

LTA: 222Kd08

NAME:
French Creek Moraines

ACRES:
83358.398

SQUARE MILES:
130.247

DESCRIPTION:

Landform pattern is rolling hummocky moraine iwth bedrock knolls and scattered swamps. Soils are predominantly well drained loam and sand over calcareous loamy sand and sandy loam till, sandy outwash, or sandstone. Common habitat types include ATiFrVb(

CLIMATE

CODE	PERCENT
88	17
90	2
91	81

GEOLOGY

BEDROCK TYPE DESCRIPTION
Sandstone

AVERAGE DEPTH TO BEDROCK
10000

BEDROCK DEPTH DESCRIPTION
Bedrock is between 100 feet and 50 feet of the land surface

GEOMORPHOLOGY

GEOMORPHOLOGY PROCESS
Till, Glacial Meltwater, and Hillslope Deposition

TOPOGRAPHY
Rolling

SURFACE
Bedrock Controlled Moraine

SOIL INFORMATION

SOIL ASSOCIATIONS

Lapeer-Wyocena-Okee-Plainfield-Oshtemo-Houghton, Metea-Mecan-Parde

SOIL DESCRIPTION

Willow River Loam soils with a sandy loam or loamy fine sand surface over calcareous sandy loam or loamy sand till or gravelly sand outwash, some areas over sandstone bedrock, along with very poorly drained nonacid organic soils and excessively drained

SURFACE TEXTURES
SL-LFS-S-MK

GENERAL TEXTURES
Loamy-Sandy-Mucky

FAMILY TEXTURES
COL-S-SP

DRAINAGE CLASSES
WD-ED-VPD

PARENT MATERIAL
Till-Outwash-Organic

KOTAR'S HABITAT

HABITAT 1	HABITAT 2	HABITAT 3	HABITAT 4	HABITAT 5	HABITAT 6
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*Listed in order of probability occurrence, with each having an occurrence of 10% or greater

WISCLAND LAND COVER

COVER TYPE CLASS	ACRES	PERCENT
Agricultural Land	28535	34
Bare Land	114	0
Forested Wetland	3234	4
Grassland	16822	20
High Intensity Urban Area	723	1
Low Intensity Urban Area	1118	1
Nonforested Wetland	7720	9
Open Water	791	1
Shrubland	118	0
Upland Broad-leaved Deciduous	19101	23
Upland Coniferous Forest	1557	2
Upland Mixed Deciduous/Conifer	3525	4

FINLEY'S PRESETTLEMENT VEGETATION INFORMATION

CODE	PERCENT	DEFINITION
Hydrographic	0	Water
ABW/P	0	Aspen, White Birch, Pine
OO	70	Oak - Black, White, and Burr Oak
OS	14	Oak Openings - Bur, White, Black Oak
SC	0	Swamp Conifers - White Cedar, Black Spruce, Tamarack, Hemlock
LH	0	Lowland Hardwoods - Willow, Soft Maple, Box Elder, Ash, Elm, Cotton Wood, River Birch
GLS	11	Marsh and Sedge Meadow, Wet Prairie, lowland shrubs

HYDROLOGY

PERENNIAL STREAMS	INTERMITTENT STREAMS	OPEN WATER	MARSH ACRES	DEPTH TO AQUIFER	SURFACE DRAINAGE
44 Miles	25 Miles	763 Acres	3164 Acres	20'-50'	rectangular