

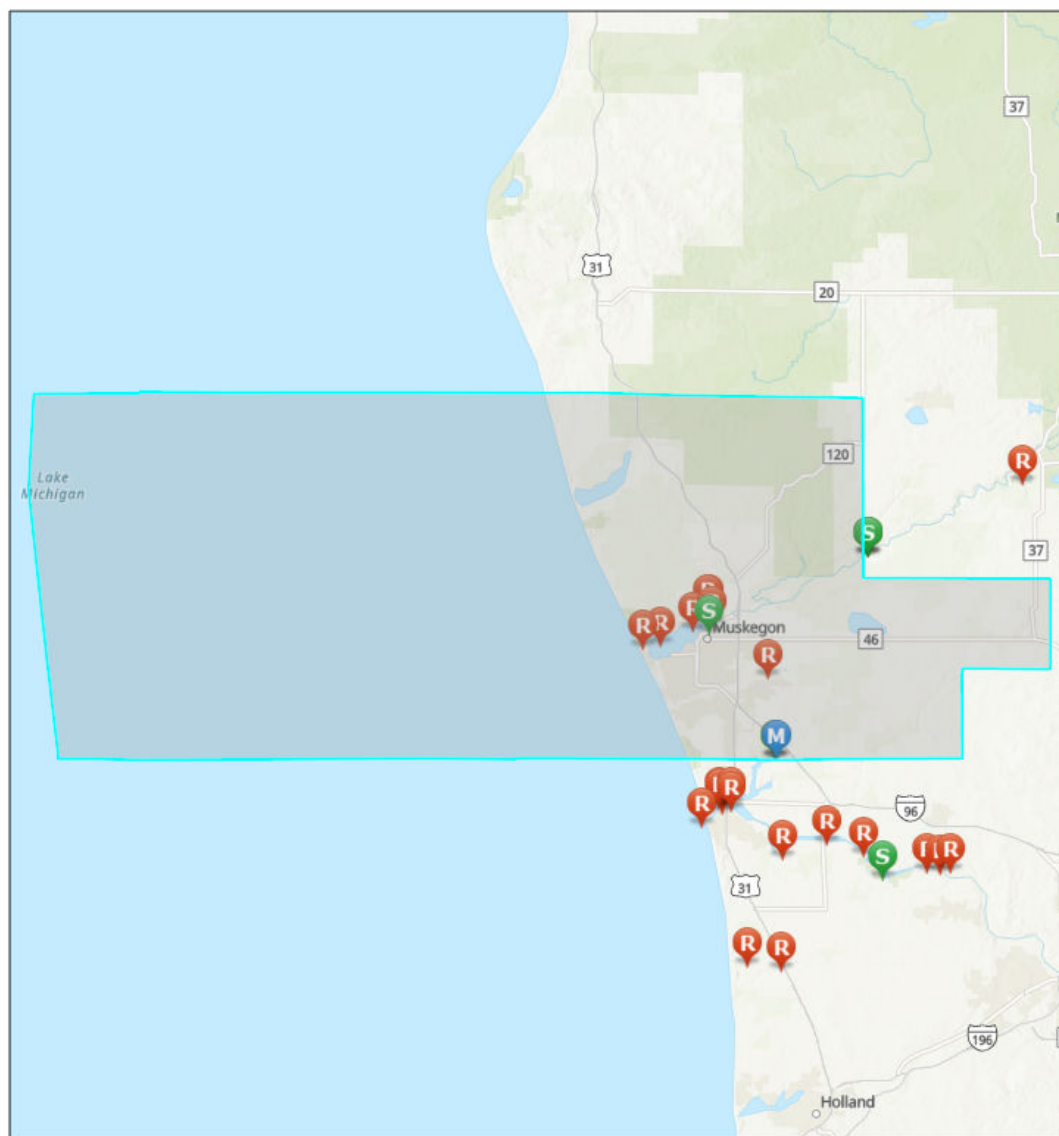


County Fact Sheet Report

Area of Interest (AOI) Information

Area : 934,420.07 acres

Sep 3 2020 14:43:9 Eastern Daylight Time



GRP Response Strategy Survey



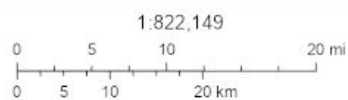
Response Data Sheet



Staging Area Only Data Sheet



Monitoring Data Sheet



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N. Robinson, NCEAS, NLS, OS, NMA, Geodatastrijken, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community. Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Upper Mississippi River Basin Association, Great Lakes Commission, USEPA

Muskegon County, Michigan

Summary

Name	Count	Area(acres)	Length(mi)
Local EOC	1	N/A	N/A
Public Health Departments	1	N/A	N/A
County Contacts	1	934,420.07	N/A
State Contacts	1	934,420.07	N/A
Major Cities and Towns	13	N/A	N/A
Tribal Lands	0	0	N/A
Tribal Lands (Cont'd)	0	0	N/A
Hospitals	3	N/A	N/A
Hospitals (Cont'd)	3	N/A	N/A
Urgent Care Facilities	5	N/A	N/A
Water Intakes	7	N/A	N/A
Water Intakes (Cont'd)	7	N/A	N/A
Wastewater Treatment Facilities	4	N/A	N/A
Special Designated Areas	135	6,570.22	N/A
Special Designated Areas (Cont'd)	135	6,570.22	N/A
Managed Lands	7	4,410.21	N/A
Managed Lands (Cont'd)	7	4,410.21	N/A
Other Environmentally Sensitive Areas	1	1,317.25	N/A
Other Environmentally Sensitive Areas (Cont'd)	1	1,317.25	N/A
Historic Places	0	N/A	N/A
Archaeological Sites	0	0	N/A
Threatened and Endangered Species	7	6,540,940.49	N/A
Aboveground Storage Tanks	2	N/A	N/A
Aboveground Storage Tanks (Cont'd)	2	N/A	N/A
Hazardous Materials Storage	32	N/A	N/A
Hazardous Materials Storage (Cont'd)	32	N/A	N/A
Facility Response Plan (FRP) Facilities	1	N/A	N/A
Risk Management Plan (RMP) Facilities	10	N/A	N/A
EPLAN/Tier II Facilities	109	N/A	N/A
Railroads	5	N/A	33.77
Petroleum Pipelines	1	N/A	15.93
Oil and Natural Gas Pipelines	15	N/A	93.61
Marinas	25	N/A	N/A
Boat Access	15	N/A	N/A
Navigational Locks and Dams	0	N/A	N/A
Non-navigational Dams	6	N/A	N/A
Rivers and Streams	16	N/A	118.17

Lakes and Ponds	95	6,176.38	N/A
Response Strategies	4	N/A	N/A
Response Strategies (Cont'd)	4	N/A	N/A
Response Strategies (Cont'd)	4	N/A	N/A

Local EOC

#	Name	Address	City	Phone	Has Generator	Directions	Count
1	MUSKEGON COUNTY EMERGENCY OPERATIONS CENTER	1611 EAST OAK AVENUE	MUSKEGON	231-724-6341	Y	SOUTH SIDE OF OAK AVENUE, 0.15 MILES WEST OF THE INTERSECTION OF OAK AVE AND WELLS AVE	1

Public Health Departments

#	Name	Address	City	Phone	Website	Count
1	PUBLIC HEALTH MUSKEGON COUNTY	209 EAST APPLE AVENUE	MUSKEGON	231-724-6246	<i>No Data</i>	1

County Contacts

#	County	Point of Contact	Emergency Management Phone	LEPC Chair	LEPC Phone	Local Health Department Phone	Area(acres)
1	Muskegon, Michigan	Rich Warner	231-724-6284	Michael Poulin	231-724-6341	231-724-6246	934,420.07

State Contacts

#	State Emergency Management Phone	24-hr Emergency Management Phone	State Health Department Phone	Homeland Security	Area(acres)
1	517-284-3946	800-292-4706	517-335-9030	313-596-2590	934,420.07

Major Cities and Towns

#	Name	Population	Elevation (Feet)	Count
1	Whitehall	2706	614	1
2	Montague	2361	630	1
3	Muskegon	38401	617	1
4	Muskegon Heights	10856	627	1
5	North Muskegon	3786	620	1
6	Norton Shores	23994	610	1
7	Roosevelt Park	3831	623	1
8	Twin Lake	1720	686	1
9	Wolf Lake	4104	673	1
10	Casnovia	319	899	1
11	Lakewood Club	1291	679	1
12	Fruitport	1093	627	1
13	Ravenna	1219	673	1

Hospitals

#	Name	Address	City	Phone	Type	Status	Count
1	MERCY HEALTH MUSKEGON SHERMAN BLVD	1500 E SHERMAN BOULEVARD	MUSKEGON	NOT AVAILABLE	GENERAL ACUTE CARE	OPEN	1
2	SELECT SPECIALTY HOSPITAL - MUSKEGON	1700 CLINTON STREET, 2 AND 3 S FLOORS	MUSKEGON	NOT AVAILABLE	LONG TERM CARE	OPEN	1
3	MERCY HEALTH MUSKEGON	1700 CLINTON STREET	MUSKEGON	NOT AVAILABLE	GENERAL ACUTE CARE	OPEN	1

Hospitals (Cont'd)

#	Name	City	Trauma Level	Helipad	Number of Beds	Owner	Count
1	MERCY HEALTH MUSKEGON SHERMAN BLVD	MUSKEGON	NOT AVAILABLE	Y	196	NON-PROFIT	1
2	SELECT SPECIALTY HOSPITAL - MUSKEGON	MUSKEGON	NOT AVAILABLE	Y	31	PROPRIETARY	1
3	MERCY HEALTH MUSKEGON	MUSKEGON	LEVEL II	Y	186	NON-PROFIT	1

Urgent Care Facilities

#	Name	Address	Address2	City	Phone	Directions	Count
1	NORTHSIDE IMMEDIATE CARE CENTER	420 WHITEHALL ROAD	<i>No Data</i>	MUSKEGON	231-744-4743	LOCATED ON THE NORTHEAST SIDE OF WHITEHALL RD, LESS THAN .1 MILE SOUTHEAST OF THE INTERSECTION OF RUDDIMAN DR AND WHITEHALL RD.	1
2	ACCESSIBLE HEALTH CENTER - URGENT CARE	4478 DOWLING STREET	<i>No Data</i>	MONTAGUE	231-893-4600	LOCATED ON THE NORTHEAST SIDE OF DOWLING STREET, APPROX .1MI SOUTHEAST OF WATER STREET.	1
3	LAKESHORE MEDICAL PLUS	905 EAST COLBY STREET	<i>No Data</i>	WHITEHALL	231-728-5910	LOCATED ON SOUTH SIDE OF EAST COLBY ST, ABOUT .06 MILE EAST OF HALL ST	1
4	HACKLEY URGENT CARE AT THE LAKE	6401 PRAIRIE STREET	SUITE 1200	MUSKEGON	231-724-7800	LOCATED AT THE WEST END OF HACKLEY HEALTH BLVD, .1 MILES WEST OF THE INTERSECTION OF HARVEY ST AND HACKLEY HEALTH BLVD.	1
5	NORTON REDI MED	747 WEST NORTON AVENUE	<i>No Data</i>	MUSKEGON	231-739-7334	LOCATED ON THE SOUTH SIDE OF W NORTON AVE, LESS THAN .1 MILE EAST OF THE INTERSECTION OF HENRY ST AND W NORTON AVE.	1

Water Intakes

#	Name	Address	City	Emergency Phone	Phone	Waterbody	Count
1	Muskegon Heights Water Filtration Plant	2719 Seminole Rd.	North Shores	231-739-8596	231-780-3415	Lake Michigan	2
2	S.D. Warren Co.	2400 Lakeshore Dr.	Muskegon	231-755-3761	231-759-5325	Muskegon Lake	1
3	West Michigan Dock and Market	560 Mart St.	Muskegon	231-724-8085; 231-724-8800	231-722-6691; 231-722-6932	Muskegon Lake	1
4	B.C. Cobb	151 N Causeway	Muskegon	800-477-5050	616-738-3360	Muskegon Bay	1
5	DELETE	DELETE	DELETE	DELETE	DELETE	DELETE	0
6	City of Muskegon Water Filtration Plant	1900 Beach St.	Muskegon	231-759-0192	231-724-4106	Lake Michigan	1

Water Intakes (Cont'd)

#	Name	Waterbody	Water Use	Intake Info	Location	Comments	Count
1	S.D. Warren Co.	Muskegon Lake	Industrial	Intake Depth 30 deep	Intake is 400 feet off shore in 60 feet of water at a depth of 30 feet.	Plant is integrated pulp and paper manufacturing plant. Has own steam and electrical generation facility, including emergency power and fire protection.	1
2	West Michigan Dock and Market	Muskegon Lake	Industrial	Intake Depth 18 feet	Intake is located 18' deep next to seawall, just outside of the compressor room door.	Water used strictly for non-contact cooling water in ammonia refrigeration engine room located near intakes.	1
3	B.C. Cobb	Muskegon Bay	Power Generation	N/A	<i>No Data</i>	<i>No Data</i>	1
4	Whitehall Leather Co. - CLOSED	N/A	N/A	N/A	No longer operating; redeveloped and pumphouse removed.	N/A	0
5	Muskegon Heights Water Filtration Plant	Lake Michigan	Public Water Supply	2 Intakes	<i>No Data</i>	Lake Michigan Intake	1
6	Muskegon Heights Water Filtration Plant	Lake Michigan	Public Water Supply	2 Intakes	<i>No Data</i>	Dual Intakes	1
7	City of Muskegon Water Filtration Plant	Lake Michigan	Public Water Supply	N/A	<i>No Data</i>	Lake Michigan Intake	1

Wastewater Treatment Facilities

#	Name	Address	City	Waterbody	Count
1	MUSKEGON CO WHITEHALL WWTP	2000 HOLTON- WHITEHALL ROAD	WHITEHALL	WHITE RIVER	2
2	MUSKEGON CO WWMS METRO WWTP	8301 WHITE ROAD	MUSKEGON	MUSKEGON RIV. & BIG BLACK CREEK	2

Special Designated Areas

#	Name	Agency	Address	City	Emergency Phone	Phone	Area(acres)
1	Areas that exhibit dune-like characteristics	MI DEQ, Water Resource Division	Lost Valley Rd.	Montague	231-724-6236	517-373-1952	1,145.47
2	Barrier Dunes	MI DEQ, Water Resource Division	Beach St.	Muskegon	231-724-6236	517-373-1952	749.64
3	Barrier Dunes	MI DEQ, Water Resource Division	N/A	N/A	616-738-4000	517-373-1952	713.87
4	Barrier Dunes	MI DEQ, Water Resource Division	Scenic Dr.	Muskegon	231-724-6236	517-373-1952	699.81
5	Wetlands Reserve Program	Natural Resources Conservation Service	Slocum Rd.	Ravenna	231-724-6341	616-942-4111	319.07
6	Muskegon Dunes and Swales	MI DNR, Natural Areas Program	S Scenic Dr.	Laketon Twp	231-724-6236	517-373-1263	246.09
7	N Channel Muskegon River	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	224.56
8	Muskegon River (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	217.85
9	White River	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	171.02
10	CE-LCWM	Land Conservancy of West Michigan	E Raymond Rd.	Twin Lake	231-724-6341	616-451-9476	157.80
11	Wetlands Reserve Program	Natural Resources Conservation Service	E Sherman Blvd	Ravenna	231-724-6341	616-942-4111	143.94
12	Wetlands Reserve Program	Natural Resources Conservation Service	Squires Rd.	Ravenna	231-724-6341	616-942-4111	126.77
13	CE-LCWM	Land Conservancy of West Michigan	Moorland Rd.	Ravenna	231-724-6341	616-451-9476	126.31
14	Crockery Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	101.53
15	Hoffmaster Wild Area	MI DNR, Natural Areas Program	N Shore Estates Rd.	Spring Lake	616-738-4000	517-373-1263	100.60
16	Wetlands Reserve Program	Natural Resources Conservation Service	US-31	Muskegon	231-724-6341	616-942-4111	97.02
17	Cedar Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	96.35

18	Wetlands Reserve Program	Natural Resources Conservation Service	Schmidt Rd.	Twin Lake	231-724-6341	616-942-4111	87.60
19	Middle Channel Muskegon River	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	70.49
20	CE-LCWM	Land Conservancy of West Michigan	E White Lake Dr.	Twin Lake	231-724-6341	616-451-9476	58.92
21	Black Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	58.29
22	S Channel Muskegon River	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	55.56
23	Silver Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	35.24
24	CE-LCWM	Land Conservancy of West Michigan	W Raymond St.	Twin Lake	231-724-6341	616-451-9476	35.14
25	Wetlands Reserve Program	Natural Resources Conservation Service	Shaw Rd.	Bailey	231-724-6341	616-942-4111	34.53
26	Muskegon-Newaygo Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	29.38
27	Norris Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	28.06
28	CE-LCWM	Land Conservancy of West Michigan	Dykstra Rd.	Muskegon	231-724-6341	616-451-9476	27.52
29	Norris Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	26.14
30	Muskegon-Newaygo Drain trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	25.38
31	Mosquito Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	20.62
32	Little Cedar Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	19.24
33	Pierson Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	17.48

34	Spring Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	17.27
35	Little Black Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	17.05
36	Cleveland Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	16.99
37	Mona Lake trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	16.50
38	Duck Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	16.44
39	Flower Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	16.34
40	unnamed creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	15.01
41	Sand Creek (Oceana)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	14.64
42	Sweeter Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	14.43
43	White River trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	13.99
44	Little Bear Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	12.17
45	unnamed drain trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	12.03
46	Muskegon River, N Channel trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	11.35
47	Hall Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	11.06
48	Ovidhall Lake Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	11.00

49	Mill Pond Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	10.67
50	unnamed drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	10.18
51	Ovidhall Lake Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	9.59
52	Crockery Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	9.54
53	N Branch Crockery Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	9.51
54	Cranberry Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	9.36
55	Martin Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	8.47
56	Crockery Creek, N Branch trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	8.41
57	Slater Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	8.37
58	Maple River (Newaygo)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	8.29
59	Eastland Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	8.06
60	Vincent Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	8.01
61	Black Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	7.82
62	Scholes Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	7.62
63	Rhymer Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	7.04

64	Little Bear Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	6.79
65	Smith Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	6.54
66	04-61-0070-P	Michigan DEQ	Westshire Dr.	Muskegon	231-724-6341	517-241-7734	6.43
67	Mosquito Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	6.28
68	98-09-0723	Michigan DEQ	Whitehall Rd.	Muskegon	231-724-6341	517-241-7734	6.20
69	Buttermilk Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	6.05
70	Indian Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	6.05
71	Carlton Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	5.95
72	Markle Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	5.83
73	White Lake trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	5.53
74	Porter Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	5.12
75	Dailey Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	4.59
76	Cedar Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	4.53
77	Henna Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	4.47
78	Duck Lake trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	4.23
79	Lewis Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	4.14
80	Birch Brook	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.91

81	Nelson Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.90
82	Rhymer Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.75
83	98-09-0851	Michigan DEQ	Westshire Dr.	Muskegon	231-724-6341	517-241-7734	3.46
84	Pierson Drain trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.46
85	Little Flower Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.43
86	Flower Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.41
87	Folsom Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.35
88	Wildcat Creek (Muskegon)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.34
89	Robinson Drain	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.30
90	Little Black Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.19
91	Eastland Drain trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.16
92	Smith Drain trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.15
93	Muskegon River, Middle Channel trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	3.14
94	Muskegon River, S Channel trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	2.99
95	Cranberry Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	2.88
96	W Branch Cedar Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	2.88

97	Little Cedar Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	2.60
98	04-61-0088-P	Michigan DEQ	Witham Rd.	Muskegon	231-724-6341	517-241-7734	1.60
99	Ball Creek	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	1.35
100	07-61-0048	Michigan DEQ	Whitehall Rd.	Muskegon	231-724-6341	517-241-7734	1.15
101	Brooks Creek (Sheridan Twp.)	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	1.10
102	Muskegon River trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	1.05
103	02-61-0072-P	Michigan DEQ	Boulder Dr.	Muskegon	231-724-6341	517-241-7734	0.78
104	Cow Creek trib.	Michigan DNR Fisheries Division	U	U	800-292-4706 (in-state); 517-373-7660 (out-state)	517-373-1280	0.58
105	00-61-0028-C	Michigan DEQ	Lost Valley Rd.	Montague	231-724-6341	517-241-7734	0.05

Special Designated Areas (Cont'd)

#	Name	City	Category	Waterbody	Location	Comments	Area(acres)
1	Areas that exhibit dune-like characteristics	Montague	State Natural Area	Lake Michigan	Borders Lake Michigan; N side of Muskegon County	Sand Dune Protection is part of the DEQ Water Resource Division	1,145.47
2	Barrier Dunes	Muskegon	State Natural Area	Lake Michigan; Muskegon Lake; Mona Lake	Between Muskegon Lake and Mona Lake	Sand Dune Protection is part of the DEQ Water Resource Division	749.64
3	Barrier Dunes	N/A	State Natural Area	Lake Michigan; Mona Lake; The Sag; Pigeon Lake; Lake Macatawa; Kalamazoo Lake; Goshorn Lake	Between Mona Lake and Kalamazoo Lake	Sand Dune Protection is part of the DEQ Water Resource Division	713.87
4	Barrier Dunes	Muskegon	State Natural Area	Lake Michigan; Muskegon Lake	Scenic Dr & Memorial Dr	Part of Muskegon State Park; Sand Dune Protection is part of the DEQ Water Resource Division	699.81
5	Wetlands Reserve Program	Ravenna	Conservation Easement	none	Slocum Rd & Bailey Rd	<i>No Data</i>	319.07
6	Muskegon Dunes and Swales	Laketon Twp	State Natural Area	Muskegon Lake; Lake Michigan	Between Lake Michigan and Muskegon Lake	part of Muskegon State Park	246.09
7	N Channel Muskegon River	U	Designated Trout Stream	Muskegon River, N Channel; Muskegon Lake	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	224.56
8	Muskegon River (Muskegon)	U	Designated Trout Stream	Muskegon River; Muskegon River, N & S Channels	In southern Newaygo County and central Muskegon County.	Stream contains significant populations of trout and/or salmon.	217.85
9	White River	U	Designated Trout Stream	White River	In S central Oceana County and N central Muskegon County.	Stream contains significant populations of trout and/or salmon.	171.02
10	CE-LCWM	Twin Lake	Conservation Easement	none	Raymond Rd & Staple Rd	Private	157.80
11	Wetlands Reserve Program	Ravenna	Conservation Easement	none	W of E Sherman Blvd & S Ravenna Rd	<i>No Data</i>	143.94
12	Wetlands Reserve Program	Ravenna	Conservation Easement	Crockery Creek	Squires Rd & Herremans Dr	<i>No Data</i>	126.77
13	CE-LCWM	Ravenna	Conservation Easement	Crockery Creek	Moorland Rd, S of Mount Garfield Rd	Private	126.31
14	Crockery Creek	U	Designated Trout Stream	Crockery Creek	Flows from SW Muskegon County into northcentral Ottawa County.	Stream contains significant populations of trout and/or salmon.	101.53

15	Hoffmaster Wild Area	Spring Lake	Wilderness Area	Lake Michigan	On the shore of Lake Michigan, 6 miles S of Muskegon.	State Land	100.60
16	Wetlands Reserve Program	Muskegon	Conservation Easement	Black Creek	N side of the Black Creek, where it intersects US-31. near mile 112 on US-31	<i>No Data</i>	97.02
17	Cedar Creek (Muskegon)	U	Designated Trout Stream	Cedar Creek; Muskegon River, N Channel	In eastern and central Muskegon County.	Stream contains significant populations of trout and/or salmon.	96.35
18	Wetlands Reserve Program	Twin Lake	Conservation Easement	Little Cedar Creek	Schmidt Rd & Holton-Duck Lake Rd	<i>No Data</i>	87.60
19	Middle Channel Muskegon River	U	Designated Trout Stream	Middle Channel Muskegon River; Muskegon Lake	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	70.49
20	CE-LCWM	Twin Lake	Conservation Easement	none	White Lake Dr & Staple Rd	Private	58.92
21	Black Creek (Muskegon)	U	Designated Trout Stream	Black Creek; Mona Lake	In S central Muskegon County.	Stream contains significant populations of trout and/or salmon.	58.29
22	S Channel Muskegon River	U	Designated Trout Stream	Muskegon River, S Channel; Muskegon Lake	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	55.56
23	Silver Creek (Muskegon)	U	Designated Trout Stream	Silver Creek; White River	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	35.24
24	CE-LCWM	Twin Lake	Conservation Easement	Mayo Lake	N of the western dead end of Raymond St	Private	35.14
25	Wetlands Reserve Program	Bailey	Conservation Easement	Crockery Creek	W side of Shaw Rd, just S of Moore Rd	<i>No Data</i>	34.53
26	Muskegon-Newaygo Drain	U	Designated Trout Stream	Muskegon-Newaygo Drain; Cranberry Creek	In SE Muskegon County.	Stream contains significant populations of trout and/or salmon.	29.38
27	Norris Creek	U	Designated Trout Stream	Norris Creek; Spring Lake	In S central Muskegon County.	Stream contains significant populations of trout and/or salmon.	28.06
28	CE-LCWM	Muskegon	Conservation Easement	Bear Lake	Dykstra Rd, between Wedgewood Dr & Andree Rd	Private	27.52

29	Norris Creek trib.	U	Designated Trout Stream	unnamed creek; Norris Creek	In S central Muskegon County.	Stream contains significant populations of trout and/or salmon.	26.14
30	Muskegon-Newaygo Drain trib.	U	Designated Trout Stream	unnamed creek; Muskegon-Newaygo Drain	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	25.38
31	Mosquito Creek (Muskegon)	U	Designated Trout Stream	Mosquito Creek	In southwestern Newaygo County and eastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	20.62
32	Little Cedar Creek (Muskegon)	U	Designated Trout Stream	Little Cedar Creek, Cedar Creek	In E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	19.24
33	Pierson Drain	U	Designated Trout Stream	Pierson Drain; White Lake	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	17.48
34	Spring Creek (Muskegon)	U	Designated Trout Stream	Spring Creek; Muskegon River	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	17.27
35	Little Black Creek (Muskegon)	U	Designated Trout Stream	Little Black Creek; Mona Lake	In southwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	17.05
36	Cleveland Creek (Muskegon)	U	Designated Trout Stream	Cleveland Creek; White River	In N central Muskegon County.	Stream contains significant populations of trout and/or salmon.	16.99
37	Mona Lake trib.	U	Designated Trout Stream	unnamed creek; Mona Lake	In southwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	16.50
38	Duck Creek (Muskegon)	U	Designated Trout Stream	Duck Creek; Duck Lake	In W central Muskegon County.	Stream contains significant populations of trout and/or salmon.	16.44
39	Flower Creek	U	Designated Trout Stream	Flower Creek; Lake Michigan	In southwestern Oceana County and northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	16.34
40	Sand Creek (Oceana)	U	Designated Trout Stream	Sand Creek	In S central Oceana County and N central Muskegon County.	Stream contains significant populations of trout and/or salmon.	14.64
41	Sweeter Creek	U	Designated Trout Stream	Sweeter Creek; Cedar Creek	In E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	14.43

42	Little Bear Creek (Muskegon)	U	Designated Trout Stream	Little Bear Creek; Bear Creek	In W central Muskegon County.	Stream contains significant populations of trout and/or salmon.	12.17
43	Muskegon River, N Channel trib.	U	Designated Trout Stream	unnamed creek; Muskegon River, N Channel	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	11.35
44	Hall Drain	U	Designated Trout Stream	Hall Drain	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	11.06
45	Ovidhall Lake Creek trib.	U	Designated Trout Stream	unnamed creek; Ovidhall Lake Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	11.00
46	White River trib.	U	Designated Trout Stream	unnamed creek; White River	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	10.89
47	Mill Pond Creek	U	Designated Trout Stream	Mill Pond Creek; White Lake	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	10.67
48	unnamed drain	U	Designated Trout Stream	unnamed drain	In E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	10.18
49	Ovidhall Lake Creek	U	Designated Trout Stream	Ovidhall Lake Creek; Crockery Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	9.59
50	Crockery Creek trib.	U	Designated Trout Stream	unnamed creek; Crockery Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	9.54
51	N Branch Crockery Creek	U	Designated Trout Stream	Crockery Creek, N Branch	In northeastern Ottawa County, E central Muskegon County, and northwestern Kent County.	Stream contains significant populations of trout and/or salmon.	9.51
52	Cranberry Creek (Muskegon)	U	Designated Trout Stream	Cranberry Creek; Muskegon-Newaygo Drain	In SE Muskegon County.	Stream contains significant populations of trout and/or salmon.	9.36
53	Martin Drain	U	Designated Trout Stream	Martin Drain; Cedar Creek	In northeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	8.47

54	Slater Drain	U	Designated Trout Stream	Slater Drain; Hall Drain	In SW Newaygo County and SE Muskegon County.	Stream contains significant populations of trout and/or salmon.	8.37
55	Maple River (Newaygo)	U	Designated Trout Stream	Maple River; Muskegon River	In southwestern Newaygo County and E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	8.29
56	unnamed drain trib.	U	Designated Trout Stream	unnamed drain	In E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	8.14
57	Eastland Drain	U	Designated Trout Stream	Eastland Drain; Crockery Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	8.06
58	Vincent Creek (Muskegon)	U	Designated Trout Stream	Vincent Creek; Norris Creek	In S central Muskegon County and northwestern Ottawa County.	Stream contains significant populations of trout and/or salmon.	8.01
59	Black Creek trib.	U	Designated Trout Stream	unnamed creek; Black Creek	In southwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	7.82
60	Scholes Creek	U	Designated Trout Stream	Scholes Creek; Duck Creek	In W central Muskegon County.	Stream contains significant populations of trout and/or salmon.	7.62
61	Rhymer Creek	U	Designated Trout Stream	Rhymer Creek; Norris Creek	In S central Muskegon County.	Stream contains significant populations of trout and/or salmon.	7.04
62	Little Bear Creek trib.	U	Designated Trout Stream	unnamed creek; Little Bear Creek	In W central Muskegon County.	Stream contains significant populations of trout and/or salmon.	6.79
63	Smith Drain	U	Designated Trout Stream	Smith Drain; Crockery Creek, N Branch	In northeastern Ottawa County and E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	6.54
64	04-61-0070-P	Muskegon	Conservation Easement	none	W side of a subdivision on the S side of W Pontaluna Rd	MI-123501	6.43
65	unnamed creek trib.	U	Designated Trout Stream	unnamed creek; Muskegon River, N Channel	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	6.25
66	98-09-0723	Muskegon	Conservation Easement	Bear Creek; unnamed pond	Whitehall Rd & View Ln	MI-123505	6.20

67	Buttermilk Creek (Muskegon)	U	Designated Trout Stream	Buttermilk Creek; White Lake	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	6.05
68	Indian Creek trib.	U	Designated Trout Stream	unnamed creek; Indian Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	6.05
69	Carlton Creek	U	Designated Trout Stream	Carlton Creek; White River	In southwestern Oceana County.	Stream contains significant populations of trout and/or salmon.	5.95
70	unnamed creek trib.	U	Designated Trout Stream	unnamed creek; Mona Lake	In southwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	5.95
71	Markle Drain	U	Designated Trout Stream	Markle Drain; Cedar Creek	In northeastern Muskegon County and southwestern Newaygo County.	Stream contains significant populations of trout and/or salmon.	5.83
72	White Lake trib.	U	Designated Trout Stream	unnamed creek; White Lake	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	5.53
73	Porter Drain	U	Designated Trout Stream	Porter Drain; unnamed creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	5.12
74	Crockery Creek, N Branch trib.	U	Designated Trout Stream	unnamed creek; Crockery Creek, N Branch	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	5.08
75	Dailey Drain	U	Designated Trout Stream	Dailey Drain; Hall Drain	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	4.59
76	Cedar Creek trib.	U	Designated Trout Stream	unnamed creek; Cedar Creek	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	4.53
77	Henna Creek	U	Designated Trout Stream	Henna Creek; Cedar Creek	In northeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	4.47
78	Duck Lake trib.	U	Designated Trout Stream	unnamed creek; Duck Lake	In northeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	4.23
79	Lewis Drain	U	Designated Trout Stream	Lewis Drain; Crockery Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	4.14

80	Birch Brook	U	Designated Trout Stream	Birch Brook; White Lake	In W central Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.91
81	Nelson Drain	U	Designated Trout Stream	Nelson Drain; Cedar Creek	In northeastern Muskegon County and southwestern Newaygo County.	Stream contains significant populations of trout and/or salmon.	3.90
82	unnamed drain trib.	U	Designated Trout Stream	unnamed creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.89
83	Rhymer Creek trib.	U	Designated Trout Stream	unnamed creek; Rhymer Creek	In S central Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.75
84	Mosquito Creek trib.	U	Designated Trout Stream	unnamed creek; Mosquito Creek	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.64
85	98-09-0851	Muskegon	Conservation Easement	none	W side of a subdivision on the S side of W Pontaluna Rd	MI-123506	3.46
86	Pierson Drain trib.	U	Designated Trout Stream	unnamed creek; Pierson Drain	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.46
87	Little Flower Creek	U	Designated Trout Stream	Little Flower Creek; Lake Michigan	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.43
88	Flower Creek trib.	U	Designated Trout Stream	unnamed creek; Flower Creek	In southwestern Oceana County and northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.41
89	Folsom Drain	U	Designated Trout Stream	Folsom Drain; Cedar Creek	In northeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.35
90	Wildcat Creek (Muskegon)	U	Designated Trout Stream	Wildcat Creek, White Lake	In northwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.34
91	Crockery Creek, N Branch trib.	U	Designated Trout Stream	unnamed creek; Crockery Creek, N Branch	In northeastern Ottawa County and E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.33
92	Robinson Drain	U	Designated Trout Stream	Robinson Drain; Cushman Creek	In northeastern Muskegon County and southeastern Oceana County.	Stream contains significant populations of trout and/or salmon.	3.30

93	Little Black Creek trib.	U	Designated Trout Stream	unnamed creek; Little Black Creek	In southwestern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.19
94	Eastland Drain trib.	U	Designated Trout Stream	unnamed creek; Eastland Drain	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.16
95	Smith Drain trib.	U	Designated Trout Stream	unnamed creek; Smith Drain	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.15
96	Muskegon River, Middle Channel trib.	U	Designated Trout Stream	unnamed creek; Middle Channel Muskegon River	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.14
97	White River trib.	U	Designated Trout Stream	unnamed creek; White River	In S central Oceana County and N central Muskegon County.	Stream contains significant populations of trout and/or salmon.	3.10
98	Muskegon River, S Channel trib.	U	Designated Trout Stream	unnamed creek; Muskegon River, S Channel	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	2.99
99	Cranberry Creek trib.	U	Designated Trout Stream	unnamed creek; Cranberry Creek	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	2.88
100	W Branch Cedar Creek	U	Designated Trout Stream	Cedar Creek, W Branch; Cedar Creek	In northeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	2.88
101	unnamed creek trib.	U	Designated Trout Stream	unnamed creek; Muskegon-Newaygo Drain	In southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	2.82
102	Mosquito Creek trib.	U	Designated Trout Stream	unnamed creek; Mosquito Creek	In E central and southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	2.64
103	Little Cedar Creek trib.	U	Designated Trout Stream	unnamed creek; Little Cedar Creek	In E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	2.60
104	04-61-0088-P	Muskegon	Conservation Easement	none	E side of the road, just N of Dykstra Rd	MI-123504	1.60
105	Ball Creek	U	Designated Trout Stream	Ball Creek; Rogue River	In northwestern Kent County and southeastern Muskegon County.	Stream contains significant populations of trout and/or salmon.	1.35

106	07-61-0048	Muskegon	Conservation Easement	unnamed pond	Behind (E of) Michigan's Adventure Amusement Park	Private	1.15
107	Brooks Creek (Sheridan Twp.)	U	Designated Trout Stream	Brooks Creek	In southwestern Newaygo County and E central Muskegon County.	Stream contains significant populations of trout and/or salmon.	1.10
108	Muskegon River trib.	U	Designated Trout Stream	unnamed creek; Muskegon River	In central Muskegon County.	Stream contains significant populations of trout and/or salmon.	1.05
109	02-61-0072-P	Muskegon	Conservation Easement	unnamed pond	N side of the road, behind private homes. Boulder Dr is off Martin Rd	MI-123500	0.78
110	Cow Creek trib.	U	Designated Trout Stream	unnamed creek; Cow Creek	In northeastern Muskegon County and southwestern Newaygo County.	Stream contains significant populations of trout and/or salmon.	0.58
111	00-61-0028-C	Montague	Conservation Easement	Lake Michigan	E side of the road	MI-123499	0.05

Managed Lands

#	Name	Agency	Address	City	Emergency Phone	Contact Phone	Area(acres)
1	Manistee	US Forest Service	N/A	N/A	911	800-821-6263	2,080.53
2	Duck Lake	MI DNR, Parks and Recreation Division	3560 Memorial Dr.	N Muskegon	231-724-6236	231-744-3480	712.70
3	Muskegon	MI DNR, Wildlife Division	7600 E Messinger	Twin Lake	231-724-6236	231-788-5055	710.69
4	Muskegon	MI DNR, Parks and Recreation Division	3560 Memorial Dr.	North Muskegon	231-724-6236	231-744-3480	399.85
5	Hoffmaster	MI DNR, Parks and Recreation Division	6585 Lake Harbor Rd.	Muskegon	231-724-6236	231-798-3711	290.87
6	Muskegon County Fairgrounds	Muskegon County	6621 Heights Ravenna Rd.	Fruitport	231-724-6236	231-788-2909	162.68
7	Hart-Montague Bicycle Trail	MI DNR, Parks and Recreation Division	Stanton Blvd.	Hart, Montague	800-292-4706	517-373-9990	52.87

Managed Lands (Cont'd)

#	Name	City	Category	Waterbody	Location	Comments	Area(acres)
1	Manistee	N/A	National Forest	Lake Michigan; multiple lakes and rivers	NW Lower Peninsula	<i>No Data</i>	2,080.53
2	Duck Lake	N Muskegon	State Park	Duck Lake; Lake Michigan	N/A	<i>No Data</i>	712.70
3	Muskegon	Twin Lake	State Game Area	Muskegon River; Cedar Cr.; Little Cedar Cr.; Maple River; Spring Cr.; Mosquito Cr.	East of Muskegon	http://www.michigan.gov/dnr/publications/pdfs/huntingwildlifehabitat/sga/muskegon.pdf	710.69
4	Muskegon	North Muskegon	State Park	Lake Michigan; Muskegon Lake	Take US Hwy 31 to the MI Hwy 120 exit in North Muskegon and follow the signs to the park.	<i>No Data</i>	399.85
5	Hoffmaster	Muskegon	State Park	Little Black Cr.; Little Black L.; Lake Michigan	N/A	Features over three miles of Lake Michigan shoreline	290.87
6	Muskegon County Fairgrounds	Fruitport	Recreation Area	none	N/A	<i>No Data</i>	162.68
7	Hart-Montague Bicycle Trail	Hart, Montague	Linear State Park	Hart Lake; Silver Lake	On the S shore of Hart Lake.	<i>No Data</i>	52.87

Other Environmentally Sensitive Areas

#	Name	Agency	Address	City	Emergency Phone	Contact Phone	Area(acres)
1	Muskegon State Park	US Fish and Wildlife Service	Marquette Drive	Muskegon	517-351-2555	517-351-2555	1,317.25

Other Environmentally Sensitive Areas (Cont'd)

#	Name	City	Category	Waterbody	Location	Comments	Area(acres)
1	Muskegon State Park	Muskegon	Important Aquatic Habitat	Lake Michigan	At Muskegon State Park.	Habitat occupied by piping plovers from late March through early September. Piping Plovers are wading shorebirds.	1,317.25

Threatened and Endangered Species

#	Species	Status	Habitat	Area(acres)
1	Indiana bat	Endangered	Summer habitat includes small to medium river and stream corridors with well developed riparian woods; woodlots within 1 to 3 miles of small to medium rivers and streams; and upland forests. Caves and mines as hibernacula.	934,420.07
2	Northern long-eared bat	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests during spring and summer.	934,420.07
3	Piping plover	Endangered	Beaches along shorelines of the Great Lakes	934,420.07
4	Rufa Red knot	Threatened	Only actions that occur along coastal areas during the Red Knot migratory window of MAY 1 - SEPTEMBER 30	934,420.07
5	Eastern massasauga	Threatened	<i>No Data</i>	934,420.07
6	Karner blue butterfly	Endangered	Pine barrens and oak savannas on sandy soils and containing wild lupines (<i>Lupinus perennis</i>), the only known food plant of larvae.	934,420.07
7	Pitcher's thistle	Threatened	Stabilized dunes and blowout areas	934,420.07

Aboveground Storage Tanks

#	Name	Address	City	Emergency Phone	Contact Phone	Waterbody	Count
1	Marathon - North Muskegon	3005 Holton Rd.	North Muskegon	877-627-5463	231-744-2411	N/A	1
2	Marathon - N Muskegon Light Products Terminal	3005 Holton Rd.	North Muskegon	231-724-6341	419-421-4526	Muskegon River, North Channel	1

Aboveground Storage Tanks (Cont'd)

#	Name	City	Products	Oil Volume	Oil Tanks	Comments	Count
1	Marathon - North Muskegon	North Muskegon	Gasoline, Distillates, Trans mix, Additives, Ethanol	20549780	19	EPA-FRP-#0500040	1
2	Marathon - N Muskegon Light Products Terminal	North Muskegon	Additive; Transmix; Gasoline; Diesel	3332744	6	91061009	1

Hazardous Materials Storage

#	Name	Address	City	Emergency Phone	Emergency Contact	Local Contact	Count
1	Howmet Corp. - Plants 1 & 3	One Misco Drive	Whitehall	231-894-7227	Christopher Rohrer, Mgr, Environmental Engineering	Daniel Stout; 231-724-6341	1
2	Howmet Corp. - Plant 4	555 Benston Rd	Whitehall	231-894-7227	Christopher Rohrer, Mgr, Environmental Engineering	Daniel Stout; 231-724-6341	1
3	Howmet Corp. - Plant 5	1600 South Warner Street	Whitehall	231-894-7227	Christopher Rohrer, Mgr, Environmental Engineering	Daniel Stout; 231-724-6341	1
4	Howmet Research Center	1500 South Warner	Whitehall	231-894-7227	Christopher Rohrer, Mgr, Environmental Engineering	Daniel Stout; 231-724-6341	1
5	Esco Co., LLC	1221 East Barney Avenue	Muskegon	813-625-3238 x1	Robert Pleasant, President	Daniel Stout; 231-724-6341	1
6	Honeywell - Burdick & Jackson	1953 South Harvey Street	Muskegon	973-455-2000	Doug Dieselberg, Plant Manager	Daniel Stout; 231-724-6341	1
7	B. C. Cobb Plant	151 North Causeway	Muskegon	517-788-0550	Rick Dupuis, Regulatory Compliance Coordinator	Daniel Stout; 231-724-6341	1
8	Sun Chemical Corp.	4925 Evanston Ave	Muskegon	231-788-2371	Scott Hendryx, Director of Operations	Daniel Stout; 231-724-6341	1
9	Kaydon Corp., Plant #1	2860 McCracken St	Muskegon	734-747-7025	Gregory J. Hutchison, Sr. Manufacturing Engineer	Daniel Stout; 231-724-6341	1
10	Michigan Spring & Stamping of Muskegon, LLC	2700 Wickham Dr	Muskegon	231-799-6240	William H. Hilton, Consultant	Daniel Stout; 231-724-6341	1
11	ADAC Automotive - Port City Plant	2050 Port City Boulevard	Muskegon	616-975-6143	Jacob M. Rupert, EHS Coordinator	Daniel Stout; 231-724-6341	1
12	Lorin Industries	1960 S Roberts St	Muskegon	231-722-1631	Rick DeCair, Environmental Safety Manager	Daniel Stout; 231-724-6341	1
13	Bayer Cropscience - Muskegon	1740 Whitehall Rd	Muskegon	231-719-3020	Harold Lofton, Site Manager	Daniel Stout; 231-724-6341	1
14	Webb Chemical Service Corp, Inc.	2708 Jarman St	Muskegon Heights	231-733-2181	Tom Finkler, EHS Coordinator	Daniel Stout; 231-724-6341	1
15	Johnson Technology - Muskegon	2034 Latimer Dr	Muskegon	231-777-2685	David M. Yacavone, President	Daniel Stout; 231-724-6341	1
16	Lake Welding Supply Co. - Muskegon	363 Ottawa St	Muskegon	231-722-3773	Icenius Spriensma, President	Daniel Stout; 231-724-6341	1
17	Michigan Steel, Inc.	1148 W. Western Ave	Muskegon	231-726-5177	Dennis Witham, Environmental Manager	Daniel Stout; 231-724-6341	1
18	SAF-Holland USA, Inc.	1950 Industrial Blvd	Muskegon	231-773-3271	Steve Gregory, Vice President, CFO	Daniel Stout; 231-724-6341	1

19	MTI - Ravenna Ductile Iron Plant	3800 Adams Road	Ravenna	231-853-0300	Dean Lynn, Plant Manager	Daniel Stout; 231-724-6341	1
20	Quality Plating - Muskegon Heights	2712 McIlwraith Street	Muskegon Heights	231-733-2907	Scott Werschem, President	Daniel Stout; 231-724-6341	1
21	Structural Concepts Corp	888 E. Porter Rd	Muskegon	231-798-8888	Doug Kolberg, Human Resource Manager	Daniel Stout; 231-724-6341	1
22	L-3 Combat Propulsion Systems	76 Getty St	Muskegon	231-724-2033	Bruce Weinberg, VP Production and Delivery	Daniel Stout; 231-724-6341	1
23	Dynamic Finishing, LLC	476 West Sherman Blvd.	Muskegon Heights	231-737-8130	Bruce J. Tiejema, Regional Environmental Manager	Daniel Stout; 231-724-6341	1
24	Johnson Technology - Norton Shores	6060 Norton Center Dr	Norton Shores	231-777-2685	David M. Yacavone, President	Daniel Stout; 231-724-6341	1
25	Howmet Corp. - Plant 10	3850 W White Lake Dr	Whitehall	231-894-7227	Christopher Rohrer, Mgr, Environmental Engineering	Daniel Stout; 231-724-6341	1
26	ADAC Automotive - Keating Ave	1801 Keating Ave	Muskegon	616-957-3800	Jacob M. Rupert, EHS Coordinator	Daniel Stout; 231-724-6341	1
27	Diversified Machine Montague, Inc.	5353 Wilcox Street	Montague	231-894-9051	Kevin Jacko, Plant Manager	Daniel Stout; 231-724-6341	1
28	Great Lakes Finishing, Inc.	510 West Hackley Ave	Muskegon	231-733-9566	Liza Baldwin, Office Manager	Daniel Stout; 231-724-6341	1
29	Snappy Apple Farms, Inc.	961 Nawaygo Rd	Casnovia	616-675-7354	Andrew Mikula, President	Daniel Stout; 231-724-6341	1
30	White River - 2 Unit	11165 Chase Rd	Montague	817-460-7777	Clark P. Storms, Vice President-Land & Legal	Daniel Stout; 231-724-6341	1
31	Alloy Resource Corp.	2281 Port City Boulevard	Muskegon	231-777-3941	Matthew Heisser, Vice President of Operations	Daniel Stout; 231-724-6341	1
32	Cameron International - Muskegon Plant	2076 Northwoods Dr.	Muskegon	713-513-3300	James Meyers, Manufacturing Manager	Daniel Stout; 231-724-6341	1

Hazardous Materials Storage (Cont'd)

#	Name	City	Contact Phone	Materials/CAS	Count
1	Howmet Corp. - Plants 1 & 3	Whitehall	231-894-5686	7697372; 7664939	1
2	Howmet Corp. - Plant 4	Whitehall	231-894-7189	7664393; 7697372; 7664939	1
3	Howmet Corp. - Plant 5	Whitehall	231-894-7975	7664393; 7697372; 7664939	1
4	Howmet Research Center	Whitehall	231-894-7975	7664939	1
5	Esco Co., LLC	Muskegon	231-726-3106	7664939	1
6	Honeywell - Burdick & Jackson	Muskegon	231-722-0950	67663; 7664939	1
7	B. C. Cobb Plant	Muskegon	616-727-6100	7664939; 108918	1
8	Sun Chemical Corp.	Muskegon	616-283-3995	7664417; 7647010; 7664939	1
9	Kaydon Corp., Plant #1	Muskegon	231-755-3741	7664939; 7697372	1
10	Michigan Spring & Stamping of Muskegon, LLC	Muskegon	231-755-1691	7697872	1
11	ADAC Automotive - Port City Plant	Muskegon	231-777-2645	7664939	1
12	Lorin Industries	Muskegon	231-722-1631	7697372; 7664939	1
13	Bayer Cropscience - Muskegon	Muskegon	231-744-4711	7664417; 109615	1
14	Webb Chemical Service Corp, Inc.	Muskegon Heights	231-733-2181	50000; 7697372; 7664939	1
15	Johnson Technology - Muskegon	Muskegon	231-777-2685	7664939	1
16	Lake Welding Supply Co. - Muskegon	Muskegon	231-722-3773	7664417	1
17	Michigan Steel, Inc.	Muskegon	231-726-5177	7664939; 108952	1
18	SAF-Holland USA, Inc.	Muskegon	231-773-3271	7664939	1
19	MTI - Ravenna Ductile Iron Plant	Ravenna	231-853-2731	7664939	1
20	Quality Plating - Muskegon Heights	Muskegon Heights	231-733-2907	7664939; 7664939; 7664939; 7664939	1
21	Structural Concepts Corp	Muskegon	231-798-8888	7664939	1
22	L-3 Combat Propulsion Systems	Muskegon	231-724-2151	7664417; 7664939; 7697372	1
23	Dynamic Finishing, LLC	Muskegon Heights	231-737-8130	7664939	1
24	Johnson Technology - Norton Shores	Norton Shores	231-777-7178	7664939	1
25	Howmet Corp. - Plant 10	Whitehall	231-894-7227	7697372; 7664939	1
26	ADAC Automotive - Keating Ave	Muskegon	231-777-2645	7664939	1
27	Diversified Machine Montague, Inc.	Montague	231-894-9051	7664939	1
28	Great Lakes Finishing, Inc.	Muskegon	231-733-9566	7664939; 7697372; 7697372; 7664939; 7664939; 7761888; 7697372; 7697372; 7697372	1

29	Snappy Apple Farms, Inc.	Casnovia	616-675-7354	7664417	1
30	White River - 2 Unit	Montague	231-893-5803	7783064	1
31	Alloy Resource Corp.	Muskegon	231-777-3941	7782505	1
32	Cameron International - Muskegon Plant	Muskegon	231-788-7020	7664939	1

Facility Response Plan (FRP) Facilities

#	Name	Address	City	Facility Registry Service Report	Count
1	MPLX TERMINALS LLC - NORTH MUSKEGON TERMINAL	3005 HOLTON ROAD	NORTH MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=11001740 2014	1

Risk Management Plan (RMP) Facilities

#	Name	Address	City	Facility Registry Service Report	Count
1	COLE'S QUALITY FOODS, INC.	1188 LAKESHORE DRIVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000565754	1
2	HOWMET CORPORATION	1600 S WARNER	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411126	1
3	HONEYWELL BURDICK & JACKSON	1953 SOUTH HARVEY STREET	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410831	1
4	ALLOY RESOURCE CORPORATION	2281 PORT CITY BLVD.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110037578387	1
5	MPLX TERMINALS LLC - NORTH MUSKEGON TERMINAL	3005 HOLTON ROAD	NORTH MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110017402014	1
6	ESCO COMPANY LIMITED PARTNERSHIP	2340 ROBERTS STREET	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000576190	1
7	S D WARREN CO	2400 LAKESHORE DRIVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110017409865	1
8	MUSKEGON HEIGHTS-TREATMENT PLANT	2323 SEMINOLE ROAD	NORTON SHORES	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000573950	1
9	LOMAC INC	5025 EVANSTON AVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110017405690	1
10	BASF CORPORATION	1740 WHITEHALL RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000494171	1

EPLAN/Tier II Facilities

#	Name	Address	City	Facility Registry Service Report	Count
1	FLEET ENGINEERS, INC.	1800 EAST KEATING AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110011125433	1
2	ESCO COMPANY, LLC	1221 EAST BARNEY AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410984	1
3	HOWMET CORPORATION	1600 S WARNER	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411126	1
4	ALLIED WASTE SERVICES OF MUSKEGON	2611 OLTHOFF DR	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061985883	1
5	CENTURY FOUNDRY INC	339 W HOVEY P.O. BOX 4438	MUSKEGON HTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110021113132	1
6	WEBB CHEMICAL SERVICE CORP	2708 JARMAN	MUSKEGON HEIGHTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411028	1
7	FRONTIER MUSKEGON EAST CENTRAL OFFICE	1131 BARLOW ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061892910	1
8	CITY OF MUSKEGON-WATER FILTRAT	1900 BEACH ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062014449	1
9	SAM'S CLUB #6562	1707 EAST SHERMAN BLVD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062065517	1
10	FRONTIER WHITEHALL CENTRAL OFFICE	110 MEARS AVE	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061811561	1
11	PORT CITY METAL PRODUCTS	2350 BLACK CREEK RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110015680119	1
12	DIVERSIFIED MACHINE MONTAGUE, LLC	5353 WILCOX RD.	MONTAGUE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110013287424	1

13	COLE'S QUALITY FOODS, INC.	1188 LAKESHORE DRIVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000565754	1
14	EAGLE ALLOY INC.	5142 EVANSTON AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110009027793	1
15	UNC JOHNSON TECHNOLOGY INC	2034 LATIMER DR.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410868	1
16	SUN CHEMICAL CORP MUSKEGON PL ANT	4925 EVANSTON AVE.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410975	1
17	CHERRY POINT ENTERPRISES, INC	322 MAIN	CASNOVIA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061893303	1
18	FRONTIER RAVENNA CENTRAL OFFICE	3483 THOMAS STREET	RAVENNA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061958216	1
19	FRONTIER MUSKEGON MAIN CENTRAL	860 TERRACE ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062058641	1
20	MTI - RAVENNA DUCTILE IRON PLANT	3800 ADAMS ROAD	RAVENNA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062059123	1
21	MUSKEGON HEADEND	700 W. BROADWAY	NORTON SHORES	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062023395	1
22	BRUNSWICK BOWLING AND BILLIARDS	525 WEST LAKETON AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410911	1
23	MAHLE ENGINE COMPONENTS USA, INC.	2020 SANFORD STREET	MUSKEGON HTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110031510274	1
24	DYNAMIC FINISHING LC	476 WEST SHERMAN BLVD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110011125512	1
25	MICHIGANS ADVENTURE AMUSEMENT PARK	4750 WHITEHALL RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110015792962	1

26	SHORELINE DIVISION	259 OTTAWA ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062020806	1
27	PORT CITY CASTINGS CORPORATION	711 E PORTER ROAD	NORTON SHORES	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110015791231	1
28	HOWMET CASTINGS PLANT 10	3850 W. WHITE LAKE DR.	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110002119145	1
29	CAMERON INTERNATIONAL, MUSKEGON PLANT	2076 NORTHWOODS DR.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062044737	1
30	INTRACITY DISPATCH - LAKETON SITE	331 W. LAKETON	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061869152	1
31	GMI COMPOSITS, INC. (DBA MUSKEGON COMPOSITES)	1355 W. SHERMAN BLVD.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410779	1
32	HONEYWELL BURDICK & JACKSON	1953 SOUTH HARVEY STREET	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410831	1
33	METC COBB B C SUBSTATION	151 NORTH CAUSEWAY	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061823362	1
34	L-3 COMBAT PROPULSION SYSTEMS	76 GETTY ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061832584	1
35	SPEEDWAY LLC	3385 MAIN ST	RAVENNA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110003638644	1
36	SAF-HOLLAND USA, INC.	1950 INDUSTRIAL BOULEVARD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110041028786	1
37	SPEEDWAY 6303	6582 GRAND HAVEN ROAD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061830844	1
38	BRINK TERMINAL	1222 HOLTON RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062033570	1

39	ADAC AUTOMOTIVE MUSKEGON PLANTS	2050 PORT CITY BOULEVARD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000899975	1
40	EXCEL PROPANE	365 SOUTH THIRD	FRUITPORT	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061906870	1
41	COMMUNITY RECYCLING SERVICES	1970 PORT CITY BLVD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061811259	1
42	KAYDON CORPORATION, PLANT #1	2860 MC CRACKEN ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061935900	1
43	METC WHITE LAKE SUBSTATION	9546 WALSH RD	MONTAGUE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062043550	1
44	MUSKEGON BULK PLANT	2685 HOLTON RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062095183	1
45	MUSKEGON AIRPORT	101 SINCLAIR DRIVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062014500	1
46	KNOLL INC	921 W WESTERN AV	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110009596883	1
47	GREAT LAKES FINISHING INC	510 WEST HACKLEY AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110003608007	1
48	TOWER LABORATORIES LTD	8060 WHITBECK RD	MONTAGUE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110003661332	1
49	CWC TEXTRON	1085 WEST SHERMAN BOULEVARD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410760	1
50	MEIJER #71 GAS STATION	1800 HOLTON RD	NORTH MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061867010	1
51	FRONTIER FRUITPORT CENTRAL OFF	3615 IDA ST	FRUITPORT	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061864941	1

52	FRONTIER MUSKEGON NORTH CENTRAL	410 FLEMING ST	NORTH MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062044461	1
53	MEIJER #19 GAS STATION	650 W. NORTON AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061906610	1
54	FRONTIER MUSKEGON-WOLF LAKE CEN	1075 S WOLF LAKE RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061851982	1
55	PARAMELT (AKA. M. ARGUESO & CO., INC)	2817 MCCracken ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061834298	1
56	HOME SERVICES OF WHITE LAKE, INC	124 E. COLBY	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061891001	1
57	MUSKEGON HEIGHTS- TREATMENT PLANT	2323 SEMINOLE ROAD	NORTON SHORES	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000573950	1
58	FRONTIER HOLTON CENTRAL OFFICE (MI6040002)	8560 NORTH HOLTON RD	HOLTON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062110013	1
59	HAZEKAMP MEATS	3933 SOUTH BROOKS ROAD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062044381	1
60	GREAT LAKES DIE CAST	701 W LAKETON AVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110064163916	1
61	MPLX TERMINALS LLC - NORTH MUSKEGON TERMINAL	3005 HOLTON ROAD	NORTH MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110017402014	1
62	ALLOY RESOURCE CORPORATION	2281 PORT CITY BLVD.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110037578387	1
63	AMERICAN GREASE STICK CO	2651 HOYT ST.	MUSKEGON HEIGHTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411000	1
64	ACUTEX INC	2001 PEACH ST	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110001844844	1

65	FRONTIER MUSKEGON HEIGHTS CENTER	2908 PECK ST	MUSKEGON HEIGHTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061938168	1
66	CRYSTAL FLASH - MUSKEGON	2199 NORTHWOODS DR.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061943562	1
67	KNOLL INC	2800 ESTES STREET	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410948	1
68	CANNON MUSKEGON CORP	2875 LINCOLN ST.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410751	1
69	BC COBB GENERATING PLANT	151 NORTH CAUSEWAY	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411037	1
70	LORIN INDUSTRIES	1960 ROBERTS ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110009027837	1
71	KOHLEY'S SUPERIOR PROPANE	17585 APPLE AVE	CASNOVIA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062015055	1
72	MIRROR IMAGE TOOLING	1985 E LAKETON AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062058810	1
73	METC STERNBERG SUBSTATION	4156 EAST STERNBERG ROAD	FRUITPORT	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061986533	1
74	LOWE'S OF MUSKEGON, MI (#199)	2035 EAST SHERMAN BLVD.	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061914585	1
75	SPEEDWAY LLC	2170 HOLTON RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110003573614	1
76	STRUCTURAL CONCEPTS CORP	888 EAST PORTER RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110054314416	1
77	HOWMET CORPORATION, PLANT 4	555 BENSTON RD.	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000742448	1

78	BASF CORPORATION	1740 WHITEHALL RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000494171	1
79	UGANSKI ROLL-OFF SERVICES	2344 PARK ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062001630	1
80	BRENNER OIL	1231 HOLTON RD	NORTH MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110008058500	1
81	FRONTIER MUSKEGON SOUTH CENTRAL OFFICE (MI6056001)	5214 MARTIN RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062043630	1
82	MUSKEGON SERVICE CTR.	2359 OLTHOFF	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062072983	1
83	ADAC AUTOMOTIVE KEATING AVE	1801 KEATING AVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062022804	1
84	TGW SYSTEMS, INC	6870 GRAND HAVEN RD	SPRING LAKE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061818564	1
85	CONCEP METAL PRODUCTS, INC	6781 GRAND HAVEN RD	SPRING LAKE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061866244	1
86	CASNOVIA PLANT	111 S NEWAYGO RD	CASNOVIA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110056950839	1
87	STATION MUSKEGON	1453 BEACH ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061851633	1
88	FRONTIER MUSKEGON-SEMINOLE CENTRAL OFFICE	1545 WEST SEMINOLE RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061854337	1
89	HOWMET CORPORATION, PLANTS 1 & 3	ONE MISCO DR.	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411135	1
90	UNITED PARCEL SERVICE INC	2399 ROBERTS	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110003683185	1

91	TRI STATE ALUMINUM CASTING CO INC	1060 E KEATING AVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110015806412	1
92	ALTA EQUIPMENT COMPANY	5920 GRAND HAVEN RD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061830292	1
93	THE HOME DEPOT STORE #2754	2699 HENRY STREET	ROOSEVELT PARK	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062057937	1
94	PARAMELT (AKA. M. ARGUESO & CO., INC.)	2833 LEON STREET	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061977320	1
95	MONTAGUE ARMORY / FMS 24	8061 COOK ST	MONTAGUE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062058945	1
96	PROGAS PROPANE - WHITEHALL	8220 WHITEHALL ROAD	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061936570	1
97	QUALITY PLATING CO INC	2712 MCILWRAITH ST.	MUSKEGON HEIGHTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000411019	1
98	KOHLEY ENTERPRISES, INC.	2404 GLADE ST	MUSKEGON HEIGHTS	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061847569	1
99	PROGAS PROPANE - MUSKEGON	1535 SOUTH WALKER ROAD	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061803623	1
100	LAFARGE CEMENT, MUSKEGON TERMINAL	780 WEST WESTERN AVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062029585	1
101	HOWMET RESEARCH CENTER	1500 S WARNER RD	WHITEHALL	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110003577246	1
102	SNAPPY APPLE FARMS INC.	961 NEWAYGO ROAD	CASNOVIA	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110022866530	1
103	WHITE RIVER 2 UNIT	11165 CHASE RD	MONTAGUE	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110062010602	1

104	JOHNSON TECHNOLOGY INC	6060 NORTON CENTER DR	NORTON SHORES	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110006412738	1
105	INTRA CITY DISPATCH	1221 EAST KEATING AVENUE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061875537	1
106	MICHIGAN SPRING AND STAMPING	2700 WICKHAM DR	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110000410920	1
107	LAKE WELDING SUPPLY CO	363 OTTAWA ST	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110018938248	1
108	RYDER TRANS SVC #2627	2040 EAST LAKETON AVE	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061855292	1
109	FRONTIER MUSKEGON-LAKESIDE CENTER MI6053001	1831 LAKESHORE DR	MUSKEGON	https://ofmpub.epa.gov/frs_public2/fii_query_detail_disp_program_facility?p_registry_id=110061976820	1

Railroads

#	Railroad	Emergency Phone	Contact Phone	Class	Length(mi)
1	Mid-Michigan Railroad	866-527-3499	989-797-5128	No Data	29.34
2	Marquette Rail	866-527-3499	231-845-9000	No Data	4.43

Petroleum Pipelines

#	Name	System	Emergency Phone	Contact Phone	Length(mi)
1	Marathon Pipe Line, LLC	Griffith - North Muskegon 10in. Products	800-537-6644	317-291-9460; 419-421-3260	15.93

Oil and Natural Gas Pipelines

#	Name	System	Description	Length(mi)
1	Michigan Consolidated Gas Co.	Central	Natural Gas Pipeline	46.43
2	Michigan Consolidated Gas Co.	No Data	Natural Gas Pipeline	22.31
3	Marathon Pipe Line, LLC	Griffith-North Muskegon 10in Products	Refined Petroleum Pipeline	16.28
4	Michigan Gas Utilities Corp.	12420	Natural Gas Pipeline	7.83
5	Michigan Consolidated Gas Co.	Distribution Operated	Natural Gas Pipeline	0.76

Marinas

#	Name	Address	City	Emergency Phone	Contact Phone	Waterbody	Count
1	Balcom's Cove	2964 Lakeshore Dr.	Muskegon	231-724-6236	626-355-6387	Muskegon Lake, Lake Michigan Access	1
2	Torresen Marine, Inc.	3126 Lakeshore Dr.	Muskegon	231-724-6236	231-759-8596	Muskegon Lake, Lake Michigan Access	1
3	Bluffton Bay Marina	3036 Lakeshore Dr.	Muskegon	231-724-6236	231-759-1221	Muskegon Lake, Lake Michigan Access	1
4	White Lake Yacht Club	6748 S Shore Dr.	Whitehall	231-724-6236	231-894-4516	White Lake, Lake Michigan Access	1
5	Sea Tow Services-West Michigan	6074 Murray Rd.	Whitehall	231-724-6236	231-894-2025	White Lake, Lake Michigan Access	1
6	HK Endeavors	6180 Murray Rd.	Whitehall	231-724-6236	231-893-7035	White Lake, Lake Michigan Access	1
7	Budd's North Shore Marina, Inc.	2975 Memorial Dr.	North Muskegon	231-724-6351	231-744-5763	Muskegon Lake, Lake Michigan Access	1
8	Great Lakes Marina & Storage	1920 Lakeshore Dr.	Muskegon	231-724-6236	231-759-8230	Muskegon Lake, Lake Michigan Access	1
9	Terrace Point Marina	625 Terrace Point Blvd.	Muskegon	231-724-6236	231-722-4448	Muskegon Lake, Lake Michigan Access	1
10	Muskegon Conservation Club Marina	1921 Lake Ave.	North Muskegon	231-724-6236	231-744-8326	Muskegon Lake	1
11	North Pier	2411 Lake Ave.	Muskegon	231-724-6236	231-744-2163	Lake Muskegon, Lake Michigan Access	1
12	Crosswinds Marine Service	302 S Lake St.	Whitehall	231-724-6236	231-894-4549	White Lake, Lake Michigan Access	1
13	White Lake Moorings	220 S Lake St.	Whitehall	231-724-6236	231-893-5253	White Lake, Lake Michigan Access	1
14	Montague Marina	4770 Goodrich St.	Montague	231-724-6236	231-893-4737	White Lake	1
15	Willow Point/Mona Lake Boating Club	372 Randall Rd.	Muskegon	231-270-2877	231-798-4011	Mona Lake, Lake Michigan Access	1
16	Pigeon Key Marina	3545 Marina View Point	Muskegon	231-343-9125	231-755-7511	Muskegon Lake, Lake Michigan Access	1
17	Hartshorn Marina	920 W Western Ave.	Muskegon	231-720-5297 / 231-724-6908	231-724-6785	Lake Muskegon, Lake Michigan Access	1
18	Pointe Marine Association	350 Cihak St.	North Muskegon	231-724-6236	231-744-3236	Muskegon Lake, Bear Lake, Lake Michigan Access	1
19	Dock Marina, Inc.	3092 Lakeshore Dr.	Muskegon	231-759-0627	231-759-0627	Muskegon Lake, Lake Michigan Access	1
20	Lakeshore Yacht Harbor	1200 Lakeshore Dr.	Muskegon	231-724-6236	231-726-5770	Muskegon Lake	1
21	Muskegon Yacht Club	3198 Edgewater St.	Muskegon	231-722-3524	231-755-1414	Muskegon Lake, Lake Michigan Access	1

22	Ellenwood Landing	8560 Ellenwood Dr.	Montague	231-724-6236	231-893-9663	White Lake, Lake Michigan Access	1
23	Harbour Towne Marina	3429 Fulton Ave.	Muskegon	231-724-6236	231-755-2218	Muskegon Lake, Lake Michigan Access	1
24	Whitehall Municipal Marina	100 N Lake St.	Whitehall	231-724-6236	231-894-9689	White Lake, Lake Michigan Access	1
25	Whitehall Landing, Inc.	410 S Lake St.	Whitehall	231-842-0111	231-894-5622	White Lake, Lake Michigan Access	1

Boat Access

#	Name	Operator	Waterbody	Latitude	Longitude	Count
1	Deremo Park	Muskegon County	Big Blue Lake	43.45949999988079	-86.20669999998063	1
2	Moore Park	Muskegon County	Half Moon Lake	43.25579999946058	-85.80989999976009	1
3	Twin Lake Park	Muskegon County	Twin Lake	43.36730000004172	-86.1671000001952	1
4	Wolf Lake	Egelston TWP	Wolf Lake	43.25679999962449	-86.09429999999702	1
5	Duck	Duck Lake SP	Duck Lake	43.341700000688434	-86.4031999995932	1
6	Muskegon	Muskegon SP	Muskegon Lake	43.24929999932647	-86.33029999956489	1
7	Fruitport	Village of Fruitport	Spring Lake	43.12230000086129	-86.15629999991506	1
8	Mona Lake Park	City of Muskegon Heights	Mona Lake	43.18649999983609	-86.23620000015944	1
9	Giddings.st Rmp	City of Muskegon	Muskegon Lake	43.24379999935627	-86.24309999961406	1
10	Hartshorn Mun	City of Muskegon	Muskegon Lake	43.23130000010133	-86.26960000023246	1
11	Cottage.grove	City of Muskegon	Muskegon Lake	43.21519999951124	-86.31539999973029	1
12	Grand Trunk	City of Muskegon	Muskegon Lake	43.21719999983907	-86.29459999967366	1
13	Montague	City of Montague	White Lake	43.41149999946356	-86.35709999967366	1
14	Whitehall	Muskegon SP	White Lake	43.4100000014901	-86.352300000377	1
15	Muskegon - (Hartshorn Marina)	Muskegon SP	Muskegon Lake	43.230599999427795	-86.26599999982864	1

Non-navigational Dams

#	Name	Latitude	Longitude	Count
1	Whitehall Millpond Dam	43.380000000819564	-86.35670000035316	1
2	Muskegon Waste Water Lagoons	43.25	-86.04169999994338	1
3	Silver Creek Pond Dam	43.433299999684095	-86.30329999979585	1
4	Cleveland Lake Dam	43.441700000315905	-86.23000000044703	1
5	Little Black Lake Dam	43.12580000050366	-86.25279999990016	1
6	Browns Pond Dam	43.46030000038445	-86.2593999998644	1

Rivers and Streams

#	Name	Feature	Length(mi)
1	Cedar Creek	Stream	21.35
2	Crockery Creek	Stream	18.18
3	Black Creek	Stream	17.44
4	Muskegon River	Stream	15.08
5	Norris Creek	Stream	10.08
6	White River	Stream	8.80
7	<i>No Data</i>	Stream	8.17
8	White River	Artificial Path	6.54
9	Black Creek	Artificial Path	4.26
10	Black Creek	Stream Intermittent	3.33
11	North Branch Crockery Creek	Stream	3.05
12	Norris Creek	Stream Intermittent	0.87
13	<i>No Data</i>	Stream Intermittent	0.62
14	Brooks Creek	Stream	0.40

Lakes and Ponds

#	Name	Description	Area(acres)
1	No Data	Reservoir: Reservoir Type = Disposal	1,914.74
2	Mona Lake	Lake/Pond: Hydrographic Category = Perennial	1,347.73
3	No Data	Lake/Pond: Hydrographic Category = Perennial	416.49
4	Big Blue Lake	Lake/Pond: Hydrographic Category = Perennial	328.08
5	Wolf Lake	Lake/Pond: Hydrographic Category = Perennial	221.85
6	Little Black Lake	Lake/Pond: Hydrographic Category = Perennial	205.07
7	Cleveland Lake	Lake/Pond: Hydrographic Category = Perennial	130.66
8	Duck Lake	Lake/Pond: Hydrographic Category = Perennial	121.55
9	Little Blue Lake	Lake/Pond: Hydrographic Category = Perennial	104.25
10	Twin Lakes	Lake/Pond: Hydrographic Category = Perennial	100.15
11	Fox Lake	Lake/Pond: Hydrographic Category = Perennial	91.10
12	West Lake	Lake/Pond: Hydrographic Category = Perennial	80.90
13	Sweet Lake	Lake/Pond: Hydrographic Category = Perennial	61.23
14	Half Moon Lake	Lake/Pond: Hydrographic Category = Perennial	58.34
15	North Lake	Lake/Pond: Hydrographic Category = Perennial	58.32
16	Clear Lake	Lake/Pond: Hydrographic Category = Perennial	57.72
17	Crocker Lake	Lake/Pond: Hydrographic Category = Perennial	51.39
18	Muskrat Lake	Lake/Pond: Hydrographic Category = Perennial	50.68
19	Owasippe Lake	Lake/Pond: Hydrographic Category = Perennial	49.92
20	Deer Lake	Lake/Pond: Hydrographic Category = Perennial	46.50
21	Round Lake	Lake/Pond: Hydrographic Category = Perennial	44.75
22	Hart Lake	Lake/Pond: Hydrographic Category = Perennial	44.38
23	Echo Lake	Lake/Pond: Hydrographic Category = Perennial	42.22
24	Spring Lake	Lake/Pond: Hydrographic Category = Perennial	41.20
25	No Data	Lake/Pond: Hydrographic Category = Intermittent	40.20
26	Hendrickson Lake	Lake/Pond: Hydrographic Category = Perennial	39.71
27	John Adams Lake	Lake/Pond: Hydrographic Category = Perennial	35.95

28	Austin Lake	Lake/Pond: Hydrographic Category = Perennial	33.69
29	Schaffer Lake	Lake/Pond: Hydrographic Category = Perennial	29.46
30	Silver Creek Pond	Lake/Pond: Hydrographic Category = Perennial	28.90
31	Goose Egg Lake	Lake/Pond: Hydrographic Category = Perennial	28.89
32	Carr Lake	Lake/Pond: Hydrographic Category = Perennial	23.38
33	Burns Lake	Lake/Pond: Hydrographic Category = Perennial	22.81
34	Britton Lake	Lake/Pond: Hydrographic Category = Perennial	21.08
35	Sadony Bayou	Lake/Pond: Hydrographic Category = Perennial	20.18
36	Pine Island Lake	Lake/Pond: Hydrographic Category = Perennial	18.43
37	Baker Lake	Lake/Pond: Hydrographic Category = Perennial	16.34
38	Mayo Lake	Lake/Pond: Hydrographic Category = Perennial	15.68
39	Browns Pond	Lake/Pond: Hydrographic Category = Perennial	15.21
40	Sweeter Lake	Lake/Pond: Hydrographic Category = Perennial	15.20
41	Olson Lake	Lake/Pond: Hydrographic Category = Perennial	13.85
42	Ovidhall Lake	Lake/Pond: Hydrographic Category = Perennial	12.69
43	Lake Lorraine	Lake/Pond: Hydrographic Category = Perennial	12.54
44	Schneider Lake	Lake/Pond: Hydrographic Category = Perennial	12.01
45	Wood Lake	Lake/Pond: Hydrographic Category = Perennial	11.11
46	Mill Pond	Lake/Pond: Hydrographic Category = Perennial	9.33
47	<i>No Data</i>	Reservoir; Reservoir Type = Treatment	8.28
48	Dalton Lake	Lake/Pond: Hydrographic Category = Perennial	6.31
49	Ergang Lake	Lake/Pond: Hydrographic Category = Perennial	6.10
50	Coles Lake	Lake/Pond: Hydrographic Category = Perennial	5.08
51	Square Lake	Lake/Pond: Hydrographic Category = Perennial	4.77

Response Strategies

#	Name	City	Latitude	Longitude	Contact	Contact Phone	Count
1	Cedar Creek Pipeline Crossing	Muskegon	43.26264399970726	-86.24615200022748	<i>No Data</i>	<i>No Data</i>	1
2	N Muskegon River Pipeline Crossing	Muskegon	43.271300000361435	-86.22070000019906	<i>No Data</i>	<i>No Data</i>	1
3	W Half of Muskegon Lake	Muskegon	43.232499999678446	-86.309000000063988	<i>No Data</i>	<i>No Data</i>	1
4	E Half of Muskegon Lake	Muskegon	43.24570000017153	-86.26459999967268	<i>No Data</i>	<i>No Data</i>	1

Response Strategies (Cont'd)

#	Name	Waterbody	River Mile	Boat Access	Land Access	Owner	Count
1	Cedar Creek Pipeline Crossing	Cedar Creek	N/A	YES	YES	public	1
2	N Muskegon River Pipeline Crossing	N Muskegon River	N/A	NO	YES	private	1
3	W Half of Muskegon Lake	Muskegon Lake	N/A	YES	YES	public and private	1
4	E Half of Muskegon Lake	Muskegon Lake	N/A	YES	YES	public and private	1

Response Strategies (Cont'd)

#	Name	Strategy	Boom Length (Feet)	Shoreline Type	Location	Comments	Count
1	Cedar Creek Pipeline Crossing	Containment & Collection	500	Upland forest or grassland	By Veterans Memorial Park and M Causeway at Cedar Creek.	Using cascading booming, close off section of Cedar Creek and contain/collect spilled product from shore.	1
2	N Muskegon River Pipeline Crossing	Containment & Collection	1000	Wetland vegetation	Shorelines between US Hwy 31 and M Causeway.	Protect shoreline.	1
3	W Half of Muskegon Lake	Exclusion	2000+	Urban, riprap, or other developed	Shores along western half of Muskegon Lake.	Protect marinas and shoreline of Muskegon Lake. Exclude material from entering marinas. Determine strategy based on spill trajectory and weather conditions.	1
4	E Half of Muskegon Lake	Exclusion	2000+	Urban, riprap, or other developed	Shores along eastern half of Muskegon Lake.	Protect marinas and harbors as well as commercial docks on shore of Muskegon Lake. Exclude material from entering marinas. Determine strategy based on spill trajectory and weather conditions.	1