

Major Land Resource Area 147X

Northern Appalachian Ridges and Valleys

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Ecological site keys

147PES KEY dichotomous

- 1a. Non [not] Human Transported Materials or Mine Spoil
 - 2a. Mesic Soil Temperature Regime
 - 3a. Not floodwater (Alluvium) or wind-deposited (Eolian) materials, materials otherwise (Residuum, Colluvium)
 - 4a. Upland summits, shoulders, backslopes -- Residuum
 - 5a. Acid shales, sandstones, and siltstones (mixed sedimentary) and sandstone dominated
 - 6a. Acid shales, sandstones, and siltstones (mixed sedimentary)
 - 7a. Bedrock <40" (100cm) -- Shallow to MD Acid Mixed Sedimentary Upland... F147XY008PA
 - 7b. Bedrock >40" (100 cm) - Deep Acid Mixed Sedimentary Upland... F147XY002PA
 - 6b. Sandstone dominated
 - 8A. Bedrock <40" (100cm) - (combined with below)
 - 8B. Bedrock >40" (100 cm) -- Sandstone Upland... F147XY004PA
 - 5b. Limestone and calcareous SS and shales (mixed limestone)
 - 9a. Bedrock <40" (100cm) -- (combined with 10b - below)... F147XY003PA
 - 9b. Bedrock >40" (100cm) -- Mixed Limestone Upland... F147XY003PA
 - 4b. Foothills, benches, or toeslopes -- colluvium
 - 10a. Acidic Shales, SS, and Siltstone (Mixed Sedimentary and Sandstone)
 - 11a. Well Drained and MWD --combined with Deep Acid Mixed Sedimentary Upland (above)... F147XY002PA
 - 11b. Poorly Drained and SPD -- PD Acidic Mixed Sedimentary Toeslopes... F147XY005PA
 - 10b. Limestone and Calcareous SS and Shales (Mixed Limestone)
 - 12a. Well Drained and MWD -- Mixed Limestone Lower slope... F147XY006PA
 - 12b. Poorly Drained and SPD -- combined with PD floodplains below)... F147XY011PA
 - 3b. Water deposited (Alluvium) or wind-deposited (Eolian) materials
 - 13a. Water deposited -- Alluvium
 - 14a. Not-actively flooded to rarely-flooded deposits -Terraces
 - 15a. Well Drained and MWD -- Loamy to Coarse Terrace... F147XY007PA
 - 15b. Poorly Drained and SPD -- Fine Poorly Drained Alluvial Terrace... F147XY001PA
 - 14b. Floodplains and Drainageways
 - 16a. Shales, Sandstone, Limestones, and Siltstone
 - 17a. Moderately Well Drained to EWD
 - 18a. Loamy -- Loamy Mixed Floodplain... F147XY009PA
 - 18b. Coarse textured -- Coarse Mixed Floodplain... F147XY010PA
 - 17b. Poorly Drained to VPD -- Poorly Drained Fine Mixed Floodplain... F147XY011PA

- 16b. Marl, pure limestone, strongly carbonaceous
 - 19a. Well Drained to MWD -- Calcareous Loamy Bottomland... F147XY012PA
 - 19b. Poorly Drained and SPD - Poorly Drained Calcareous Bottomland... F147XY013PA
- 13b. Wind deposited - Eolian Deposits -- Combined with Loamy to Coarse Terrace (above)... F147XY007PA
- 2b. Frigid uplands -- Frigid Mixed Sedimentary Uplands...F147XY015PA
- 1b. Human Transported Materials or Mine Spoil
 - 20a. Mine Spoil (Reserved)
 - 20b. Urban lands (Reserved)

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- I. Uplands – summits, shoulders, or backslopes - residuum
 - A. Acidic Shales, SS, and Siltstone (Mixed Sedimentary)
 - 1 Bedrock <40" (100cm) ... F147XY008PA – Shallow Mixed Sedimentary Upland
 - 2 Bedrock >40" (100 cm) ... F147XY002PA – Mixed Sedimentary Upland
 - B. Limestone and Calcareous SS and Shales (Mixed Limestone) –includes Pre-Wisconsinan tills ... F147XY003PA – Mixed Limestone Upland
 - C. Sandstone dominated ... F147XY004PA – Sandstone Upland
- II. Foothills, benches, or Toeslopes - colluvium
 - A. Acidic Shales, SS, and Siltstone (Mixed Sedimentary and Sandstone)
 - 1 Well Drained and MWD - combined with Deep Acid Mixed Sedimentary Upland
 - 2 Poorly Drained and SPD ... F147XY005PA – Poorly Drained Mixed Sedimentary Toeslope
 - B. Limestone and Calcareous SS and Shales (Mixed Limestone)
 - 1 Well Drained and MWD ... F147XY006PA – Mixed Limestone Lower Slope
 - 2 Poorly Drained and SPD - combined with PD floodplains
- III. Terraces – rarely flooded or not flooded
 - A. Well Drained and MWD ... F147XY007PA – Loamy To Coarse Terrace
 - B. Poorly Drained and SPD ... F147XY001PA – Poorly Drained Fine Alluvial Terrace
- IV. Eolian Deposits - Combined with Loamy to Coarse Terrace
- V. Floodplains and Drainageways
 - A. Shales, Sandstone, Limestones, and Siltstone Uplands
 - 1 Well Drained to MWD ... F147XY009PA – Loamy Mixed Floodplain
 - 2 Well Drained to EWD ... F147XY010PA – Coarse Mixed Floodplain
 - 3 Poorly Drained to VPD ... F147XY011PA – Poorly Drained Fine Mixed Floodplain
 - B. Marl, pure limestone, strongly carbonaceous
 - 1 Well Drained to MWD ... F147XY012PA – Calcareous Loamy Bottomland
 - 2 Poorly Drained and SPD ... F147XY013PA – Poorly Drained Calcareous Bottomland
- VI. Mine Spoil ... F147XY014PA – Mine Spoil Land
- VII. Frigid uplands ... F147XY015PA – Frigid Mixed Sedimentary Upland
- VIII. Urban uplands ... F147XY016PA – Urban Uplands