

Major Land Resource Area 139X

Lake Erie Glaciated Plateau

Accessed: 06/21/2026

Ecological site keys

MLRA 139

1a. Great Lakes shoreline. ... F139XY0010H – Coastal Dune Complex

1b. Inland or adjacent to rivers.

2a. Upland and not floodplain, watertable >25 cm (well drained to somewhat poorly drained).

3a. Carbonates within 200 cm, soils usually circumneutral (pH upper 50 cm ? 5.5).

4a. Moist, watertable 25-100 cm (moderately well drained to somewhat poorly drained). ... F139XY0020H – Moist Calcareous Drift Flats

4b. Dry, watertable ? 100 cm (well drained). ... F139XY0030H – Dry Calcareous Drift Plains

3b. No carbonates within 200 cm, soils usually acidic (pH upper 50 cm < 5.5).

5a. Deep soil, bedrock ? 150 cm, or water table < 100 cm.

6a. Warm, humid climate, warmest 6 months average ? 16°C (mean annual precipitation usually < 1100 mm).

7a. Moist, watertable 25-100 cm (moderately well drained to somewhat poorly drained), or slopes > 15% (usually lower slope positions). ... F139XY0040H – Moist Acidic Slopes

7b. Dry, watertable ? 100 cm (well drained), and slopes < 15%. ... F139XY0050H – Dry Acidic Drift Plains

6b. Cool, perhumid climate, warmest 6 months average < 16°C (mean annual precipitation often ? 1100 mm). ... F139XY0060H – Moist Drift Highlands

5b. Shallow soil, bedrock within 150 cm (usually upper slope positions), and no water table < 100 cm. ... F139XY0070H – Shallow Acidic Slopes

2b. Wetland or floodplain, watertable <25 cm (poorly to very poorly drained).

8a. Floodplains or River mouths.

9a. Floodplains.

10a. Poorly drained, seasonal flooding. ... F139XY0090H – Wet Floodplain

10b. Not poorly drained, temporary flooding. ... F139XY0080H – Moist Floodplain

9b. River mouths. ... F139XY0100H – Great Lakes Marsh

8b. Flats and Depressions.

12a. Mineral (if any peat or muck surface, it is < 20 cm thick).

13a. Minerotrophic, mean pH in upper 50 cm ? 5.5. ... F139XY0110H – Wet Calcareous Depression

- 13b. Ombrotrophic, mean pH in upper 50 cm < 5.5. ... F139XY0120H – Wet Acidic Depression**
- 12b. Organic (peat or muck surface ? 20 cm thick).**
- 14a. Minerotrophic (euic), mean pH in upper 50 cm ? 5.0. ... F139XY0130H – Mucky Depression**
- 14b. Ombrotrophic (dysic), mean pH in upper 50 cm < 5.0. ... F139XY0140H – Acidic Peaty Depression**