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NATIONAL PROTECTION AND PROGRAMS DIRECTORATE

OFFICE OF CYBER AND INFRASTRUCTURE ANALYSIS

Analysis – Bakken Crude Oil Flows by Rail

July 29, 2014

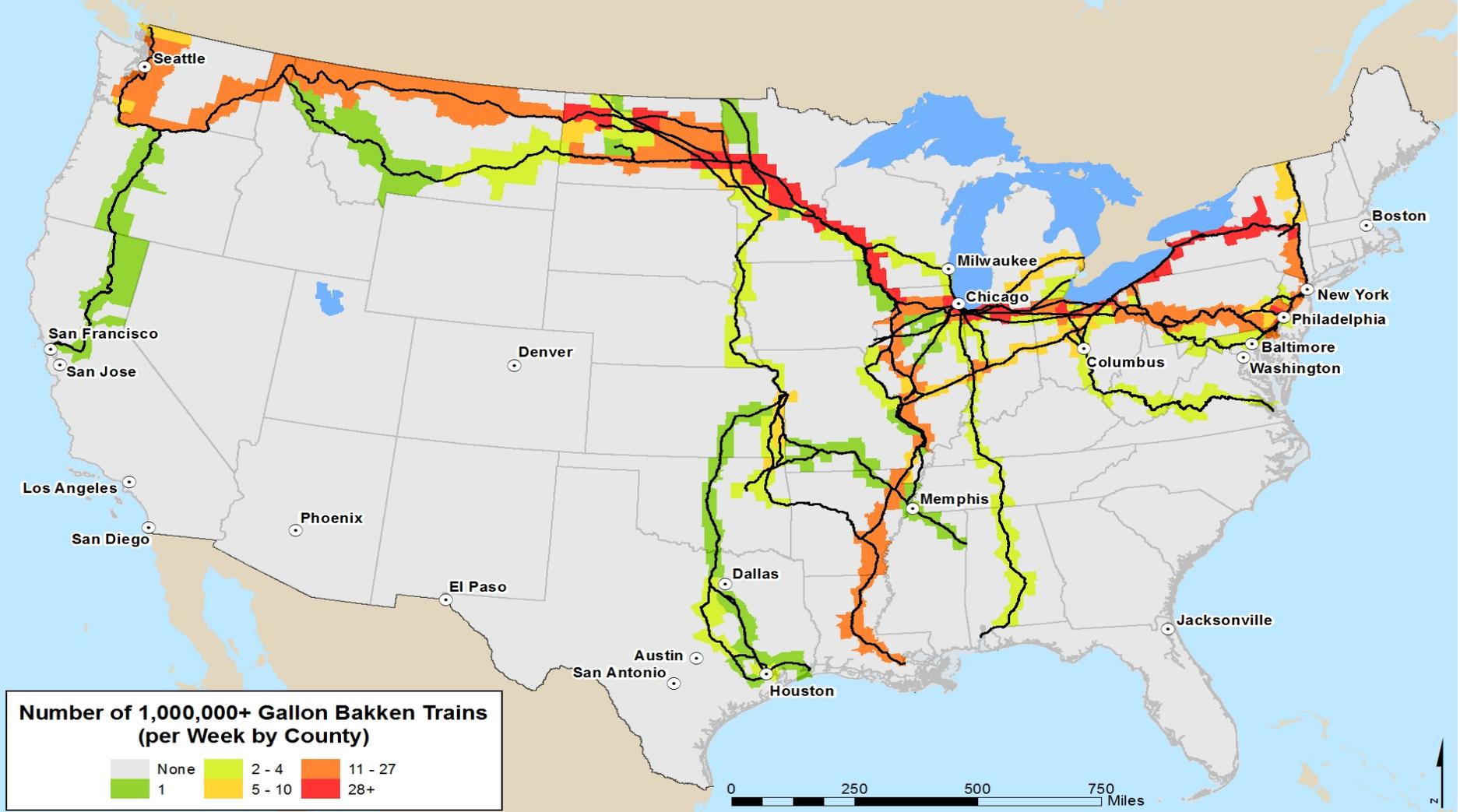


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DOT Emergency Order Data

Trains Moving 1M+ Gallons of Bakken per Week



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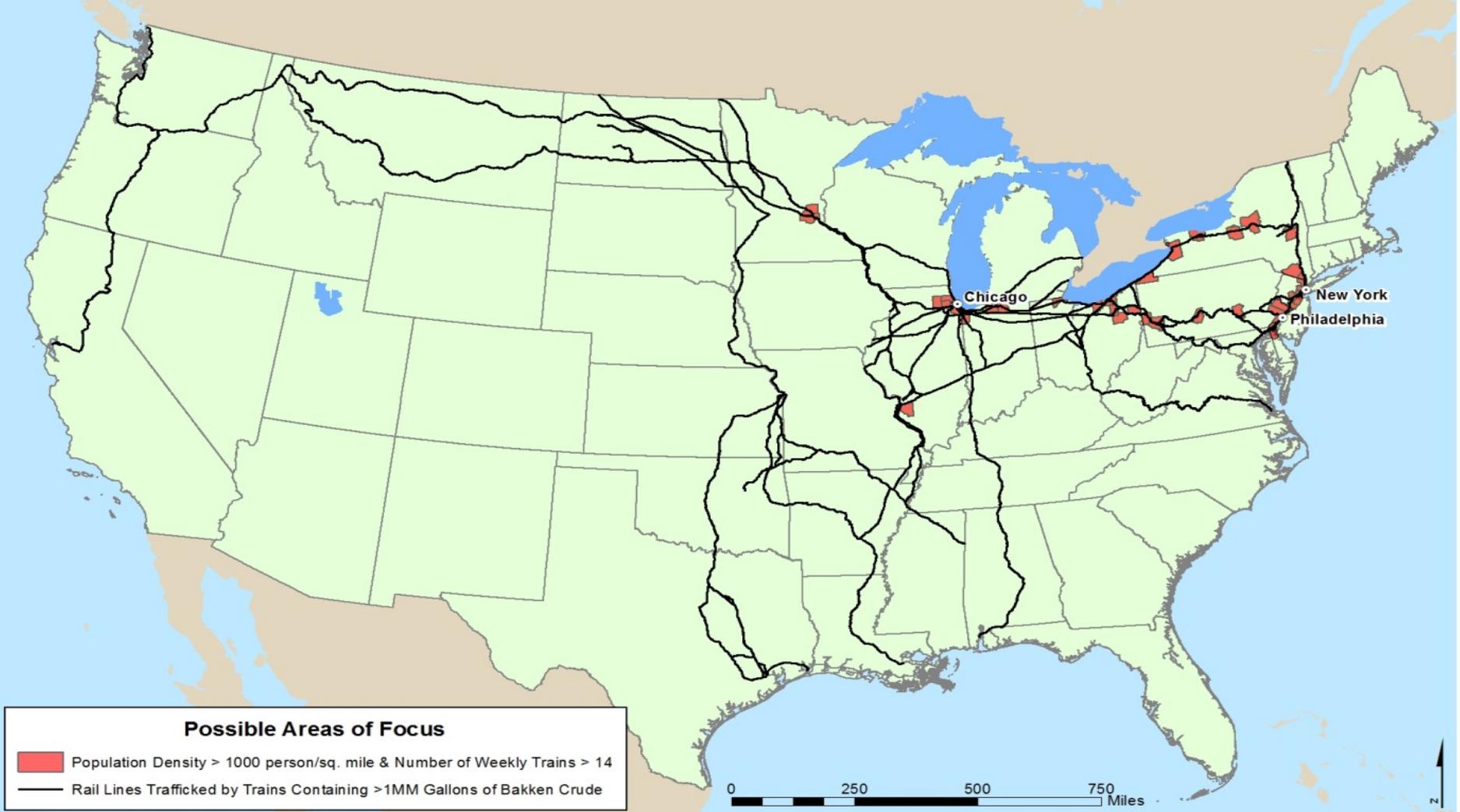
Populations Potentially Impacted

Population Density within 1/2 Mile of Bakken Rail Line



Possible Areas of Focus

Population Centers With High Volume Bakken Lines



Possible Areas of Focus

Population Centers With High Volume Bakken Lines

New Castle, DE

Cook, IL

DuPage, IL

Kane, IL

St. Clair, IL

Elkhart, IN

Lake, IN

St. Joseph, IN

Anoka, MN

Hennepin, MN

Ramsey, MN

Bergen, NJ

Essex, NJ

Hudson, NJ

Mercer, NJ

Middlesex, NJ

Somerset, NJ

Union, NJ

Albany, NY

Erie, NY

Monroe, NY

Oneida, NY

Onondaga, NY

Orange, NY

Rockland, NY

Schenectady, NY

Cuyahoga, OH

Lake, OH

Lorain, OH

Lucas, OH

Mahoning, OH

Stark, OH

Summit, OH

Allegheny, PA

Beaver, PA

Blair, PA

Bucks, PA

Dauphin, PA

Delaware, PA

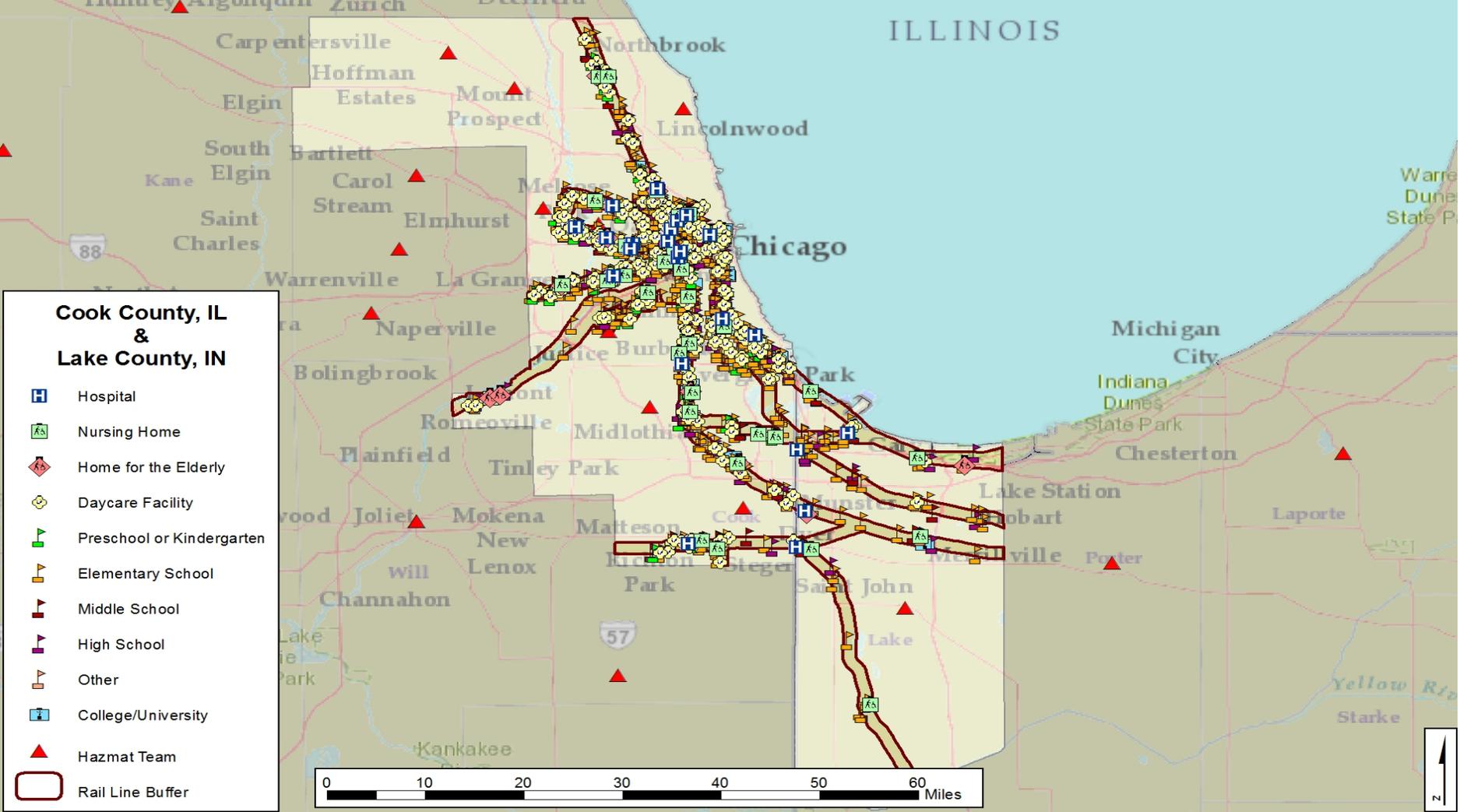
Erie, PA

Montgomery, PA

Philadelphia, PA

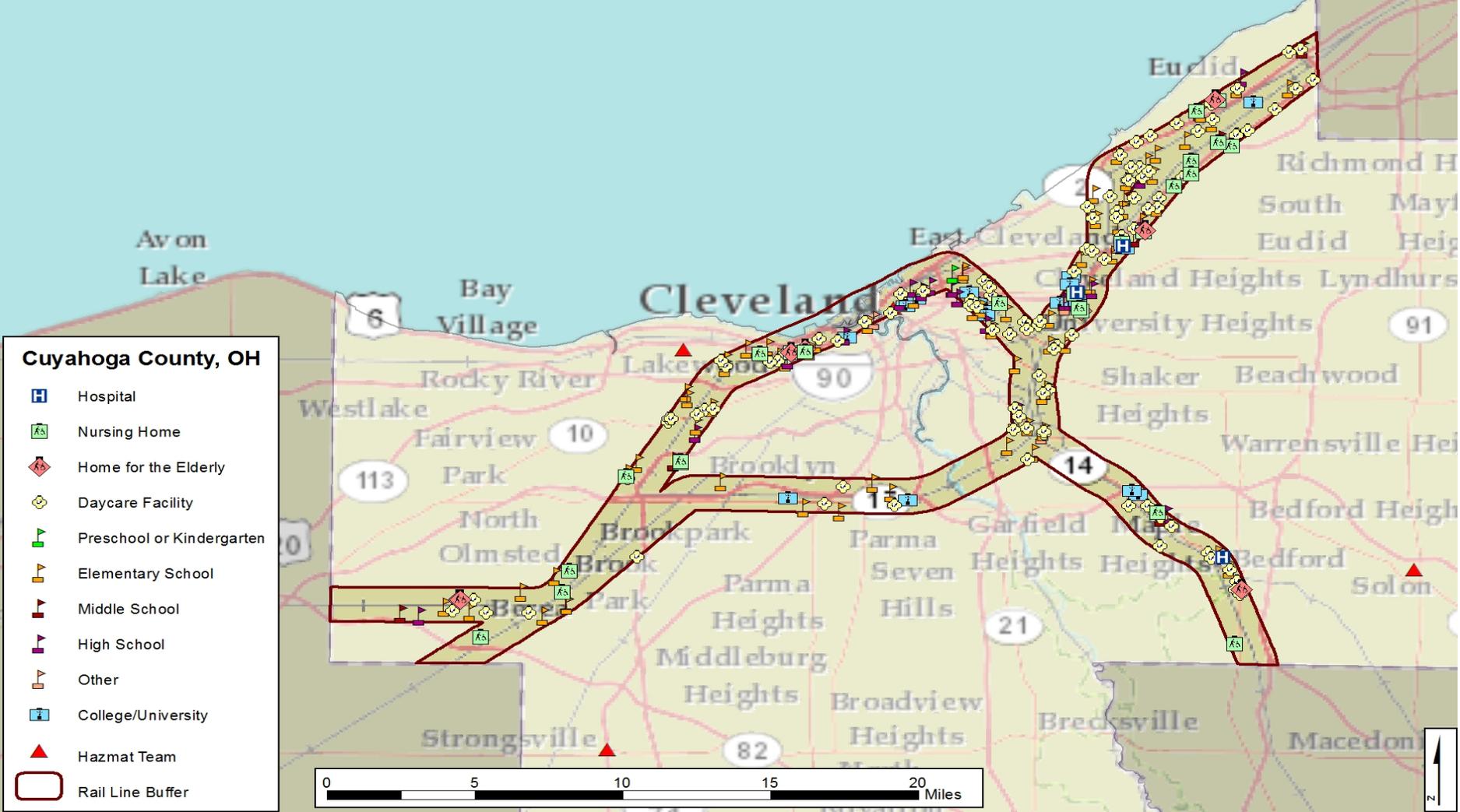
Cook (IL) & Lake (IN) Counties

Sensitive Infrastructure and Bakken Rail Lines



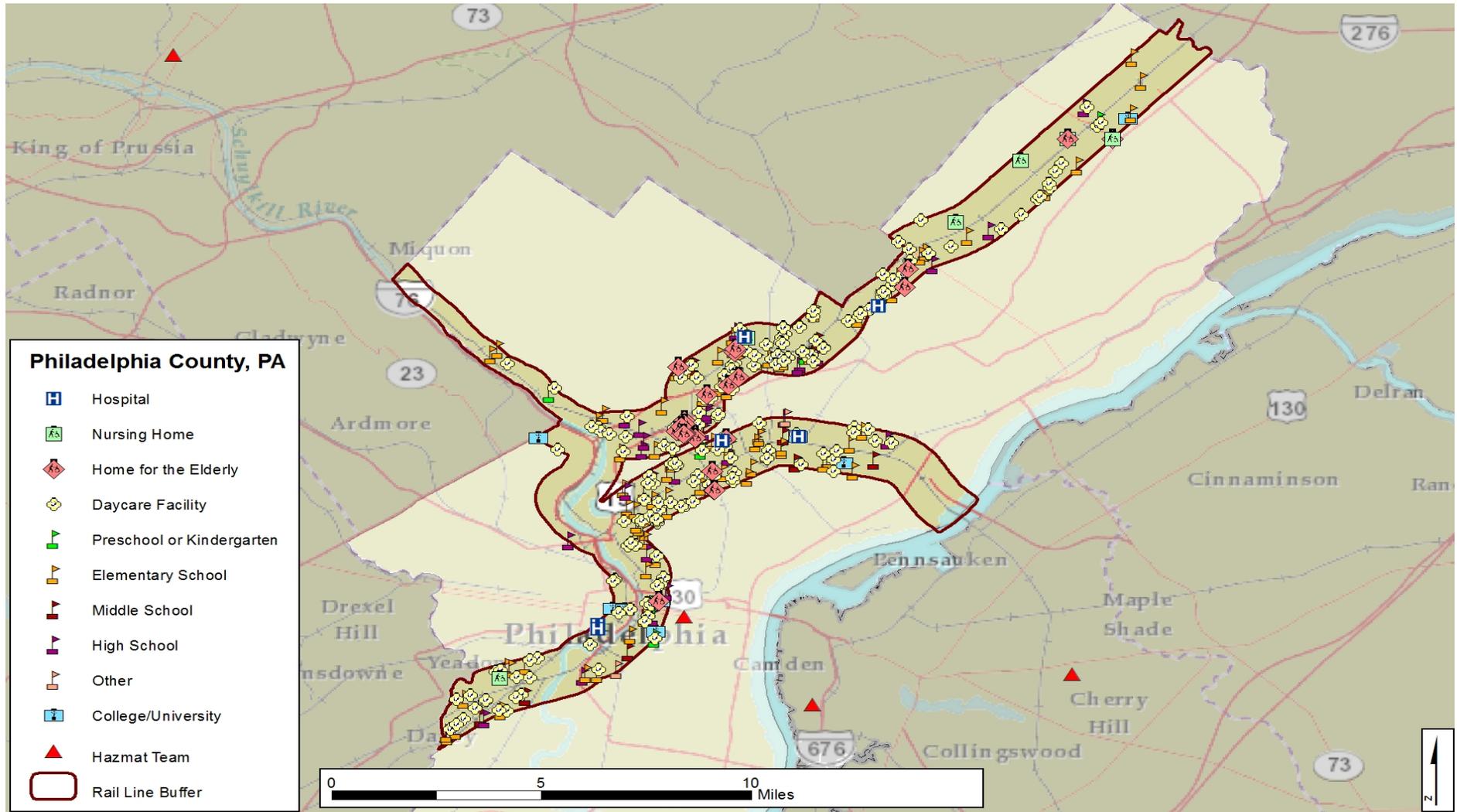
Cuyahoga County

Sensitive Infrastructure and Bakken Rail Lines



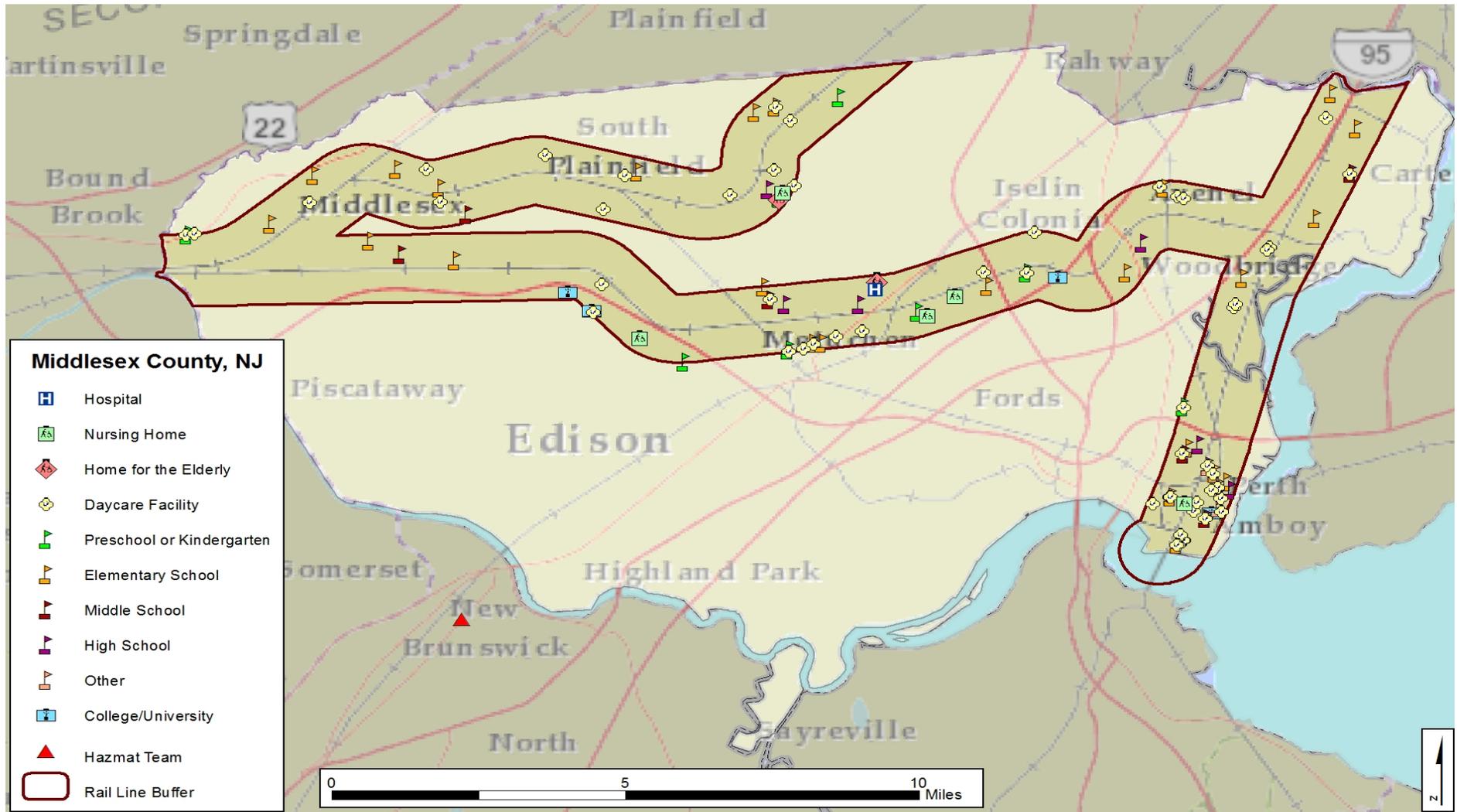
Philadelphia County

Sensitive Infrastructure and Bakken Rail Lines



Middlesex County

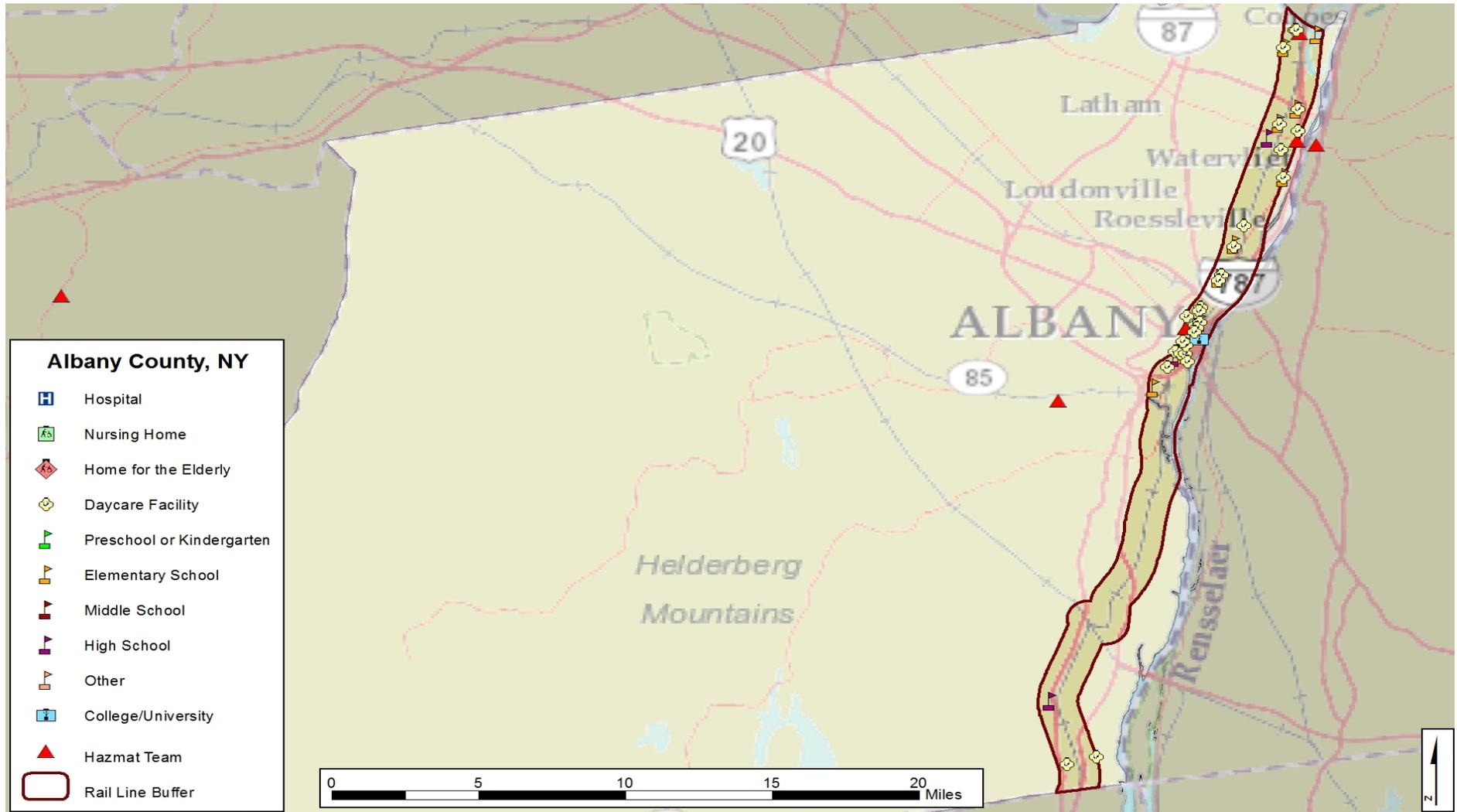
Sensitive Infrastructure and Bakken Rail Lines



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Albany County

Sensitive Infrastructure and Bakken Rail Lines



Waterway Analysis

Navigable Waterways within 1/2 Mile of Bakken Rail Line



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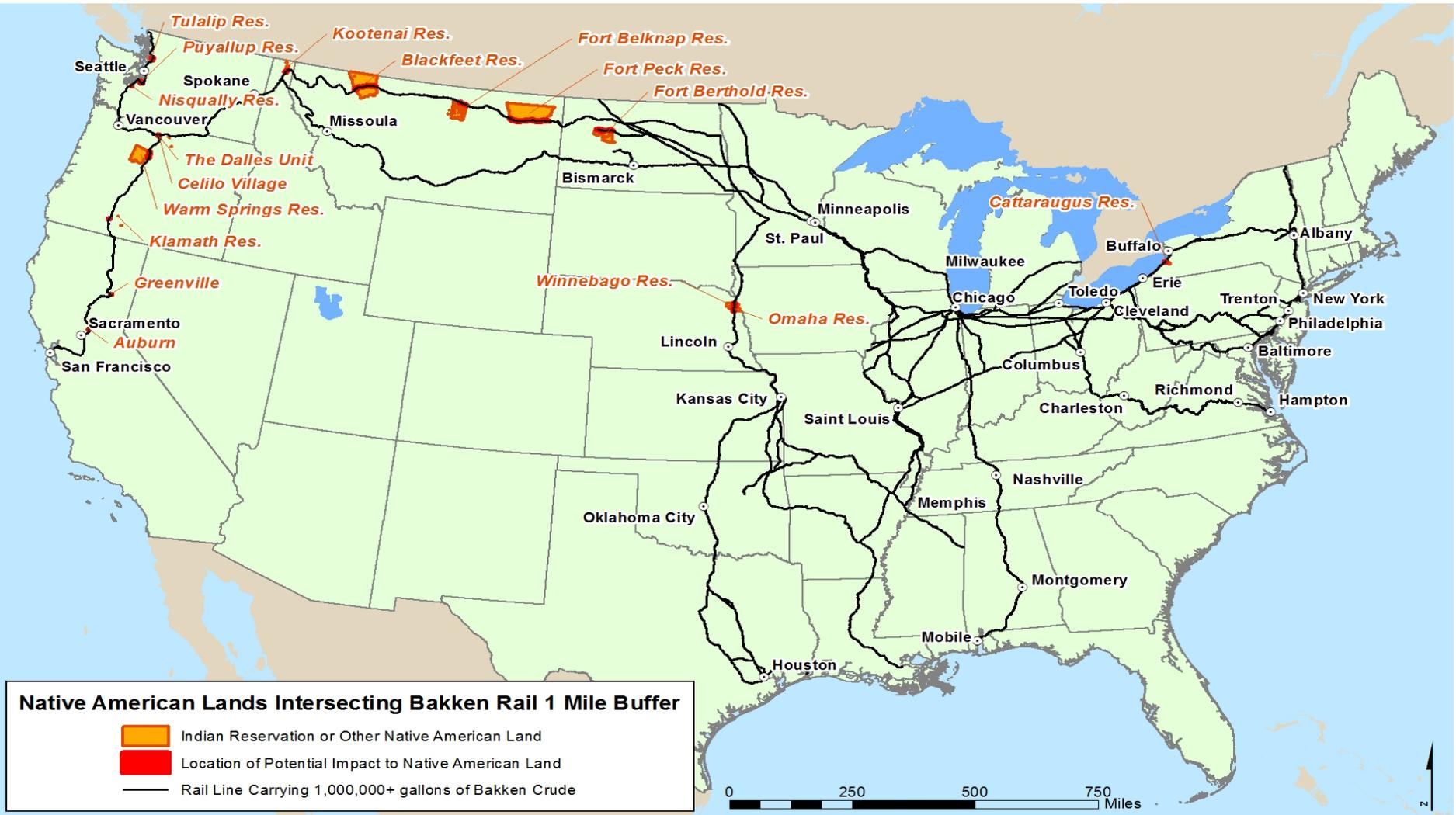
Protected Areas Analysis

USGS Protected Areas within 1/2 Mile of Bakken Rail Line



Tribal Analysis

Native American Lands within 1/2 Mile of Bakken Rail Line





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www.dhs.gov/office-cyber-infrastructure-analysis