.2462	4051552.767	29,900	-0.503694453	-109.1853275	36.59566788	10/20/2012	103732	1826.42	NMEA 0183	12	2
662319.8696	4051549.681	29,900	-0.503694453	-109.1853436	36.59564032	10/20/2012	103736	1826.16	NMEA 0183	12	2
662316.7011	4051548.132	29,900	-0.503694453	-109.1853793	36.5956269	10/20/2012	103744	1826.08	NMEA 0183	12	2
662316.9576	4051551.452	29,900	-0.503694453	-109.1853757	36.59565677	10/20/2012	103818	1826.63	NMEA 0183	12	2
662337.2587	4051580.415	29,900	-0.503694453	-109.1851428	36.59591428	10/20/2012	103908	1829.92	NMEA 0183	12	2
662333.4872	4051576.912	29,900	-0.503694453	-109.1851857	36.59588337	10/20/2012	103917	1828.68	NMEA 0183	12	2
662332.0065	4051571.84	29,900	-0.503694453	-109.1852033	36.59583792	10/20/2012	103938	1827.67	NMEA 0183	12	2
662315.28	4051553.486	29,900	-0.503694453	-109.1853941	36.59567538	10/20/2012	104016	1826.76	NMEA 0183	12	2
662312.7046	4051553.384	29,900	-0.503694453	-109.1854229	36.5956749	10/20/2012	104050	1826.98	NMEA 0183	12	2
662321.8757	4051564.054	29,900	-0.503694453	-109.1853181	36.59576948	10/20/2012	104104	1827.4	NMEA 0183	12	2
662327.5944	4051570.825	29,900	-0.503694453	-109.1852528	36.59582952	10/20/2012	104114	1828.29	NMEA 0183	12	2
662335.222	4051586.06	29,900	-0.503694453	-109.1851643	36.5959655	10/20/2012	104140	1830.38	NMEA 0183	12	2
662335.6255	4051588.149	29,900	-0.503694453	-109.1851594	36.59598425	10/20/2012	104143	1830.53	NMEA 0183	12	2
662323.6743	4051570.061	29,900	-0.503694453	-109.1852968	36.5958233	10/20/2012	104223	1827.86	NMEA 0183	12	2
662303.0859	4051550.228	29,900	-0.503694453	-109.185531	36.5956481	10/20/2012	104303	1826.87	NMEA 0183	12	2
662320.5579	4051572.782	29,900	-0.503694453	-109.185331	36.59584835	10/20/2012	104343	1828.5	NMEA 0183	12	2
662331.5826	4051592.623	29,900	-0.503694453	-109.1852036	36.59602525	10/20/2012	104436	1830.68	NMEA 0183	12	2
662327.6882	4051595.237	29,900	-0.503694453	-109.1852466	36.59604947	10/20/2012	104509	1830.55	NMEA 0183	12	2
662318.5197	4051575.429	29,900	-0.503694453	-109.1853532	36.59587255	10/20/2012	104541	1828.98	NMEA 0183	12	2
662316.0431	4051576.81	29,900	-0.503694453	-109.1853806	36.59588542	10/20/2012	104609	1827.87	NMEA 0183	12	2
662320.7308	4051586.845	29,900	-0.503694453	-109.1853261	36.59597503	10/20/2012	104632	1830.34	NMEA 0183	12	2
662321.2647	4051589.69	29,900	-0.503694453	-109.1853195	36.59600058	10/20/2012	104642	1830.64	NMEA 0183	12	2
662328.1336	4051593.529	29,900	-0.503694453	-109.185242	36.596034	10/20/2012	104817	1830.53	NMEA 0183	12	2
662329.0852	4051591.551	29,900	-0.503694453	-109.1852318	36.59601602	10/20/2012	104931	1830.71	NMEA 0183	12	2
662329.058	4051591.573	29,900	-0.503694453	-109.1852321	36.59601622	10/20/2012	104948	1830.95	NMEA 0183	12	2
662329.3854	4051591.294	29,900	-0.503694453	-109.1852285	36.59601365	10/20/2012	105043	1831.08	NMEA 0183	12	2
662329.2192	4051591.326	29,900	-0.503694453	-109.1852303	36.59601397	10/20/2012	105058	1830.91	NMEA 0183	12	2
662330.0794	4051590.954	29,900	-0.503694453	-109.1852208	36.59601047	10/20/2012	105201	1830.86	NMEA 0183	12	2
662329.9799	4051590.928	29,900	-0.503694453	-109.1852219	36.59601025	10/20/2012	105321	1830.71	NMEA 0183	12	2
662329.4221	4051595.431	29,900	-0.503694453	-109.1852272	36.59605092	10/20/2012	105351	1830.93	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662329.3495	4051595.483	29,900	-0.503694453	-109.185228	36.5960514	10/20/2012	105353	1830.81	NMEA 0183	12	2
662329.2462	4051595.583	29,900	-0.503694453	-109.1852291	36.59605232	10/20/2012	105354	1830.68	NMEA 0183	12	2
662326.6016	4051602.066	29,900	-0.503694453	-109.1852573	36.59611118	10/20/2012	105406	1830.83	NMEA 0183	12	2
662324.6409	4051601.165	29,900	-0.503694453	-109.1852794	36.5961034	10/20/2012	105422	1830.17	NMEA 0183	12	2
662317.8525	4051599.938	29,900	-0.503694453	-109.1853555	36.5960935	10/20/2012	105508	1829.04	NMEA 0183	12	2
662312.2602	4051568.151	29,900	-0.503694453	-109.1854247	36.59580803	10/20/2012	105636	1826.72	NMEA 0183	12	2
662313.0294	4051557.114	29,900	-0.503694453	-109.1854184	36.59570845	10/20/2012	105658	1826.35	NMEA 0183	12	2
662315.1756	4051552.935	29,900	-0.503694453	-109.1853953	36.59567043	10/20/2012	105830	1826.54	NMEA 0183	12	2
662315.1532	4051552.7	29,900	-0.503694453	-109.1853956	36.59566832	10/20/2012	105906	1826.47	NMEA 0183	12	2
662303.0454	4051567.772	29,900	-0.503694453	-109.1855278	36.59580618	10/20/2012	110155	1827.37	NMEA 0183	12	2
662298.6443	4051574.233	29,900	-0.503694453	-109.1855756	36.59586515	10/20/2012	110322	1828.1	NMEA 0183	12	2
662288.7395	4051574.771	29,900	-0.503694453	-109.1856861	36.59587168	10/20/2012	110508	1828.07	NMEA 0183	12	2
662294.8021	4051550.464	29,900	-0.503694453	-109.1856235	36.59565163	10/20/2012	110545	1826.48	NMEA 0183	12	2
662315.102	4051513.161	29,900	-0.503694453	-109.1854046	36.59531207	10/20/2012	110646	1825.45	NMEA 0183	12	2
662313.0999	4051511.294	29,900	-0.503694453	-109.1854273	36.59529558	10/20/2012	110658	1826.63	NMEA 0183	12	2
662286.5069	4051558.888	29,900	-0.503694453	-109.1857144	36.59572895	10/20/2012	110837	1826.85	NMEA 0183	12	2
662286.2989	4051569.429	29,900	-0.503694453	-109.1857145	36.59582397	10/20/2012	110908	1827.89	NMEA 0183	12	2
662282.1692	4051575.971	29,900	-0.503694453	-109.1857593	36.59588362	10/20/2012	110922	1827.8	NMEA 0183	12	2
662277.5549	4051571.687	29,900	-0.503694453	-109.1858118	36.5958458	10/20/2012	110933	1827.31	NMEA 0183	12	2
662279.5865	4051559.356	29,900	-0.503694453	-109.1857917	36.59573435	10/20/2012	110956	1827.02	NMEA 0183	12	2
662294.0449	4051536.462	29,900	-0.503694453	-109.1856349	36.5955256	10/20/2012	111032	1826.87	NMEA 0183	12	2
662297.7544	4051526.107	29,900	-0.503694453	-109.1855957	36.59543167	10/20/2012	111209	1826.44	NMEA 0183	12	2
662299.4176	4051504.381	29,900	-0.503694453	-109.1855817	36.59523562	10/20/2012	111515	1825.07	NMEA 0183	12	2
662283.9434	4051526.329	29,900	-0.503694453	-109.18575	36.59543602	10/20/2012	111802	1825.37	NMEA 0183	12	2
662259.0517	4051566.218	29,900	-0.503694453	-109.1860197	36.59579967	10/20/2012	112144	1829.37	NMEA 0183	12	2
662259.285	4051569.82	29,900	-0.503694453	-109.1860163	36.59583208	10/20/2012	112159	1828.84	NMEA 0183	12	2
662276.5606	4051524.581	29,900	-0.503694453	-109.1858328	36.59542152	10/20/2012	112338	1827.03	NMEA 0183	12	2
662282.6832	4051509.734	29,900	-0.503694453	-109.1857675	36.5952867	10/20/2012	112402	1825.1	NMEA 0183	12	2
662287.4273	4051501.616	29,900	-0.503694453	-109.1857162	36.59521275	10/20/2012	112415	1824.87	NMEA 0183	12	2
662286.0017	4051499.547	29,900	-0.503694453	-109.1857326	36.59519435	10/20/2012	112438	1824.88	NMEA 0183	12	2
662272.7376	4051518.911	29,900	-0.503694453	-109.1858767	36.59537108	10/20/2012	112505	1825.32	NMEA 0183	12	2
662266.8461	4051534.787	29,900	-0.503694453	-109.1859392	36.59551513	10/20/2012	112532	1825.9	NMEA 0183	12	2
662267.2607	4051535.107	29,900	-0.503694453	-109.1859345	36.59551795	10/20/2012	112533	1825.99	NMEA 0183	12	2
662260.2004	4051551.04	29,900	-0.503694453	-109.1860101	36.59566272	10/20/2012	112636	1826.64	NMEA 0183	12	2
662253.2356	4051561.127	29,900	-0.503694453	-109.1860858	36.59575478	10/20/2012	112740	1827.32	NMEA 0183	12	2
662250.4398	4051563.693	29,900	-0.503694453	-109.1861165	36.59577838	10/20/2012	112818	1826.83	NMEA 0183	12	2
662250.4545	4051563.702	29,900	-0.503694453	-109.1861163	36.59577847	10/20/2012	112827	1826.87	NMEA 0183	12	2
662249.69	4051563.671	29,900	-0.503694453	-109.1861248	36.59577832	10/20/2012	112847	1826.34	NMEA 0183	12	2
662250.1029	4051563.206	29,900	-0.503694453	-109.1861203	36.59577405	10/20/2012	112859	1825.95	NMEA 0183	12	2
662250.186	4051563.388	29,900	-0.503694453	-109.1861194	36.59577568	10/20/2012	112901	1827.17	NMEA 0183	12	2
662250.6294	4051562.577	29,900	-0.503694453	-109.1861146	36.5957683	10/20/2012	113002	1826.7	NMEA 0183	12	2
662250.6203	4051562.586	29,900	-0.503694453	-109.1861147	36.59576838	10/20/2012	113007	1826.67	NMEA 0183	12	2
662246.4007	4051552.165	29,900	-0.503694453	-109.186164	36.5956752	10/20/2012	113055	1826.2	NMEA 0183	12	2
662260.547	4051529.683	29,900	-0.503694453	-109.1860107	36.59547022	10/20/2012	113424	1825.75	NMEA 0183	12	2
662262.3374	4051530.993	29,900	-0.503694453	-109.1859904	36.59548172	10/20/2012	113426	1825.6	NMEA 0183	12	2
662269.3556	4051532.616	29,900	-0.503694453	-109.1859116	36.59549515	10/20/2012	113440	1826.47	NMEA 0183	12	2
662268.8109	4051530.416	29,900	-0.503694453	-109.1859182	36.59547542	10/20/2012	113444	1825.77	NMEA 0183	12	2
662266.9589	4051528.025	29,900	-0.503694453	-109.1859394	36.59545418	10/20/2012	113653	1825.73	NMEA 0183	12	2
662268.4238	4051519.403	29,900	-0.503694453	-109.1859248	36.59537625	10/20/2012	113707	1826.06	NMEA 0183	12	2
662238.9614	4051483.651	29,900	-0.503694453	-109.1862616	36.59505912	10/20/2012	113750	1824.73	NMEA 0183	12	2
662240.4824	4051480.589	29,900	-0.503694453	-109.1862453	36.59503127	10/20/2012	113809	1824.65	NMEA 0183	12	2
662240.4869	4051480.663	29,900	-0.503694453	-109.1862452	36.59503193	10/20/2012	113812	1824.65	NMEA 0183	12	2
662258.8382	4051505.797	29,900	-0.503694453	-109.1860348	36.59525528	10/20/2012	113847	1825.3	NMEA 0183	12	2
662253.3225	4051490.794	29,900	-0.503694453	-109.1860996	36.59512103	10/20/2012	113944	1825.35	NMEA 0183	12	2
662243.9715	4051480.089	29,900	-0.503694453	-109.1862064	36.59502617	10/20/2012	113958	1824.79	NMEA 0183	12	2
662242.6061	4051478.467	29,900	-0.503694453	-109.186222	36.59501178	10/20/2012	114000	1824.78	NMEA 0183	12	2
662255.9009	4051489.871	29,900	-0.503694453	-109.186071	36.59511228	10/20/2012	114034	1824.93	NMEA 0183	12	2
662266.9415	4051505.327	29,900	-0.503694453	-109.1859444	36.59524967	10/20/2012	114056	1825.14	NMEA 0183	12	2
662274.3097	4051517.324	29,900	-0.503694453	-109.1858595	36.59535652	10/20/2012	114109	1825.31	NMEA 0183	12	2
662274.9697	4051518.078	29,900	-0.503694453	-109.185852	36.5953632	10/20/2012	114110	1825.34	NMEA 0183	12	2
662279.4581	4051507.072	29,900	-0.503694453	-109.1858041	36.59526327	10/20/2012	114314	1825.06	NMEA 0183	12	2
662267.4384	4051489.754	29,900	-0.503694453	-109.1859421	36.59510927	10/20/2012	114340	1824.59	NMEA 0183	12	2
662283.9883	4051499.859	29,900	-0.503694453	-109.185755	36.5951975	10/20/2012	114525	1824.93	NMEA 0183	12	2
662274.7337	4051486.498	29,900	-0.503694453	-109.1858613	36.59507868	10/20/2012	114636	1824.43	NMEA 0183	12	2
662280.1989	4051488.379	29,900	-0.503694453	-109.1857998	36.5950947	10/20/2012	114643	1824.62	NMEA 0183	12	2
662291.298	4051504.292	29,900	-0.503694453	-109.1856724	36.5952362	10/20/2012	114759	1825.14	NMEA 0183	12	2
662292.7101	4051505.022	29,900	-0.503694453	-109.1856565	36.59524253	10/20/2012	114801	1825.15	NMEA 0183	12	2
662306.5735	4051535.274	29,900	-0.503694453	-109.1854952	36.59551277	10/20/2012	114847	1826.39	NMEA 0183	12	2
662310.9667	4051534.212	29,900	-0.503694453	-109.1854463	36.59550245	10/20/2012	114900	1826.23	NMEA 0183	12	2
662324.8295	4051526.197	29,900	-0.503694453	-109.1852931	36.59542787	10/20/2012	114941	1826.04	NMEA 0183	12	2
662314.9881	4051509.242	29,900	-0.503694453	-109.1854067	36.59527677	10/20/2012	115013	1825.59	NMEA 0183	12	2
662296.8955	4051502.796	29,900	-0.503694453	-109.1856102	36.59522177	10/20/2012	115033	1825.39	NMEA 0183	12	2
662317.3466	4051511.744	30,000	-0.451659902	-109.1853798	36.59529892	10/20/2012	102716	1825.95	NMEA 0183	12	2
662332.1628	4051530.321	30,000	-0.451659902	-109.1852103	36.59546378	10/20/2012	102850	1826.56	NMEA 0183	12	2
662331.4988	4051533.89	30,000	-0.451659902	-109.185217	36.59549605	10/20/2012	102909	1826.98	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662347.3969	4051551.172	30,000	-0.451659902	-109.1850357	36.59564907	10/20/2012	102950	1827.36	NMEA 0183	12	2
662326.5464	4051536.055	30,000	-0.451659902	-109.1852718	36.5955164	10/20/2012	103137	1826.88	NMEA 0183	12	2
662341.1048	4051552.171	30,000	-0.451659902	-109.1851058	36.59565913	10/20/2012	103208	1828.25	NMEA 0183	12	2
662323.1352	4051537.881	30,000	-0.451659902	-109.1853096	36.59553343	10/20/2012	103306	1827.17	NMEA 0183	12	2
662321.6666	4051536.116	30,000	-0.451659902	-109.1853264	36.59551778	10/20/2012	103308	1827.04	NMEA 0183	12	2
662320.9987	4051539.339	30,000	-0.451659902	-109.1853331	36.59554693	10/20/2012	103336	1828.19	NMEA 0183	12	2
662340.6678	4051559.117	30,000	-0.451659902	-109.1851092	36.5957218	10/20/2012	103406	1828.29	NMEA 0183	12	2
662347.0956	4051563.728	30,000	-0.451659902	-109.1850364	36.59576225	10/20/2012	103417	1827.65	NMEA 0183	12	2
662345.4858	4051562.806	30,000	-0.451659902	-109.1850546	36.59575422	10/20/2012	103419	1827.83	NMEA 0183	12	2
662337.0806	4051557.784	30,000	-0.451659902	-109.1851495	36.5957104	10/20/2012	103433	1827.98	NMEA 0183	12	2
662336.1302	4051557.566	30,000	-0.451659902	-109.1851602	36.5957086	10/20/2012	103436	1827.99	NMEA 0183	12	2
662328.9481	4051555.38	30,000	-0.451659902	-109.1852409	36.59569012	10/20/2012	103448	1827.66	NMEA 0183	12	2
662325.3979	4051555.011	30,000	-0.451659902	-109.1852807	36.5956874	10/20/2012	103555	1826.79	NMEA 0183	12	2
662333.6639	4051562.74	30,000	-0.451659902	-109.1851867	36.59575563	10/20/2012	103608	1827.26	NMEA 0183	12	2
662323.3219	4051555.869	30,000	-0.451659902	-109.1853037	36.59569548	10/20/2012	103728	1826.5	NMEA 0183	12	2
662315.7515	4051546.529	30,000	-0.451659902	-109.1853903	36.59561262	10/20/2012	103746	1826.09	NMEA 0183	12	2
662332.9026	4051571.461	30,000	-0.451659902	-109.1851933	36.59583435	10/20/2012	103934	1827.62	NMEA 0183	12	2
662319.3915	4051559.202	30,000	-0.451659902	-109.1853469	36.59572618	10/20/2012	104008	1826.82	NMEA 0183	12	2
662311.2951	4051548.489	30,000	-0.451659902	-109.1854396	36.59563103	10/20/2012	104022	1826.99	NMEA 0183	12	2
662320.57	4051562.587	30,000	-0.451659902	-109.185333	36.59575648	10/20/2012	104102	1827.19	NMEA 0183	12	2
662327.9661	4051571.52	30,000	-0.451659902	-109.1852485	36.59583572	10/20/2012	104115	1828.33	NMEA 0183	12	2
662332.4756	4051582.381	30,000	-0.451659902	-109.1851958	36.59593282	10/20/2012	104131	1830.63	NMEA 0183	12	2
662333.5885	4051583.394	30,000	-0.451659902	-109.1851832	36.59594175	10/20/2012	104133	1830.72	NMEA 0183	12	2
662333.9184	4051589.062	30,000	-0.451659902	-109.1851783	36.59599277	10/20/2012	104146	1831.04	NMEA 0183	12	2
662333.8416	4051589.338	30,000	-0.451659902	-109.1851791	36.59599527	10/20/2012	104155	1831.17	NMEA 0183	12	2
662328.9732	4051579.949	30,000	-0.451659902	-109.1852355	36.5959115	10/20/2012	104208	1830.13	NMEA 0183	12	2
662315.7906	4051561.041	30,000	-0.451659902	-109.1853868	36.59574337	10/20/2012	104238	1826.93	NMEA 0183	12	2
662303.6654	4051548.528	30,000	-0.451659902	-109.1855249	36.59563268	10/20/2012	104254	1826.45	NMEA 0183	12	2
662310.765	4051557.448	30,000	-0.451659902	-109.1854437	36.59571185	10/20/2012	104317	1826.71	NMEA 0183	12	2
662314.9146	4051561.777	30,000	-0.451659902	-109.1853964	36.59575015	10/20/2012	104323	1826.83	NMEA 0183	12	2
662324.3087	4051577.534	30,000	-0.451659902	-109.1852881	36.59589053	10/20/2012	104405	1829.32	NMEA 0183	12	2
662327.6783	4051586.203	30,000	-0.451659902	-109.1852486	36.59596807	10/20/2012	104425	1830.82	NMEA 0183	12	2
662324.1311	4051586.62	30,000	-0.451659902	-109.1852882	36.59597243	10/20/2012	104449	1830.58	NMEA 0183	12	2
662321.0744	4051593.605	30,000	-0.451659902	-109.1853208	36.59603588	10/20/2012	104652	1831.35	NMEA 0183	12	2
662318.0271	4051594.877	30,000	-0.451659902	-109.1853546	36.59604787	10/20/2012	104708	1831.04	NMEA 0183	12	2
662322.0924	4051591.983	30,000	-0.451659902	-109.1853098	36.5960211	10/20/2012	104736	1830.95	NMEA 0183	12	2
662321.2478	4051598.715	30,000	-0.451659902	-109.1853178	36.5960819	10/20/2012	104758	1829.92	NMEA 0183	12	2
662323.0931	4051599.726	30,000	-0.451659902	-109.185297	36.5960907	10/20/2012	104806	1829.98	NMEA 0183	12	2
662329.0955	4051595.034	30,000	-0.451659902	-109.1852309	36.5960474	10/20/2012	104815	1830.8	NMEA 0183	12	2
662329.9273	4051589.532	30,000	-0.451659902	-109.1852228	36.59599768	10/20/2012	104828	1830.66	NMEA 0183	12	2
662329.9669	4051589.407	30,000	-0.451659902	-109.1852224	36.59599655	10/20/2012	104832	1830.74	NMEA 0183	12	2
662329.036	4051591.709	30,000	-0.451659902	-109.1852323	36.59601745	10/20/2012	104921	1830.72	NMEA 0183	12	2
662329.0494	4051591.711	30,000	-0.451659902	-109.1852321	36.59601747	10/20/2012	104922	1830.72	NMEA 0183	12	2
662329.0584	4051591.547	30,000	-0.451659902	-109.1852321	36.59601598	10/20/2012	105023	1831.03	NMEA 0183	12	2
662329.2992	4051591.278	30,000	-0.451659902	-109.1852294	36.59601352	10/20/2012	105054	1830.96	NMEA 0183	12	2
662329.253	4051591.353	30,000	-0.451659902	-109.1852299	36.5960142	10/20/2012	105059	1830.95	NMEA 0183	12	2
662329.2092	4051591.381	30,000	-0.451659902	-109.1852304	36.59601447	10/20/2012	105100	1830.95	NMEA 0183	12	2
662329.7797	4051591.107	30,000	-0.451659902	-109.1852241	36.5960119	10/20/2012	105149	1830.86	NMEA 0183	12	2
662330.2219	4051590.91	30,000	-0.451659902	-109.1852192	36.59601005	10/20/2012	105217	1830.8	NMEA 0183	12	2
662329.2323	4051595.373	30,000	-0.451659902	-109.1852293	36.59605043	10/20/2012	105347	1830.98	NMEA 0183	12	2
662327.4877	4051597.399	30,000	-0.451659902	-109.1852484	36.59606898	10/20/2012	105358	1830.59	NMEA 0183	12	2
662313.1949	4051573.546	30,000	-0.451659902	-109.1854131	36.59585648	10/20/2012	105619	1826.9	NMEA 0183	12	2
662312.6502	4051571.268	30,000	-0.451659902	-109.1854197	36.59583605	10/20/2012	105625	1826.79	NMEA 0183	12	2
662314.9906	4051552.857	30,000	-0.451659902	-109.1853974	36.59566977	10/20/2012	105725	1826.45	NMEA 0183	12	2
662315.212	4051552.9	30,000	-0.451659902	-109.1853949	36.59567012	10/20/2012	105813	1826.5	NMEA 0183	12	2
662315.1894	4051552.915	30,000	-0.451659902	-109.1853952	36.59567025	10/20/2012	105834	1826.53	NMEA 0183	12	2
662310.525	4051573.865	30,000	-0.451659902	-109.1854429	36.59585982	10/20/2012	105952	1827.89	NMEA 0183	12	2
662305.9488	4051575.54	30,000	-0.451659902	-109.1854937	36.59587568	10/20/2012	110009	1827.91	NMEA 0183	12	2
662307.5354	4051556.607	30,000	-0.451659902	-109.1854799	36.59570482	10/20/2012	110055	1827.92	NMEA 0183	12	2
662290.236	4051574.825	30,000	-0.451659902	-109.1856694	36.59587192	10/20/2012	110505	1827.91	NMEA 0183	12	2
662315.5418	4051511.747	30,000	-0.451659902	-109.1853999	36.59529925	10/20/2012	110648	1825.38	NMEA 0183	12	2
662309.6282	4051519.319	30,000	-0.451659902	-109.1854644	36.59536848	10/20/2012	110723	1826.33	NMEA 0183	12	2
662284.9102	4051571.016	30,000	-0.451659902	-109.1857297	36.5958385	10/20/2012	110859	1827.89	NMEA 0183	12	2
662278.5155	4051569.31	30,000	-0.451659902	-109.1858015	36.59582422	10/20/2012	110937	1827.29	NMEA 0183	12	2
662298.2513	4051525.619	30,000	-0.451659902	-109.1855902	36.59542718	10/20/2012	111208	1826.31	NMEA 0183	12	2
662300.0382	4051503.584	30,000	-0.451659902	-109.1855749	36.59522833	10/20/2012	111513	1825.1	NMEA 0183	12	2
662267.8358	4051566.498	30,000	-0.451659902	-109.1859215	36.5958007	10/20/2012	111707	1827.25	NMEA 0183	12	2
662269.0052	4051561.441	30,000	-0.451659902	-109.1859095	36.59575493	10/20/2012	111714	1827.11	NMEA 0183	12	2
662294.1284	4051506.134	30,000	-0.451659902	-109.1856404	36.59525232	10/20/2012	111842	1824.82	NMEA 0183	12	2
662295.4609	4051502.073	30,000	-0.451659902	-109.1856264	36.5952155	10/20/2012	111848	1824.81	NMEA 0183	12	2
662273.0303	4051534.924	30,000	-0.451659902	-109.1858701	36.59551532	10/20/2012	111959	1827.42	NMEA 0183	12	2
662258.5051	4051567.365	30,000	-0.451659902	-109.1860256	36.5958101	10/20/2012	112146	1829.31	NMEA 0183	12	2
662259.4622	4051569.281	30,000	-0.451659902	-109.1860145	36.5958272	10/20/2012	112200	1828.95	NMEA 0183	12	2
662259.3461	4051558.765	30,000	-0.451659902	-109.186018	36.59573247	10/20/2012	112235	1830.27	NMEA 0183	12	2
662258.4557	4051552.837	30,000	-0.451659902	-109.1860292	36.5956792	10/20/2012	112640	1826.71	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662257.0899	4051553.29	30,000	-0.451659902	-109.1860443	36.59568352	10/20/2012	112648	1826.77	NMEA 0183	12	2
662257.9938	4051553.366	30,000	-0.451659902	-109.1860342	36.59568405	10/20/2012	112654	1826.74	NMEA 0183	12	2
662250.7379	4051563.623	30,000	-0.451659902	-109.1861131	36.59577777	10/20/2012	112758	1826.78	NMEA 0183	12	2
662250.6518	4051563.68	30,000	-0.451659902	-109.1861141	36.59577823	10/20/2012	112810	1826.86	NMEA 0183	12	2
662250.5647	4051562.687	30,000	-0.451659902	-109.1861153	36.5957693	10/20/2012	112950	1826.72	NMEA 0183	12	2
662250.6315	4051562.542	30,000	-0.451659902	-109.1861146	36.59576798	10/20/2012	113009	1826.68	NMEA 0183	12	2
662249.5228	4051560.361	30,000	-0.451659902	-109.1861274	36.59574852	10/20/2012	113037	1826.42	NMEA 0183	12	2
662246.8106	4051515.362	30,000	-0.451659902	-109.1861672	36.59534352	10/20/2012	113218	1826.01	NMEA 0183	12	2
662240.9326	4051507.383	30,000	-0.451659902	-109.1862346	36.59527262	10/20/2012	113228	1825.79	NMEA 0183	12	2
662246.729	4051511.389	30,000	-0.451659902	-109.186169	36.59530773	10/20/2012	113404	1825.69	NMEA 0183	12	2
662232.2185	4051483.479	30,000	-0.451659902	-109.186337	36.59505872	10/20/2012	113557	1824.77	NMEA 0183	12	2
662233.7963	4051485.39	30,000	-0.451659902	-109.186319	36.59507567	10/20/2012	113559	1824.91	NMEA 0183	12	2
662257.5765	4051514.404	30,000	-0.451659902	-109.1860471	36.59533305	10/20/2012	113633	1825.16	NMEA 0183	12	2
662259.5795	4051516.937	30,000	-0.451659902	-109.1860242	36.59535553	10/20/2012	113636	1825.06	NMEA 0183	12	2
662259.5757	4051510.579	30,000	-0.451659902	-109.1860256	36.59529825	10/20/2012	113719	1825.34	NMEA 0183	12	2
662250.963	4051502.165	30,000	-0.451659902	-109.1861236	36.5952239	10/20/2012	113730	1825.42	NMEA 0183	12	2
662240.4938	4051480.694	30,000	-0.451659902	-109.1862451	36.59503222	10/20/2012	113816	1824.64	NMEA 0183	12	2
662253.2942	4051499.403	30,000	-0.451659902	-109.1860981	36.59519862	10/20/2012	113839	1825.4	NMEA 0183	12	2
662258.2972	4051504.906	30,000	-0.451659902	-109.1860411	36.59524735	10/20/2012	113846	1825.16	NMEA 0183	12	2
662261.8299	4051508.343	30,000	-0.451659902	-109.1860009	36.59527772	10/20/2012	113851	1825.26	NMEA 0183	12	2
662243.6231	4051475.158	30,000	-0.451659902	-109.1862113	36.5949818	10/20/2012	114016	1824.75	NMEA 0183	12	2
662269.7529	4051506.199	30,000	-0.451659902	-109.1859128	36.59525705	10/20/2012	114127	1825.22	NMEA 0183	12	2
662275.52	4051501.492	30,000	-0.451659902	-109.1858493	36.59521365	10/20/2012	114323	1824.91	NMEA 0183	12	2
662263.7086	4051484.834	30,000	-0.451659902	-109.1859848	36.59506557	10/20/2012	114346	1824.57	NMEA 0183	12	2
662267.1693	4051482.441	30,000	-0.451659902	-109.1859467	36.59504342	10/20/2012	114438	1824.47	NMEA 0183	12	2
662284.83	4051508.522	30,000	-0.451659902	-109.1857438	36.59527542	10/20/2012	114511	1825.21	NMEA 0183	12	2
662285.7484	4051498.511	30,000	-0.451659902	-109.1857357	36.59518505	10/20/2012	114714	1824.94	NMEA 0183	12	2
662284.2698	4051493.165	30,000	-0.451659902	-109.1857533	36.59513713	10/20/2012	114737	1824.81	NMEA 0183	12	2
662314.2016	4051525.295	30,000	-0.451659902	-109.1854121	36.59542155	10/20/2012	114912	1825.98	NMEA 0183	12	2
662316.4837	4051520.634	30,000	-0.451659902	-109.1853875	36.59537917	10/20/2012	114919	1825.99	NMEA 0183	12	2
662313.5165	4051507.714	30,000	-0.451659902	-109.1854234	36.59526325	10/20/2012	115015	1825.61	NMEA 0183	12	2
662270.5972	4051480.048	30,000	-0.451659902	-109.1859089	36.59502127	10/20/2012	115125	1824.68	NMEA 0183	12	2
662289.0609	4051490.222	30,100	-0.399625351	-109.1857004	36.5951098	10/20/2012	102643	1825.49	NMEA 0183	12	2
662340.1329	4051533.666	30,100	-0.399625351	-109.1851205	36.59549257	10/20/2012	102750	1826.54	NMEA 0183	12	2
662342.4391	4051535.704	30,100	-0.399625351	-109.1850943	36.59551053	10/20/2012	102753	1826.53	NMEA 0183	12	2
662349.7953	4051549.433	30,100	-0.399625351	-109.1850092	36.59563298	10/20/2012	102940	1827.12	NMEA 0183	12	2
662342.2984	4051546.622	30,100	-0.399625351	-109.1850936	36.59560893	10/20/2012	103012	1827.63	NMEA 0183	12	2
662342.3594	4051546.63	30,100	-0.399625351	-109.1850929	36.595609	10/20/2012	103032	1827.44	NMEA 0183	12	2
662329.2103	4051535.896	30,100	-0.399625351	-109.1852421	36.59551452	10/20/2012	103110	1827.01	NMEA 0183	12	2
662328.0889	4051538.489	30,100	-0.399625351	-109.1852541	36.59553807	10/20/2012	103140	1827.12	NMEA 0183	12	2
662333.8365	4051545.236	30,100	-0.399625351	-109.1851884	36.59559788	10/20/2012	103149	1827.54	NMEA 0183	12	2
662335.647	4051546.746	30,100	-0.399625351	-109.1851679	36.59561118	10/20/2012	103152	1827.81	NMEA 0183	12	2
662339.9272	4051551.505	30,100	-0.399625351	-109.1851191	36.59565333	10/20/2012	103206	1828.69	NMEA 0183	12	2
662344.3987	4051562.241	30,100	-0.399625351	-109.1850668	36.59574932	10/20/2012	103421	1827.93	NMEA 0183	12	2
662325.4775	4051551.899	30,100	-0.399625351	-109.1852804	36.59565935	10/20/2012	103457	1826.95	NMEA 0183	12	2
662321.7031	4051545.16	30,100	-0.399625351	-109.185324	36.59559927	10/20/2012	103505	1826.88	NMEA 0183	12	2
662318.1399	4051543.102	30,100	-0.399625351	-109.1853643	36.59558133	10/20/2012	103510	1826.53	NMEA 0183	12	2
662339.7599	4051563.915	30,100	-0.399625351	-109.1851183	36.59576518	10/20/2012	103617	1827.95	NMEA 0183	12	2
662344.9875	4051570.473	30,100	-0.399625351	-109.1850585	36.59582338	10/20/2012	103633	1827.33	NMEA 0183	12	2
662349.3462	4051570.522	30,100	-0.399625351	-109.1850098	36.59582308	10/20/2012	103643	1826.9	NMEA 0183	12	2
662342.0499	4051569.966	30,100	-0.399625351	-109.1850914	36.59581932	10/20/2012	103703	1827.63	NMEA 0183	12	2
662332.6217	4051570.62	30,100	-0.399625351	-109.1851967	36.59582682	10/20/2012	103842	1827.63	NMEA 0183	12	2
662335.9295	4051574.82	30,100	-0.399625351	-109.1851588	36.5958641	10/20/2012	103848	1828.35	NMEA 0183	12	2
662335.8801	4051577.912	30,100	-0.399625351	-109.1851587	36.59589197	10/20/2012	103912	1829.72	NMEA 0183	12	2
662334.0702	4051572.974	30,100	-0.399625351	-109.18518	36.59584778	10/20/2012	103927	1827.84	NMEA 0183	12	2
662332.5665	4051571.253	30,100	-0.399625351	-109.1851971	36.59583253	10/20/2012	103937	1827.68	NMEA 0183	12	2
662321.4316	4051561.741	30,100	-0.399625351	-109.1853236	36.59574872	10/20/2012	104004	1826.87	NMEA 0183	12	2
662334.2727	4051585.071	30,100	-0.399625351	-109.1851752	36.59595675	10/20/2012	104136	1830.46	NMEA 0183	12	2
662328.3917	4051578.52	30,100	-0.399625351	-109.1852423	36.59589872	10/20/2012	104210	1829.7	NMEA 0183	12	2
662326.439	4051573.722	30,100	-0.399625351	-109.1852651	36.59585582	10/20/2012	104217	1827.91	NMEA 0183	12	2
662309.4624	4051556.685	30,100	-0.399625351	-109.1854584	36.5957052	10/20/2012	104315	1827.1	NMEA 0183	12	2
662319.8479	4051572.628	30,100	-0.399625351	-109.185339	36.59584708	10/20/2012	104341	1828.66	NMEA 0183	12	2
662323.8264	4051577.013	30,100	-0.399625351	-109.1852936	36.59588592	10/20/2012	104409	1829.06	NMEA 0183	12	2
662324.9969	4051578.53	30,100	-0.399625351	-109.1852802	36.59589938	10/20/2012	104413	1829.3	NMEA 0183	12	2
662316.2004	4051572.825	30,100	-0.399625351	-109.1853797	36.59584948	10/20/2012	104549	1828.46	NMEA 0183	12	2
662317.7946	4051578.915	30,100	-0.399625351	-109.1853606	36.59590408	10/20/2012	104613	1828.31	NMEA 0183	12	2
662321.4639	4051589.326	30,100	-0.399625351	-109.1853174	36.59599727	10/20/2012	104641	1830.69	NMEA 0183	12	2
662318.6199	4051592.948	30,100	-0.399625351	-109.1853484	36.59603038	10/20/2012	104715	1830.66	NMEA 0183	12	2
662326.1596	4051599.488	30,100	-0.399625351	-109.1852628	36.59608803	10/20/2012	104809	1830.57	NMEA 0183	12	2
662328.9852	4051591.716	30,100	-0.399625351	-109.1852328	36.59601752	10/20/2012	104913	1830.63	NMEA 0183	12	2
662329.0716	4051591.56	30,100	-0.399625351	-109.1852319	36.5960161	10/20/2012	104934	1830.76	NMEA 0183	12	2
662329.0626	4051591.564	30,100	-0.399625351	-109.185232	36.59601613	10/20/2012	104947	1830.92	NMEA 0183	12	2
662329.3787	4051591.255	30,100	-0.399625351	-109.1852285	36.5960133	10/20/2012	105029	1831.01	NMEA 0183	12	2
662329.4346	4051591.056	30,100	-0.399625351	-109.185228	36.5960115	10/20/2012	105117	1830.96	NMEA 0183	12	2
662329.3806	4051590.996	30,100	-0.399625351	-109.1852286	36.59601097	10/20/2012	105122	1830.17	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662330.2998	4051591.049	30,100	-0.399625351	-109.1852183	36.59601128	10/20/2012	105142	1830.84	NMEA 0183	12	2
662330.4731	4051591.037	30,100	-0.399625351	-109.1852164	36.59601115	10/20/2012	105231	1830.9	NMEA 0183	12	2
662330.4625	4051590.963	30,100	-0.399625351	-109.1852165	36.59601048	10/20/2012	105234	1830.92	NMEA 0183	12	2
662328.9272	4051592.099	30,100	-0.399625351	-109.1852334	36.59602098	10/20/2012	105331	1830.74	NMEA 0183	12	2
662329.5162	4051595.58	30,100	-0.399625351	-109.1852261	36.59605225	10/20/2012	105343	1830.92	NMEA 0183	12	2
662326.0608	4051601.009	30,100	-0.399625351	-109.1852636	36.59610175	10/20/2012	105415	1830.59	NMEA 0183	12	2
662312.8256	4051559.932	30,100	-0.399625351	-109.1854201	36.59573388	10/20/2012	105653	1826.43	NMEA 0183	12	2
662315.2239	4051552.903	30,100	-0.399625351	-109.1853948	36.59567013	10/20/2012	105749	1826.45	NMEA 0183	12	2
662315.2375	4051552.895	30,100	-0.399625351	-109.1853947	36.59567007	10/20/2012	105805	1826.53	NMEA 0183	12	2
662313.1925	4051552.113	30,100	-0.399625351	-109.1854177	36.59566337	10/20/2012	105914	1826.49	NMEA 0183	12	2
662309.5098	4051566.497	30,100	-0.399625351	-109.1854558	36.5957936	10/20/2012	105939	1827.07	NMEA 0183	12	2
662305.9199	4051558.749	30,100	-0.399625351	-109.1854975	36.5957244	10/20/2012	110212	1827.14	NMEA 0183	12	2
662297.038	4051551.009	30,100	-0.399625351	-109.1855984	36.59565617	10/20/2012	110425	1826.51	NMEA 0183	12	2
662293.2979	4051553.426	30,100	-0.399625351	-109.1856397	36.59567858	10/20/2012	110541	1826.51	NMEA 0183	12	2
662286.7751	4051558.033	30,100	-0.399625351	-109.1857116	36.5957212	10/20/2012	110836	1826.88	NMEA 0183	12	2
662282.1751	4051567.995	30,100	-0.399625351	-109.1857609	36.59581175	10/20/2012	110851	1827.34	NMEA 0183	12	2
662284.9541	4051522.486	30,100	-0.399625351	-109.1857395	36.59540122	10/20/2012	111807	1825.43	NMEA 0183	12	2
662272.5346	4051536.69	30,100	-0.399625351	-109.1858753	36.59553132	10/20/2012	112002	1827.21	NMEA 0183	12	2
662259.2799	4051567.404	30,100	-0.399625351	-109.1860169	36.59581032	10/20/2012	112204	1829.44	NMEA 0183	12	2
662261.2965	4051566.452	30,100	-0.399625351	-109.1859946	36.5958014	10/20/2012	112209	1829.34	NMEA 0183	12	2
662257.5527	4051566.698	30,100	-0.399625351	-109.1860363	36.59580425	10/20/2012	112219	1829.59	NMEA 0183	12	2
662258.4681	4051559.685	30,100	-0.399625351	-109.1860276	36.5957409	10/20/2012	112233	1830.3	NMEA 0183	12	2
662259.8788	4051558.357	30,100	-0.399625351	-109.1860121	36.5957287	10/20/2012	112236	1830.02	NMEA 0183	12	2
662272.7872	4051538.319	30,100	-0.399625351	-109.1858721	36.59554595	10/20/2012	112312	1827.08	NMEA 0183	12	2
662276.5357	4051525.425	30,100	-0.399625351	-109.1858329	36.59542913	10/20/2012	112336	1827.18	NMEA 0183	12	2
662291.4646	4051499.34	30,100	-0.399625351	-109.1856716	36.59519155	10/20/2012	112422	1825.02	NMEA 0183	12	2
662266.7441	4051527.948	30,100	-0.399625351	-109.1859418	36.59545353	10/20/2012	112522	1825.4	NMEA 0183	12	2
662268.4493	4051538.907	30,100	-0.399625351	-109.1859204	36.59555198	10/20/2012	112559	1826.51	NMEA 0183	12	2
662257.622	4051553.232	30,100	-0.399625351	-109.1860384	36.5956829	10/20/2012	112650	1826.94	NMEA 0183	12	2
662257.8371	4051553.215	30,100	-0.399625351	-109.186036	36.59568272	10/20/2012	112652	1826.97	NMEA 0183	12	2
662257.7852	4051553.353	30,100	-0.399625351	-109.1860366	36.59568397	10/20/2012	112657	1826.78	NMEA 0183	12	2
662250.6148	4051563.665	30,100	-0.399625351	-109.1861145	36.5957781	10/20/2012	112753	1826.83	NMEA 0183	12	2
662250.481	4051562.615	30,100	-0.399625351	-109.1861162	36.59576867	10/20/2012	112955	1826.72	NMEA 0183	12	2
662250.5983	4051562.566	30,100	-0.399625351	-109.1861149	36.5957682	10/20/2012	112958	1826.72	NMEA 0183	12	2
662250.6416	4051562.561	30,100	-0.399625351	-109.1861144	36.59576815	10/20/2012	113004	1826.68	NMEA 0183	12	2
662253.6528	4051525.676	30,100	-0.399625351	-109.1860886	36.59543528	10/20/2012	113205	1826.27	NMEA 0183	12	2
662244.5278	4051510.588	30,100	-0.399625351	-109.1861937	36.59530088	10/20/2012	113223	1825.82	NMEA 0183	12	2
662268.9858	4051534.664	30,100	-0.399625351	-109.1859153	36.59551367	10/20/2012	113437	1826.77	NMEA 0183	12	2
662229.5888	4051481.121	30,100	-0.399625351	-109.1863669	36.59503792	10/20/2012	113554	1824.77	NMEA 0183	12	2
662256.0783	4051506.858	30,100	-0.399625351	-109.1860654	36.59526532	10/20/2012	113724	1825.43	NMEA 0183	12	2
662235.4302	4051477.608	30,100	-0.399625351	-109.1863023	36.59500527	10/20/2012	113758	1824.58	NMEA 0183	12	2
662244.1164	4051485.999	30,100	-0.399625351	-109.1862035	36.5950794	10/20/2012	113824	1824.9	NMEA 0183	12	2
662262.0158	4051504.498	30,100	-0.399625351	-109.1859996	36.59524303	10/20/2012	113929	1825.47	NMEA 0183	12	2
662258.8875	4051498.605	30,100	-0.399625351	-109.1860358	36.59519047	10/20/2012	113935	1825.49	NMEA 0183	12	2
662273.031	4051515.537	30,100	-0.399625351	-109.1858742	36.59534063	10/20/2012	114107	1825.27	NMEA 0183	12	2
662273.6472	4051516.474	30,100	-0.399625351	-109.1858671	36.59534897	10/20/2012	114108	1825.32	NMEA 0183	12	2
662277.5242	4051511.229	30,100	-0.399625351	-109.1858249	36.59530105	10/20/2012	114259	1825.19	NMEA 0183	12	2
662274.5847	4051499.443	30,100	-0.399625351	-109.1858602	36.59519535	10/20/2012	114326	1824.96	NMEA 0183	12	2
662269.3183	4051491.934	30,100	-0.399625351	-109.1859206	36.59512858	10/20/2012	114337	1824.69	NMEA 0183	12	2
662283.6356	4051506.371	30,100	-0.399625351	-109.1857576	36.59525623	10/20/2012	114508	1825	NMEA 0183	12	2
662284.4028	4051507.92	30,100	-0.399625351	-109.1857487	36.59527007	10/20/2012	114510	1825.17	NMEA 0183	12	2
662280.5482	4051495.079	30,100	-0.399625351	-109.1857945	36.59515502	10/20/2012	114532	1824.78	NMEA 0183	12	2
662268.8798	4051482.533	30,100	-0.399625351	-109.1859275	36.59504395	10/20/2012	114551	1824.45	NMEA 0183	12	2
662284.0182	4051490.138	30,100	-0.399625351	-109.1857568	36.5951099	10/20/2012	114654	1825	NMEA 0183	12	2
662288.9446	4051493.305	30,100	-0.399625351	-109.185701	36.5951376	10/20/2012	114707	1824.7	NMEA 0183	12	2
662285.1738	4051493.554	30,100	-0.399625351	-109.1857431	36.59514048	10/20/2012	114738	1824.87	NMEA 0183	12	2
662287.1349	4051494.199	30,100	-0.399625351	-109.1857211	36.59514597	10/20/2012	114740	1824.8	NMEA 0183	12	2
662318.9578	4051516.382	30,100	-0.399625351	-109.1853608	36.59534043	10/20/2012	115001	1825.85	NMEA 0183	12	2
662326.7562	4051534.03	30,200	-0.3475908	-109.1852699	36.59549812	10/20/2012	103113	1826.53	NMEA 0183	12	2
662335.2316	4051546.313	30,200	-0.3475908	-109.1851726	36.59560735	10/20/2012	103151	1827.81	NMEA 0183	12	2
662348.559	4051563.556	30,200	-0.3475908	-109.1850201	36.59576045	10/20/2012	103415	1827.57	NMEA 0183	12	2
662331.3305	4051562.228	30,200	-0.3475908	-109.1852129	36.59575142	10/20/2012	103605	1826.88	NMEA 0183	12	2
662335.9576	4051564.174	30,200	-0.3475908	-109.1851607	36.59576817	10/20/2012	103612	1827.74	NMEA 0183	12	2
662319.2309	4051555.072	30,200	-0.3475908	-109.1853496	36.595689	10/20/2012	103822	1826.73	NMEA 0183	12	2
662330.5794	4051568.351	30,200	-0.3475908	-109.185222	36.59580672	10/20/2012	103839	1827.5	NMEA 0183	12	2
662331.2782	4051568.943	30,200	-0.3475908	-109.185212	36.59581193	10/20/2012	103840	1827.61	NMEA 0183	12	2
662330.7192	4051578.085	30,200	-0.3475908	-109.1852163	36.5958944	10/20/2012	104125	1830.19	NMEA 0183	12	2
662335.2807	4051585.246	30,200	-0.3475908	-109.1851639	36.59595815	10/20/2012	104139	1830.35	NMEA 0183	12	2
662310.2516	4051557.229	30,200	-0.3475908	-109.1854495	36.59570997	10/20/2012	104316	1826.83	NMEA 0183	12	2
662318.2807	4051566.446	30,200	-0.3475908	-109.1853578	36.59579165	10/20/2012	104329	1827.43	NMEA 0183	12	2
662318.8729	4051568.731	30,200	-0.3475908	-109.1853507	36.59581213	10/20/2012	104335	1827.58	NMEA 0183	12	2
662319.1125	4051569.159	30,200	-0.3475908	-109.1853479	36.59581595	10/20/2012	104336	1827.61	NMEA 0183	12	2
662330.9045	4051592.277	30,200	-0.3475908	-109.1852113	36.59602225	10/20/2012	104437	1830.89	NMEA 0183	12	2
662325.8299	4051594.517	30,200	-0.3475908	-109.1852675	36.5960433	10/20/2012	104512	1830.82	NMEA 0183	12	2
662323.0529	4051585.117	30,200	-0.3475908	-109.1853005	36.59595907	10/20/2012	104525	1829.74	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662320.3146	4051585.503	30,200	-0.3475908	-109.185331	36.59596302	10/20/2012	104630	1830.15	NMEA 0183	12	2
662321.8518	4051587.508	30,200	-0.3475908	-109.1853134	36.59598082	10/20/2012	104634	1830.82	NMEA 0183	12	2
662318.2354	4051593.88	30,200	-0.3475908	-109.1853525	36.59603885	10/20/2012	104711	1830.89	NMEA 0183	12	2
662329.0299	4051591.715	30,200	-0.3475908	-109.1852323	36.5960175	10/20/2012	104920	1830.73	NMEA 0183	12	2
662329.0926	4051591.555	30,200	-0.3475908	-109.1852317	36.59601605	10/20/2012	104933	1830.74	NMEA 0183	12	2
662328.7025	4051591.599	30,200	-0.3475908	-109.185236	36.59601652	10/20/2012	105012	1831.09	NMEA 0183	12	2
662330.0891	4051590.913	30,200	-0.3475908	-109.1852207	36.5960101	10/20/2012	105202	1830.82	NMEA 0183	12	2
662330.0173	4051591.004	30,200	-0.3475908	-109.1852215	36.59601093	10/20/2012	105205	1830.78	NMEA 0183	12	2
662327.2688	4051597.776	30,200	-0.3475908	-109.1852507	36.59607242	10/20/2012	105359	1830.68	NMEA 0183	12	2
662321.6661	4051599.866	30,200	-0.3475908	-109.1853129	36.5960922	10/20/2012	105441	1829.52	NMEA 0183	12	2
662312.6514	4051571.049	30,200	-0.3475908	-109.1854197	36.59583408	10/20/2012	105630	1826.75	NMEA 0183	12	2
662313.4987	4051555.408	30,200	-0.3475908	-109.1854136	36.595693	10/20/2012	105701	1826.3	NMEA 0183	12	2
662314.0956	4051554.442	30,200	-0.3475908	-109.1854071	36.5956842	10/20/2012	105703	1826.25	NMEA 0183	12	2
662315.2224	4051552.906	30,200	-0.3475908	-109.1853948	36.59567017	10/20/2012	105737	1826.42	NMEA 0183	12	2
662315.2314	4051552.901	30,200	-0.3475908	-109.1853947	36.59567012	10/20/2012	105751	1826.47	NMEA 0183	12	2
662315.2466	4051552.884	30,200	-0.3475908	-109.1853946	36.59566997	10/20/2012	105757	1826.58	NMEA 0183	12	2
662312.6172	4051555.724	30,200	-0.3475908	-109.1854233	36.595696	10/20/2012	105921	1826.49	NMEA 0183	12	2
662312.0708	4051558.277	30,200	-0.3475908	-109.1854289	36.5957191	10/20/2012	105925	1826.67	NMEA 0183	12	2
662312.0297	4051558.874	30,200	-0.3475908	-109.1854292	36.59572448	10/20/2012	105926	1826.66	NMEA 0183	12	2
662308.4736	4051564.896	30,200	-0.3475908	-109.1854677	36.59577935	10/20/2012	110029	1827.12	NMEA 0183	12	2
662308.6326	4051563.503	30,200	-0.3475908	-109.1854662	36.59576677	10/20/2012	110031	1827.08	NMEA 0183	12	2
662311.566	4051555.234	30,200	-0.3475908	-109.1854352	36.59569177	10/20/2012	110043	1826.83	NMEA 0183	12	2
662307.754	4051555.928	30,200	-0.3475908	-109.1854776	36.59569867	10/20/2012	110054	1828.06	NMEA 0183	12	2
662303.8932	4051567.025	30,200	-0.3475908	-109.1855184	36.59579932	10/20/2012	110157	1827.33	NMEA 0183	12	2
662299.2352	4051574.375	30,200	-0.3475908	-109.1855689	36.59586633	10/20/2012	110320	1828.03	NMEA 0183	12	2
662299.0763	4051574.417	30,200	-0.3475908	-109.1855707	36.59586673	10/20/2012	110321	1827.98	NMEA 0183	12	2
662282.7287	4051576.041	30,200	-0.3475908	-109.185753	36.59588415	10/20/2012	110921	1827.99	NMEA 0183	12	2
662279.8559	4051560.963	30,200	-0.3475908	-109.1857883	36.59574878	10/20/2012	110953	1827	NMEA 0183	12	2
662293.5495	4051537.022	30,200	-0.3475908	-109.1856404	36.59553073	10/20/2012	111031	1826.84	NMEA 0183	12	2
662304.9135	4051517.821	30,200	-0.3475908	-109.1855174	36.59535578	10/20/2012	111104	1826.25	NMEA 0183	12	2
662299.4066	4051509.939	30,200	-0.3475908	-109.1855806	36.5952857	10/20/2012	111500	1825.2	NMEA 0183	12	2
662267.5546	4051567.963	30,200	-0.3475908	-109.1859243	36.59581395	10/20/2012	111705	1827.26	NMEA 0183	12	2
662293.4256	4051501.175	30,200	-0.3475908	-109.1856493	36.59520775	10/20/2012	111854	1824.7	NMEA 0183	12	2
662272.635	4051539.983	30,200	-0.3475908	-109.1858734	36.59556097	10/20/2012	112310	1827.09	NMEA 0183	12	2
662276.9329	4051526.589	30,200	-0.3475908	-109.1858282	36.59543955	10/20/2012	112333	1827.5	NMEA 0183	12	2
662288.4584	4051496.222	30,200	-0.3475908	-109.1857059	36.59516397	10/20/2012	112432	1824.78	NMEA 0183	12	2
662269.8639	4051524.097	30,200	-0.3475908	-109.1859078	36.5954183	10/20/2012	112514	1825.31	NMEA 0183	12	2
662266.498	4051529.845	30,200	-0.3475908	-109.1859442	36.59547067	10/20/2012	112525	1825.42	NMEA 0183	12	2
662263.5237	4051545.894	30,200	-0.3475908	-109.185974	36.59561578	10/20/2012	112627	1826.66	NMEA 0183	12	2
662257.0634	4051553.271	30,200	-0.3475908	-109.1860446	36.59568335	10/20/2012	112645	1826.84	NMEA 0183	12	2
662255.6018	4051555.398	30,200	-0.3475908	-109.1860605	36.59570277	10/20/2012	112708	1826.74	NMEA 0183	12	2
662255.5004	4051556.029	30,200	-0.3475908	-109.1860615	36.59570847	10/20/2012	112711	1826.74	NMEA 0183	12	2
662253.3724	4051558.774	30,200	-0.3475908	-109.1860847	36.59573357	10/20/2012	112730	1826.69	NMEA 0183	12	2
662250.7314	4051563.652	30,200	-0.3475908	-109.1861132	36.59577797	10/20/2012	112801	1826.77	NMEA 0183	12	2
662249.5496	4051563.682	30,200	-0.3475908	-109.1861264	36.59577843	10/20/2012	112852	1826.23	NMEA 0183	12	2
662250.6841	4051563.231	30,200	-0.3475908	-109.1861138	36.59577418	10/20/2012	112903	1827.02	NMEA 0183	12	2
662250.5307	4051562.513	30,200	-0.3475908	-109.1861157	36.59576773	10/20/2012	112919	1827.01	NMEA 0183	12	2
662250.6567	4051562.471	30,200	-0.3475908	-109.1861143	36.59576733	10/20/2012	112956	1826.66	NMEA 0183	12	2
662250.7779	4051562.53	30,200	-0.3475908	-109.1861129	36.59576785	10/20/2012	113015	1826.65	NMEA 0183	12	2
662250.7656	4051562.628	30,200	-0.3475908	-109.186113	36.59576873	10/20/2012	113024	1826.8	NMEA 0183	12	2
662249.7392	4051561.14	30,200	-0.3475908	-109.1861248	36.5957555	10/20/2012	113036	1826.49	NMEA 0183	12	2
662245.5644	4051552.534	30,200	-0.3475908	-109.1861733	36.59567867	10/20/2012	113122	1826.54	NMEA 0183	12	2
662254.2287	4051528.038	30,200	-0.3475908	-109.1860816	36.59545647	10/20/2012	113202	1826.18	NMEA 0183	12	2
662243.3962	4051509.455	30,200	-0.3475908	-109.1862066	36.59529087	10/20/2012	113225	1825.96	NMEA 0183	12	2
662229.7209	4051488.896	30,200	-0.3475908	-109.1863638	36.59510795	10/20/2012	113302	1825.09	NMEA 0183	12	2
662219.8008	4051485.185	30,200	-0.3475908	-109.1864754	36.5950762	10/20/2012	113323	1825.27	NMEA 0183	12	2
662225.0105	4051488.199	30,200	-0.3475908	-109.1864165	36.59510247	10/20/2012	113332	1825.27	NMEA 0183	12	2
662255.3915	4051523.485	30,200	-0.3475908	-109.1860696	36.59541525	10/20/2012	113417	1825.49	NMEA 0183	12	2
662264.8856	4051513.338	30,200	-0.3475908	-109.1859657	36.5953222	10/20/2012	113857	1825.62	NMEA 0183	12	2
662254.4009	4051491.11	30,200	-0.3475908	-109.1860875	36.5951237	10/20/2012	113943	1825.31	NMEA 0183	12	2
662249.5558	4051480.873	30,200	-0.3475908	-109.1861438	36.59503228	10/20/2012	114024	1824.85	NMEA 0183	12	2
662259.4733	4051494.361	30,200	-0.3475908	-109.1860301	36.59515213	10/20/2012	114042	1825.21	NMEA 0183	12	2
662250.7334	4051474.194	30,200	-0.3475908	-109.1861321	36.5949719	10/20/2012	114214	1824.56	NMEA 0183	12	2
662260.9837	4051481.986	30,200	-0.3475908	-109.1860159	36.59504037	10/20/2012	114350	1824.53	NMEA 0183	12	2
662280.3401	4051494.328	30,200	-0.3475908	-109.185797	36.59514828	10/20/2012	114533	1824.84	NMEA 0183	12	2
662308.9926	4051526.991	30,200	-0.3475908	-109.1854699	36.59543772	10/20/2012	114838	1826.1	NMEA 0183	12	2
662314.1399	4051526.903	30,200	-0.3475908	-109.1854124	36.59543605	10/20/2012	114910	1826.18	NMEA 0183	12	2
662289.7751	4051493.08	30,200	-0.3475908	-109.1856918	36.59513543	10/20/2012	115048	1824.85	NMEA 0183	12	2
662284.3127	4051489.474	30,200	-0.3475908	-109.1857536	36.59510387	10/20/2012	115056	1825.35	NMEA 0183	12	2
662264.3046	4051471.749	30,300	-0.295556249	-109.1859809	36.59494757	10/20/2012	102559	1825.07	NMEA 0183	12	2
662268.1789	4051476.367	30,300	-0.295556249	-109.1859367	36.59498852	10/20/2012	102619	1825.14	NMEA 0183	12	2
662312.7625	4051507.439	30,300	-0.295556249	-109.1854319	36.5952609	10/20/2012	102710	1826.04	NMEA 0183	12	2
662330.8493	4051529.35	30,300	-0.295556249	-109.1852252	36.59545525	10/20/2012	102852	1826.36	NMEA 0183	12	2
662341.9419	4051546.467	30,300	-0.295556249	-109.1850976	36.5956076	10/20/2012	103047	1827.53	NMEA 0183	12	2
662319.7433	4051527.074	30,300	-0.295556249	-109.1853498	36.59543663	10/20/2012	103122	1826.11	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662331.7829	4051542.38	30,300	-0.295556249	-109.185212	36.5955725	10/20/2012	103145	1827.37	NMEA 0183	12	2
662316.3154	4051530.806	30,300	-0.295556249	-109.1853873	36.59547085	10/20/2012	103315	1826.83	NMEA 0183	12	2
662320.7813	4051538.767	30,300	-0.295556249	-109.1853357	36.59554182	10/20/2012	103334	1827.88	NMEA 0183	12	2
662339.3999	4051559.522	30,300	-0.295556249	-109.1851233	36.59572567	10/20/2012	103430	1828.21	NMEA 0183	12	2
662332.6269	4051557.234	30,300	-0.295556249	-109.1851994	36.5957062	10/20/2012	103441	1827.81	NMEA 0183	12	2
662323.2054	4051551.379	30,300	-0.295556249	-109.1853059	36.59565505	10/20/2012	103541	1826.68	NMEA 0183	12	2
662344.4883	4051571.712	30,300	-0.295556249	-109.1850638	36.59583463	10/20/2012	103631	1827.59	NMEA 0183	12	2
662348.4709	4051573.039	30,300	-0.295556249	-109.185019	36.59584592	10/20/2012	103653	1827.2	NMEA 0183	12	2
662318.6114	4051554.148	30,300	-0.295556249	-109.1853567	36.59568078	10/20/2012	103821	1826.7	NMEA 0183	12	2
662328.3839	4051565.986	30,300	-0.295556249	-109.185245	36.59578578	10/20/2012	103836	1827.47	NMEA 0183	12	2
662336.4305	4051575.618	30,300	-0.295556249	-109.185153	36.5958712	10/20/2012	103850	1828.63	NMEA 0183	12	2
662340.2991	4051579.821	30,300	-0.295556249	-109.1851089	36.59590842	10/20/2012	103858	1829.36	NMEA 0183	12	2
662333.6674	4051577.482	30,300	-0.295556249	-109.1851835	36.59588847	10/20/2012	103916	1828.86	NMEA 0183	12	2
662334.2191	4051573.066	30,300	-0.295556249	-109.1851783	36.59584858	10/20/2012	103926	1827.82	NMEA 0183	12	2
662333.0514	4051571.479	30,300	-0.295556249	-109.1851917	36.59583448	10/20/2012	103933	1827.66	NMEA 0183	12	2
662328.9666	4051570.274	30,300	-0.295556249	-109.1852376	36.59582432	10/20/2012	103946	1827.85	NMEA 0183	12	2
662310.5102	4051554.436	30,300	-0.295556249	-109.1854472	36.59568475	10/20/2012	104245	1826.89	NMEA 0183	12	2
662318.6843	4051570.664	30,300	-0.295556249	-109.1853524	36.59582958	10/20/2012	104338	1828.03	NMEA 0183	12	2
662322.4888	4051577.158	30,300	-0.295556249	-109.1853085	36.59588745	10/20/2012	104352	1828.73	NMEA 0183	12	2
662324.5258	4051579.621	30,300	-0.295556249	-109.1852852	36.5959093	10/20/2012	104401	1829.53	NMEA 0183	12	2
662324.9354	4051580.837	30,300	-0.295556249	-109.1852804	36.59592018	10/20/2012	104416	1829.71	NMEA 0183	12	2
662331.4946	4051590.257	30,300	-0.295556249	-109.1852051	36.59600395	10/20/2012	104432	1830.85	NMEA 0183	12	2
662326.465	4051588.215	30,300	-0.295556249	-109.1852617	36.5959864	10/20/2012	104444	1830.44	NMEA 0183	12	2
662318.3252	4051592.992	30,300	-0.295556249	-109.1853517	36.59603083	10/20/2012	104657	1830.7	NMEA 0183	12	2
662318.6596	4051593.058	30,300	-0.295556249	-109.1853479	36.59603137	10/20/2012	104716	1830.92	NMEA 0183	12	2
662323.2641	4051594.465	30,300	-0.295556249	-109.1852962	36.59604327	10/20/2012	104739	1831.21	NMEA 0183	12	2
662327.419	4051592.905	30,300	-0.295556249	-109.1852501	36.5960285	10/20/2012	104818	1830.53	NMEA 0183	12	2
662330.1349	4051586.514	30,300	-0.295556249	-109.1852211	36.59597045	10/20/2012	104837	1830.83	NMEA 0183	12	2
662329.3404	4051591.227	30,300	-0.295556249	-109.185229	36.59601305	10/20/2012	105024	1830.96	NMEA 0183	12	2
662329.5511	4051590.892	30,300	-0.295556249	-109.1852267	36.59601	10/20/2012	105119	1830.7	NMEA 0183	12	2
662330.3357	4051591.281	30,300	-0.295556249	-109.1852178	36.59601337	10/20/2012	105141	1830.82	NMEA 0183	12	2
662330.2201	4051590.925	30,300	-0.295556249	-109.1852192	36.59601018	10/20/2012	105253	1830.82	NMEA 0183	12	2
662321.6543	4051599.779	30,300	-0.295556249	-109.1853131	36.59609142	10/20/2012	105452	1829.5	NMEA 0183	12	2
662314.2819	4051580.588	30,300	-0.295556249	-109.1853995	36.59591975	10/20/2012	105604	1827.06	NMEA 0183	12	2
662313.078	4051558.411	30,300	-0.295556249	-109.1854176	36.59572013	10/20/2012	105656	1826.37	NMEA 0183	12	2
662313.0354	4051556.479	30,300	-0.295556249	-109.1854185	36.59570273	10/20/2012	105659	1826.34	NMEA 0183	12	2
662312.7849	4051555.215	30,300	-0.295556249	-109.1854216	36.59569138	10/20/2012	105920	1826.47	NMEA 0183	12	2
662310.4259	4051574.929	30,300	-0.295556249	-109.1854438	36.59586942	10/20/2012	105954	1827.83	NMEA 0183	12	2
662305.8187	4051575.955	30,300	-0.295556249	-109.185495	36.59587945	10/20/2012	110008	1827.99	NMEA 0183	12	2
662302.3678	4051576.086	30,300	-0.295556249	-109.1855336	36.59588122	10/20/2012	110137	1827.72	NMEA 0183	12	2
662302.4848	4051573.922	30,300	-0.295556249	-109.1855327	36.5958617	10/20/2012	110143	1827.5	NMEA 0183	12	2
662304.0198	4051566.958	30,300	-0.295556249	-109.185517	36.59579868	10/20/2012	110158	1827.32	NMEA 0183	12	2
662300.086	4051538.883	30,300	-0.295556249	-109.1855669	36.59554638	10/20/2012	110603	1826.73	NMEA 0183	12	2
662301.5092	4051523.385	30,300	-0.295556249	-109.1855543	36.59554065	10/20/2012	111051	1826.21	NMEA 0183	12	2
662303.9139	4051513.492	30,300	-0.295556249	-109.1855295	36.59531695	10/20/2012	111122	1825.91	NMEA 0183	12	2
662299.4934	4051504.475	30,300	-0.295556249	-109.1855808	36.59523645	10/20/2012	111518	1825.07	NMEA 0183	12	2
662279.7538	4051543.781	30,300	-0.295556249	-109.1857931	36.59559398	10/20/2012	111618	1826.91	NMEA 0183	12	2
662277.5302	4051550.879	30,300	-0.295556249	-109.1858164	36.59565832	10/20/2012	111627	1826.91	NMEA 0183	12	2
662281.5419	4051524.758	30,300	-0.295556249	-109.1857771	36.59542227	10/20/2012	111929	1825.7	NMEA 0183	12	2
662272.4402	4051539.951	30,300	-0.295556249	-109.1858756	36.59556072	10/20/2012	112007	1827.04	NMEA 0183	12	2
662261.9398	4051561.448	30,300	-0.295556249	-109.1859884	36.5957562	10/20/2012	112136	1828.7	NMEA 0183	12	2
662256.5146	4051563.695	30,300	-0.295556249	-109.1860486	36.59577737	10/20/2012	112226	1830.34	NMEA 0183	12	2
662276.2525	4051529.917	30,300	-0.295556249	-109.1858351	36.59546965	10/20/2012	112327	1827.89	NMEA 0183	12	2
662276.9046	4051527.14	30,300	-0.295556249	-109.1858284	36.59544452	10/20/2012	112332	1827.6	NMEA 0183	12	2
662286.9172	4051502.016	30,300	-0.295556249	-109.1857219	36.59521643	10/20/2012	112414	1824.84	NMEA 0183	12	2
662291.9755	4051495.661	30,300	-0.295556249	-109.1856667	36.59515832	10/20/2012	112427	1824.7	NMEA 0183	12	2
662281.7199	4051505.85	30,300	-0.295556249	-109.1857791	36.59525187	10/20/2012	112447	1824.99	NMEA 0183	12	2
662266.9798	4051539.48	30,300	-0.295556249	-109.1859367	36.5955574	10/20/2012	112618	1826.41	NMEA 0183	12	2
662255.2097	4051556.654	30,300	-0.295556249	-109.1860646	36.59571415	10/20/2012	112723	1826.84	NMEA 0183	12	2
662250.5356	4051563.28	30,300	-0.295556249	-109.1861155	36.59577465	10/20/2012	112902	1826.92	NMEA 0183	12	2
662250.7514	4051562.829	30,300	-0.295556249	-109.1861132	36.59577055	10/20/2012	112904	1827.05	NMEA 0183	12	2
662250.5069	4051562.588	30,300	-0.295556249	-109.1861159	36.59576842	10/20/2012	112911	1826.92	NMEA 0183	12	2
662250.5177	4051562.646	30,300	-0.295556249	-109.1861158	36.59576893	10/20/2012	112931	1826.94	NMEA 0183	12	2
662250.5852	4051562.547	30,300	-0.295556249	-109.1861151	36.59576803	10/20/2012	113000	1826.71	NMEA 0183	12	2
662250.1603	4051562.382	30,300	-0.295556249	-109.1861199	36.59576662	10/20/2012	113033	1826.95	NMEA 0183	12	2
662249.898	4051557.392	30,300	-0.295556249	-109.1861238	36.5957217	10/20/2012	113040	1826.23	NMEA 0183	12	2
662250.0092	4051555.215	30,300	-0.295556249	-109.1861231	36.59570207	10/20/2012	113042	1826.2	NMEA 0183	12	2
662252.8671	4051524.237	30,300	-0.295556249	-109.1860977	36.59542245	10/20/2012	113207	1826.2	NMEA 0183	12	2
662245.3084	4051511.348	30,300	-0.295556249	-109.1861848	36.5953076	10/20/2012	113222	1825.94	NMEA 0183	12	2
662224.4067	4051487.153	30,300	-0.295556249	-109.1864235	36.59509315	10/20/2012	113331	1825.28	NMEA 0183	12	2
662257.4439	4051526.247	30,300	-0.295556249	-109.1860461	36.59543978	10/20/2012	113420	1825.71	NMEA 0183	12	2
662265.0681	4051528.716	30,300	-0.295556249	-109.1859604	36.59546073	10/20/2012	113449	1825.54	NMEA 0183	12	2
662262.2439	4051527.414	30,300	-0.295556249	-109.1859922	36.59544948	10/20/2012	113452	1825.58	NMEA 0183	12	2
662256.1611	4051521.273	30,300	-0.295556249	-109.1860615	36.59539518	10/20/2012	113501	1825.66	NMEA 0183	12	2
662238.9703	4051502.3	30,300	-0.295556249	-109.1862576	36.59522715	10/20/2012	113525	1825.85	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662230.9534	4051492.978	30,300	-0.295556249	-109.1863491	36.59514452	10/20/2012	113538	1825.1	NMEA 0183	12	2
662260.6893	4051518.747	30,300	-0.295556249	-109.1860114	36.59537165	10/20/2012	113638	1825	NMEA 0183	12	2
662239.5678	4051480.205	30,300	-0.295556249	-109.1862556	36.59502797	10/20/2012	113807	1824.68	NMEA 0183	12	2
662263.7494	4051512.055	30,300	-0.295556249	-109.1859786	36.59531083	10/20/2012	113855	1825.18	NMEA 0183	12	2
662271.0549	4051517.82	30,300	-0.295556249	-109.1858958	36.59536153	10/20/2012	113914	1825.5	NMEA 0183	12	2
662261.4798	4051503.424	30,300	-0.295556249	-109.1860058	36.59523345	10/20/2012	113930	1825.41	NMEA 0183	12	2
662272.3179	4051507.726	30,300	-0.295556249	-109.1858838	36.59527037	10/20/2012	114124	1825.17	NMEA 0183	12	2
662262.5433	4051493.309	30,300	-0.295556249	-109.1859961	36.59514213	10/20/2012	114143	1825.13	NMEA 0183	12	2
662278.6578	4051512.725	30,300	-0.295556249	-109.1858119	36.59531433	10/20/2012	114301	1825.19	NMEA 0183	12	2
662258.019	4051477.537	30,300	-0.295556249	-109.1860499	36.59500078	10/20/2012	114355	1824.58	NMEA 0183	12	2
662279.0151	4051496.488	30,300	-0.295556249	-109.1858113	36.59516797	10/20/2012	114456	1824.73	NMEA 0183	12	2
662286.069	4051503.807	30,300	-0.295556249	-109.185731	36.59523272	10/20/2012	114520	1825.02	NMEA 0183	12	2
662284.4409	4051501.64	30,300	-0.295556249	-109.1857496	36.59521347	10/20/2012	114523	1825.01	NMEA 0183	12	2
662283.3809	4051491.504	30,300	-0.295556249	-109.1857636	36.59512232	10/20/2012	114656	1824.64	NMEA 0183	12	2
662286.5625	4051492.759	30,300	-0.295556249	-109.1857278	36.59513308	10/20/2012	114701	1824.7	NMEA 0183	12	2
662281.8339	4051492.155	30,300	-0.295556249	-109.1857807	36.59512845	10/20/2012	114733	1824.82	NMEA 0183	12	2
662320.8268	4051523.404	30,300	-0.295556249	-109.1853384	36.59540338	10/20/2012	114934	1826	NMEA 0183	12	2
662300.5181	4051504.47	30,300	-0.295556249	-109.1855694	36.59523623	10/20/2012	115029	1825.38	NMEA 0183	12	2
662286.2662	4051489.966	30,300	-0.295556249	-109.1857317	36.59510797	10/20/2012	115053	1824.97	NMEA 0183	12	2
662345.5566	4051538.685	30,400	-0.243521698	-109.1850589	36.59553687	10/20/2012	102757	1826.56	NMEA 0183	12	2
662339.2966	4051542.248	30,400	-0.243521698	-109.1851281	36.59557003	10/20/2012	102923	1828.09	NMEA 0183	12	2
662337.2684	4051548.476	30,400	-0.243521698	-109.1851494	36.5956265	10/20/2012	103159	1828.16	NMEA 0183	12	2
662333.072	4051552.701	30,400	-0.243521698	-109.1851954	36.59566528	10/20/2012	103357	1827.56	NMEA 0183	12	2
662339.9379	4051559.936	30,400	-0.243521698	-109.1851172	36.5957293	10/20/2012	103429	1828.25	NMEA 0183	12	2
662310.9927	4051537.812	30,400	-0.243521698	-109.1854453	36.59553488	10/20/2012	103521	1826.02	NMEA 0183	12	2
662323.3742	4051551.364	30,400	-0.243521698	-109.1853041	36.59565488	10/20/2012	103546	1826.7	NMEA 0183	12	2
662323.4242	4051551.402	30,400	-0.243521698	-109.1853035	36.59565522	10/20/2012	103550	1826.6	NMEA 0183	12	2
662326.009	4051555.587	30,400	-0.243521698	-109.1852737	36.59569248	10/20/2012	103556	1826.9	NMEA 0183	12	2
662332.852	4051562.693	30,400	-0.243521698	-109.1851958	36.59575535	10/20/2012	103607	1827.08	NMEA 0183	12	2
662345.4387	4051568.929	30,400	-0.243521698	-109.1850538	36.5958094	10/20/2012	103635	1827.11	NMEA 0183	12	2
662315.847	4051549.607	30,400	-0.243521698	-109.1853885	36.59564033	10/20/2012	103816	1826.54	NMEA 0183	12	2
662327.014	4051563.178	30,400	-0.243521698	-109.1852609	36.59576072	10/20/2012	103833	1827.23	NMEA 0183	12	2
662320.225	4051559.687	30,400	-0.243521698	-109.1853375	36.59573042	10/20/2012	104007	1826.86	NMEA 0183	12	2
662319.6516	4051564.382	30,400	-0.243521698	-109.1853429	36.59577822	10/20/2012	104233	1827.02	NMEA 0183	12	2
662308.8193	4051555.987	30,400	-0.243521698	-109.1854657	36.59569902	10/20/2012	104314	1827.5	NMEA 0183	12	2
662325.3792	4051590.19	30,400	-0.243521698	-109.1852735	36.59600438	10/20/2012	104454	1830.87	NMEA 0183	12	2
662329.9057	4051594.859	30,400	-0.243521698	-109.1852219	36.59604568	10/20/2012	104501	1830.9	NMEA 0183	12	2
662322.9999	4051586.026	30,400	-0.243521698	-109.1853009	36.59596727	10/20/2012	104524	1830.01	NMEA 0183	12	2
662320.3265	4051584.479	30,400	-0.243521698	-109.1853311	36.59595378	10/20/2012	104627	1830.09	NMEA 0183	12	2
662321.9918	4051588.467	30,400	-0.243521698	-109.1853117	36.59598943	10/20/2012	104636	1830.91	NMEA 0183	12	2
662320.4872	4051593.501	30,400	-0.243521698	-109.1853274	36.59603505	10/20/2012	104653	1831.24	NMEA 0183	12	2
662318.17	4051594.815	30,400	-0.243521698	-109.185353	36.59604728	10/20/2012	104707	1831.22	NMEA 0183	12	2
662329.0471	4051591.595	30,400	-0.243521698	-109.1852322	36.59601642	10/20/2012	104939	1830.84	NMEA 0183	12	2
662329.0428	4051591.583	30,400	-0.243521698	-109.1852322	36.59601632	10/20/2012	104955	1831	NMEA 0183	12	2
662328.7939	4051591.575	30,400	-0.243521698	-109.185235	36.59601628	10/20/2012	105011	1831.08	NMEA 0183	12	2
662328.768	4051591.604	30,400	-0.243521698	-109.1852353	36.59601655	10/20/2012	105017	1831.06	NMEA 0183	12	2
662329.5786	4051591.015	30,400	-0.243521698	-109.1852264	36.5960111	10/20/2012	105109	1830.93	NMEA 0183	12	2
662329.6143	4051591.017	30,400	-0.243521698	-109.185226	36.59601112	10/20/2012	105110	1830.92	NMEA 0183	12	2
662329.0859	4051591.279	30,400	-0.243521698	-109.1852318	36.59601357	10/20/2012	105123	1830.24	NMEA 0183	12	2
662330.2311	4051590.975	30,400	-0.243521698	-109.1852191	36.59601063	10/20/2012	105254	1830.77	NMEA 0183	12	2
662329.9887	4051590.939	30,400	-0.243521698	-109.1852218	36.59601035	10/20/2012	105307	1830.73	NMEA 0183	12	2
662314.8044	4051577.797	30,400	-0.243521698	-109.1853942	36.59589452	10/20/2012	105610	1827.05	NMEA 0183	12	2
662312.6391	4051571.859	30,400	-0.243521698	-109.1854197	36.59584138	10/20/2012	105623	1826.83	NMEA 0183	12	2
662312.5152	4051570.205	30,400	-0.243521698	-109.1854214	36.5958265	10/20/2012	105632	1826.76	NMEA 0183	12	2
662315.1148	4051552.917	30,400	-0.243521698	-109.185396	36.59567028	10/20/2012	105853	1826.5	NMEA 0183	12	2
662315.0941	4051552.907	30,400	-0.243521698	-109.1853963	36.5956702	10/20/2012	105856	1826.5	NMEA 0183	12	2
662308.4538	4051575.892	30,400	-0.243521698	-109.1854656	36.59587843	10/20/2012	110000	1828.32	NMEA 0183	12	2
662308.3099	4051554.133	30,400	-0.243521698	-109.1854718	36.5956824	10/20/2012	110050	1827.56	NMEA 0183	12	2
662307.5014	4051557.771	30,400	-0.243521698	-109.1854801	36.59571532	10/20/2012	110057	1827.86	NMEA 0183	12	2
662300.5071	4051550.15	30,400	-0.243521698	-109.1855598	36.59564783	10/20/2012	110412	1826.49	NMEA 0183	12	2
662300.5944	4051516.385	30,400	-0.243521698	-109.185566	36.59534358	10/20/2012	111154	1826.12	NMEA 0183	12	2
662295.2588	4051502.822	30,400	-0.243521698	-109.1856285	36.59522228	10/20/2012	111847	1824.78	NMEA 0183	12	2
662272.1936	4051541.874	30,400	-0.243521698	-109.185878	36.59557808	10/20/2012	112010	1827.11	NMEA 0183	12	2
662268.1051	4051549.236	30,400	-0.243521698	-109.1859221	36.59564512	10/20/2012	112254	1827.71	NMEA 0183	12	2
662285.9234	4051503.144	30,400	-0.243521698	-109.1857327	36.59522677	10/20/2012	112412	1824.81	NMEA 0183	12	2
662289.8093	4051495.219	30,400	-0.243521698	-109.185691	36.5951547	10/20/2012	112430	1824.69	NMEA 0183	12	2
662257.6328	4051553.369	30,400	-0.243521698	-109.1860383	36.59568413	10/20/2012	112659	1826.82	NMEA 0183	12	2
662257.8239	4051553.437	30,400	-0.243521698	-109.1860361	36.59568472	10/20/2012	112702	1826.88	NMEA 0183	12	2
662255.2315	4051556.688	30,400	-0.243521698	-109.1860644	36.59571445	10/20/2012	112725	1826.87	NMEA 0183	12	2
662252.0072	4051562.676	30,400	-0.243521698	-109.1860992	36.59576895	10/20/2012	112749	1827.27	NMEA 0183	12	2
662250.6736	4051563.633	30,400	-0.243521698	-109.1861139	36.5957778	10/20/2012	112806	1826.8	NMEA 0183	12	2
662250.5605	4051562.591	30,400	-0.243521698	-109.1861153	36.59576843	10/20/2012	112939	1826.75	NMEA 0183	12	2
662249.6964	4051559.301	30,400	-0.243521698	-109.1861257	36.59573893	10/20/2012	113038	1826.27	NMEA 0183	12	2
662219.989	4051486.276	30,400	-0.243521698	-109.1864731	36.595086	10/20/2012	113322	1825.21	NMEA 0183	12	2
662269.4857	4051530.619	30,400	-0.243521698	-109.1859106	36.59547713	10/20/2012	113443	1826.03	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662248.0378	4051510.245	30,400	-0.243521698	-109.1861546	36.5952972	10/20/2012	113514	1825.89	NMEA 0183	12	2
662239.7923	4051502.763	30,400	-0.243521698	-109.1862483	36.59523118	10/20/2012	113524	1825.58	NMEA 0183	12	2
662253.052	4051510.099	30,400	-0.243521698	-109.1860986	36.59529503	10/20/2012	113628	1825.27	NMEA 0183	12	2
662265.2546	4051526.973	30,400	-0.243521698	-109.1859587	36.595445	10/20/2012	113647	1824.9	NMEA 0183	12	2
662265.7265	4051517.858	30,400	-0.243521698	-109.1859553	36.59536278	10/20/2012	113710	1825.26	NMEA 0183	12	2
662236.3731	4051479.57	30,400	-0.243521698	-109.1862914	36.59502278	10/20/2012	113755	1824.69	NMEA 0183	12	2
662273.0718	4051521.746	30,400	-0.243521698	-109.1858724	36.59539657	10/20/2012	113910	1825.73	NMEA 0183	12	2
662271.5906	4051518.751	30,400	-0.243521698	-109.1858896	36.59536983	10/20/2012	113913	1825.55	NMEA 0183	12	2
662263.8985	4051507.002	30,400	-0.243521698	-109.185978	36.59526528	10/20/2012	113926	1825.49	NMEA 0183	12	2
662259.9443	4051500.459	30,400	-0.243521698	-109.1860236	36.595207	10/20/2012	113933	1825.45	NMEA 0183	12	2
662251.5545	4051490.192	30,400	-0.243521698	-109.1861195	36.59511592	10/20/2012	113946	1825.16	NMEA 0183	12	2
662249.8908	4051488.567	30,400	-0.243521698	-109.1861384	36.59510155	10/20/2012	113948	1825.07	NMEA 0183	12	2
662271.6809	4051513.657	30,400	-0.243521698	-109.1858897	36.59532392	10/20/2012	114105	1825.23	NMEA 0183	12	2
662280.3834	4051509.411	30,400	-0.243521698	-109.1857933	36.59528418	10/20/2012	114311	1825.16	NMEA 0183	12	2
662275.9718	4051502.053	30,400	-0.243521698	-109.1858442	36.59521863	10/20/2012	114322	1824.92	NMEA 0183	12	2
662280.4425	4051498.146	30,400	-0.243521698	-109.185795	36.59518267	10/20/2012	114458	1824.81	NMEA 0183	12	2
662283.2125	4051505.397	30,400	-0.243521698	-109.1857625	36.59524753	10/20/2012	114507	1825	NMEA 0183	12	2
662269.9836	4051484.19	30,400	-0.243521698	-109.1859148	36.5950587	10/20/2012	114549	1824.42	NMEA 0183	12	2
662268.0349	4051480.678	30,400	-0.243521698	-109.1859374	36.59502738	10/20/2012	114553	1824.45	NMEA 0183	12	2
662263.032	4051473.664	30,400	-0.243521698	-109.1859947	36.59496503	10/20/2012	114601	1824.32	NMEA 0183	12	2
662287.5838	4051491.355	30,400	-0.243521698	-109.1857167	36.59512027	10/20/2012	114703	1824.6	NMEA 0183	12	2
662284.3483	4051494.062	30,400	-0.243521698	-109.1857522	36.5951452	10/20/2012	114726	1824.87	NMEA 0183	12	2
662291.5952	4051495.743	30,400	-0.243521698	-109.1856709	36.59515912	10/20/2012	114745	1824.85	NMEA 0183	12	2
662309.2021	4051519.454	30,400	-0.243521698	-109.1854692	36.59536977	10/20/2012	114822	1826.38	NMEA 0183	12	2
662315.6031	4051510.084	30,400	-0.243521698	-109.1853996	36.59528425	10/20/2012	115012	1825.6	NMEA 0183	12	2
662290.9744	4051494.655	30,400	-0.243521698	-109.1856781	36.59514942	10/20/2012	115046	1824.88	NMEA 0183	12	2
662270.6197	4051480.041	30,400	-0.243521698	-109.1859086	36.5950212	10/20/2012	115122	1824.69	NMEA 0183	12	2
662264.3797	4051471.723	30,500	-0.191487147	-109.1859801	36.59494732	10/20/2012	102552	1825.11	NMEA 0183	12	2
662346.3516	4051539.239	30,500	-0.191487147	-109.1850499	36.59554172	10/20/2012	102758	1826.63	NMEA 0183	12	2
662344.0758	4051546.256	30,500	-0.191487147	-109.1850738	36.59560533	10/20/2012	102932	1827.5	NMEA 0183	12	2
662327.2108	4051546.993	30,500	-0.191487147	-109.1852621	36.59561485	10/20/2012	103349	1828.2	NMEA 0183	12	2
662328.9401	4051559.439	30,500	-0.191487147	-109.1852402	36.5957267	10/20/2012	103601	1827.02	NMEA 0183	12	2
662330.0346	4051560.871	30,500	-0.191487147	-109.1852276	36.59573942	10/20/2012	103603	1826.9	NMEA 0183	12	2
662350.4866	4051573.395	30,500	-0.191487147	-109.1849964	36.59584878	10/20/2012	103650	1827.12	NMEA 0183	12	2
662325.9129	4051559.249	30,500	-0.191487147	-109.185274	36.5957255	10/20/2012	103724	1826.52	NMEA 0183	12	2
662335.1531	4051573.836	30,500	-0.191487147	-109.1851677	36.59585537	10/20/2012	103846	1827.9	NMEA 0183	12	2
662334.1697	4051575.368	30,500	-0.191487147	-109.1851784	36.59586933	10/20/2012	103921	1828.36	NMEA 0183	12	2
662323.8106	4051566.875	30,500	-0.191487147	-109.1852959	36.59579457	10/20/2012	104108	1827.87	NMEA 0183	12	2
662324.464	4051567.656	30,500	-0.191487147	-109.1852884	36.5958015	10/20/2012	104109	1827.83	NMEA 0183	12	2
662320.3517	4051572.645	30,500	-0.191487147	-109.1853333	36.59584715	10/20/2012	104342	1828.55	NMEA 0183	12	2
662321.7254	4051575.799	30,500	-0.191487147	-109.1853173	36.59587533	10/20/2012	104350	1828.75	NMEA 0183	12	2
662322.6627	4051578.212	30,500	-0.191487147	-109.1853063	36.59589692	10/20/2012	104357	1828.95	NMEA 0183	12	2
662324.264	4051577.058	30,500	-0.191487147	-109.1852887	36.59588625	10/20/2012	104411	1829.14	NMEA 0183	12	2
662315.4421	4051575.543	30,500	-0.191487147	-109.1853876	36.5958741	10/20/2012	104607	1827.72	NMEA 0183	12	2
662321.9516	4051588.936	30,500	-0.191487147	-109.185312	36.59599367	10/20/2012	104637	1830.91	NMEA 0183	12	2
662320.8175	4051591.411	30,500	-0.191487147	-109.1853242	36.59601617	10/20/2012	104645	1830.82	NMEA 0183	12	2
662330.6798	4051587.277	30,500	-0.191487147	-109.1852148	36.59597723	10/20/2012	104836	1830.75	NMEA 0183	12	2
662329.0639	4051591.575	30,500	-0.191487147	-109.185232	36.59601623	10/20/2012	104937	1830.82	NMEA 0183	12	2
662328.7695	4051591.606	30,500	-0.191487147	-109.1852353	36.59601657	10/20/2012	105016	1831.08	NMEA 0183	12	2
662329.5421	4051591.049	30,500	-0.191487147	-109.1852268	36.59601142	10/20/2012	105108	1830.94	NMEA 0183	12	2
662328.8207	4051593.318	30,500	-0.191487147	-109.1852343	36.59603198	10/20/2012	105333	1830.8	NMEA 0183	12	2
662329.4547	4051595.598	30,500	-0.191487147	-109.1852268	36.59605242	10/20/2012	105342	1830.95	NMEA 0183	12	2
662322.0137	4051599.939	30,500	-0.191487147	-109.185309	36.5960928	10/20/2012	105437	1829.57	NMEA 0183	12	2
662315.1902	4051596.777	30,500	-0.191487147	-109.1853859	36.59606547	10/20/2012	105528	1828.05	NMEA 0183	12	2
662315.2312	4051552.912	30,500	-0.191487147	-109.1853947	36.59567022	10/20/2012	105806	1826.52	NMEA 0183	12	2
662315.1556	4051552.888	30,500	-0.191487147	-109.1853956	36.59567002	10/20/2012	105826	1826.5	NMEA 0183	12	2
662306.5949	4051576.077	30,500	-0.191487147	-109.1854863	36.59588042	10/20/2012	110004	1828.17	NMEA 0183	12	2
662304.5403	4051575.409	30,500	-0.191487147	-109.1855094	36.59587475	10/20/2012	110131	1827.85	NMEA 0183	12	2
662305.2559	4051561.526	30,500	-0.191487147	-109.1855044	36.59574953	10/20/2012	110207	1826.94	NMEA 0183	12	2
662299.233	4051574.177	30,500	-0.191487147	-109.185569	36.59586455	10/20/2012	110319	1827.98	NMEA 0183	12	2
662297.8204	4051574.263	30,500	-0.191487147	-109.1855848	36.59586557	10/20/2012	110324	1828.19	NMEA 0183	12	2
662281.1952	4051557.494	30,500	-0.191487147	-109.1857741	36.5957173	10/20/2012	111000	1826.97	NMEA 0183	12	2
662277.4052	4051557.182	30,500	-0.191487147	-109.1858165	36.59571513	10/20/2012	111353	1826.89	NMEA 0183	12	2
662286.9098	4051516.151	30,500	-0.191487147	-109.185719	36.5953438	10/20/2012	111916	1825.07	NMEA 0183	12	2
662276.4846	4051529.32	30,500	-0.191487147	-109.1858327	36.59546423	10/20/2012	111947	1827.73	NMEA 0183	12	2
662258.4132	4051566.466	30,500	-0.191487147	-109.1860268	36.59580202	10/20/2012	112218	1829.48	NMEA 0183	12	2
662264.9184	4051542.726	30,500	-0.191487147	-109.1859591	36.595587	10/20/2012	112623	1826.44	NMEA 0183	12	2
662255.5049	4051556.031	30,500	-0.191487147	-109.1860615	36.59570848	10/20/2012	112710	1826.73	NMEA 0183	12	2
662255.4831	4051556.158	30,500	-0.191487147	-109.1860617	36.59570963	10/20/2012	112712	1826.77	NMEA 0183	12	2
662255.222	4051556.717	30,500	-0.191487147	-109.1860645	36.59571472	10/20/2012	112715	1826.81	NMEA 0183	12	2
662252.8142	4051561.877	30,500	-0.191487147	-109.1860903	36.59576162	10/20/2012	112746	1827.43	NMEA 0183	12	2
662250.4863	4051562.569	30,500	-0.191487147	-109.1861162	36.59576825	10/20/2012	112914	1826.95	NMEA 0183	12	2
662250.5221	4051562.574	30,500	-0.191487147	-109.1861158	36.59576828	10/20/2012	112937	1826.77	NMEA 0183	12	2
662250.515	4051562.633	30,500	-0.191487147	-109.1861158	36.59576882	10/20/2012	112942	1826.76	NMEA 0183	12	2
662250.6505	4051562.408	30,500	-0.191487147	-109.1861144	36.59576677	10/20/2012	113018	1826.7	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662250.5343	4051554.339	30,500	-0.191487147	-109.1861174	36.59569408	10/20/2012	113043	1826.12	NMEA 0183	12	2
662250.2552	4051521.568	30,500	-0.191487147	-109.1861274	36.59539885	10/20/2012	113211	1826.02	NMEA 0183	12	2
662220.698	4051483.484	30,500	-0.191487147	-109.1864657	36.59506072	10/20/2012	113326	1825.29	NMEA 0183	12	2
662266.9166	4051529.237	30,500	-0.191487147	-109.1859396	36.59546512	10/20/2012	113447	1825.55	NMEA 0183	12	2
662254.3073	4051505.229	30,500	-0.191487147	-109.1860856	36.59525093	10/20/2012	113726	1825.29	NMEA 0183	12	2
662244.7217	4051492.096	30,500	-0.191487147	-109.1861955	36.59513423	10/20/2012	113741	1824.94	NMEA 0183	12	2
662237.882	4051481.886	30,500	-0.191487147	-109.186274	36.5950434	10/20/2012	113752	1824.63	NMEA 0183	12	2
662248.9102	4051493.189	30,500	-0.191487147	-109.1861484	36.59514337	10/20/2012	113832	1825.09	NMEA 0183	12	2
662271.4546	4051522.007	30,500	-0.191487147	-109.1858904	36.5953992	10/20/2012	113907	1825.56	NMEA 0183	12	2
662268.7112	4051512.79	30,500	-0.191487147	-109.185923	36.59531662	10/20/2012	113919	1825.66	NMEA 0183	12	2
662246.5446	4051484.419	30,500	-0.191487147	-109.1861767	36.59506475	10/20/2012	113953	1825.04	NMEA 0183	12	2
662252.185	4051484.444	30,500	-0.191487147	-109.1861137	36.59506402	10/20/2012	114028	1824.83	NMEA 0183	12	2
662273.7694	4051509.209	30,500	-0.191487147	-109.1858673	36.59528348	10/20/2012	114122	1825.19	NMEA 0183	12	2
662275.2155	4051505.612	30,500	-0.191487147	-109.1858519	36.59525083	10/20/2012	114252	1825	NMEA 0183	12	2
662283.97	4051507.147	30,500	-0.191487147	-109.1857537	36.59526317	10/20/2012	114509	1825.05	NMEA 0183	12	2
662291.8325	4051504.737	30,500	-0.191487147	-109.1856664	36.59524012	10/20/2012	114800	1825.13	NMEA 0183	12	2
662320.9049	4051522.747	30,500	-0.191487147	-109.1853377	36.59539745	10/20/2012	114933	1825.91	NMEA 0183	12	2
662296.189	4051499.3	30,500	-0.191487147	-109.1856188	36.59519038	10/20/2012	115038	1825.31	NMEA 0183	12	2
662351.8352	4051545.117	30,600	-0.139452597	-109.1849873	36.59559375	10/20/2012	102806	1827.08	NMEA 0183	12	2
662346.0693	4051542.023	30,600	-0.139452597	-109.1850524	36.59556685	10/20/2012	102828	1827.02	NMEA 0183	12	2
662346.5134	4051550.571	30,600	-0.139452597	-109.1850457	36.5956438	10/20/2012	102951	1827.39	NMEA 0183	12	2
662328.4754	4051535.085	30,600	-0.139452597	-109.1852505	36.59550733	10/20/2012	103111	1826.79	NMEA 0183	12	2
662330.1625	4051541.151	30,600	-0.139452597	-109.1852304	36.5955617	10/20/2012	103143	1827.27	NMEA 0183	12	2
662325.6497	4051543.971	30,600	-0.139452597	-109.1852802	36.59558788	10/20/2012	103345	1828.38	NMEA 0183	12	2
662347.7404	4051562.358	30,600	-0.139452597	-109.1850295	36.5957498	10/20/2012	103413	1827.56	NMEA 0183	12	2
662319.7546	4051546.925	30,600	-0.139452597	-109.1853454	36.5956155	10/20/2012	103534	1826.44	NMEA 0183	12	2
662323.7962	4051552.791	30,600	-0.139452597	-109.185299	36.59566767	10/20/2012	103552	1826.7	NMEA 0183	12	2
662336.6953	4051564.129	30,600	-0.139452597	-109.1851525	36.59576763	10/20/2012	103614	1827.9	NMEA 0183	12	2
662346.8704	4051572.65	30,600	-0.139452597	-109.185037	36.59584268	10/20/2012	103655	1827.27	NMEA 0183	12	2
662327.7931	4051565.048	30,600	-0.139452597	-109.1852518	36.59577743	10/20/2012	103835	1827.34	NMEA 0183	12	2
662337.5945	4051576.535	30,600	-0.139452597	-109.1851398	36.59587927	10/20/2012	103852	1828.99	NMEA 0183	12	2
662333.828	4051589.271	30,600	-0.139452597	-109.1851792	36.59599467	10/20/2012	104149	1831.17	NMEA 0183	12	2
662327.4532	4051575.065	30,600	-0.139452597	-109.1852535	36.59586775	10/20/2012	104215	1828.54	NMEA 0183	12	2
662323.3829	4051579.328	30,600	-0.139452597	-109.1852981	36.59590685	10/20/2012	104359	1829.09	NMEA 0183	12	2
662324.0286	4051576.885	30,600	-0.139452597	-109.1852914	36.59588473	10/20/2012	104410	1829.05	NMEA 0183	12	2
662324.9006	4051579.284	30,600	-0.139452597	-109.1852811	36.5959062	10/20/2012	104414	1829.5	NMEA 0183	12	2
662321.0234	4051590.222	30,600	-0.139452597	-109.1853221	36.59600542	10/20/2012	104643	1830.81	NMEA 0183	12	2
662328.489	4051596.821	30,600	-0.139452597	-109.1852373	36.5960636	10/20/2012	104813	1830.69	NMEA 0183	12	2
662326.9581	4051589.985	30,600	-0.139452597	-109.1852559	36.59600227	10/20/2012	104822	1830.37	NMEA 0183	12	2
662329.8969	4051589.559	30,600	-0.139452597	-109.1852231	36.59599793	10/20/2012	104827	1830.67	NMEA 0183	12	2
662331.0739	4051588.683	30,600	-0.139452597	-109.1852101	36.59598983	10/20/2012	104834	1830.79	NMEA 0183	12	2
662329.0488	4051591.585	30,600	-0.139452597	-109.1852322	36.59601633	10/20/2012	104941	1830.84	NMEA 0183	12	2
662328.6991	4051591.701	30,600	-0.139452597	-109.185236	36.59601743	10/20/2012	105001	1831.03	NMEA 0183	12	2
662329.3679	4051591.112	30,600	-0.139452597	-109.1852287	36.59601202	10/20/2012	105116	1830.98	NMEA 0183	12	2
662330.3171	4051591.16	30,600	-0.139452597	-109.1852181	36.59601228	10/20/2012	105143	1830.83	NMEA 0183	12	2
662330.2004	4051590.943	30,600	-0.139452597	-109.1852194	36.59601035	10/20/2012	105212	1830.93	NMEA 0183	12	2
662330.003	4051590.891	30,600	-0.139452597	-109.1852216	36.59600992	10/20/2012	105305	1830.7	NMEA 0183	12	2
662329.9198	4051590.953	30,600	-0.139452597	-109.1852226	36.59601048	10/20/2012	105309	1830.76	NMEA 0183	12	2
662325.7489	4051600.705	30,600	-0.139452597	-109.1852671	36.59609907	10/20/2012	105418	1830.49	NMEA 0183	12	2
662320.5602	4051599.9	30,600	-0.139452597	-109.1853253	36.5960927	10/20/2012	105458	1829.2	NMEA 0183	12	2
662313.9448	4051591.803	30,600	-0.139452597	-109.1854009	36.59602087	10/20/2012	105540	1827.29	NMEA 0183	12	2
662313.8886	4051584.278	30,600	-0.139452597	-109.1854031	36.59595307	10/20/2012	105558	1827.08	NMEA 0183	12	2
662314.1032	4051583.653	30,600	-0.139452597	-109.1854008	36.5959474	10/20/2012	105559	1827.05	NMEA 0183	12	2
662313.0682	4051572.988	30,600	-0.139452597	-109.1854147	36.59585148	10/20/2012	105620	1826.89	NMEA 0183	12	2
662315.1009	4051552.939	30,600	-0.139452597	-109.1853962	36.59567048	10/20/2012	105902	1826.5	NMEA 0183	12	2
662314.9166	4051552.828	30,600	-0.139452597	-109.1853983	36.59566952	10/20/2012	105907	1826.46	NMEA 0183	12	2
662312.9255	4051554.718	30,600	-0.139452597	-109.1854201	36.59568688	10/20/2012	105919	1826.44	NMEA 0183	12	2
662309.379	4051567.579	30,600	-0.139452597	-109.185457	36.59580337	10/20/2012	105943	1827.1	NMEA 0183	12	2
662307.0788	4051563.248	30,600	-0.139452597	-109.1854836	36.59576473	10/20/2012	110108	1827.13	NMEA 0183	12	2
662306.2145	4051572.211	30,600	-0.139452597	-109.1854914	36.59584565	10/20/2012	110126	1827.75	NMEA 0183	12	2
662305.3149	4051560.93	30,600	-0.139452597	-109.1855038	36.59574415	10/20/2012	110208	1826.94	NMEA 0183	12	2
662294.8568	4051571.183	30,600	-0.139452597	-109.1856185	36.59583832	10/20/2012	110334	1827.62	NMEA 0183	12	2
662296.9299	4051558.234	30,600	-0.139452597	-109.1855981	36.59572128	10/20/2012	110357	1826.69	NMEA 0183	12	2
662280.2587	4051574.148	30,600	-0.139452597	-109.185781	36.59586752	10/20/2012	110927	1827.4	NMEA 0183	12	2
662284.4651	4051545.696	30,600	-0.139452597	-109.18574	36.59561043	10/20/2012	111241	1827.22	NMEA 0183	12	2
662284.0516	4051546.345	30,600	-0.139452597	-109.1857445	36.59561635	10/20/2012	111242	1827.21	NMEA 0183	12	2
662283.3292	4051549.372	30,600	-0.139452597	-109.185752	36.59564375	10/20/2012	111246	1827.15	NMEA 0183	12	2
662272.7019	4051572.061	30,600	-0.139452597	-109.1858659	36.59585	10/20/2012	111319	1827.68	NMEA 0183	12	2
662272.6724	4051568.017	30,600	-0.139452597	-109.1858671	36.59581357	10/20/2012	111329	1827.55	NMEA 0183	12	2
662276.4252	4051559.319	30,600	-0.139452597	-109.185827	36.59573455	10/20/2012	111350	1826.93	NMEA 0183	12	2
662273.4856	4051559.783	30,600	-0.139452597	-109.1858598	36.59573923	10/20/2012	111638	1826.95	NMEA 0183	12	2
662276.9288	4051528.936	30,600	-0.139452597	-109.1858278	36.5954607	10/20/2012	111946	1827.72	NMEA 0183	12	2
662267.4193	4051552.619	30,600	-0.139452597	-109.1859291	36.59567572	10/20/2012	112124	1827.89	NMEA 0183	12	2
662283.8934	4051506.229	30,600	-0.139452597	-109.1857548	36.59525492	10/20/2012	112407	1824.92	NMEA 0183	12	2
662262.2716	4051548.616	30,600	-0.139452597	-109.1859874	36.59564052	10/20/2012	112631	1826.78	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662255.5318	4051555.869	30,600	-0.139452597	-109.1860612	36.59570702	10/20/2012	112709	1826.69	NMEA 0183	12	2
662253.7987	4051558.081	30,600	-0.139452597	-109.1860801	36.59572725	10/20/2012	112729	1826.71	NMEA 0183	12	2
662250.6714	4051563.67	30,600	-0.139452597	-109.1861139	36.59577813	10/20/2012	112807	1826.86	NMEA 0183	12	2
662249.5377	4051563.68	30,600	-0.139452597	-109.1861265	36.59577842	10/20/2012	112849	1826.3	NMEA 0183	12	2
662250.5111	4051562.52	30,600	-0.139452597	-109.1861159	36.5957678	10/20/2012	112918	1826.95	NMEA 0183	12	2
662250.6241	4051562.542	30,600	-0.139452597	-109.1861146	36.59576798	10/20/2012	113003	1826.69	NMEA 0183	12	2
662250.7871	4051562.518	30,600	-0.139452597	-109.1861128	36.59576773	10/20/2012	113016	1826.65	NMEA 0183	12	2
662250.6153	4051562.296	30,600	-0.139452597	-109.1861148	36.59576577	10/20/2012	113017	1826.65	NMEA 0183	12	2
662250.8196	4051550.841	30,600	-0.139452597	-109.1861149	36.59566252	10/20/2012	113049	1826.14	NMEA 0183	12	2
662245.55	4051552.508	30,600	-0.139452597	-109.1861735	36.59567843	10/20/2012	113127	1826.39	NMEA 0183	12	2
662230.7886	4051497.993	30,600	-0.139452597	-109.1863499	36.59518973	10/20/2012	113343	1825.68	NMEA 0183	12	2
662259.7514	4051529.004	30,600	-0.139452597	-109.1860197	36.59546423	10/20/2012	113423	1825.75	NMEA 0183	12	2
662241.837	4051504.037	30,600	-0.139452597	-109.1862252	36.59524232	10/20/2012	113522	1825.68	NMEA 0183	12	2
662230.5996	4051481.695	30,600	-0.139452597	-109.1863555	36.59504292	10/20/2012	113555	1824.76	NMEA 0183	12	2
662243.9091	4051500.856	30,600	-0.139452597	-109.1862027	36.5952133	10/20/2012	113615	1825.24	NMEA 0183	12	2
662238.5193	4051482.734	30,600	-0.139452597	-109.1862667	36.59505093	10/20/2012	113751	1824.73	NMEA 0183	12	2
662235.9607	4051478.896	30,600	-0.139452597	-109.1862961	36.59501678	10/20/2012	113756	1824.65	NMEA 0183	12	2
662259.4635	4051499.461	30,600	-0.139452597	-109.1860292	36.59519808	10/20/2012	113934	1825.46	NMEA 0183	12	2
662268.8805	4051508.171	30,600	-0.139452597	-109.1859221	36.59527497	10/20/2012	114059	1825.1	NMEA 0183	12	2
662268.2859	4051505.139	30,600	-0.139452597	-109.1859294	36.59524775	10/20/2012	114129	1825.21	NMEA 0183	12	2
662275.0885	4051506.572	30,600	-0.139452597	-109.1858531	36.5952595	10/20/2012	114253	1824.99	NMEA 0183	12	2
662279.0506	4051506.46	30,600	-0.139452597	-109.1858088	36.59525782	10/20/2012	114315	1825.08	NMEA 0183	12	2
662249.4995	4051465.845	30,600	-0.139452597	-109.1861476	36.59489688	10/20/2012	114410	1824.36	NMEA 0183	12	2
662252.3327	4051465.17	30,600	-0.139452597	-109.1861161	36.59489032	10/20/2012	114415	1824.31	NMEA 0183	12	2
662279.3486	4051492.175	30,600	-0.139452597	-109.1858085	36.59512905	10/20/2012	114536	1824.8	NMEA 0183	12	2
662261.2827	4051467.412	30,600	-0.139452597	-109.1860156	36.594909	10/20/2012	114613	1824.27	NMEA 0183	12	2
662287.6555	4051494.745	30,600	-0.139452597	-109.1857151	36.5951508	10/20/2012	114709	1824.72	NMEA 0183	12	2
662284.8048	4051499.271	30,600	-0.139452597	-109.185746	36.59519207	10/20/2012	114716	1824.9	NMEA 0183	12	2
662311.5932	4051532.628	30,600	-0.139452597	-109.1854397	36.59548807	10/20/2012	114902	1826.19	NMEA 0183	12	2
662299.5357	4051504.366	30,600	-0.139452597	-109.1855804	36.59523547	10/20/2012	115030	1825.35	NMEA 0183	12	2
662276.3411	4051483.759	30,600	-0.139452597	-109.1858439	36.59505373	10/20/2012	115110	1824.87	NMEA 0183	12	2
662261.4488	4051476.544	30,700	-0.087418046	-109.1860118	36.59499125	10/20/2012	102537	1825.28	NMEA 0183	12	2
662263.4082	4051474.988	30,700	-0.087418046	-109.1859903	36.5949769	10/20/2012	102542	1825.19	NMEA 0183	12	2
662353.3117	4051548.909	30,700	-0.087418046	-109.18497	36.59562767	10/20/2012	102816	1827.26	NMEA 0183	12	2
662347.8354	4051543.199	30,700	-0.087418046	-109.1850324	36.59557715	10/20/2012	102826	1826.91	NMEA 0183	12	2
662342.2922	4051546.555	30,700	-0.087418046	-109.1850937	36.59560833	10/20/2012	103022	1827.52	NMEA 0183	12	2
662342.3215	4051546.583	30,700	-0.087418046	-109.1850933	36.59560858	10/20/2012	103044	1827.51	NMEA 0183	12	2
662342.21	4051546.567	30,700	-0.087418046	-109.1850946	36.59560845	10/20/2012	103046	1827.51	NMEA 0183	12	2
662344.5335	4051556.767	30,700	-0.087418046	-109.1850665	36.59569997	10/20/2012	103226	1827.32	NMEA 0183	12	2
662328.484	4051542.92	30,700	-0.087418046	-109.1852487	36.59557793	10/20/2012	103257	1827.13	NMEA 0183	12	2
662342.5669	4051559.257	30,700	-0.087418046	-109.1850879	36.59572273	10/20/2012	103408	1827.91	NMEA 0183	12	2
662342.202	4051561.752	30,700	-0.087418046	-109.1850915	36.59574528	10/20/2012	103426	1828.21	NMEA 0183	12	2
662327.6762	4051555.285	30,700	-0.087418046	-109.1852552	36.59568948	10/20/2012	103450	1827.38	NMEA 0183	12	2
662323.1161	4051551.209	30,700	-0.087418046	-109.185307	36.59565353	10/20/2012	103540	1826.64	NMEA 0183	12	2
662335.1471	4051564.05	30,700	-0.087418046	-109.1851698	36.59576718	10/20/2012	103611	1827.44	NMEA 0183	12	2
662342.7567	4051570.523	30,700	-0.087418046	-109.1850834	36.59582422	10/20/2012	103702	1827.72	NMEA 0183	12	2
662314.5883	4051547.545	30,700	-0.087418046	-109.185403	36.59562197	10/20/2012	103814	1826.56	NMEA 0183	12	2
662326.433	4051561.325	30,700	-0.087418046	-109.1852678	36.59574412	10/20/2012	103831	1827.15	NMEA 0183	12	2
662337.095	4051576.128	30,700	-0.087418046	-109.1851455	36.59587568	10/20/2012	103851	1828.84	NMEA 0183	12	2
662334.3118	4051575.108	30,700	-0.087418046	-109.1851768	36.59586697	10/20/2012	103922	1828.32	NMEA 0183	12	2
662331.2164	4051572.53	30,700	-0.087418046	-109.185212	36.59584427	10/20/2012	103940	1827.89	NMEA 0183	12	2
662327.3281	4051568.267	30,700	-0.087418046	-109.1852563	36.59580652	10/20/2012	103949	1827.45	NMEA 0183	12	2
662314.1664	4051555.037	30,700	-0.087418046	-109.1854062	36.59568955	10/20/2012	104052	1827.05	NMEA 0183	12	2
662321.2473	4051574.974	30,700	-0.087418046	-109.1853228	36.59586798	10/20/2012	104348	1828.66	NMEA 0183	12	2
662317.3615	4051574.29	30,700	-0.087418046	-109.1853664	36.59586248	10/20/2012	104545	1828.66	NMEA 0183	12	2
662313.5499	4051569.437	30,700	-0.087418046	-109.18541	36.5958194	10/20/2012	104557	1827.02	NMEA 0183	12	2
662326.162	4051596.677	30,700	-0.087418046	-109.1852633	36.5960627	10/20/2012	104743	1831.03	NMEA 0183	12	2
662325.7256	4051599.251	30,700	-0.087418046	-109.1852677	36.59608597	10/20/2012	104748	1830.53	NMEA 0183	12	2
662322.3466	4051599.686	30,700	-0.087418046	-109.1853053	36.59609047	10/20/2012	104805	1829.79	NMEA 0183	12	2
662327.0971	4051592.102	30,700	-0.087418046	-109.1852539	36.59602132	10/20/2012	104819	1830.52	NMEA 0183	12	2
662329.0671	4051591.721	30,700	-0.087418046	-109.1852319	36.59601755	10/20/2012	104923	1830.7	NMEA 0183	12	2
662329.0425	4051591.6	30,700	-0.087418046	-109.1852322	36.59601647	10/20/2012	104940	1830.84	NMEA 0183	12	2
662328.7932	4051591.614	30,700	-0.087418046	-109.185235	36.59601663	10/20/2012	105021	1830.99	NMEA 0183	12	2
662330.2436	4051591.105	30,700	-0.087418046	-109.1852189	36.5960118	10/20/2012	105144	1830.78	NMEA 0183	12	2
662330.0656	4051590.972	30,700	-0.087418046	-109.1852209	36.59601063	10/20/2012	105145	1830.86	NMEA 0183	12	2
662330.4878	4051591.048	30,700	-0.087418046	-109.1852162	36.59601125	10/20/2012	105226	1830.89	NMEA 0183	12	2
662330.4149	4051590.96	30,700	-0.087418046	-109.185217	36.59601047	10/20/2012	105241	1830.9	NMEA 0183	12	2
662328.5069	4051596.505	30,700	-0.087418046	-109.1852372	36.59606075	10/20/2012	105356	1830.56	NMEA 0183	12	2
662326.5395	4051602.435	30,700	-0.087418046	-109.1852579	36.59611452	10/20/2012	105408	1830.89	NMEA 0183	12	2
662314.9668	4051552.855	30,700	-0.087418046	-109.1853977	36.59566975	10/20/2012	105715	1826.46	NMEA 0183	12	2
662315.2373	4051552.906	30,700	-0.087418046	-109.1853947	36.59567017	10/20/2012	105747	1826.45	NMEA 0183	12	2
662305.9326	4051576.242	30,700	-0.087418046	-109.1854937	36.59588202	10/20/2012	110007	1828.03	NMEA 0183	12	2
662310.1512	4051558.992	30,700	-0.087418046	-109.1854502	36.59572587	10/20/2012	110038	1826.94	NMEA 0183	12	2
662283.8073	4051570.738	30,700	-0.087418046	-109.1857421	36.59583618	10/20/2012	110857	1827.7	NMEA 0183	12	2
662279.2304	4051573.476	30,700	-0.087418046	-109.1857927	36.59586163	10/20/2012	110929	1827.33	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662282.6089	4051543.682	30,700	-0.087418046	-109.1857612	36.5955926	10/20/2012	111413	1826.79	NMEA 0183	12	2
662273.3865	4051560.688	30,700	-0.087418046	-109.1858607	36.5957474	10/20/2012	111639	1826.96	NMEA 0183	12	2
662256.8646	4051570.752	30,700	-0.087418046	-109.1860432	36.5958409	10/20/2012	112151	1829.13	NMEA 0183	12	2
662263.8482	4051553.114	30,700	-0.087418046	-109.1859689	36.59568078	10/20/2012	112246	1828.92	NMEA 0183	12	2
662250.7569	4051563.642	30,700	-0.087418046	-109.1861129	36.59577787	10/20/2012	112800	1826.76	NMEA 0183	12	2
662250.4665	4051562.754	30,700	-0.087418046	-109.1861164	36.59576992	10/20/2012	112927	1826.99	NMEA 0183	12	2
662250.2288	4051562.309	30,700	-0.087418046	-109.1861191	36.59576595	10/20/2012	113032	1826.75	NMEA 0183	12	2
662232.2126	4051488.22	30,700	-0.087418046	-109.1863361	36.59510143	10/20/2012	113259	1825.09	NMEA 0183	12	2
662254.8947	4051519.542	30,700	-0.087418046	-109.186076	36.5953798	10/20/2012	113503	1825.71	NMEA 0183	12	2
662231.4058	4051482.522	30,700	-0.087418046	-109.1863463	36.59505023	10/20/2012	113556	1824.79	NMEA 0183	12	2
662267.6061	4051518.629	30,700	-0.087418046	-109.1859341	36.59536942	10/20/2012	113708	1825.98	NMEA 0183	12	2
662256.728	4051507.601	30,700	-0.087418046	-109.186058	36.5952719	10/20/2012	113723	1825.43	NMEA 0183	12	2
662250.3642	4051501.255	30,700	-0.087418046	-109.1861305	36.5952158	10/20/2012	113731	1825.35	NMEA 0183	12	2
662241.4121	4051487.356	30,700	-0.087418046	-109.1862334	36.59509208	10/20/2012	113746	1824.9	NMEA 0183	12	2
662235.2669	4051477.013	30,700	-0.087418046	-109.1863043	36.59499993	10/20/2012	113759	1824.6	NMEA 0183	12	2
662264.4556	4051512.728	30,700	-0.087418046	-109.1859706	36.59531678	10/20/2012	113856	1825.32	NMEA 0183	12	2
662267.4185	4051515.455	30,700	-0.087418046	-109.1859369	36.59534085	10/20/2012	113900	1825.64	NMEA 0183	12	2
662247.1998	4051485.109	30,700	-0.087418046	-109.1861692	36.59507085	10/20/2012	113952	1825.03	NMEA 0183	12	2
662264.7552	4051500.417	30,700	-0.087418046	-109.1859698	36.5952058	10/20/2012	114051	1825.05	NMEA 0183	12	2
662275.6908	4051486.919	30,700	-0.087418046	-109.1858505	36.59508232	10/20/2012	114637	1824.5	NMEA 0183	12	2
662283.9926	4051493.152	30,700	-0.087418046	-109.1857564	36.59513707	10/20/2012	114727	1824.85	NMEA 0183	12	2
662283.2824	4051492.538	30,700	-0.087418046	-109.1857645	36.59513165	10/20/2012	114728	1824.87	NMEA 0183	12	2
662288.0394	4051494.559	30,700	-0.087418046	-109.1857109	36.59514905	10/20/2012	114741	1824.87	NMEA 0183	12	2
662313.8291	4051527.567	30,700	-0.087418046	-109.1854157	36.59544208	10/20/2012	114909	1826.21	NMEA 0183	12	2
662264.2832	4051472.254	30,800	-0.035383495	-109.1859811	36.59495212	10/20/2012	102613	1825.01	NMEA 0183	12	2
662344.6785	4051537.875	30,800	-0.035383495	-109.1850688	36.59552972	10/20/2012	102756	1826.53	NMEA 0183	12	2
662328.4018	4051530.056	30,800	-0.035383495	-109.1852524	36.59546203	10/20/2012	102904	1826.2	NMEA 0183	12	2
662327.4778	4051537.519	30,800	-0.035383495	-109.1852611	36.59552943	10/20/2012	103139	1827.11	NMEA 0183	12	2
662318.812	4051543.848	30,800	-0.035383495	-109.1853566	36.59558793	10/20/2012	103509	1826.62	NMEA 0183	12	2
662326.6502	4051556.146	30,800	-0.035383495	-109.1852664	36.59569742	10/20/2012	103557	1826.92	NMEA 0183	12	2
662349.2889	4051573.16	30,800	-0.035383495	-109.1850099	36.59584687	10/20/2012	103652	1827.14	NMEA 0183	12	2
662337.6068	4051567.747	30,800	-0.035383495	-109.1851416	36.59580008	10/20/2012	103709	1827.29	NMEA 0183	12	2
662327.2461	4051564.078	30,800	-0.035383495	-109.1852581	36.59576878	10/20/2012	103834	1827.34	NMEA 0183	12	2
662332.0219	4051587.053	30,800	-0.035383495	-109.1851999	36.59597498	10/20/2012	104159	1831.17	NMEA 0183	12	2
662327.4654	4051576.553	30,800	-0.035383495	-109.185253	36.59588115	10/20/2012	104213	1829.15	NMEA 0183	12	2
662311.5799	4051557.974	30,800	-0.035383495	-109.1854345	36.59571645	10/20/2012	104318	1826.67	NMEA 0183	12	2
662317.7642	4051574.523	30,800	-0.035383495	-109.1853619	36.59586452	10/20/2012	104544	1828.81	NMEA 0183	12	2
662312.9195	4051570.122	30,800	-0.035383495	-109.1854169	36.59582568	10/20/2012	104559	1827.05	NMEA 0183	12	2
662313.3677	4051570.793	30,800	-0.035383495	-109.1854118	36.59583165	10/20/2012	104600	1827.27	NMEA 0183	12	2
662319.1901	4051592.37	30,800	-0.035383495	-109.1853422	36.59602508	10/20/2012	104728	1830.51	NMEA 0183	12	2
662321.7609	4051591.611	30,800	-0.035383495	-109.1853136	36.5960178	10/20/2012	104735	1830.89	NMEA 0183	12	2
662329.2529	4051591.282	30,800	-0.035383495	-109.1852299	36.59601357	10/20/2012	105057	1830.9	NMEA 0183	12	2
662329.8838	4051591.124	30,800	-0.035383495	-109.1852229	36.59601203	10/20/2012	105146	1830.79	NMEA 0183	12	2
662326.8327	4051598.99	30,800	-0.035383495	-109.1852554	36.59608343	10/20/2012	105401	1830.66	NMEA 0183	12	2
662322.9649	4051602.33	30,800	-0.035383495	-109.1852979	36.59611418	10/20/2012	105427	1830.08	NMEA 0183	12	2
662313.003	4051588.6	30,800	-0.035383495	-109.1854121	36.59599217	10/20/2012	105551	1827.2	NMEA 0183	12	2
662312.8549	4051572.196	30,800	-0.035383495	-109.1854172	36.59584438	10/20/2012	105622	1826.84	NMEA 0183	12	2
662309.9862	4051575.307	30,800	-0.035383495	-109.1854486	36.5958729	10/20/2012	105955	1827.89	NMEA 0183	12	2
662308.0272	4051575.814	30,800	-0.035383495	-109.1854704	36.5958778	10/20/2012	110001	1828.33	NMEA 0183	12	2
662310.9943	4051553.992	30,800	-0.035383495	-109.1854418	36.59568067	10/20/2012	110045	1826.94	NMEA 0183	12	2
662309.2938	4051553.292	30,800	-0.035383495	-109.185461	36.59567465	10/20/2012	110048	1827.1	NMEA 0183	12	2
662308.7752	4051518.761	30,800	-0.035383495	-109.1854741	36.5953636	10/20/2012	110720	1826.24	NMEA 0183	12	2
662283.747	4051575.666	30,800	-0.035383495	-109.1857417	36.5958806	10/20/2012	110918	1828.44	NMEA 0183	12	2
662281.5828	4051563.902	30,800	-0.035383495	-109.1857684	36.59577497	10/20/2012	110947	1827.16	NMEA 0183	12	2
662271.8605	4051571.755	30,800	-0.035383495	-109.1858754	36.59584738	10/20/2012	111321	1827.92	NMEA 0183	12	2
662274.8422	4051530.28	30,800	-0.035383495	-109.1858508	36.59547317	10/20/2012	111950	1827.79	NMEA 0183	12	2
662272.782	4051539.149	30,800	-0.035383495	-109.185872	36.59555343	10/20/2012	112311	1827.07	NMEA 0183	12	2
662286.4441	4051502.584	30,800	-0.035383495	-109.185727	36.59522163	10/20/2012	112413	1824.86	NMEA 0183	12	2
662290.8045	4051499.703	30,800	-0.035383495	-109.1856789	36.59519493	10/20/2012	112421	1825.1	NMEA 0183	12	2
662268.335	4051526.079	30,800	-0.035383495	-109.1859244	36.59543642	10/20/2012	112518	1825.38	NMEA 0183	12	2
662267.3392	4051526.841	30,800	-0.035383495	-109.1859354	36.59544345	10/20/2012	112520	1825.45	NMEA 0183	12	2
662263.34	4051546.695	30,800	-0.035383495	-109.1859759	36.59562303	10/20/2012	112628	1826.69	NMEA 0183	12	2
662259.155	4051551.979	30,800	-0.035383495	-109.1860215	36.59567135	10/20/2012	112638	1826.62	NMEA 0183	12	2
662255.2162	4051556.628	30,800	-0.035383495	-109.1860646	36.59571392	10/20/2012	112721	1826.81	NMEA 0183	12	2
662253.2428	4051560.899	30,800	-0.035383495	-109.1860857	36.59575273	10/20/2012	112733	1827.14	NMEA 0183	12	2
662250.2834	4051563.523	30,800	-0.035383495	-109.1861182	36.59577688	10/20/2012	112828	1826.85	NMEA 0183	12	2
662249.991	4051563.211	30,800	-0.035383495	-109.1861216	36.59577412	10/20/2012	112858	1825.81	NMEA 0183	12	2
662250.5358	4051562.714	30,800	-0.035383495	-109.1861156	36.59576955	10/20/2012	112947	1826.75	NMEA 0183	12	2
662267.6391	4051529.837	30,800	-0.035383495	-109.1859314	36.5954704	10/20/2012	113446	1825.55	NMEA 0183	12	2
662259.4086	4051526.225	30,800	-0.035383495	-109.1860241	36.59543925	10/20/2012	113455	1825.61	NMEA 0183	12	2
662257.9029	4051523.818	30,800	-0.035383495	-109.1860415	36.59541782	10/20/2012	113458	1825.44	NMEA 0183	12	2
662260.437	4051511.334	30,800	-0.035383495	-109.1860158	36.5953049	10/20/2012	113718	1825.28	NMEA 0183	12	2
662264.6529	4051507.731	30,800	-0.035383495	-109.1859694	36.59527172	10/20/2012	113925	1825.54	NMEA 0183	12	2
662268.7575	4051491.222	30,800	-0.035383495	-109.1859271	36.59512227	10/20/2012	114338	1824.68	NMEA 0183	12	2
662263.7275	4051474.511	30,800	-0.035383495	-109.1859868	36.59497255	10/20/2012	114600	1824.4	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662262.5036	4051472.816	30,800	-0.035383495	-109.1860008	36.59495748	10/20/2012	114602	1824.38	NMEA 0183	12	2
662283.0141	4051488.974	30,800	-0.035383495	-109.1857682	36.59509958	10/20/2012	114648	1825.07	NMEA 0183	12	2
662284.308	4051494.775	30,800	-0.035383495	-109.1857525	36.59515163	10/20/2012	114725	1824.93	NMEA 0183	12	2
662297.6379	4051507.083	30,800	-0.035383495	-109.185601	36.59526027	10/20/2012	114806	1825.31	NMEA 0183	12	2
662270.5778	4051480.049	30,800	-0.035383495	-109.1859091	36.59502128	10/20/2012	115121	1824.67	NMEA 0183	12	2
662317.5718	4051512.614	30,900	0.016651056	-109.1853771	36.59530672	10/20/2012	102717	1826.09	NMEA 0183	12	2
662347.0957	4051540.035	30,900	0.016651056	-109.1850414	36.59554877	10/20/2012	102759	1826.69	NMEA 0183	12	2
662344.618	4051546.606	30,900	0.016651056	-109.1850677	36.5956084	10/20/2012	102934	1827.4	NMEA 0183	12	2
662342.1795	4051546.522	30,900	0.016651056	-109.1850949	36.59560805	10/20/2012	103009	1827.67	NMEA 0183	12	2
662344.9935	4051555.309	30,900	0.016651056	-109.1850616	36.59568675	10/20/2012	103215	1827.46	NMEA 0183	12	2
662343.7525	4051555.948	30,900	0.016651056	-109.1850754	36.59569272	10/20/2012	103227	1827.43	NMEA 0183	12	2
662317.6516	4051532.398	30,900	0.016651056	-109.185372	36.59548497	10/20/2012	103313	1827.09	NMEA 0183	12	2
662346.203	4051563.369	30,900	0.016651056	-109.1850464	36.59575917	10/20/2012	103418	1827.68	NMEA 0183	12	2
662323.2181	4051551.337	30,900	0.016651056	-109.1853058	36.59565467	10/20/2012	103544	1826.7	NMEA 0183	12	2
662315.2167	4051548.545	30,900	0.016651056	-109.1853958	36.59563087	10/20/2012	103815	1826.59	NMEA 0183	12	2
662331.9808	4051569.65	30,900	0.016651056	-109.185204	36.59581818	10/20/2012	103841	1827.58	NMEA 0183	12	2
662327.9582	4051568.941	30,900	0.016651056	-109.1852491	36.59581248	10/20/2012	103948	1827.54	NMEA 0183	12	2
662309.1013	4051548.719	30,900	0.016651056	-109.1854641	36.59563348	10/20/2012	104044	1827.43	NMEA 0183	12	2
662327.5924	4051577.171	30,900	0.016651056	-109.1852515	36.5958867	10/20/2012	104212	1829.24	NMEA 0183	12	2
662329.8113	4051588.881	30,900	0.016651056	-109.1852242	36.59599183	10/20/2012	104429	1830.76	NMEA 0183	12	2
662323.7723	4051590.692	30,900	0.016651056	-109.1852913	36.59600918	10/20/2012	104518	1830.71	NMEA 0183	12	2
662322.7488	4051583.134	30,900	0.016651056	-109.1853043	36.59594125	10/20/2012	104527	1829.49	NMEA 0183	12	2
662312.94	4051569.431	30,900	0.016651056	-109.1854168	36.59581945	10/20/2012	104558	1827	NMEA 0183	12	2
662321.376	4051587.347	30,900	0.016651056	-109.1853188	36.59597945	10/20/2012	104633	1830.56	NMEA 0183	12	2
662320.2188	4051591.998	30,900	0.016651056	-109.1853307	36.59602155	10/20/2012	104733	1830.47	NMEA 0183	12	2
662330.1925	4051590.889	30,900	0.016651056	-109.1852195	36.59600987	10/20/2012	105218	1830.82	NMEA 0183	12	2
662329.9731	4051590.894	30,900	0.016651056	-109.185222	36.59600995	10/20/2012	105317	1830.67	NMEA 0183	12	2
662326.0482	4051601.042	30,900	0.016651056	-109.1852637	36.59610205	10/20/2012	105413	1830.58	NMEA 0183	12	2
662323.0399	4051602.224	30,900	0.016651056	-109.1852971	36.59611322	10/20/2012	105431	1830.08	NMEA 0183	12	2
662313.0301	4051586.849	30,900	0.016651056	-109.1854122	36.59597638	10/20/2012	105554	1827.13	NMEA 0183	12	2
662313.0438	4051554.223	30,900	0.016651056	-109.1854189	36.5956824	10/20/2012	105918	1826.46	NMEA 0183	12	2
662309.4206	4051566.477	30,900	0.016651056	-109.1854568	36.59579343	10/20/2012	105940	1827.06	NMEA 0183	12	2
662310.0756	4051570.022	30,900	0.016651056	-109.1854487	36.59582527	10/20/2012	105946	1827.21	NMEA 0183	12	2
662309.0758	4051561.284	30,900	0.016651056	-109.1854617	36.5957467	10/20/2012	110034	1827.13	NMEA 0183	12	2
662311.2614	4051554.616	30,900	0.016651056	-109.1854387	36.59568625	10/20/2012	110044	1826.96	NMEA 0183	12	2
662307.2797	4051569.831	30,900	0.016651056	-109.18548	36.59582402	10/20/2012	110122	1828.2	NMEA 0183	12	2
662279.6087	4051560.393	30,900	0.016651056	-109.1857912	36.59574368	10/20/2012	110954	1827.04	NMEA 0183	12	2
662267.6456	4051571.755	30,900	0.016651056	-109.1859225	36.5958481	10/20/2012	111659	1827.59	NMEA 0183	12	2
662294.6666	4051500.777	30,900	0.016651056	-109.1856355	36.59520395	10/20/2012	111852	1824.82	NMEA 0183	12	2
662271.1762	4051545.44	30,900	0.016651056	-109.1858886	36.59561038	10/20/2012	112042	1827.23	NMEA 0183	12	2
662261.7806	4051562.063	30,900	0.016651056	-109.1859901	36.59576177	10/20/2012	112137	1828.61	NMEA 0183	12	2
662260.4414	4051563.95	30,900	0.016651056	-109.1860046	36.595779	10/20/2012	112140	1828.94	NMEA 0183	12	2
662257.5583	4051568.927	30,900	0.016651056	-109.1860358	36.59582433	10/20/2012	112148	1829.26	NMEA 0183	12	2
662257.87	4051571.691	30,900	0.016651056	-109.1860317	36.59584918	10/20/2012	112153	1828.96	NMEA 0183	12	2
662258.3017	4051571.976	30,900	0.016651056	-109.1860269	36.59585168	10/20/2012	112154	1828.95	NMEA 0183	12	2
662278.2357	4051522.363	30,900	0.016651056	-109.1858146	36.59540125	10/20/2012	112345	1825.89	NMEA 0183	12	2
662261.5382	4051549.702	30,900	0.016651056	-109.1859954	36.59565043	10/20/2012	112633	1826.78	NMEA 0183	12	2
662253.0148	4051559.548	30,900	0.016651056	-109.1860886	36.5957406	10/20/2012	112731	1826.73	NMEA 0183	12	2
662253.2103	4051561.198	30,900	0.016651056	-109.186086	36.59575543	10/20/2012	112738	1827.33	NMEA 0183	12	2
662250.6769	4051562.748	30,900	0.016651056	-109.186114	36.59576983	10/20/2012	112905	1826.95	NMEA 0183	12	2
662250.4732	4051562.636	30,900	0.016651056	-109.1861163	36.59576885	10/20/2012	112907	1826.88	NMEA 0183	12	2
662250.6303	4051562.687	30,900	0.016651056	-109.1861145	36.59576928	10/20/2012	112923	1826.96	NMEA 0183	12	2
662251.0358	4051551.48	30,900	0.016651056	-109.1861124	36.59566823	10/20/2012	113046	1826.05	NMEA 0183	12	2
662229.0607	4051489.655	30,900	0.016651056	-109.186371	36.5951149	10/20/2012	113303	1825.21	NMEA 0183	12	2
662256.8807	4051521.949	30,900	0.016651056	-109.1860533	36.59540115	10/20/2012	113500	1825.74	NMEA 0183	12	2
662262.451	4051522.524	30,900	0.016651056	-109.1859909	36.59540538	10/20/2012	113642	1825.27	NMEA 0183	12	2
662266.8286	4051518.1	30,900	0.016651056	-109.1859429	36.59536478	10/20/2012	113709	1825.98	NMEA 0183	12	2
662241.1231	4051482.203	30,900	0.016651056	-109.1862378	36.5950457	10/20/2012	113819	1824.66	NMEA 0183	12	2
662269.7427	4051519.541	30,900	0.016651056	-109.1859101	36.59537727	10/20/2012	113904	1825.36	NMEA 0183	12	2
662275.8361	4051512.712	30,900	0.016651056	-109.1858434	36.5953147	10/20/2012	114118	1825.24	NMEA 0183	12	2
662282.1943	4051489.972	30,900	0.016651056	-109.1857772	36.59510872	10/20/2012	114646	1824.78	NMEA 0183	12	2
662285.1565	4051493.679	30,900	0.016651056	-109.1857433	36.59514162	10/20/2012	114659	1824.63	NMEA 0183	12	2
662282.9711	4051495.987	30,900	0.016651056	-109.1857672	36.59516278	10/20/2012	114722	1824.89	NMEA 0183	12	2
662293.502	4051496.417	30,900	0.016651056	-109.1856495	36.59516487	10/20/2012	114747	1824.85	NMEA 0183	12	2
662310.421	4051520.62	30,900	0.016651056	-109.1854553	36.59538007	10/20/2012	114824	1826.19	NMEA 0183	12	2
662315.6154	4051511.801	30,900	0.016651056	-109.1853991	36.59529972	10/20/2012	115010	1825.76	NMEA 0183	12	2
662296.4199	4051501.999	30,900	0.016651056	-109.1856157	36.59521467	10/20/2012	115034	1825.4	NMEA 0183	12	2
662343.131	4051545.419	31,000	0.068685607	-109.1850845	36.59559795	10/20/2012	102930	1827.64	NMEA 0183	12	2
662319.7819	4051544.142	31,000	0.068685607	-109.1853457	36.59559042	10/20/2012	103508	1826.62	NMEA 0183	12	2
662323.2451	4051551.326	31,000	0.068685607	-109.1853055	36.59565457	10/20/2012	103543	1826.7	NMEA 0183	12	2
662342.2889	4051565.366	31,000	0.068685607	-109.1850897	36.59577783	10/20/2012	103622	1828.66	NMEA 0183	12	2
662338.1982	4051577.579	31,000	0.068685607	-109.1851329	36.59588857	10/20/2012	103854	1829.3	NMEA 0183	12	2
662334.8046	4051577.759	31,000	0.068685607	-109.1851708	36.59589077	10/20/2012	103914	1829.22	NMEA 0183	12	2
662324.3303	4051566.128	31,000	0.068685607	-109.1852903	36.59578775	10/20/2012	103953	1827.56	NMEA 0183	12	2
662313.3877	4051554.255	31,000	0.068685607	-109.185415	36.59568263	10/20/2012	104051	1826.89	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662333.8667	4051589.276	31,000	0.068685607	-109.1851788	36.5959947	10/20/2012	104152	1831.17	NMEA 0183	12	2
662324.2221	4051570.672	31,000	0.068685607	-109.1852905	36.59582872	10/20/2012	104221	1827.79	NMEA 0183	12	2
662322.6186	4051568.31	31,000	0.068685607	-109.1853089	36.5958077	10/20/2012	104227	1827.71	NMEA 0183	12	2
662322.6338	4051577.375	31,000	0.068685607	-109.1853068	36.59588938	10/20/2012	104353	1828.75	NMEA 0183	12	2
662320.1572	4051581.046	31,000	0.068685607	-109.1853337	36.59592288	10/20/2012	104621	1829.23	NMEA 0183	12	2
662320.3354	4051583.772	31,000	0.068685607	-109.1853312	36.59594742	10/20/2012	104626	1830.15	NMEA 0183	12	2
662319.2426	4051592.275	31,000	0.068685607	-109.1853416	36.59602422	10/20/2012	104720	1830.62	NMEA 0183	12	2
662325.1384	4051595.281	31,000	0.068685607	-109.1852751	36.5960503	10/20/2012	104741	1831.08	NMEA 0183	12	2
662325.7981	4051595.886	31,000	0.068685607	-109.1852676	36.59605563	10/20/2012	104742	1831.1	NMEA 0183	12	2
662320.9263	4051598.603	31,000	0.068685607	-109.1853214	36.59608095	10/20/2012	104802	1829.97	NMEA 0183	12	2
662330.4049	4051589.118	31,000	0.068685607	-109.1852175	36.59599387	10/20/2012	104833	1830.78	NMEA 0183	12	2
662329.1029	4051591.562	31,000	0.068685607	-109.1852316	36.59601612	10/20/2012	104928	1830.69	NMEA 0183	12	2
662329.0702	4051591.556	31,000	0.068685607	-109.1852319	36.59601607	10/20/2012	104930	1830.68	NMEA 0183	12	2
662329.472	4051590.972	31,000	0.068685607	-109.1852276	36.59601073	10/20/2012	105118	1830.91	NMEA 0183	12	2
662330.0122	4051590.799	31,000	0.068685607	-109.1852216	36.59600908	10/20/2012	105221	1830.84	NMEA 0183	12	2
662330.4621	4051590.983	31,000	0.068685607	-109.1852165	36.59601067	10/20/2012	105229	1830.86	NMEA 0183	12	2
662329.9654	4051590.911	31,000	0.068685607	-109.1852221	36.5960101	10/20/2012	105316	1830.69	NMEA 0183	12	2
662327.0001	4051598.343	31,000	0.068685607	-109.1852536	36.59607757	10/20/2012	105400	1830.65	NMEA 0183	12	2
662325.1734	4051600.851	31,000	0.068685607	-109.1852735	36.59610048	10/20/2012	105420	1830.36	NMEA 0183	12	2
662322.8796	4051602.343	31,000	0.068685607	-109.1852988	36.59611432	10/20/2012	105430	1830.08	NMEA 0183	12	2
662314.179	4051591.245	31,000	0.068685607	-109.1853984	36.5960158	10/20/2012	105541	1827.48	NMEA 0183	12	2
662313.3171	4051586.263	31,000	0.068685607	-109.1854091	36.59597105	10/20/2012	105555	1827.11	NMEA 0183	12	2
662313.5889	4051585.615	31,000	0.068685607	-109.1854062	36.59596517	10/20/2012	105556	1827.1	NMEA 0183	12	2
662314.5265	4051577.272	31,000	0.068685607	-109.1853975	36.59588983	10/20/2012	105611	1827.04	NMEA 0183	12	2
662314.1898	4051552.058	31,000	0.068685607	-109.1854065	36.59596627	10/20/2012	105912	1826.45	NMEA 0183	12	2
662310.4582	4051572.428	31,000	0.068685607	-109.1854439	36.59584688	10/20/2012	105950	1827.71	NMEA 0183	12	2
662307.0527	4051570.237	31,000	0.068685607	-109.1854825	36.59582772	10/20/2012	110123	1828.14	NMEA 0183	12	2
662315.5503	4051512.484	31,000	0.068685607	-109.1853997	36.59530588	10/20/2012	110647	1825.38	NMEA 0183	12	2
662286.0617	4051570.773	31,000	0.068685607	-109.1857169	36.59583612	10/20/2012	110901	1827.84	NMEA 0183	12	2
662291.498	4051537.457	31,000	0.068685607	-109.1856632	36.5955535	10/20/2012	111226	1827.17	NMEA 0183	12	2
662277.7062	4051549.377	31,000	0.068685607	-109.1858148	36.59564475	10/20/2012	111625	1827.13	NMEA 0183	12	2
662268.4153	4051572.223	31,000	0.068685607	-109.1859138	36.59585218	10/20/2012	111657	1827.73	NMEA 0183	12	2
662276.4819	4051525.748	31,000	0.068685607	-109.1858335	36.59543205	10/20/2012	112335	1827.26	NMEA 0183	12	2
662292.2148	4051496.417	31,000	0.068685607	-109.1856638	36.59516508	10/20/2012	112426	1824.71	NMEA 0183	12	2
662269.4029	4051524.66	31,000	0.068685607	-109.1859128	36.59542345	10/20/2012	112515	1825.35	NMEA 0183	12	2
662263.0406	4051547.467	31,000	0.068685607	-109.1859791	36.59563003	10/20/2012	112629	1826.79	NMEA 0183	12	2
662257.1177	4051553.161	31,000	0.068685607	-109.1860441	36.59568235	10/20/2012	112643	1826.82	NMEA 0183	12	2
662255.2353	4051556.719	31,000	0.068685607	-109.1860643	36.59571473	10/20/2012	112717	1826.81	NMEA 0183	12	2
662249.9341	4051563.776	31,000	0.068685607	-109.1861221	36.59577922	10/20/2012	112843	1826.47	NMEA 0183	12	2
662250.5655	4051562.561	31,000	0.068685607	-109.1861153	36.59576817	10/20/2012	112920	1827	NMEA 0183	12	2
662250.5127	4051562.675	31,000	0.068685607	-109.1861159	36.5957692	10/20/2012	112946	1826.75	NMEA 0183	12	2
662250.5937	4051562.573	31,000	0.068685607	-109.186115	36.59576827	10/20/2012	112959	1826.72	NMEA 0183	12	2
662250.713	4051562.572	31,000	0.068685607	-109.1861136	36.59576823	10/20/2012	113012	1826.68	NMEA 0183	12	2
662249.5433	4051520.8	31,000	0.068685607	-109.1861355	36.59539205	10/20/2012	113212	1826	NMEA 0183	12	2
662253.6993	4051518.239	31,000	0.068685607	-109.1860896	36.59536827	10/20/2012	113505	1825.73	NMEA 0183	12	2
662249.1939	4051512.05	31,000	0.068685607	-109.1861413	36.59531327	10/20/2012	113512	1825.86	NMEA 0183	12	2
662270.7742	4051527.231	31,000	0.068685607	-109.1858969	36.59544638	10/20/2012	113659	1825.94	NMEA 0183	12	2
662270.4307	4051520.229	31,000	0.068685607	-109.1859022	36.59538335	10/20/2012	113905	1825.64	NMEA 0183	12	2
662265.3418	4051502.446	31,000	0.068685607	-109.1859629	36.59522398	10/20/2012	114053	1825.08	NMEA 0183	12	2
662269.7088	4051509.089	31,000	0.068685607	-109.1859127	36.5952831	10/20/2012	114100	1825.19	NMEA 0183	12	2
662276.5868	4051504.554	31,000	0.068685607	-109.1858368	36.59524107	10/20/2012	114319	1824.96	NMEA 0183	12	2
662286.9304	4051490.651	31,000	0.068685607	-109.1857241	36.59511403	10/20/2012	115052	1824.95	NMEA 0183	12	2
662345.283	4051541.486	31,100	0.120720158	-109.1850613	36.59556215	10/20/2012	102829	1827.12	NMEA 0183	12	2
662327.0408	4051536.81	31,100	0.120720158	-109.1852662	36.59552312	10/20/2012	103138	1827.01	NMEA 0183	12	2
662319.1562	4051536.52	31,100	0.120720158	-109.1853543	36.59552185	10/20/2012	103331	1827.62	NMEA 0183	12	2
662330.7213	4051550.021	31,100	0.120720158	-109.1852222	36.59564153	10/20/2012	103354	1827.65	NMEA 0183	12	2
662322.8085	4051550.913	31,100	0.120720158	-109.1853105	36.59565092	10/20/2012	103539	1826.62	NMEA 0183	12	2
662329.4636	4051560.149	31,100	0.120720158	-109.1852342	36.595733	10/20/2012	103602	1826.91	NMEA 0183	12	2
662349.161	4051571.639	31,100	0.120720158	-109.1850116	36.59583318	10/20/2012	103645	1827.06	NMEA 0183	12	2
662317.2731	4051548.885	31,100	0.120720158	-109.1853728	36.59563358	10/20/2012	103743	1826.05	NMEA 0183	12	2
662316.3405	4051550.562	31,100	0.120720158	-109.1853828	36.59564885	10/20/2012	103817	1826.64	NMEA 0183	12	2
662339.1641	4051581.4	31,100	0.120720158	-109.1851213	36.59592283	10/20/2012	103903	1829.91	NMEA 0183	12	2
662333.2133	4051572.148	31,100	0.120720158	-109.1851897	36.59584048	10/20/2012	103932	1827.8	NMEA 0183	12	2
662323.4282	4051565.402	31,100	0.120720158	-109.1853005	36.59578137	10/20/2012	103959	1827.41	NMEA 0183	12	2
662331.5303	4051580.075	31,100	0.120720158	-109.1852069	36.5959122	10/20/2012	104128	1830.55	NMEA 0183	12	2
662333.5527	4051584.579	31,100	0.120720158	-109.1851833	36.59595243	10/20/2012	104135	1830.78	NMEA 0183	12	2
662324.9779	4051577.641	31,100	0.120720158	-109.1852806	36.59589138	10/20/2012	104412	1829.15	NMEA 0183	12	2
662314.435	4051570.51	31,100	0.120720158	-109.1853999	36.59582892	10/20/2012	104555	1827.56	NMEA 0183	12	2
662318.9812	4051579.82	31,100	0.120720158	-109.1853471	36.59591203	10/20/2012	104616	1828.52	NMEA 0183	12	2
662319.1632	4051592.292	31,100	0.120720158	-109.1853425	36.59602438	10/20/2012	104727	1830.54	NMEA 0183	12	2
662328.5382	4051589.478	31,100	0.120720158	-109.1852383	36.59599743	10/20/2012	104824	1830.51	NMEA 0183	12	2
662329.9051	4051589.519	31,100	0.120720158	-109.185223	36.59599757	10/20/2012	104831	1830.68	NMEA 0183	12	2
662328.6899	4051591.634	31,100	0.120720158	-109.1852362	36.59601683	10/20/2012	105013	1831.07	NMEA 0183	12	2
662330.3831	4051590.904	31,100	0.120720158	-109.1852174	36.59600997	10/20/2012	105224	1830.86	NMEA 0183	12	2
662321.6843	4051599.849	31,100	0.120720158	-109.1853127	36.59609205	10/20/2012	105443	1829.57	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662321.6258	4051599.946	31,100	0.120720158	-109.1853133	36.59609293	10/20/2012	105444	1829.59	NMEA 0183	12	2
662321.6439	4051599.778	31,100	0.120720158	-109.1853132	36.59609142	10/20/2012	105451	1829.5	NMEA 0183	12	2
662314.8952	4051578.361	31,100	0.120720158	-109.1853931	36.59589958	10/20/2012	105609	1827.05	NMEA 0183	12	2
662307.5179	4051575.775	31,100	0.120720158	-109.1854761	36.59587753	10/20/2012	110002	1828.33	NMEA 0183	12	2
662308.957	4051562.121	31,100	0.120720158	-109.1854629	36.59575427	10/20/2012	110033	1827.07	NMEA 0183	12	2
662289.7462	4051574.936	31,100	0.120720158	-109.1856749	36.595873	10/20/2012	110506	1827.9	NMEA 0183	12	2
662283.0625	4051576.058	31,100	0.120720158	-109.1857493	36.59588425	10/20/2012	110920	1828.09	NMEA 0183	12	2
662292.1733	4051497.276	31,100	0.120720158	-109.1856641	36.59517283	10/20/2012	112425	1824.78	NMEA 0183	12	2
662255.2041	4051556.717	31,100	0.120720158	-109.1860647	36.59571472	10/20/2012	112718	1826.78	NMEA 0183	12	2
662253.0154	4051561.568	31,100	0.120720158	-109.1860881	36.5957588	10/20/2012	112744	1827.4	NMEA 0183	12	2
662250.4754	4051562.517	31,100	0.120720158	-109.1861163	36.59576778	10/20/2012	112909	1826.84	NMEA 0183	12	2
662250.1994	4051562.205	31,100	0.120720158	-109.1861195	36.59576502	10/20/2012	113034	1826.95	NMEA 0183	12	2
662219.6933	4051484.245	31,100	0.120720158	-109.1864768	36.59506775	10/20/2012	113324	1825.34	NMEA 0183	12	2
662226.1722	4051490.261	31,100	0.120720158	-109.1864031	36.59512085	10/20/2012	113334	1825.17	NMEA 0183	12	2
662261.1908	4051527.257	31,100	0.120720158	-109.186004	36.59544825	10/20/2012	113453	1825.64	NMEA 0183	12	2
662228.7799	4051488.967	31,100	0.120720158	-109.1863743	36.59510875	10/20/2012	113542	1824.97	NMEA 0183	12	2
662226.4472	4051480.435	31,100	0.120720158	-109.1864021	36.59503227	10/20/2012	113551	1824.84	NMEA 0183	12	2
662250.0426	4051500.515	31,100	0.120720158	-109.1861342	36.59520918	10/20/2012	113732	1825.38	NMEA 0183	12	2
662245.4404	4051482.869	31,100	0.120720158	-109.1861894	36.59505097	10/20/2012	113955	1824.96	NMEA 0183	12	2
662259.5399	4051494.466	31,100	0.120720158	-109.1860294	36.59515307	10/20/2012	114043	1825.2	NMEA 0183	12	2
662275.0033	4051501.053	31,100	0.120720158	-109.1858552	36.59520978	10/20/2012	114324	1824.93	NMEA 0183	12	2
662279.7268	4051497.267	31,100	0.120720158	-109.1858032	36.59517487	10/20/2012	114457	1824.7	NMEA 0183	12	2
662287.3704	4051495.55	31,100	0.120720158	-109.1857182	36.5951581	10/20/2012	114710	1824.65	NMEA 0183	12	2
662343.1071	4051536.423	31,200	0.172754709	-109.1850867	36.5955169	10/20/2012	102754	1826.54	NMEA 0183	12	2
662340.9982	4051546.521	31,200	0.172754709	-109.1851081	36.59560825	10/20/2012	103049	1827.89	NMEA 0183	12	2
662336.1405	4051557.57	31,200	0.172754709	-109.1851601	36.59570863	10/20/2012	103435	1828	NMEA 0183	12	2
662326.2599	4051553.279	31,200	0.172754709	-109.1852714	36.59567165	10/20/2012	103453	1827.21	NMEA 0183	12	2
662323.2488	4051551.369	31,200	0.172754709	-109.1853055	36.59565495	10/20/2012	103545	1826.71	NMEA 0183	12	2
662314.9174	4051545.833	31,200	0.172754709	-109.1853997	36.59560648	10/20/2012	103747	1826.07	NMEA 0183	12	2
662329.7412	4051567.56	31,200	0.172754709	-109.1852295	36.59579973	10/20/2012	103838	1827.47	NMEA 0183	12	2
662321.7972	4051562.678	31,200	0.172754709	-109.1853193	36.5957571	10/20/2012	104003	1827.02	NMEA 0183	12	2
662335.807	4051587.546	31,200	0.172754709	-109.1851575	36.59597878	10/20/2012	104142	1830.47	NMEA 0183	12	2
662324.589	4051579.044	31,200	0.172754709	-109.1852846	36.59590408	10/20/2012	104402	1829.48	NMEA 0183	12	2
662324.8565	4051580.199	31,200	0.172754709	-109.1852814	36.59591445	10/20/2012	104415	1829.62	NMEA 0183	12	2
662330.4659	4051591.651	31,200	0.172754709	-109.1852163	36.59601668	10/20/2012	104438	1830.92	NMEA 0183	12	2
662320.1792	4051582.643	31,200	0.172754709	-109.1853332	36.59593727	10/20/2012	104623	1829.72	NMEA 0183	12	2
662317.7364	4051592.661	31,200	0.172754709	-109.1853583	36.59602795	10/20/2012	104659	1830.56	NMEA 0183	12	2
662318.9069	4051592.441	31,200	0.172754709	-109.1853453	36.59602577	10/20/2012	104718	1830.67	NMEA 0183	12	2
662319.2392	4051592.138	31,200	0.172754709	-109.1853417	36.59602298	10/20/2012	104719	1830.7	NMEA 0183	12	2
662328.7853	4051594.244	31,200	0.172754709	-109.1852345	36.59604033	10/20/2012	104816	1830.73	NMEA 0183	12	2
662329.3536	4051591.24	31,200	0.172754709	-109.1852288	36.59601317	10/20/2012	105025	1830.98	NMEA 0183	12	2
662329.377	4051591.264	31,200	0.172754709	-109.1852286	36.59601338	10/20/2012	105038	1831.04	NMEA 0183	12	2
662330.0325	4051590.749	31,200	0.172754709	-109.1852213	36.59600863	10/20/2012	105220	1830.82	NMEA 0183	12	2
662330.4502	4051590.985	31,200	0.172754709	-109.1852166	36.59601068	10/20/2012	105228	1830.85	NMEA 0183	12	2
662321.67	4051599.818	31,200	0.172754709	-109.1853129	36.59609177	10/20/2012	105454	1829.48	NMEA 0183	12	2
662318.1074	4051600.022	31,200	0.172754709	-109.1853526	36.59609422	10/20/2012	105507	1829.01	NMEA 0183	12	2
662315.1052	4051552.95	31,200	0.172754709	-109.1853961	36.59567058	10/20/2012	105901	1826.49	NMEA 0183	12	2
662307.4781	4051571.723	31,200	0.172754709	-109.1854774	36.59584103	10/20/2012	110017	1827.85	NMEA 0183	12	2
662303.3599	4051576.31	31,200	0.172754709	-109.1855224	36.59588307	10/20/2012	110133	1827.83	NMEA 0183	12	2
662259.2647	4051570.343	31,200	0.172754709	-109.1860164	36.5958368	10/20/2012	112158	1828.72	NMEA 0183	12	2
662265.9453	4051551.693	31,200	0.172754709	-109.1859457	36.59566762	10/20/2012	112250	1827.96	NMEA 0183	12	2
662283.4701	4051501.867	31,200	0.172754709	-109.1857604	36.59521568	10/20/2012	112442	1824.92	NMEA 0183	12	2
662271.1293	4051521.857	31,200	0.172754709	-109.1858941	36.5953979	10/20/2012	112510	1825.28	NMEA 0183	12	2
662267.8953	4051526.304	31,200	0.172754709	-109.1859293	36.59543852	10/20/2012	112519	1825.37	NMEA 0183	12	2
662251.5103	4051563.081	31,200	0.172754709	-109.1861046	36.59577268	10/20/2012	112750	1827.17	NMEA 0183	12	2
662250.7401	4051563.665	31,200	0.172754709	-109.1861131	36.59577808	10/20/2012	112759	1826.79	NMEA 0183	12	2
662250.6515	4051563.616	31,200	0.172754709	-109.1861141	36.59577765	10/20/2012	112811	1826.86	NMEA 0183	12	2
662250.5121	4051563.735	31,200	0.172754709	-109.1861156	36.59577875	10/20/2012	112826	1826.84	NMEA 0183	12	2
662250.3004	4051563.727	31,200	0.172754709	-109.186118	36.59577872	10/20/2012	112831	1826.75	NMEA 0183	12	2
662250.4976	4051562.606	31,200	0.172754709	-109.186116	36.59576858	10/20/2012	112929	1826.99	NMEA 0183	12	2
662250.4663	4051562.602	31,200	0.172754709	-109.1861164	36.59576855	10/20/2012	112930	1826.99	NMEA 0183	12	2
662249.4428	4051505.265	31,200	0.172754709	-109.1861399	36.59525208	10/20/2012	113622	1825.14	NMEA 0183	12	2
662268.6918	4051526.851	31,200	0.172754709	-109.1859203	36.59544332	10/20/2012	113656	1825.71	NMEA 0183	12	2
662265.8373	4051509.224	31,200	0.172754709	-109.1859559	36.59528497	10/20/2012	113923	1825.55	NMEA 0183	12	2
662267.4825	4051506.375	31,200	0.172754709	-109.1859381	36.59525902	10/20/2012	114057	1825.3	NMEA 0183	12	2
662271.1426	4051512.779	31,200	0.172754709	-109.1858959	36.5953161	10/20/2012	114104	1825.29	NMEA 0183	12	2
662270.8946	4051484.757	31,200	0.172754709	-109.1859045	36.59506365	10/20/2012	114548	1824.38	NMEA 0183	12	2
662282.5734	4051492.484	31,200	0.172754709	-109.1857724	36.59513128	10/20/2012	114729	1824.82	NMEA 0183	12	2
662309.4454	4051536.028	31,200	0.172754709	-109.1854629	36.59551907	10/20/2012	114857	1826.38	NMEA 0183	12	2
662342.7603	4051539.541	31,300	0.22478926	-109.1850899	36.59554505	10/20/2012	102833	1827.82	NMEA 0183	12	2
662325.6487	4051540.231	31,300	0.22478926	-109.185281	36.59555418	10/20/2012	103302	1827.24	NMEA 0183	12	2
662329.3624	4051561.482	31,300	0.22478926	-109.185235	36.59574503	10/20/2012	103720	1826.69	NMEA 0183	12	2
662313.9459	4051546.495	31,300	0.22478926	-109.1854104	36.59561262	10/20/2012	103813	1826.52	NMEA 0183	12	2
662322.6849	4051577.274	31,300	0.22478926	-109.1853063	36.59588847	10/20/2012	104354	1828.74	NMEA 0183	12	2
662325.217	4051594.042	31,300	0.22478926	-109.1852745	36.59603912	10/20/2012	104513	1830.76	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662319.467	4051577.079	31,300	0.22478926	-109.1853423	36.59588725	10/20/2012	104536	1829.38	NMEA 0183	12	2
662321.5719	4051592.219	31,300	0.22478926	-109.1853156	36.59602332	10/20/2012	104647	1831.16	NMEA 0183	12	2
662318.0594	4051594.67	31,300	0.22478926	-109.1853543	36.596046	10/20/2012	104709	1831.02	NMEA 0183	12	2
662322.7288	4051593.667	31,300	0.22478926	-109.1853023	36.59603617	10/20/2012	104738	1831.15	NMEA 0183	12	2
662327.7878	4051589.49	31,300	0.22478926	-109.1852467	36.59599767	10/20/2012	104823	1830.48	NMEA 0183	12	2
662329.4443	4051591.02	31,300	0.22478926	-109.1852279	36.59601117	10/20/2012	105102	1830.98	NMEA 0183	12	2
662330.1126	4051591.01	31,300	0.22478926	-109.1852204	36.59601097	10/20/2012	105209	1830.92	NMEA 0183	12	2
662326.0482	4051601.042	31,300	0.22478926	-109.1852637	36.59610205	10/20/2012	105414	1830.58	NMEA 0183	12	2
662321.7329	4051599.802	31,300	0.22478926	-109.1853122	36.59609162	10/20/2012	105439	1829.48	NMEA 0183	12	2
662314.8666	4051597.089	31,300	0.22478926	-109.1853895	36.59606833	10/20/2012	105527	1828.03	NMEA 0183	12	2
662313.7115	4051592.781	31,300	0.22478926	-109.1854033	36.59602972	10/20/2012	105538	1827.28	NMEA 0183	12	2
662314.0791	4051575.924	31,300	0.22478926	-109.1854027	36.59587777	10/20/2012	105613	1826.96	NMEA 0183	12	2
662312.73	4051571.469	31,300	0.22478926	-109.1854188	36.59583785	10/20/2012	105624	1826.8	NMEA 0183	12	2
662312.717	4051571.21	31,300	0.22478926	-109.185419	36.59583552	10/20/2012	105628	1826.77	NMEA 0183	12	2
662306.3	4051576.216	31,300	0.22478926	-109.1854896	36.59588172	10/20/2012	110005	1828.12	NMEA 0183	12	2
662299.1549	4051573.575	31,300	0.22478926	-109.18557	36.59585913	10/20/2012	110317	1827.86	NMEA 0183	12	2
662287.4608	4051544.863	31,300	0.22478926	-109.1857067	36.59560242	10/20/2012	111018	1826.96	NMEA 0183	12	2
662276.5373	4051528.66	31,300	0.22478926	-109.1858322	36.59545828	10/20/2012	112329	1827.92	NMEA 0183	12	2
662261.1974	4051550.132	31,300	0.22478926	-109.1859991	36.59565437	10/20/2012	112634	1826.73	NMEA 0183	12	2
662257.4463	4051553.691	31,300	0.22478926	-109.1860403	36.59568707	10/20/2012	112704	1826.83	NMEA 0183	12	2
662250.4765	4051562.539	31,300	0.22478926	-109.1861163	36.59576798	10/20/2012	112912	1826.92	NMEA 0183	12	2
662250.4238	4051562.642	31,300	0.22478926	-109.1861169	36.59576892	10/20/2012	112953	1826.76	NMEA 0183	12	2
662250.4334	4051562.452	31,300	0.22478926	-109.1861168	36.5957672	10/20/2012	113027	1826.71	NMEA 0183	12	2
662245.5546	4051552.504	31,300	0.22478926	-109.1861734	36.5956784	10/20/2012	113126	1826.42	NMEA 0183	12	2
662240.5476	4051503.678	31,300	0.22478926	-109.1862397	36.5952393	10/20/2012	113355	1825.45	NMEA 0183	12	2
662261.1512	4051519.717	31,300	0.22478926	-109.186006	36.59538032	10/20/2012	113639	1825.12	NMEA 0183	12	2
662255.3113	4051506.008	31,300	0.22478926	-109.1860742	36.59525778	10/20/2012	113725	1825.28	NMEA 0183	12	2
662248.4006	4051492.369	31,300	0.22478926	-109.1861543	36.59513607	10/20/2012	113831	1824.83	NMEA 0183	12	2
662258.5383	4051497.59	31,300	0.22478926	-109.1860399	36.59518138	10/20/2012	113936	1825.44	NMEA 0183	12	2
662245.9721	4051483.698	31,300	0.22478926	-109.1861833	36.59505835	10/20/2012	113954	1825.03	NMEA 0183	12	2
662275.6549	4051507.537	31,300	0.22478926	-109.1858465	36.5952681	10/20/2012	114254	1824.95	NMEA 0183	12	2
662258.6108	4051478.502	31,300	0.22478926	-109.1860431	36.59500938	10/20/2012	114354	1824.56	NMEA 0183	12	2
662249.8443	4051464.094	31,300	0.22478926	-109.1861441	36.59488105	10/20/2012	114412	1824.32	NMEA 0183	12	2
662262.3699	4051469.073	31,300	0.22478926	-109.1860031	36.59492378	10/20/2012	114615	1824.22	NMEA 0183	12	2
662279.1984	4051487.492	31,300	0.22478926	-109.1858112	36.59508688	10/20/2012	114641	1824.64	NMEA 0183	12	2
662284.3416	4051489.445	31,300	0.22478926	-109.1857533	36.5951036	10/20/2012	114651	1825.04	NMEA 0183	12	2
662282.1335	4051492.636	31,300	0.22478926	-109.1857773	36.59513273	10/20/2012	114730	1824.86	NMEA 0183	12	2
662340.8923	4051546.523	31,400	0.276823811	-109.1851093	36.59560828	10/20/2012	103050	1827.92	NMEA 0183	12	2
662338.1437	4051557.329	31,400	0.276823811	-109.1851378	36.59570612	10/20/2012	103403	1828.02	NMEA 0183	12	2
662336.3187	4051557.455	31,400	0.276823811	-109.1851581	36.59570757	10/20/2012	103434	1828.05	NMEA 0183	12	2
662313.434	4051540.905	31,400	0.276823811	-109.1854173	36.59556233	10/20/2012	103525	1826.14	NMEA 0183	12	2
662350.0452	4051572.915	31,400	0.276823811	-109.1850015	36.59584453	10/20/2012	103647	1827.19	NMEA 0183	12	2
662313.2399	4051545.496	31,400	0.276823811	-109.1854185	36.59560373	10/20/2012	103812	1826.47	NMEA 0183	12	2
662322.1414	4051576.515	31,400	0.276823811	-109.1853125	36.59588172	10/20/2012	104351	1828.76	NMEA 0183	12	2
662324.5666	4051578.409	31,400	0.276823811	-109.185285	36.59589837	10/20/2012	104403	1829.42	NMEA 0183	12	2
662319.7463	4051577.691	31,400	0.276823811	-109.185339	36.59589272	10/20/2012	104535	1829.33	NMEA 0183	12	2
662316.4546	4051577.133	31,400	0.276823811	-109.1853759	36.59588825	10/20/2012	104610	1828.07	NMEA 0183	12	2
662321.2365	4051598.683	31,400	0.276823811	-109.185318	36.59608162	10/20/2012	104759	1829.92	NMEA 0183	12	2
662326.8107	4051591.312	31,400	0.276823811	-109.1852572	36.59601425	10/20/2012	104820	1830.54	NMEA 0183	12	2
662330.2214	4051590.938	31,400	0.276823811	-109.1852192	36.5960103	10/20/2012	105216	1830.94	NMEA 0183	12	2
662314.3322	4051590.873	31,400	0.276823811	-109.1853968	36.59601242	10/20/2012	105542	1827.49	NMEA 0183	12	2
662314.0067	4051589.47	31,400	0.276823811	-109.1854007	36.59599983	10/20/2012	105548	1827.3	NMEA 0183	12	2
662313.2581	4051589.073	31,400	0.276823811	-109.1854091	36.59599638	10/20/2012	105550	1827.23	NMEA 0183	12	2
662312.8468	4051588.028	31,400	0.276823811	-109.185414	36.59598703	10/20/2012	105552	1827.14	NMEA 0183	12	2
662281.1549	4051525.191	31,400	0.276823811	-109.1857814	36.59542623	10/20/2012	111930	1825.93	NMEA 0183	12	2
662272.2912	4051541.286	31,400	0.276823811	-109.185877	36.59557277	10/20/2012	112009	1827.11	NMEA 0183	12	2
662289.0616	4051495.717	31,400	0.276823811	-109.1856992	36.59515932	10/20/2012	112431	1824.79	NMEA 0183	12	2
662264.7534	4051543.485	31,400	0.276823811	-109.1859608	36.59559387	10/20/2012	112624	1826.5	NMEA 0183	12	2
662257.0962	4051553.273	31,400	0.276823811	-109.1860443	36.59568337	10/20/2012	112644	1826.84	NMEA 0183	12	2
662255.3731	4051556.532	31,400	0.276823811	-109.1860628	36.59571302	10/20/2012	112713	1826.85	NMEA 0183	12	2
662254.2473	4051557.467	31,400	0.276823811	-109.1860752	36.59572163	10/20/2012	112728	1826.68	NMEA 0183	12	2
662251.0246	4051522.212	31,400	0.276823811	-109.1861187	36.59540452	10/20/2012	113210	1826.05	NMEA 0183	12	2
662266.7735	4051529.075	31,400	0.276823811	-109.1859412	36.59546368	10/20/2012	113650	1825.78	NMEA 0183	12	2
662261.1642	4051512.16	31,400	0.276823811	-109.1860075	36.59531222	10/20/2012	113717	1825.27	NMEA 0183	12	2
662236.4592	4051476.986	31,400	0.276823811	-109.186291	36.59499948	10/20/2012	113801	1824.67	NMEA 0183	12	2
662252.4309	4051490.697	31,400	0.276823811	-109.1861096	36.59512032	10/20/2012	113945	1825.24	NMEA 0183	12	2
662273.1477	4051508.485	31,400	0.276823811	-109.1858744	36.59527707	10/20/2012	114123	1825.22	NMEA 0183	12	2
662288.8975	4051494.693	31,400	0.276823811	-109.1857013	36.59515012	10/20/2012	114742	1824.81	NMEA 0183	12	2
662289.8362	4051495.134	31,400	0.276823811	-109.1856907	36.59515393	10/20/2012	114743	1824.86	NMEA 0183	12	2
662293.9581	4051497.461	31,400	0.276823811	-109.1856441	36.5951742	10/20/2012	115041	1825.02	NMEA 0183	12	2
662342.4591	4051554.697	31,500	0.328858362	-109.1850901	36.59568167	10/20/2012	103229	1827.7	NMEA 0183	12	2
662329.433	4051544.792	31,500	0.328858362	-109.1852377	36.59559463	10/20/2012	103255	1827.17	NMEA 0183	12	2
662326.8147	4051553.913	31,500	0.328858362	-109.1852651	36.59567727	10/20/2012	103452	1827.31	NMEA 0183	12	2
662348.1691	4051568.881	31,500	0.328858362	-109.1850233	36.5958085	10/20/2012	103639	1826.94	NMEA 0183	12	2
662347.6352	4051572.748	31,500	0.328858362	-109.1850284	36.59584343	10/20/2012	103654	1827.23	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662338.4508	4051578.181	31,500	0.328858362	-109.1851299	36.59589395	10/20/2012	103855	1829.28	NMEA 0183	12	2
662334.0207	4051573.145	31,500	0.328858362	-109.1851805	36.59584933	10/20/2012	103929	1828.03	NMEA 0183	12	2
662332.9128	4051571.393	31,500	0.328858362	-109.1851932	36.59583373	10/20/2012	103936	1827.66	NMEA 0183	12	2
662325.109	4051568.333	31,500	0.328858362	-109.1852811	36.59580748	10/20/2012	104110	1827.81	NMEA 0183	12	2
662333.8528	4051589.297	31,500	0.328858362	-109.185179	36.5959949	10/20/2012	104148	1831.14	NMEA 0183	12	2
662328.5881	4051579.258	31,500	0.328858362	-109.1852399	36.59590533	10/20/2012	104209	1829.91	NMEA 0183	12	2
662318.5963	4051566.715	31,500	0.328858362	-109.1853542	36.59579402	10/20/2012	104332	1827.36	NMEA 0183	12	2
662324.1945	4051577.188	31,500	0.328858362	-109.1852894	36.59588743	10/20/2012	104407	1829.12	NMEA 0183	12	2
662332.4272	4051591.734	31,500	0.328858362	-109.1851944	36.5960171	10/20/2012	104434	1830.56	NMEA 0183	12	2
662316.825	4051573.241	31,500	0.328858362	-109.1853726	36.59585312	10/20/2012	104547	1828.69	NMEA 0183	12	2
662320.1815	4051580.784	31,500	0.328858362	-109.1853335	36.59592052	10/20/2012	104620	1829.35	NMEA 0183	12	2
662324.0911	4051594.899	31,500	0.328858362	-109.1852869	36.59604703	10/20/2012	104740	1831.16	NMEA 0183	12	2
662323.4064	4051599.723	31,500	0.328858362	-109.1852935	36.59609062	10/20/2012	104752	1830.09	NMEA 0183	12	2
662329.842	4051591.047	31,500	0.328858362	-109.1852234	36.59601135	10/20/2012	105147	1830.72	NMEA 0183	12	2
662330.4747	4051590.948	31,500	0.328858362	-109.1852164	36.59601035	10/20/2012	105233	1830.92	NMEA 0183	12	2
662329.8307	4051591.092	31,500	0.328858362	-109.1852235	36.59601175	10/20/2012	105323	1830.73	NMEA 0183	12	2
662320.8892	4051599.857	31,500	0.328858362	-109.1853216	36.59609225	10/20/2012	105457	1829.23	NMEA 0183	12	2
662314.1985	4051580.027	31,500	0.328858362	-109.1854005	36.59591472	10/20/2012	105605	1827.03	NMEA 0183	12	2
662308.8469	4051576.007	31,500	0.328858362	-109.1854612	36.5958794	10/20/2012	105959	1828.17	NMEA 0183	12	2
662276.5094	4051528.081	31,500	0.328858362	-109.1858327	36.59545307	10/20/2012	112330	1827.76	NMEA 0183	12	2
662276.7106	4051526.196	31,500	0.328858362	-109.1858308	36.59543605	10/20/2012	112334	1827.36	NMEA 0183	12	2
662264.2978	4051544.311	31,500	0.328858362	-109.1859657	36.59560138	10/20/2012	112625	1826.57	NMEA 0183	12	2
662257.698	4051553.313	31,500	0.328858362	-109.1860375	36.59568362	10/20/2012	112700	1826.84	NMEA 0183	12	2
662257.7348	4051553.495	31,500	0.328858362	-109.1860371	36.59568525	10/20/2012	112703	1826.91	NMEA 0183	12	2
662254.7236	4051557.043	31,500	0.328858362	-109.18607	36.59571773	10/20/2012	112727	1826.78	NMEA 0183	12	2
662253.2252	4051561.202	31,500	0.328858362	-109.1860859	36.59575547	10/20/2012	112736	1827.24	NMEA 0183	12	2
662252.2696	4051562.362	31,500	0.328858362	-109.1860963	36.59576608	10/20/2012	112748	1827.24	NMEA 0183	12	2
662250.2363	4051563.571	31,500	0.328858362	-109.1861188	36.59577732	10/20/2012	112830	1826.77	NMEA 0183	12	2
662250.2471	4051563.865	31,500	0.328858362	-109.1861186	36.59577997	10/20/2012	112834	1826.67	NMEA 0183	12	2
662250.5062	4051562.625	31,500	0.328858362	-109.1861159	36.59576875	10/20/2012	112945	1826.77	NMEA 0183	12	2
662250.6338	4051562.578	31,500	0.328858362	-109.1861145	36.5957683	10/20/2012	113006	1826.67	NMEA 0183	12	2
662228.2548	4051491.266	31,500	0.328858362	-109.1863796	36.59512955	10/20/2012	113305	1825.22	NMEA 0183	12	2
662222.3325	4051484.443	31,500	0.328858362	-109.1864473	36.59506908	10/20/2012	113328	1825.28	NMEA 0183	12	2
662267.8844	4051536.516	31,500	0.328858362	-109.1859273	36.59553053	10/20/2012	113434	1826.29	NMEA 0183	12	2
662258.9806	4051516.029	31,500	0.328858362	-109.1860311	36.59534745	10/20/2012	113635	1825.22	NMEA 0183	12	2
662247.7973	4051491.302	31,500	0.328858362	-109.1861613	36.59512655	10/20/2012	113830	1824.87	NMEA 0183	12	2
662240.4645	4051474.189	31,500	0.328858362	-109.1862468	36.5949736	10/20/2012	114005	1824.72	NMEA 0183	12	2
662264.1514	4051499.612	31,500	0.328858362	-109.1859768	36.59519865	10/20/2012	114050	1825.09	NMEA 0183	12	2
662270.2764	4051510.942	31,500	0.328858362	-109.1859059	36.5952997	10/20/2012	114102	1825.25	NMEA 0183	12	2
662287.4778	4051506.924	31,500	0.328858362	-109.1857146	36.59526057	10/20/2012	114516	1825.12	NMEA 0183	12	2
662321.6756	4051518.818	31,500	0.328858362	-109.1853299	36.59536192	10/20/2012	114928	1825.8	NMEA 0183	12	2
662351.8006	4051552.08	31,600	0.380892913	-109.1849863	36.5956565	10/20/2012	102944	1827.05	NMEA 0183	12	2
662343.8454	4051559.634	31,600	0.380892913	-109.1850736	36.59572592	10/20/2012	103409	1827.74	NMEA 0183	12	2
662338.7751	4051581.698	31,600	0.380892913	-109.1851256	36.59592558	10/20/2012	103904	1830.09	NMEA 0183	12	2
662323.0395	4051578.794	31,600	0.380892913	-109.185302	36.5959021	10/20/2012	104358	1829.05	NMEA 0183	12	2
662330.2178	4051590.969	31,600	0.380892913	-109.1852192	36.59601058	10/20/2012	105215	1830.95	NMEA 0183	12	2
662322.8211	4051602.205	31,600	0.380892913	-109.1852995	36.59611308	10/20/2012	105428	1830.07	NMEA 0183	12	2
662319.7299	4051599.641	31,600	0.380892913	-109.1853346	36.5960905	10/20/2012	105501	1829.07	NMEA 0183	12	2
662312.4438	4051569.168	31,600	0.380892913	-109.1854224	36.59581717	10/20/2012	105634	1826.76	NMEA 0183	12	2
662310.5447	4051553.476	31,600	0.380892913	-109.185447	36.5956761	10/20/2012	110046	1826.96	NMEA 0183	12	2
662308.0858	4051560.316	31,600	0.380892913	-109.185473	36.59573815	10/20/2012	110103	1827.19	NMEA 0183	12	2
662295.1375	4051500.874	31,600	0.380892913	-109.1856302	36.59520475	10/20/2012	111851	1824.97	NMEA 0183	12	2
662259.6882	4051565.053	31,600	0.380892913	-109.1860128	36.59578907	10/20/2012	112142	1829.11	NMEA 0183	12	2
662257.0839	4051553.292	31,600	0.380892913	-109.1860444	36.59568353	10/20/2012	112647	1826.81	NMEA 0183	12	2
662250.6715	4051563.664	31,600	0.380892913	-109.1861139	36.59577808	10/20/2012	112803	1826.8	NMEA 0183	12	2
662250.2743	4051563.766	31,600	0.380892913	-109.1861183	36.59577907	10/20/2012	112832	1826.69	NMEA 0183	12	2
662249.5737	4051563.59	31,600	0.380892913	-109.1861262	36.5957776	10/20/2012	112848	1826.24	NMEA 0183	12	2
662250.7561	4051562.5	31,600	0.380892913	-109.1861132	36.59576758	10/20/2012	113019	1826.72	NMEA 0183	12	2
662250.8613	4051535.441	31,600	0.380892913	-109.1861177	36.59552375	10/20/2012	113154	1826.46	NMEA 0183	12	2
662219.9746	4051483.642	31,600	0.380892913	-109.1864738	36.59506227	10/20/2012	113325	1825.26	NMEA 0183	12	2
662268.037	4051511.847	31,600	0.380892913	-109.1859308	36.59530823	10/20/2012	113920	1825.52	NMEA 0183	12	2
662243.273	4051479.323	31,600	0.380892913	-109.1862143	36.59501938	10/20/2012	113959	1824.73	NMEA 0183	12	2
662282.017	4051496.909	31,600	0.380892913	-109.1857777	36.59517125	10/20/2012	114529	1824.82	NMEA 0183	12	2
662289.0156	4051492.466	31,600	0.380892913	-109.1857004	36.59513003	10/20/2012	114706	1824.6	NMEA 0183	12	2
662309.997	4051536.642	31,600	0.380892913	-109.1854569	36.5955155	10/20/2012	114858	1826.39	NMEA 0183	12	2
662342.3323	4051546.643	31,700	0.432927464	-109.1850932	36.59560912	10/20/2012	103033	1827.45	NMEA 0183	12	2
662344.8816	4051560.21	31,700	0.432927464	-109.1850619	36.59573093	10/20/2012	103410	1827.78	NMEA 0183	12	2
662322.9436	4051548.025	31,700	0.432927464	-109.1853096	36.59562487	10/20/2012	103502	1826.93	NMEA 0183	12	2
662322.9019	4051565.47	31,700	0.432927464	-109.1853064	36.59578207	10/20/2012	104106	1827.54	NMEA 0183	12	2
662317.9159	4051565.703	31,700	0.432927464	-109.185362	36.59578502	10/20/2012	104328	1827.29	NMEA 0183	12	2
662323.5013	4051589.958	31,700	0.432927464	-109.1852945	36.59600262	10/20/2012	104519	1830.68	NMEA 0183	12	2
662322.8092	4051599.677	31,700	0.432927464	-109.1853002	36.5960903	10/20/2012	104753	1830.06	NMEA 0183	12	2
662321.6582	4051599.02	31,700	0.432927464	-109.1853132	36.59608458	10/20/2012	104755	1830	NMEA 0183	12	2
662330.8044	4051591.97	31,700	0.432927464	-109.1852125	36.5960195	10/20/2012	105135	1829.54	NMEA 0183	12	2
662330.3061	4051590.956	31,700	0.432927464	-109.1852182	36.59601045	10/20/2012	105223	1830.86	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662329.3837	4051595.489	31,700	0.432927464	-109.1852276	36.59605145	10/20/2012	105346	1830.97	NMEA 0183	12	2
662321.8336	4051599.997	31,700	0.432927464	-109.185311	36.59609335	10/20/2012	105438	1829.53	NMEA 0183	12	2
662314.8779	4051599.177	31,700	0.432927464	-109.1853889	36.59608715	10/20/2012	105520	1827.83	NMEA 0183	12	2
662314.7608	4051595.113	31,700	0.432927464	-109.1853911	36.59605055	10/20/2012	105533	1827.51	NMEA 0183	12	2
662307.0901	4051563.362	31,700	0.432927464	-109.1854835	36.59576577	10/20/2012	110110	1827.2	NMEA 0183	12	2
662269.1279	4051572.318	31,700	0.432927464	-109.1859058	36.59585292	10/20/2012	111656	1827.73	NMEA 0183	12	2
662283.822	4051506.925	31,700	0.432927464	-109.1857554	36.5952612	10/20/2012	112406	1824.96	NMEA 0183	12	2
662255.2126	4051556.739	31,700	0.432927464	-109.1860646	36.59571492	10/20/2012	112716	1826.8	NMEA 0183	12	2
662250.7347	4051563.636	31,700	0.432927464	-109.1861132	36.59577782	10/20/2012	112754	1826.79	NMEA 0183	12	2
662249.9908	4051563.771	31,700	0.432927464	-109.1861215	36.59577917	10/20/2012	112840	1826.49	NMEA 0183	12	2
662249.305	4051563.442	31,700	0.432927464	-109.1861292	36.59577632	10/20/2012	112855	1826.13	NMEA 0183	12	2
662249.0266	4051562.784	31,700	0.432927464	-109.1861324	36.59577043	10/20/2012	112857	1827.69	NMEA 0183	12	2
662250.5552	4051562.554	31,700	0.432927464	-109.1861154	36.5957681	10/20/2012	112933	1826.67	NMEA 0183	12	2
662248.0172	4051513.234	31,700	0.432927464	-109.1861542	36.59532413	10/20/2012	113406	1825.55	NMEA 0183	12	2
662265.5955	4051514.13	31,700	0.432927464	-109.1859576	36.59532922	10/20/2012	113858	1825.66	NMEA 0183	12	2
662268.0271	4051516.401	31,700	0.432927464	-109.1859299	36.59534927	10/20/2012	113901	1825.56	NMEA 0183	12	2
662333.3267	4051575.539	31,800	0.484962015	-109.1851877	36.59587102	10/20/2012	103919	1828.49	NMEA 0183	12	2
662322.9755	4051564.733	31,800	0.484962015	-109.1853057	36.59577542	10/20/2012	104000	1827.29	NMEA 0183	12	2
662321.1527	4051560.955	31,800	0.484962015	-109.1853269	36.59574168	10/20/2012	104005	1826.9	NMEA 0183	12	2
662329.3698	4051591.253	31,800	0.484962015	-109.1852286	36.59601328	10/20/2012	105037	1831.05	NMEA 0183	12	2
662330.8149	4051591.893	31,800	0.484962015	-109.1852124	36.5960188	10/20/2012	105134	1829.64	NMEA 0183	12	2
662330.4552	4051590.957	31,800	0.484962015	-109.1852166	36.59601043	10/20/2012	105232	1830.88	NMEA 0183	12	2
662321.5281	4051599.985	31,800	0.484962015	-109.1853144	36.59609033	10/20/2012	105446	1829.59	NMEA 0183	12	2
662321.646	4051599.902	31,800	0.484962015	-109.1853131	36.59609253	10/20/2012	105455	1829.45	NMEA 0183	12	2
662315.2816	4051596.044	31,800	0.484962015	-109.1853851	36.59605885	10/20/2012	105531	1827.95	NMEA 0183	12	2
662309.9242	4051553.243	31,800	0.484962015	-109.185454	36.5956741	10/20/2012	110047	1827.02	NMEA 0183	12	2
662271.574	4051568.291	31,800	0.484962015	-109.1858793	36.59581622	10/20/2012	111648	1827.55	NMEA 0183	12	2
662270.9977	4051569.586	31,800	0.484962015	-109.1858855	36.59582798	10/20/2012	111650	1827.88	NMEA 0183	12	2
662293.0407	4051501.652	31,800	0.484962015	-109.1856535	36.59521212	10/20/2012	111855	1824.77	NMEA 0183	12	2
662271.6942	4051520.534	31,800	0.484962015	-109.1858881	36.59538588	10/20/2012	112508	1825.31	NMEA 0183	12	2
662259.668	4051551.507	31,800	0.484962015	-109.1860159	36.59566702	10/20/2012	112637	1826.59	NMEA 0183	12	2
662253.1913	4051561.179	31,800	0.484962015	-109.1860862	36.59575527	10/20/2012	112741	1827.39	NMEA 0183	12	2
662253.1852	4051561.264	31,800	0.484962015	-109.1860863	36.59575603	10/20/2012	112743	1827.42	NMEA 0183	12	2
662250.6671	4051563.658	31,800	0.484962015	-109.1861139	36.59577803	10/20/2012	112756	1826.75	NMEA 0183	12	2
662250.5507	4051562.559	31,800	0.484962015	-109.1861155	36.59576815	10/20/2012	112938	1826.76	NMEA 0183	12	2
662250.5681	4051562.665	31,800	0.484962015	-109.1861152	36.5957691	10/20/2012	112948	1826.74	NMEA 0183	12	2
662270.4275	4051524.504	31,800	0.484962015	-109.1859014	36.59542187	10/20/2012	113702	1825.6	NMEA 0183	12	2
662269.7821	4051522.272	31,800	0.484962015	-109.1859091	36.59540187	10/20/2012	113704	1826.04	NMEA 0183	12	2
662240.552	4051480.77	31,800	0.484962015	-109.1862444	36.59503288	10/20/2012	113817	1824.63	NMEA 0183	12	2
662273.3114	4051499.972	31,800	0.484962015	-109.1858743	36.59520033	10/20/2012	114246	1825.01	NMEA 0183	12	2
662277.0695	4051509.635	31,800	0.484962015	-109.1858303	36.59528677	10/20/2012	114257	1825.12	NMEA 0183	12	2
662249.439	4051464.864	31,800	0.484962015	-109.1861485	36.59488805	10/20/2012	114411	1824.35	NMEA 0183	12	2
662285.6107	4051503.04	31,800	0.484962015	-109.1857362	36.59522588	10/20/2012	114521	1824.99	NMEA 0183	12	2
662293.6412	4051500.498	31,800	0.484962015	-109.185647	36.59520162	10/20/2012	114753	1825.08	NMEA 0183	12	2
662327.6088	4051527.189	31,800	0.484962015	-109.1852618	36.59543633	10/20/2012	114945	1826.05	NMEA 0183	12	2
662290.9382	4051491.593	31,900	0.536996566	-109.1856791	36.59512183	10/20/2012	102645	1825.52	NMEA 0183	12	2
662341.2903	4051561.145	31,900	0.536996566	-109.1851018	36.59573997	10/20/2012	103427	1828.08	NMEA 0183	12	2
662336.0349	4051575.24	31,900	0.536996566	-109.1851575	36.59586787	10/20/2012	103849	1828.41	NMEA 0183	12	2
662330.2245	4051595.433	31,900	0.536996566	-109.1852182	36.5960508	10/20/2012	104502	1830.93	NMEA 0183	12	2
662320.3279	4051585.356	31,900	0.536996566	-109.1853309	36.59596168	10/20/2012	104629	1830.17	NMEA 0183	12	2
662322.501	4051592.853	31,900	0.536996566	-109.1853051	36.59602887	10/20/2012	104649	1831.37	NMEA 0183	12	2
662321.2393	4051598.694	31,900	0.536996566	-109.1853179	36.59608172	10/20/2012	104800	1829.93	NMEA 0183	12	2
662328.7204	4051591.598	31,900	0.536996566	-109.1852358	36.5960165	10/20/2012	105014	1831.07	NMEA 0183	12	2
662330.5452	4051591.011	31,900	0.536996566	-109.1852156	36.5960109	10/20/2012	105227	1830.9	NMEA 0183	12	2
662329.4618	4051591.353	31,900	0.536996566	-109.1852276	36.59601417	10/20/2012	105329	1830.74	NMEA 0183	12	2
662322.1464	4051600.258	31,900	0.536996566	-109.1853075	36.59609565	10/20/2012	105436	1829.55	NMEA 0183	12	2
662312.9189	4051587.446	31,900	0.536996566	-109.1854133	36.59598178	10/20/2012	105553	1827.12	NMEA 0183	12	2
662314.2741	4051579.42	31,900	0.536996566	-109.1853998	36.59590923	10/20/2012	105606	1827.03	NMEA 0183	12	2
662314.3157	4051576.585	31,900	0.536996566	-109.1854	36.59588368	10/20/2012	105612	1827	NMEA 0183	12	2
662312.8406	4051572.64	31,900	0.536996566	-109.1854173	36.59584838	10/20/2012	105621	1826.86	NMEA 0183	12	2
662282.5982	4051555.858	31,900	0.536996566	-109.1857588	36.59570232	10/20/2012	111003	1827.09	NMEA 0183	12	2
662295.2537	4051501.198	31,900	0.536996566	-109.1856289	36.59520765	10/20/2012	111850	1824.99	NMEA 0183	12	2
662253.1915	4051561.172	31,900	0.536996566	-109.1860862	36.5957552	10/20/2012	112742	1827.4	NMEA 0183	12	2
662250.8176	4051563.43	31,900	0.536996566	-109.1861123	36.59577595	10/20/2012	112752	1826.82	NMEA 0183	12	2
662250.6841	4051563.631	31,900	0.536996566	-109.1861137	36.5957778	10/20/2012	112802	1826.79	NMEA 0183	12	2
662249.9119	4051563.764	31,900	0.536996566	-109.1861223	36.59577912	10/20/2012	112836	1826.57	NMEA 0183	12	2
662249.5305	4051563.666	31,900	0.536996566	-109.1861266	36.5957783	10/20/2012	112853	1826.24	NMEA 0183	12	2
662228.128	4051492.214	31,900	0.536996566	-109.1863809	36.59513812	10/20/2012	113306	1825.24	NMEA 0183	12	2
662225.6574	4051489.243	31,900	0.536996566	-109.1864091	36.59511177	10/20/2012	113333	1825.25	NMEA 0183	12	2
662269.7929	4051514.67	31,900	0.536996566	-109.1859105	36.59533337	10/20/2012	113917	1825.68	NMEA 0183	12	2
662270.227	4051509.924	31,900	0.536996566	-109.1859067	36.59529053	10/20/2012	114101	1825.22	NMEA 0183	12	2
662263.4606	4051494.805	31,900	0.536996566	-109.1859855	36.59515545	10/20/2012	114141	1825.27	NMEA 0183	12	2
662268.2746	4051495.075	31,900	0.536996566	-109.1859316	36.59515707	10/20/2012	114239	1824.96	NMEA 0183	12	2
662285.0813	4051502.244	31,900	0.536996566	-109.1857423	36.5952188	10/20/2012	114522	1824.96	NMEA 0183	12	2
662284.2109	4051500.71	31,900	0.536996566	-109.1857524	36.59520513	10/20/2012	114524	1824.97	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662289.0909	4051492.427	31,900	0.536996566	-109.1856996	36.59512967	10/20/2012	115049	1824.9	NMEA 0183	12	2
662326.7301	4051562.18	32,000	0.589031117	-109.1852643	36.59575177	10/20/2012	103832	1827.2	NMEA 0183	12	2
662337.9076	4051577.014	32,000	0.589031117	-109.1851362	36.59588353	10/20/2012	103853	1829.16	NMEA 0183	12	2
662322.3485	4051599.823	32,000	0.589031117	-109.1853053	36.5960917	10/20/2012	104754	1830.07	NMEA 0183	12	2
662329.6599	4051591.055	32,000	0.589031117	-109.1852254	36.59601145	10/20/2012	105111	1830.92	NMEA 0183	12	2
662330.4166	4051590.947	32,000	0.589031117	-109.1852171	36.59601035	10/20/2012	105240	1830.9	NMEA 0183	12	2
662324.9109	4051601.166	32,000	0.589031117	-109.1852764	36.59610337	10/20/2012	105421	1830.29	NMEA 0183	12	2
662323.8796	4051601.676	32,000	0.589031117	-109.1852878	36.59610813	10/20/2012	105424	1829.96	NMEA 0183	12	2
662323.5164	4051602.189	32,000	0.589031117	-109.1852917	36.59611282	10/20/2012	105425	1830	NMEA 0183	12	2
662322.3537	4051600.892	32,000	0.589031117	-109.185305	36.59610133	10/20/2012	105435	1829.58	NMEA 0183	12	2
662314.4516	4051594.741	32,000	0.589031117	-109.1853946	36.59604725	10/20/2012	105534	1827.39	NMEA 0183	12	2
662303.893	4051575.806	32,000	0.589031117	-109.1855166	36.59587843	10/20/2012	110132	1827.86	NMEA 0183	12	2
662276.4142	4051529.256	32,000	0.589031117	-109.1858335	36.59546367	10/20/2012	112328	1827.97	NMEA 0183	12	2
662249.8849	4051563.694	32,000	0.589031117	-109.1861227	36.59577848	10/20/2012	112838	1826.54	NMEA 0183	12	2
662248.7015	4051514.197	32,000	0.589031117	-109.1861463	36.5953327	10/20/2012	113407	1825.53	NMEA 0183	12	2
662258.8936	4051509.816	32,000	0.589031117	-109.1860334	36.59529148	10/20/2012	113720	1825.34	NMEA 0183	12	2
662269.322	4051513.779	32,000	0.589031117	-109.185916	36.59532542	10/20/2012	113918	1825.72	NMEA 0183	12	2
662284.2472	4051489.939	32,000	0.589031117	-109.1857542	36.59510807	10/20/2012	114652	1825.07	NMEA 0183	12	2
662315.7523	4051510.871	32,000	0.589031117	-109.1853978	36.59529132	10/20/2012	115011	1825.72	NMEA 0183	12	2
662326.2514	4051540.857	32,100	0.641065668	-109.1852741	36.59555972	10/20/2012	103301	1827.32	NMEA 0183	12	2
662334.5218	4051563.438	32,100	0.641065668	-109.1851769	36.59576178	10/20/2012	103610	1827.52	NMEA 0183	12	2
662328.4365	4051560.991	32,100	0.641065668	-109.1852455	36.59574077	10/20/2012	103721	1826.59	NMEA 0183	12	2
662334.9216	4051585.306	32,100	0.641065668	-109.1851679	36.59595875	10/20/2012	104137	1830.35	NMEA 0183	12	2
662330.5564	4051589.232	32,100	0.641065668	-109.1852158	36.59599487	10/20/2012	104430	1830.89	NMEA 0183	12	2
662322.6058	4051601.598	32,100	0.641065668	-109.185302	36.59610765	10/20/2012	105433	1829.95	NMEA 0183	12	2
662317.7803	4051599.813	32,100	0.641065668	-109.1853563	36.59609238	10/20/2012	105509	1829.02	NMEA 0183	12	2
662250.6954	4051562.555	32,100	0.641065668	-109.1861138	36.59576808	10/20/2012	113011	1826.67	NMEA 0183	12	2
662268.0353	4051530.499	32,100	0.641065668	-109.1859268	36.5954763	10/20/2012	113445	1825.67	NMEA 0183	12	2
662225.6941	4051480.903	32,100	0.641065668	-109.1864104	36.59503662	10/20/2012	113550	1824.79	NMEA 0183	12	2
662239.5675	4051484.646	32,100	0.641065668	-109.1862546	36.59506798	10/20/2012	113749	1824.84	NMEA 0183	12	2
662287.1311	4051505.301	32,100	0.641065668	-109.1857188	36.595246	10/20/2012	114518	1825.28	NMEA 0183	12	2
662271.8052	4051485.349	32,100	0.641065668	-109.1858942	36.59506883	10/20/2012	114547	1824.5	NMEA 0183	12	2
662349.5002	4051569.239	32,200	0.693100219	-109.1850083	36.5958115	10/20/2012	103641	1826.74	NMEA 0183	12	2
662327.5325	4051575.844	32,200	0.693100219	-109.1852524	36.59587475	10/20/2012	104214	1828.77	NMEA 0183	12	2
662322.623	4051577.471	32,200	0.693100219	-109.1853069	36.59589025	10/20/2012	104356	1828.73	NMEA 0183	12	2
662317.0443	4051573.709	32,200	0.693100219	-109.1853701	36.5958573	10/20/2012	104546	1828.72	NMEA 0183	12	2
662328.7579	4051591.589	32,200	0.693100219	-109.1852354	36.59601642	10/20/2012	105015	1831.09	NMEA 0183	12	2
662328.7392	4051591.709	32,200	0.693100219	-109.1852356	36.5960175	10/20/2012	105020	1830.97	NMEA 0183	12	2
662321.6662	4051599.86	32,200	0.693100219	-109.1853129	36.59609215	10/20/2012	105442	1829.52	NMEA 0183	12	2
662318.6328	4051600.082	32,200	0.693100219	-109.1853468	36.59609467	10/20/2012	105505	1829.06	NMEA 0183	12	2
662249.9731	4051563.764	32,200	0.693100219	-109.1861217	36.5957791	10/20/2012	112839	1826.54	NMEA 0183	12	2
662270.9695	4051526.608	32,200	0.693100219	-109.1858949	36.59544073	10/20/2012	113700	1825.87	NMEA 0183	12	2
662272.8653	4051520.756	32,200	0.693100219	-109.1858749	36.59538768	10/20/2012	113911	1825.56	NMEA 0183	12	2
662318.6074	4051567.233	32,300	0.745134769	-109.185354	36.59579868	10/20/2012	104333	1827.43	NMEA 0183	12	2
662319.4179	4051580.074	32,300	0.745134769	-109.1853422	36.59591425	10/20/2012	104617	1828.64	NMEA 0183	12	2
662318.6313	4051592.896	32,300	0.745134769	-109.1853483	36.59602992	10/20/2012	104717	1830.88	NMEA 0183	12	2
662321.1029	4051598.731	32,300	0.745134769	-109.1853194	36.59608207	10/20/2012	104756	1829.99	NMEA 0183	12	2
662329.9182	4051590.958	32,300	0.745134769	-109.1852226	36.59601053	10/20/2012	105312	1830.71	NMEA 0183	12	2
662321.5856	4051599.942	32,300	0.745134769	-109.1853138	36.5960929	10/20/2012	105445	1829.59	NMEA 0183	12	2
662319.6721	4051599.464	32,300	0.745134769	-109.1853353	36.59608892	10/20/2012	105502	1829.05	NMEA 0183	12	2
662317.5002	4051599.796	32,300	0.745134769	-109.1853595	36.59609228	10/20/2012	105510	1829	NMEA 0183	12	2
662316.6553	4051599.357	32,300	0.745134769	-109.185369	36.59608847	10/20/2012	105513	1828.76	NMEA 0183	12	2
662293.746	4051552.761	32,300	0.745134769	-109.1856348	36.59567252	10/20/2012	110542	1826.5	NMEA 0183	12	2
662257.8524	4051553.428	32,300	0.745134769	-109.1860358	36.59568463	10/20/2012	112701	1826.87	NMEA 0183	12	2
662251.13	4051563.234	32,300	0.745134769	-109.1861088	36.59577413	10/20/2012	112751	1826.82	NMEA 0183	12	2
662250.4901	4051562.606	32,300	0.745134769	-109.1861161	36.59576858	10/20/2012	112943	1826.77	NMEA 0183	12	2
662253.5923	4051520.427	32,300	0.745134769	-109.1860904	36.595388	10/20/2012	113414	1825.45	NMEA 0183	12	2
662334.0587	4051573.664	32,400	0.79716932	-109.18518	36.595854	10/20/2012	103925	1828.03	NMEA 0183	12	2
662322.7514	4051601.867	32,400	0.79716932	-109.1853004	36.59611005	10/20/2012	105432	1830.03	NMEA 0183	12	2
662314.539	4051590.509	32,400	0.79716932	-109.1853945	36.5960091	10/20/2012	105543	1827.54	NMEA 0183	12	2
662291.517	4051556.985	32,400	0.79716932	-109.1856589	36.59571095	10/20/2012	110536	1826.58	NMEA 0183	12	2
662260.1064	4051564.551	32,400	0.79716932	-109.1860083	36.59578447	10/20/2012	112141	1829.03	NMEA 0183	12	2
662257.2746	4051571.154	32,400	0.79716932	-109.1860385	36.59584445	10/20/2012	112152	1828.95	NMEA 0183	12	2
662249.3954	4051563.553	32,400	0.79716932	-109.1861282	36.5957773	10/20/2012	112854	1826.09	NMEA 0183	12	2
662250.5818	4051562.647	32,400	0.79716932	-109.1861151	36.59576893	10/20/2012	112921	1826.98	NMEA 0183	12	2
662250.4902	4051562.68	32,400	0.79716932	-109.1861161	36.59576925	10/20/2012	112925	1827	NMEA 0183	12	2
662270.3017	4051527.061	32,400	0.79716932	-109.1859022	36.59544493	10/20/2012	113658	1825.8	NMEA 0183	12	2
662323.9403	4051599.565	32,500	0.849203871	-109.1852876	36.5960891	10/20/2012	104751	1830.12	NMEA 0183	12	2
662327.7568	4051596.896	32,500	0.849203871	-109.1852455	36.5960644	10/20/2012	105357	1830.54	NMEA 0183	12	2
662253.2657	4051561.19	32,500	0.849203871	-109.1860854	36.59575535	10/20/2012	112734	1827.2	NMEA 0183	12	2
662250.9014	4051508.039	32,500	0.849203871	-109.186123	36.59527683	10/20/2012	113625	1825.32	NMEA 0183	12	2
662277.2428	4051510.493	32,500	0.849203871	-109.1858282	36.59529447	10/20/2012	114258	1825.13	NMEA 0183	12	2
662323.5762	4051551.962	32,600	0.901238422	-109.1853017	36.59566023	10/20/2012	103551	1826.61	NMEA 0183	12	2
662349.5821	4051572.402	32,600	0.901238422	-109.1850068	36.59583998	10/20/2012	103646	1827.19	NMEA 0183	12	2
662321.6451	4051599.871	32,600	0.901238422	-109.1853131	36.59609225	10/20/2012	105447	1829.57	NMEA 0183	12	2



**Soil Borrow Source**  
**Gamma Activity Scan Concentrations**

662317.1019	4051599.406	32,600	0.901238422	-109.185364	36.59608883	10/20/2012	105512	1828.76	NMEA 0183	12	2
662314.2602	4051598.873	32,600	0.901238422	-109.1853959	36.59608452	10/20/2012	105522	1827.6	NMEA 0183	12	2
662249.3067	4051563.433	32,600	0.901238422	-109.1861292	36.59577623	10/20/2012	112856	1826.13	NMEA 0183	12	2
662250.422	4051562.501	32,600	0.901238422	-109.1861169	36.59576765	10/20/2012	112910	1826.87	NMEA 0183	12	2
662250.4703	4051562.549	32,600	0.901238422	-109.1861164	36.59576807	10/20/2012	112913	1826.95	NMEA 0183	12	2
662274.5025	4051510.12	32,600	0.901238422	-109.1858589	36.59529157	10/20/2012	114121	1825.18	NMEA 0183	12	2
662353.3269	4051548.974	32,700	0.953272973	-109.1849699	36.59562825	10/20/2012	102817	1827.22	NMEA 0183	12	2
662323.9362	4051549.562	32,700	0.953272973	-109.1852982	36.59563855	10/20/2012	103500	1826.93	NMEA 0183	12	2
662321.5432	4051575.103	32,700	0.953272973	-109.1853195	36.5958691	10/20/2012	104349	1828.72	NMEA 0183	12	2
662316.4733	4051599.281	32,700	0.953272973	-109.1853711	36.59608782	10/20/2012	105514	1828.68	NMEA 0183	12	2
662315.1995	4051596.758	32,700	0.953272973	-109.1853858	36.5960653	10/20/2012	105529	1828.06	NMEA 0183	12	2
662315.1283	4051596.581	32,700	0.953272973	-109.1853867	36.59606372	10/20/2012	105530	1828.02	NMEA 0183	12	2
662314.5906	4051590.145	32,700	0.953272973	-109.185394	36.59600582	10/20/2012	105546	1827.48	NMEA 0183	12	2
662313.7168	4051584.922	32,700	0.953272973	-109.1854049	36.5959589	10/20/2012	105557	1827.06	NMEA 0183	12	2
662250.725	4051562.487	32,700	0.953272973	-109.1861135	36.59576747	10/20/2012	113022	1826.74	NMEA 0183	12	2
662225.4746	4051481.782	32,700	0.953272973	-109.1864127	36.59504457	10/20/2012	113549	1824.84	NMEA 0183	12	2
662269.4855	4051527.075	32,700	0.953272973	-109.1859114	36.5954452	10/20/2012	113657	1825.73	NMEA 0183	12	2
662256.1222	4051470.248	32,700	0.953272973	-109.1860727	36.59493543	10/20/2012	114421	1824.54	NMEA 0183	12	2
662323.4003	4051548.795	32,800	1.005307524	-109.1853043	36.59563173	10/20/2012	103501	1826.96	NMEA 0183	12	2
662324.6405	4051577.894	32,800	1.005307524	-109.1852843	36.59589372	10/20/2012	104404	1829.4	NMEA 0183	12	2
662324.5909	4051599.472	32,800	1.005307524	-109.1852803	36.59608815	10/20/2012	104750	1830.3	NMEA 0183	12	2
662315.4538	4051599.562	32,800	1.005307524	-109.1853824	36.59609052	10/20/2012	105518	1828.09	NMEA 0183	12	2
662315.0977	4051599.383	32,800	1.005307524	-109.1853864	36.59608897	10/20/2012	105519	1827.92	NMEA 0183	12	2
662249.8694	4051563.649	32,800	1.005307524	-109.1861228	36.59577808	10/20/2012	112837	1826.57	NMEA 0183	12	2
662250.5377	4051562.613	32,800	1.005307524	-109.1861156	36.59576863	10/20/2012	112940	1826.75	NMEA 0183	12	2
662250.736	4051562.537	32,800	1.005307524	-109.1861134	36.59576792	10/20/2012	113014	1826.68	NMEA 0183	12	2
662240.2453	4051485.564	32,800	1.005307524	-109.1862469	36.59507613	10/20/2012	113748	1824.81	NMEA 0183	12	2
662317.2858	4051599.378	32,900	1.057342075	-109.185362	36.59608855	10/20/2012	105511	1828.79	NMEA 0183	12	2
662314.8372	4051590.196	32,900	1.057342075	-109.1853913	36.59600623	10/20/2012	105545	1827.51	NMEA 0183	12	2
662250.6417	4051562.713	32,900	1.057342075	-109.1861144	36.59576952	10/20/2012	112922	1826.97	NMEA 0183	12	2
662250.735	4051562.515	32,900	1.057342075	-109.1861134	36.59576772	10/20/2012	113020	1826.73	NMEA 0183	12	2
662268.5463	4051517.337	32,900	1.057342075	-109.1859239	36.59535762	10/20/2012	113902	1825.62	NMEA 0183	12	2
662269.0914	4051518.565	32,900	1.057342075	-109.1859176	36.59536858	10/20/2012	113903	1825.24	NMEA 0183	12	2
662272.3741	4051514.543	32,900	1.057342075	-109.1858817	36.59533178	10/20/2012	114106	1825.25	NMEA 0183	12	2