

**TOWN OF GILMAN
PIERCE COUNTY, WISCONSIN**

ORDINANCE NUMBER 2025-01

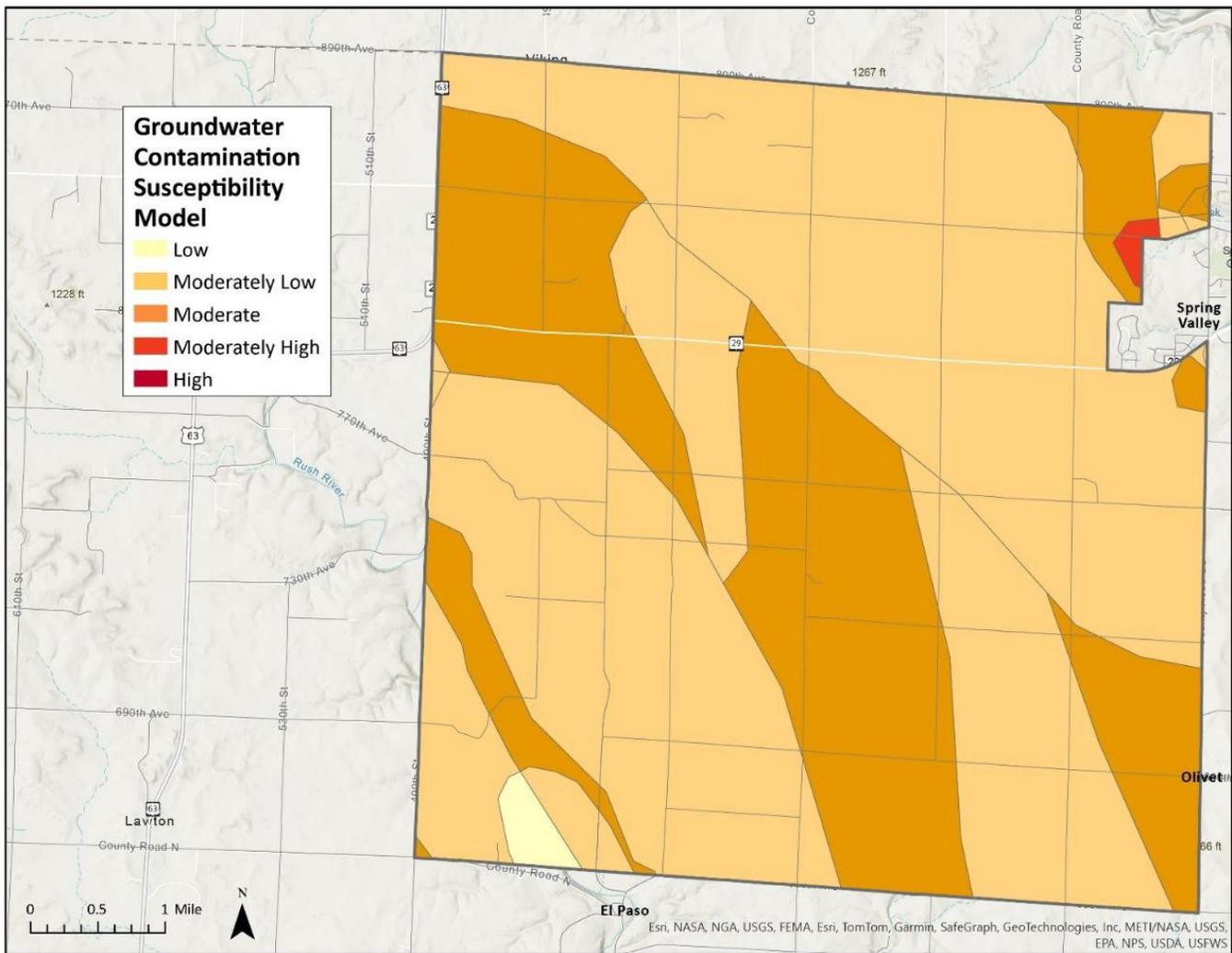
**CONCENTRATED ANIMAL FEEDING OPERATIONS (CAFO)
ORDINANCE**

APPENDIX B.

Map 1. Groundwater Susceptibility to Contamination Model - Local Finding 9

Five factors contribute to groundwater susceptibility, including: type of soil, bedrock and materials between soil and bedrock; depth to bedrock; and depth to groundwater. Data from the Wisconsin Department of Natural Resources Groundwater Susceptibility Model was divided into five evenly spread categories ranging from high to low. Of the town's total acreage approximately 31% of the land is moderately susceptible and 68% moderately low, with remaining and 1% ranked low susceptibility.

Groundwater Susceptibility to Contamination	Percent of Total
High	0%
Moderately High	<1%
Moderate	31%
Moderately Low	68%
Low	1%



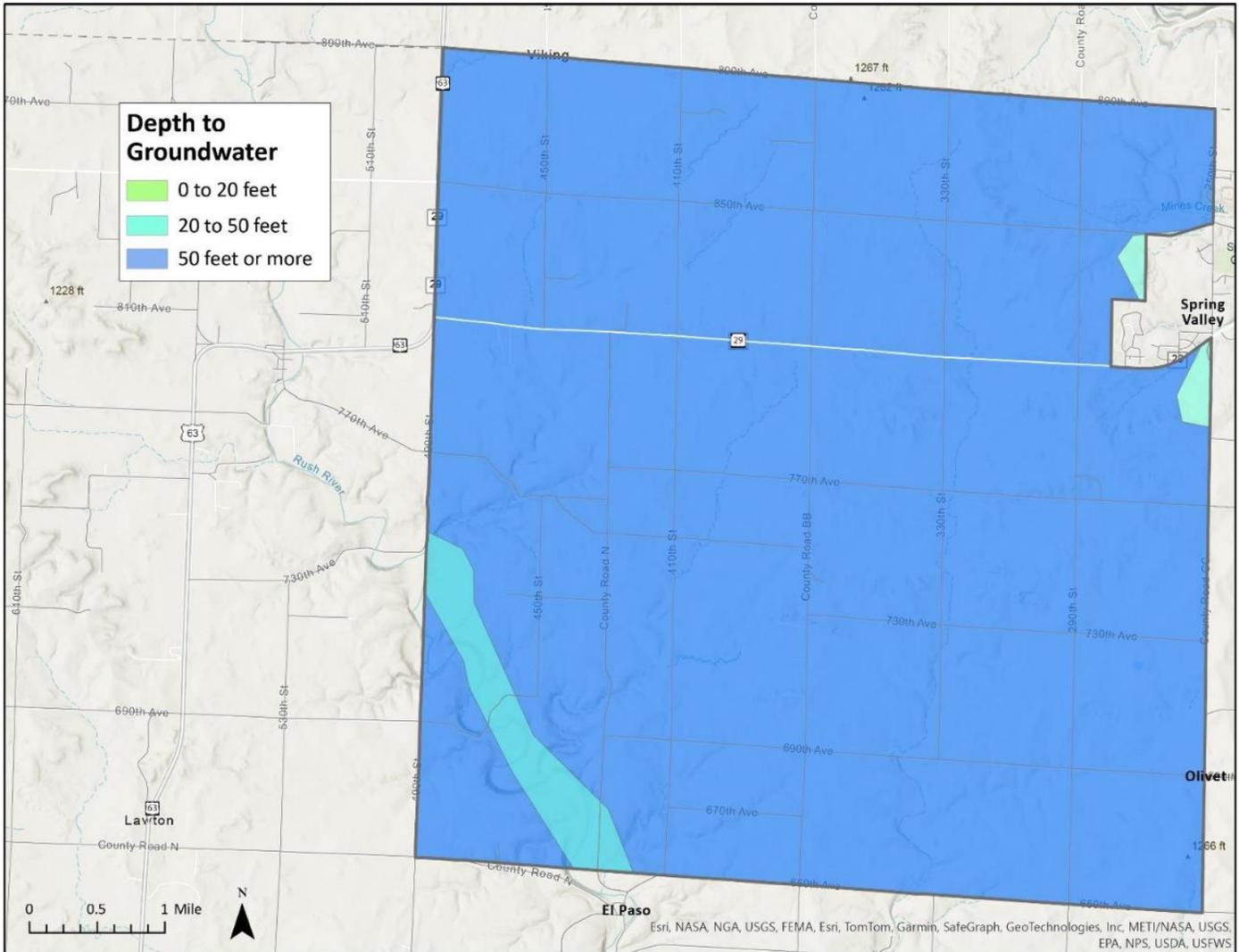
Source: Wisconsin Department of Natural Resources (DNR)

<https://geodata.wisc.edu/catalog/CF9E8298-63E5-43C7-9E8A-DEDCB93C1519>

Map 2. Depth to Groundwater - Local Finding 10

Approximately 0% of Gilman's total acres have groundwater within 20 feet of the land surface, 2% is 20 to 50 feet, and 98% is over 50 feet from the land surface.

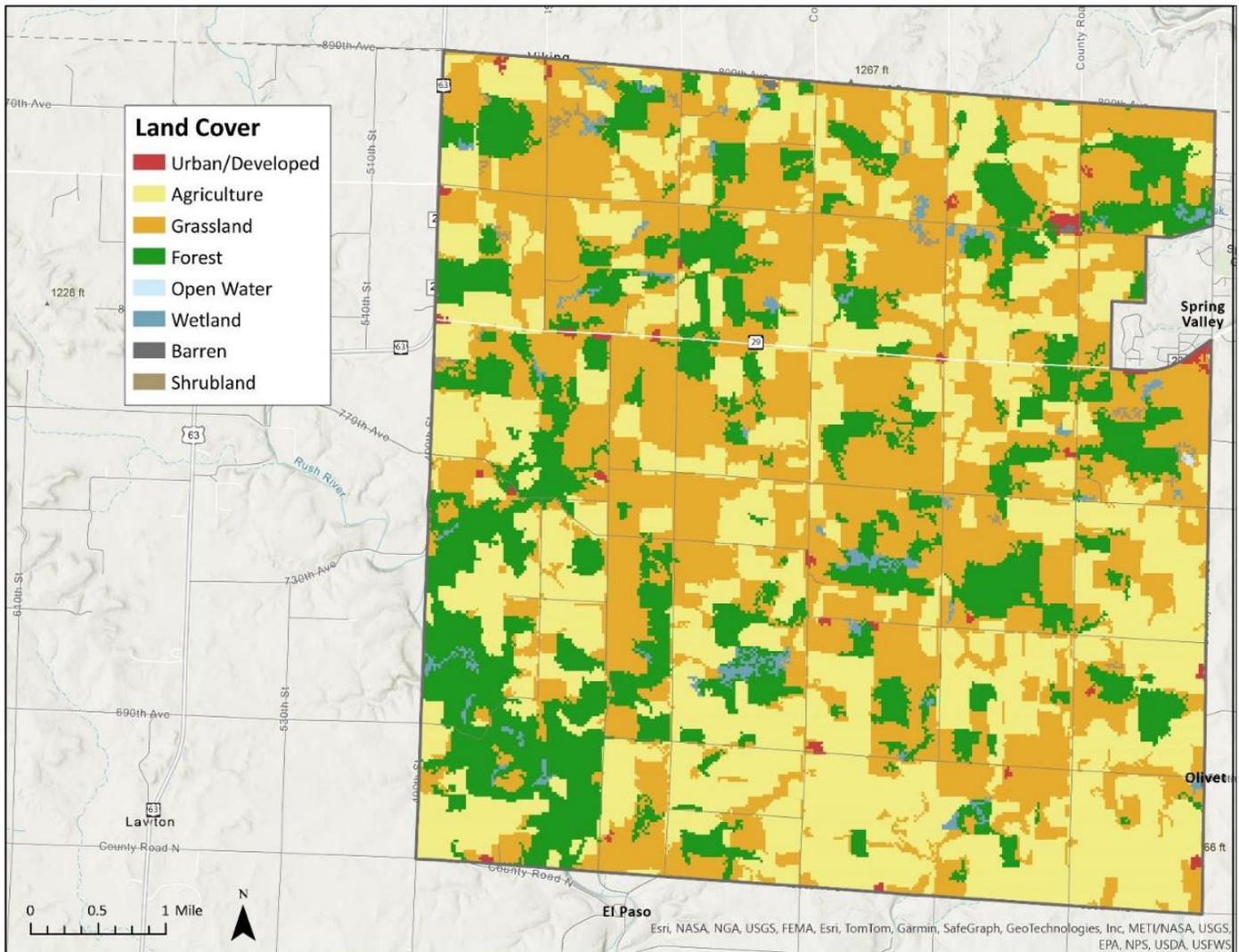
Depth to Groundwater	
1-20ft	0%
20ft - 50ft	2%
Over 50ft	98%



Source: Wisconsin DNR Groundwater Susceptibility Model, Depth to Groundwater
<https://data-wi-dnr.opendata.arcgis.com/datasets/wi-dnr::gcs-m-water-table-depth/about>

Map 3. Land Cover - Local Finding 11

Land Cover - WiscLand (Not land use)	Percent
Agriculture	36%
Barren	<1%
Forest	22%
Grassland	40%
Open Water	<1%
Shrubland	<1%
Urban/Developed	1%
Wetland	1%



Source: Wisconsin Land Cover Data (WISCLAND 2.0)
<https://dnr.wisconsin.gov/maps/WISCLAND>

Map 4. Fragile Soil Index - Local Finding 12

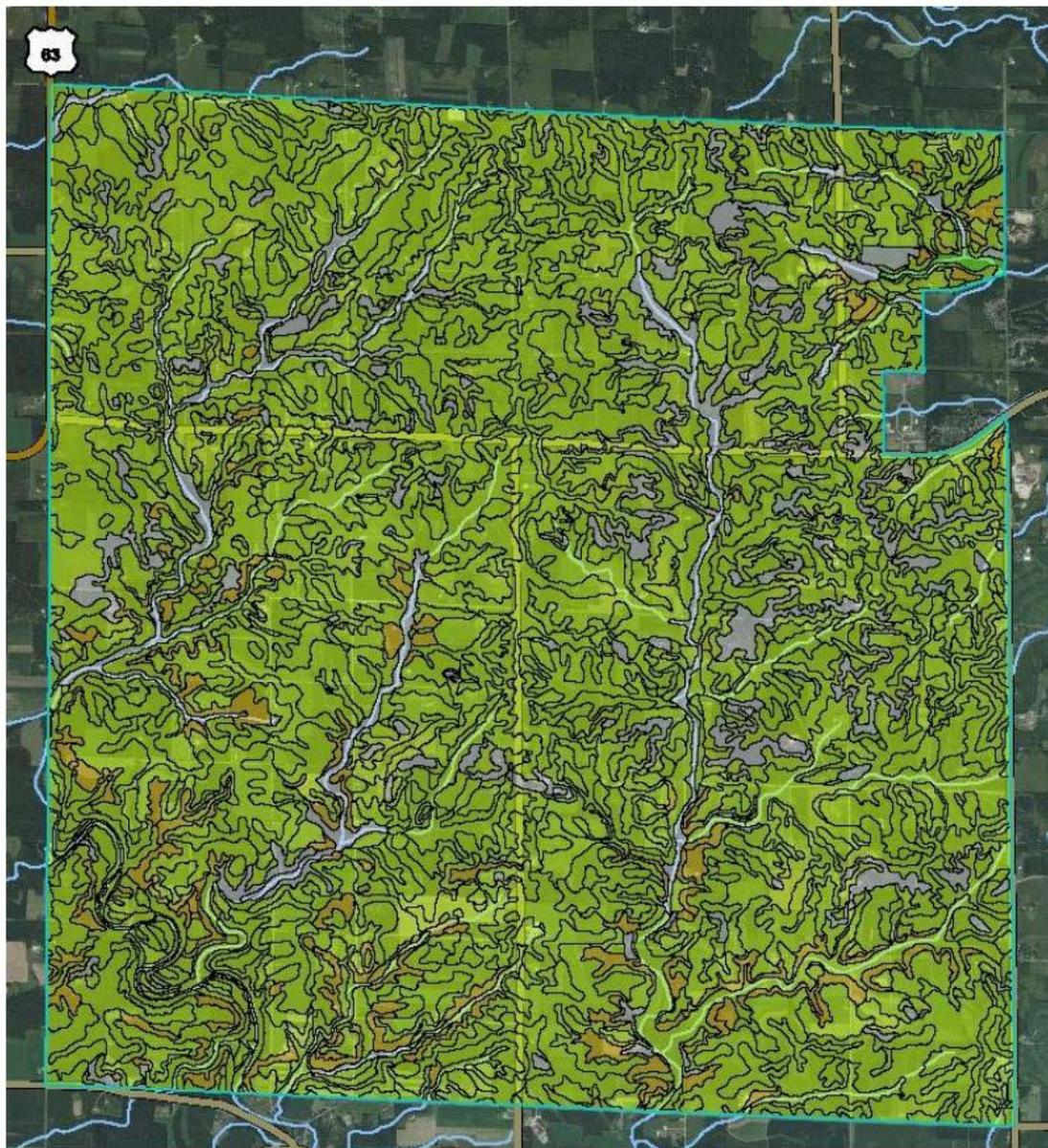
Fragile soils are those that are most vulnerable to degradation. They are easily degraded and are highly susceptible to erosion with low resilience.

They are characterized as having low organic matter contents, low water-stable aggregates and low soil structure.

Fragile soils are generally located on sloping ground, have sparse plant cover and tend to be in arid and semiarid regions.

A fragile soil index interpretation was developed to rate soils based on their fragility.

The index can be used in conservation and watershed planning to assist in identifying soils and areas with greater vulnerability to degradation.



Fragile Soils	
Moderately Fragile	87%
Fragile	5%
Slightly Fragile	0%
Null or Not Rated	8%

MAP LEGEND

Area of Interest (AOI)	Not fragile
Area of Interest (AOI)	Not rated or not available
Soils	Water Features
Soil Map Unit Lines	Streams and Canals
Soil Rating Polygons	Transportation
Extremely fragile	Rails
Highly fragile	Interstate Highways
Fragile	US Routes
Moderately fragile	Major Roads
Slightly fragile	Local Roads
Not fragile	Background
Not rated or not available	Aerial Photography

Source: National Cooperative Soil Survey, USDA – NRCS
<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

Map 5. Manure and Food-Processing Waste - Local Finding 14

These ratings are based on the soil properties that affect absorption, plant growth, microbial activity, erodibility, the rate at which the waste is applied, and the method by which the waste is applied.

The properties that affect absorption include saturated hydraulic conductivity (Ksat), depth to a water table, ponding, the sodium adsorption ratio, depth to bedrock or a cemented pan, and available water capacity.

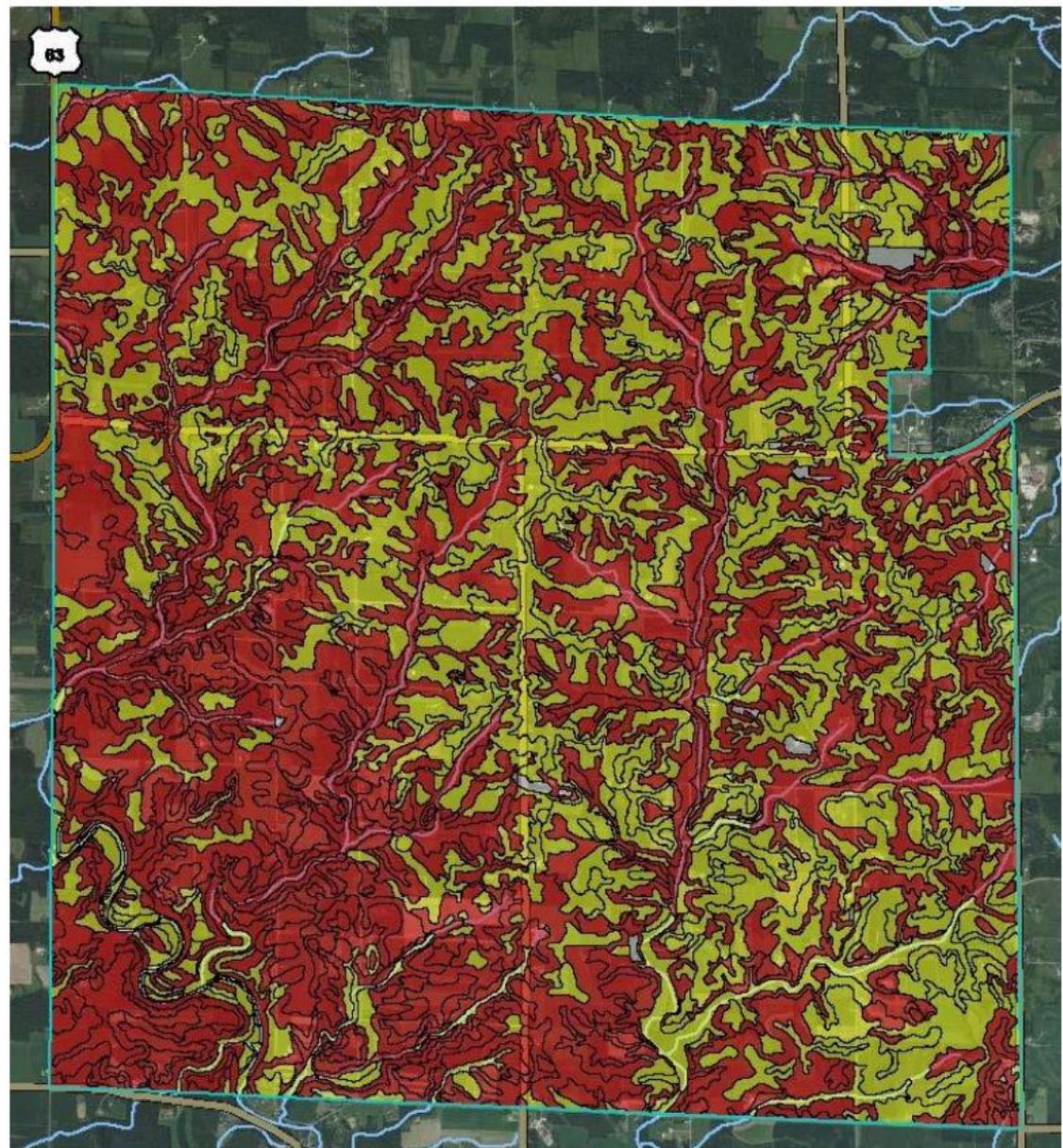
The properties that affect plant growth and microbial activity include reaction, the sodium adsorption ratio, salinity, and bulk density.

The wind erodibility group, soil erosion factor K, and slope are considered in estimating the likelihood that wind erosion or water erosion will transport the waste material from the application site. Stones, cobbles, a water table, ponding, and flooding can hinder the application of waste. Permanently frozen soils are unsuitable for waste treatment.

- **56% Very Limited** – indicates that soil has one or more features that are unfavorable for the specific use. Limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.
- **43% Somewhat Limited** – indicates that the soil has features that are moderately favorable for specified use. Limitations can be overcome or minimized by special planning, design, or installation.
- **1% Not Limited or Not Rated**

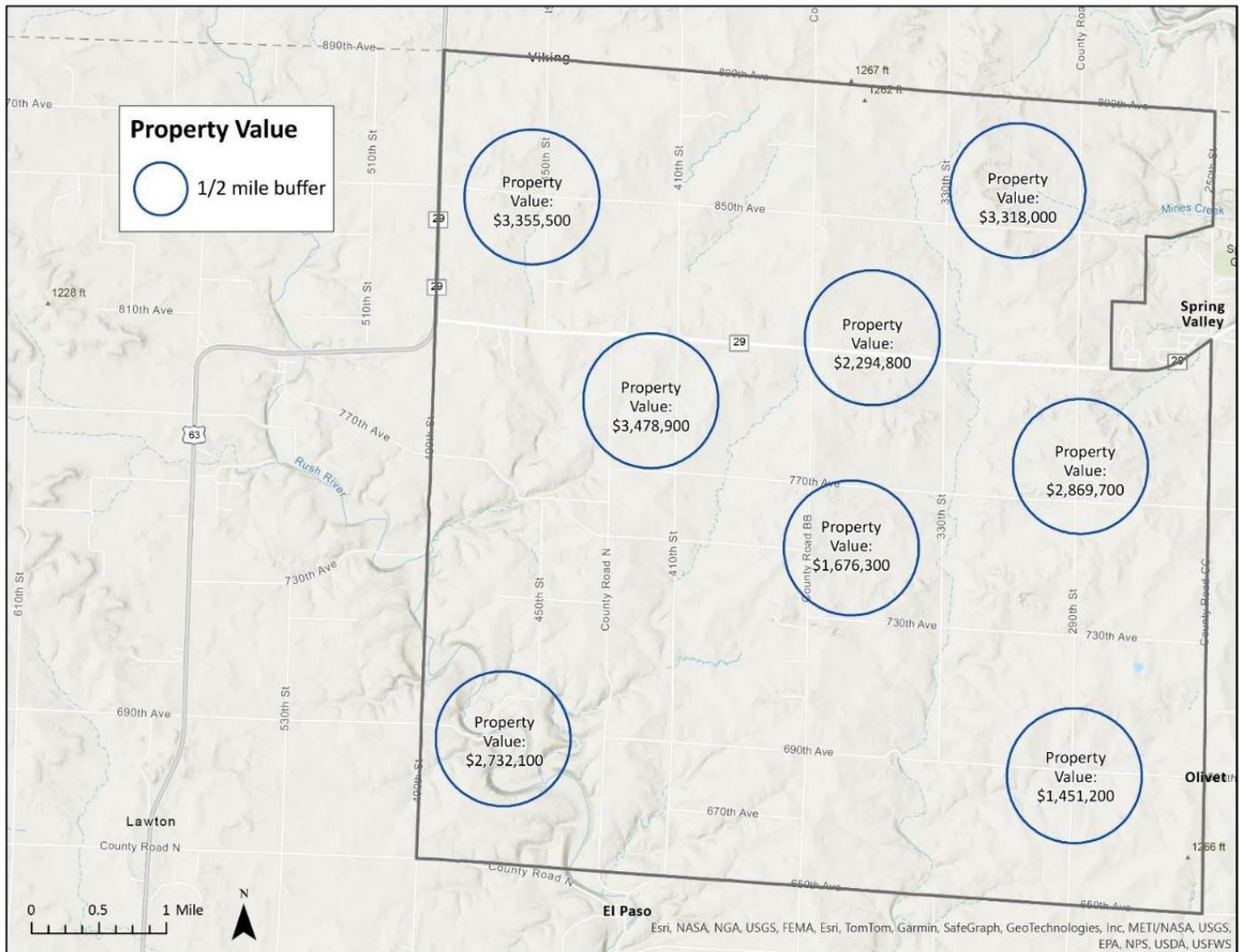
MAP LEGEND

Area of Interest (AOI)	 Area of Interest (AOI)	 Local Roads
Soils	 Soil Map Unit Lines	Background
Soil Rating Polygons	 Very limited	 Aerial Photography
	 Somewhat limited	
	 Not limited	
	 Not rated or not available	



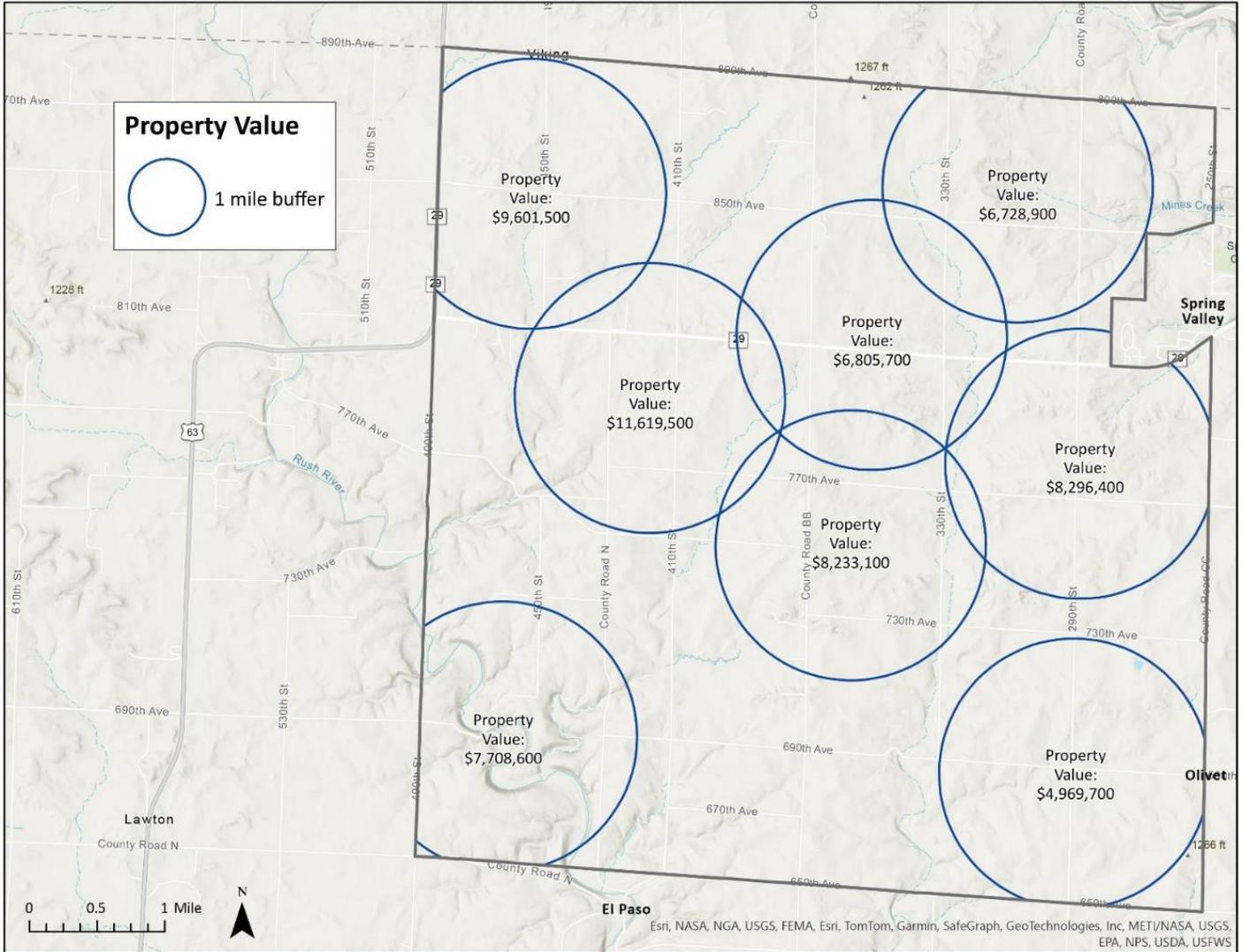
Map 6. Property Tax Values Within 0.5 mile radius of 8 Randomly Selected Potential CAFO Sites Local Finding 19

Property values within 1/2 mile of 8 randomly selected sites range in value from \$1.4 million to \$3.4 million.



Property Tax Values Property Tax Values Within 1 mile radius of 8 Randomly Selected Potential CAFO Sites

Property values within 1 mile of 8 randomly selected sites would range in value of \$4.9 million and \$11 million.



Source: 2023 Wisconsin County Parcel Data Pierce County, WI

<https://www.sco.wisc.edu/parcels/data-county/>