

**LTA: 212Tc21**NAME:  
Hayes MorainesACRES:  
38077.777SQUARE MILES:  
59.497**DESCRIPTION:**

The characteristic landform pattern is undulating moraine. Soils are predominantly well drained fine sandy loam and loamy sand over loam till. Common habitat types include forested lowland, PMV-Q, ATFD, AQVb-Ha, AQVb, and AFVb.

**CLIMATE**

CODE	PERCENT
71	16
74	84

**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 Deposition

**TOPOGRAPHY**  
 Undulating

**SURFACE**  
 Till Plain
**SOIL INFORMATION****SOIL ASSOCIATIONS**

Frechette-Rabe-Tilleda-Menominee, Seelyeville-Markey, Menahga-Rousseau-Wisconsin  
**SOIL DESCRIPTION**  
 Well drained loamy and sandy soils with a fine sandy loam or loamy sand surface over calcareous sandy loam till.

**SURFACE TEXTURES**  
 FSL-LS

**GENERAL TEXTURES**  
 Loamy-Sandy

**FAMILY TEXTURES**  
 COL-L

**DRAINAGE CLASSES**  
 WD

**PARENT MATERIAL**  
 Till
**KOTAR'S HABITAT**

HABITAT 1	HABITAT 2	HABITAT 3	HABITAT 4	HABITAT 5	HABITAT 6
Lowland	PMV-Q	ATFD	AQVb-Ha	AQVb	AFVb

\*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	16780	44
Bare Land	63	0
Forested Wetland	5170	14
Grassland	1247	3
Nonforested Wetland	1224	3
Open Water	111	0
Shrubland	18	0
Upland Broad-leaved Deciduous	9844	26
Upland Coniferous Forest	3591	9
Upland Mixed Deciduous/Conifer	27	0

**FINLEY'S PRESETTLEMENT VEGETATION INFORMATION**

CODE	PERCENT	DEFINITION
Hydrographic	0	Water
BHH/P	54	Beech, Hemlock, Sugar Maple, Yellow Birch, White Pine, Red Pine
HH/P	12	Hemlock, Sugar Maple, Yellow Birch, White Pine, Red Pine
PJ/OX	20	Jack Pine, Scrub Oak and Barrens
BE/O	0	Beech, Sugar Maple, Basswood, Red Oak, White Oak, Black Oak
SC	14	Swamp Conifers - White Cedar, Black Spruce, Tamarack, Hemlock

**HYDROLOGY**

PERENNIAL STREAMS	INTERMITTENT STREAMS	OPEN WATER	MARSH ACRES	DEPTH TO AQUIFER	SURFACE DRAINAGE
25 Miles	25 Miles	116 Acres	2484 Acres	20'-50'	dendritic