

Major Land Resource Area 140X

Glaciated Allegheny Plateau and Catskill Mountains

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Ecological site keys

MLRA 140 PES Key (Nested)

1a. Frigid soils temperature class

2a. Soils poorly to very poorly drained [Torull, Norchip, Suny] ... F140XY001NY – Frigid Till Depressions

2b. Soils somewhat excessively to somewhat poorly drained

3a. Soils shallow to bedrock or shallow to moderately deep to a fragipan horizon

4a. Soils shallow to bedrock

5a. Soils somewhat excessively drained

6a. Slopes > 15% [Halcott, Hawksnest, Wasnot]

6b. Slopes < 15% [Halcott, Hawksnest, Wasnot] ... F140XY003NY – Cold Shallow Till Uplands

5b. Soils somewhat poorly to poorly drained [Tor] ... F140XY004NY – Frigid Shallow Moist Till

4b. Soils shallow to moderately deep to a fragipan horizon

7a. Soils well drained

8a. Slopes > 15% [Lewbath, Lewbeach] ... F140XY005NY – Frigid Steep Well Drained Dense Till

8b. Slopes < 15% [Lewbath, Lewbeach] ... F140XY006NY – Frigid Well Drained Dense Till

7b. Soils moderately well to somewhat poorly drained [Onteora, Ontusia, Wildin, Willowemoc, Napoli, Yorkshire] ... F140XY007NY – Frigid Moist Dense Till

3b. Soils moderately deep to very deep to bedrock

9a. Soils somewhat excessively to well drained

10a. Slopes > 15% [Skytop, Rockrift, Mongaup, Franklinville, Ceres, Vly, Elka] ... F140XY008NY – Frigid Steep Till Uplands

10b. Slopes < 15% [Skytop, Rockrift, Mongaup, Franklinville, Ceres, Vly, Elka] ... F140XY009NY – Frigid Till Uplands

9b. Soils moderately well to somewhat poorly drained [Almond, Salamanca, Middlebrook, Gretor, Hornellsville, Ischua] ... F140XY010NY – Frigid Moist Till Uplands

1b. Mesic soil temperature class

11a. Soils with organic layer ("O" horizon) ? 16" in thickness

12a. Soil reaction class Euic; nutrient rich environment [Catden, Natchaug]

12b. Soil reaction class Dysic; nutrient poor environment [Paupack] ... F140XY012PA – Organic Wetlands

11b. Soils without organic layer ("O" horizon) or organic layer < 16" in thickness

13a. Parent material alluvium; landform a floodplain

14a. Soils well drained [Barbour, Deleware, Hamplain, Tioga, Trestle, Wenonah] ... F140XY013PA – High Floodplain

14b. Soils moderately well to poorly drained

15a. Soils moderately well drained and somewhat poorly drained [Bash, Basher, Deposit, Holderton, Middlebury, Otega, Udifluents] ... F140XY014NY – Low Floodplain

15b. Soils poorly drained and very poorly drained [Wyalusing, Wayland, Fluvaquents] ... F140XY015NY – Wet Low Floodplain

13b. Parent material lacustrine, outwash, or till

16a. Soils poorly or very poorly drained [Gleneyre, Atherton, Alden, Allis, Neversink, Norwich, Ashville, Chippewa, Edgemere, Tuller, Rexford poorly-drained] ... F140XY016NY – Mineral Wetlands

16b. Soils excessively to somewhat poorly drained

17a. Parent material lacustrine

18a. Soils well drained [Unadilla] ... F140XY017NY – Well Drained Lake Plain

18b. Soils moderately to somewhat poorly drained [Scio, Tonawanda, Rhinebeck] ... F140XY018NY – Moist Lake Plain

17b. Parent material outwash or till

19a. Parent material outwash

20a. Soils shallow to moderately deep to a fragipan horizon [Braceville, Rexford] ... F140XY020NY – Dense Outwash

20b. Soils moderately deep to very deep to bedrock; no fragipan horizon

21a. Soils somewhat excessively to well drained [Allard, Chenango, Tunkhannock, Wyoming] ... F140XY021NY – Dry Outwash

21b. Soils moderately to somewhat poorly drained [Castile, Olean, Red Hook, Oramel] ... F140XY022NY – Moist Outwash

19b. Parent material till

22a. Soils shallow to bedrock or shallow to moderately deep to a fragipan horizon

23a. Soils shallow (<20 inches) to bedrock

24a. Soils nutrient rich; higher base saturation [Farmington] ... F140XY029NY – Rich Shallow Till Upland

24b. Soils nutrient poor; lower base saturation [Arnot] ... F140XY023NY – Shallow Till Uplands

23b. Soils shallow to moderately deep to a fragipan horizon

25a. Soils moderately to somewhat poorly drained [Swartswood, Rushford, Langford, Mardin, Erie, Scriba, Shohola, Wiscoy, Marilla, Canaseraga, Dalton, Wellsboro, Wurtsboro, Morris] ... F140XY024NY – Moist Dense Till

25b. Soils well-drained [Lackawanna, Wallpack, Bath, Venango, Wooster, Swartswood well drained, and Mardin well drained] ... F140XY030NY – Well Drained Dense Till

22b. Soils moderately deep to very deep to bedrock

26a. Soils nutrient rich; higher base saturation [Nunda, Burdett] ... F140XY025NY – Rich Till Uplands

26b. Soils nutrient poor; lower base saturation

27a. Soils somewhat excessively drained [Oquaga] ... F140XY026PA – Dry Till Uplands

27b. Soils well drained to somewhat poorly drained

28a. Soils well drained [Lordstown, Maplecrest, Cadosia, Chadokoin, Valois, Oquaga, Manilus] ... F140XY027NY – Well Drained Till Uplands

28b. Soils moderately to somewhat poorly drained [Schuyler, Towerville, Orpark, Fremont, Greene, Hornell, Kanona, Derb, Volusia, Angola, Busti, Conesus] ... F140XY028NY – Moist Till Upland