

Major Land Resource Area 144A

New England and Eastern New York Upland, Southern Part

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Ecological site keys

MLRA 144A

I. Soils permanently (>21hrs/day) submerged in water

A. Soils formed in freshwater

1. Soils formed in submerged organic deposits ... R144AY046RI – Subaqueous Freshwater Organic Deposits
2. Soils formed in submerged mineral deposits ... R144AY045RI – Subaqueous Freshwater Mineral Deposits

B. Soils formed in salt and/or brackish water

1. Soils formed in submerged glacial deposits ... R144AY047RI – Subaqueous Haline Glacial Deposits
2. Soils formed in marine or estuarine deposits
 - i. Soils formed in low energy environments (lagoon & bay bottoms, stream valleys, coves) ... R144AY048RI – Subaqueous Haline Low Energy Basins
 - ii. Soils formed in high energy environments
 - a. Landform a washover fan flat or flood tidal delta flat ... R144AY050RI – Subaqueous Haline Flats
 - b. Landform a washover fan slope ... R144AY049RI – Subaqueous Haline Slopes

II. Soils not permanently submerged in water

A. Soils with organic layer ("O" horizon) ≥ 16" in thickness

1. Soils formed in freshwater environments
 - i. Wetland mineralogy nutrient poor; Dysic soil reaction class ... F144AY043MA – Acidic Organic Wetlands
 - ii. Wetland mineralogy nutrient rich; Euic soil reaction class ... F144AY042NY – Semi-Rich Organic Wetlands
2. Soils formed in salt/brackish environments
 - i. Tidally flooded daily ... R144AY001CT – Tidal Salt Low Marsh mesic very frequently flooded
 - ii. Tidally flooded twice a month ... R144AY002CT – Tidal Salt High Marsh mesic very frequently flooded

B. Soils without organic layer ("O" horizon) or organic layer < 16" in thickness

1. Parent material alluvium; landform a floodplain
 - i. Soils excessively drained ... F144AY006CT – High Floodplain Levee
 - ii. Soils well, moderately well, somewhat poorly, poorly or very poorly drained
 - a. Soils hydric; drainage class somewhat poorly, poorly or very poorly drained
 - 1) Soils very poorly drained ... F144AY016MA – Very Wet Low Floodplain
 - 2) Soils somewhat poorly or poorly drained
 - b. Soils not hydric; drainage class well, moderately well
 - 1) Soils well drained
 - a) Soil texture coarse-silty
 - b) Soil texture coarse-loamy ... F144AY010NH – Sandy High Floodplain
 - 2) Soils moderately well drained

- a) Soil texture coarse-silty
 - b) Soil texture coarse-loamy ... F144AY012CT – Sandy Low Floodplain
- 2. Parent material glacial till, glaciofluvial, or glaciolacustrine; landform not a floodplain
 - i. Parent material glaciolacustrine
 - a. Soils well drained ... F144AY017NH – Well Drained Lake Plain
 - b. Soils moderately well, somewhat poorly, poorly or very poorly drained.
 - 1) Soils moderately well and somewhat poorly drained ... F144AY018NY – Moist Lake Plain
 - 2) Soils poorly or very poorly drained
 - a) Soils poorly drained ... F144AY019NH – Wet Lake Plain
 - b) Soils very poorly drained ... F144AY020MA – Very Wet Coastal Lake Plain
 - ii. Parent material glacial till or glaciofluvial
 - a. Soils extremely to moderately acid ... F144AY022MA – Dry Outwash
 - b. Soils moderately acid to moderately alkaline ... F144AY021MA – Semi-Rich Dry Outwash
- 3. Soil depth < 20" to Bedrock
 - i. Bedrock lithology limestone
 - ii. Bedrock lithology granite, gneiss, or schist