Major Land Resource Area 094C
Northern Michigan Limestone Lake Plains

Accessed: 04/25/2024

Ecological site keys

MLRA 94C

1a. Great Lakes Shoreline. ... R094CY001MI – Cobble Shore And Fen Complex

1b. Inland.

2a. Bedrock within 150 cm of surface and no water table. ... F094CY038MI – Shallow Limestone Drift

2b. Deep Soil or Water Table.

3a. Floodplain.

4a. Hydric Soil. ... F094CY037MI – Cool Wet Floodplain

4b. Non-Hydric Soil. ... F094CY036MI – Cool Floodplain

3b. Non-Floodplain.

5a. Mineral Soil with no histic epipedon.

6a. Sandy Site: ≥ 80% sand in the top 150 cm and ≥ 70% sand in the top 50 cm; or ≥ 80% sand in top 50 cm; or < 20% clay in top 150 cm, pH <6, and ultic subgroup.

7a. No water table (well drained or drier).

8a. Spodic subgroup or Spodosol, or pH ≥ 6 or Carbonates < 100 cm deep. ... F094CY031MI – Cool Rich Sandy Drift

8b. Not Spodic subgroup nor Spodosol, and pH < 6 and Carbonates ≥ 100 cm. --- F094AB019MI --- Dry Sandy Plains

7b. Seasonal water table present (moderately well Drained or wetter)

9a. Non-hydric Soil.

10a. pH ≥ 5.5 or Mollisol. ... F094CY034MI – Cool Sandy Depression

10b. pH < 5.5 or Spodosol or Ultic subgroup. ... F094CY032MI – Cool Acidic Sandy Depression

9b. Hydric Soil.

11a. pH ≥ 5.5 or Mollisol. ... F094CY035MI – Cool Wet Sandy Depression

11b. pH < 5.5 or Spodosol or Ultic subgroup. ... F094CY033MI – Cool Wet Acidic Sandy Depression

6b. Loamy Site: < 80% sand in the top 150 cm or < 70% sand in the top 50 cm; and not in ultic subgroup unless pH ≥6 or clay ≥20%.

12a. No water table. ... F094CY028MI – Cool Loamy Till

12b. Seasonal water table present (moderately well Drained or wetter).

13a. Non-hydric Soil. ... F094CY029MI – Cool Loamy Depression

13b. Hydric Soil. ... F094CY030MI – Cool Wet Loamy Depression

5b. Histosol or Histic Subgroup.

14a. pH of the top 50 cm ≥ 5.0 or euic if pH unknown. --- F094AB026MI --- Mucky Depression

14b. pH of the top 50 cm < 5.0 or dysic if pH unknown. --- F094AB027MI --- Acidic Peaty Depression