

**LTA: 212Xb08**

**NAME:**  
Rhineland Moraines

**ACRES:**  
12599.245

**SQUARE MILES:**  
19.686

**DESCRIPTION:**

The characteristic landform pattern is undulating moraine and outwash plain. Soils are predominantly moderately well drained loam over acid loamy sand till or outwash. Common habitat types include ATM, TMC, forested lowland, and AViO.

**CLIMATE**

CODE	PERCENT
24	11
33	89

**GEOLOGY**

**BEDROCK TYPE DESCRIPTION**  
Igneous, Metamorphic, and Volcanic Rock

**AVERAGE DEPTH TO BEDROCK**  
10000

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

**GEOMORPHOLOGY**

**GEOMORPHOLOGY PROCESS**  
Till and Glacial Meltwater Deposition

**TOPOGRAPHY**  
Undulating

**SURFACE**  
Hummocky Moraine

**SOIL INFORMATION**

**SOIL ASSOCIATIONS**

Padus-Goodwit-Tipler-Monico-Seelyeville-Greenwood

**SOIL DESCRIPTION**

Well drained, moderately well drained and somewhat poorly drained loamy soils with a loam or silt loam surface over non-calcareous gravelly sand outwash or loamy sand till, along with very poorly drained nonacid and acid organic soils.

**SURFACE TEXTURES**  
L-SIL-PT

**GENERAL TEXTURES**  
Loamy-Mucky

**FAMILY TEXTURES**  
COL-SP

**DRAINAGE CLASSES**  
WD-MWD-SPD-VPD

**PARENT MATERIAL**  
Outwash-Till-Organic

**KOTAR'S HABITAT**

HABITAT 1	HABITAT 2	HABITAT 3	HABITAT 4	HABITAT 5	HABITAT 6
ATM	TMC	Lowland	AViO		

\*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	25	0
Bare Land	619	5
Forested Wetland	468	4
Grassland	248	2
Nonforested Wetland	341	3
Open Water	523	5
Shrubland	252	2
Upland Broad-leaved Deciduous	8523	73
Upland Coniferous Forest	362	3
Upland Mixed Deciduous/Conifer	249	2

**FINLEY'S PRESETTLEMENT VEGETATION INFORMATION**

CODE	PERCENT	DEFINITION
Hydrographic	5	Water
HH/P	15	Hemlock, Sugar Maple, Yellow Birch, White Pine, Red Pine
PW/PR	53	White Pine, Red Pine
PJ/OX	27	Jack Pine, Scrub Oak and Barrens
SC	1	Swamp Conifers - White Cedar, Black Spruce, Tamarack, Hemlock

**HYDROLOGY**

PERENNIAL STREAMS	INTERMITTENT STREAMS	OPEN WATER	MARSH ACRES	DEPTH TO AQUIFER	SURFACE DRAINAGE
5 Miles	0 Miles	593 Acres	918 Acres	20'-50'	deranged