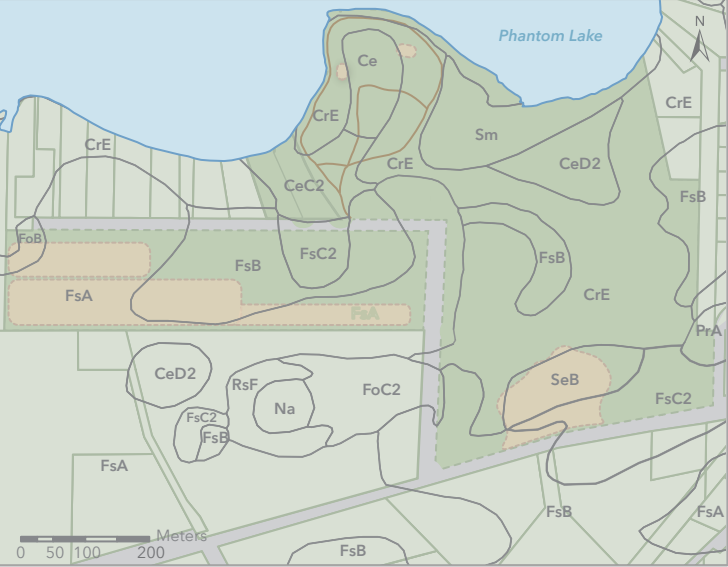


PHANTOM LAKE YMCA CAMP ENVIRONMENTAL EDUCATION AND CONSERVATION OPERATIONS
PLYC EECO 2018 PROPOSAL AND BACKGROUND

EECO PROJECT SITES



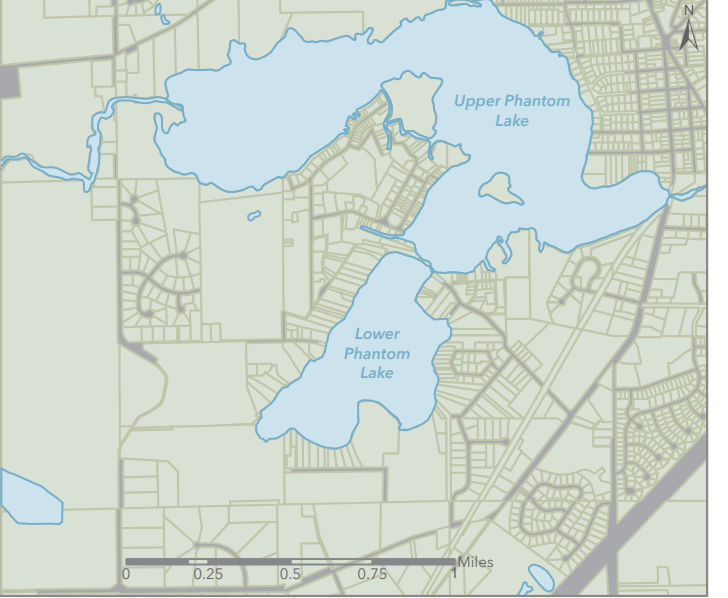
SOIL CLASSIFICATION AND QUALITY



LAND USE DESIGNATIONS



PHANTOM LAKE



SOIL CLASS KEY:*

Area annual averages: precipitation (31-38 in), air temperature (45-50°F), frost free period (124-194 days).

CrE: Casco-Rodman complex (loam to sandy loam texture) 20-30% slope, farmland class (not prime), excessively drained with low-medium runoff potential and no frequent flooding, Ksat (2.0-6.0 in/hr), available water storage (2.7 in), maximum CaCO₃ (25-45%), nonsaline to slightly saline.

FoB: Fox loam 2-6% slope, farmland class (prime), well drained with low runoff potential and no frequent flooding, Ksat (2-6 in/hr), available water storage (4 in), maximum CaCO₃ (25%), nonsaline to slightly saline, maximum Sodium Absorption Ratio (2.0).

FsA: Fox silt loam 0-2% slope, farmland class (prime), well drained with low runoff potential and no frequent flooding, Ksat (.57-2.0), available water storage (5.3 in), maximum CaCO₃ (45%), nonsaline to slightly saline.

FsB: Fox silt loam 2-6% slope, farmland class (prime), well drained with low runoff potential and no frequent flooding, Ksat (.57-2.0), available water storage (5.2 in), maximum CaCO₃ (45%), nonsaline to slightly saline.

FsC2: Fox silt loam 6-12% slope- eroded, farmland class (of statewide importance), well drained with no frequent flooding, Ksat (.57-2.0 in/hr), available water storage (5.2 in), maximum CaCO₃ (45%), nonsaline to slightly saline.

SeB: St. Charles silt loam 2-6% slope, gravelly substratum, farmland class (prime), well drained with low runoff potential and no frequent flooding, Ksat (.6-2.0), available water storage (11 in), maximum CaCO₃ (20%), nonsaline to slightly saline.

LAND USE CODE KEY:

111: Residential- single family farm or single familt nonfarm.

210: Commercial- retail sales and services, intensive.

418: Transportation- local and collector stret, public roadways not already included in the free way classification.

432: Transportation- off-street parking for commercial use.

437: Transportation- off-street parking for recreational use including parking at natural areas.

732: Outdoor recreation- privately-owned land related outdoor recreation area.

782: Outdoor recreation- privately-owned water related outdoor recreation area.

811: Agriculture- cultivated lands of areas for row crops, grain crops, vegetable crops, and hay.

815: Agriculture- pasture land and unused agricultural land which has not yet succeeded into a wetland or woodland plant community though are often adjacent to such areas.

910: Natural areas and other lands- wetland where the water table is at or near the land surface, characterized by hydric soil or other organic soils and by the growth of hydrophytes (sedges, cattails, tamarack).

940: Natural areas and other lands- woodlands characterized by upland areas with either 17 or more deciduous trees per acre, a coniferous tree plantation, or a reforestation project. All lowland wooded areas are classified as wetlands due to their high water tables.

*Only soil units in project areas are shown

Metadata
Cartographer: Delaney Gobster
Main, Soil, and Land Use Map
Scale: 1:5,000
Greater Phantom Map Scale:
1:35,000
Projection: GCS_WGS_1984
Geographic Data Source:
<http://geodata.wisc.edu/opengeo-portal/>
Soil Data Source: <https://websoil-survey.sc.egov.usda.gov/App/Web-SoilSurvey.aspx>
Land Use Data Source:
www.sewrpc.org/regionalandin-fo/metadata/sewrpc_2010_lu_classification.pdf
Symbol Source: <https://thenoun-project.com/>