

# Major Land Resource Area 140X

## Glaciated Allegheny Plateau and Catskill Mountains

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### Ecological site keys

#### MLRA 140 PES Key (Nested)

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##### 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 [Ontoora, 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**