Major Land Resource Area 007X Columbia Basin

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Ecological site keys

MLRA 7

- I. Site resides in south of the Columbia River.
 - A. Soil is less than 20 inches to bedrock. R007XY015OR SHALLOW LOAM 8-10 PZ ... R007XY015OR Shallow Loam 8-10 PZ
 - B. Soil is greater than 20 inches to bedrock.
 - 1 Soil on landscape of floodplains, terraces or alluvial fans.
 - i. Soil on floodplain; site is R007XY010OR SANDY BOTTOM 8-10 PZ ... R007XY010OR Sandy Bottom 8-10 PZ
 - ii. Not as above.
 - a. Family particle size sandy.
 - 1) Soil surface texture of sand, low dunes or hummocky topography; site is 007XY011OR SANDS 8-10 PZ ... R007XY011OR Sands 8-10 PZ
 - 2) Soil surface texture of loamy sand, gently rolling topography; site is R007XY012OR SANDY 8-10 PZ ... R007XY012OR Sandy 8-10 PZ
 - b. Family particle size loamy.
 - 1) Soil surface texture of fine sandy loam; site is R007XY013OR SANDY LOAM 8-10 PZ $\,$... R007XY013OR Sandy Loam 8-10 PZ
 - 2) Soil surface texture of silt loam; site is R007XY014OR LOAMY 8-10 PZ
 - 2 Soil on landscape of uplands.
 - i. Aspect is south facing; site is R007XY020OR SOUTH 8-10 PZ ... R007XY020OR South 8-10 PZ
 - ii. Aspect is north facing; site is R007XY025OR SANDY NORTH 8-10 PZ ... R007XY025OR Sandy North 8-10 PZ
 - iii. Not as above; site is R007XY014OR LOAMY 8-10 PZ ... R007XY014OR Loamy 8-10 PZ
- II. Site resides in north of the Columbia River.
 - A. Soil less than 20 inches deep to restrictive horizon.
 - 1 Soil less than 10 inches deep to restrictive horizon. ESG R007XY001WA Very Shallow ... R007XY001WA Very Shallow
 - 2 Soil greater than 10 inches deep to restrictive horizon. ESG R007XY114WA Shallow Stony Sand ... R007XY114WA Shallow Stony Sand
 - B. Soil greater than 20 inches deep to restrictive horizon.
 - 1 Soil in a bottomland landscape position.
 - i. Soil pH is alkaline or greater.
 - a. Soil that is very strongly saline-sodic (SAR value is greater than 13). ESG R007XY978WA Sodic Flat ... R007XY978WA Sodic Flat
 - b. Soil that has SAR values less than 13. ESG R007XY970WA Alkali Terrace ... R007XY970WA Alkali Terrace
 - ii. Soil pH is less then alkaline.

- a. Soil is wet to the surface and displays hydrophytic vegetation. ESG R007XY988WA Wetland Complex ... R007XY988WA Wetland Complex
- b. Soil isn't wet to the surface.
 - 1) Site is next to streams and bodies of water with tree vegetation. ESG R007XY720WA Riparian Complex ... R007XY720WA Riparian Complex
 - 2) Site isn't next to streams and bodies of water.
 - a) Soils with great than 35% rock fragments in particle-size control section. R007XY930WA Loamy Bottom ... R007XY930WA Loamy Bottom
 - b) Soils with less than 35% rock fragments. Sites include: ESG R007XY930WA Loamy Bottom, R007XY402WA LOAMY BOTTOM 6-10 PZ. ... R007XY930WA Loamy Bottom
- 2 Soils in an upland position.
 - i. Soil with sands, loamy sand or sandy loam surface textures.
 - a. Soils with a coarse sand, sand, fine sand or very fine sand surface texture. ESG R007XY140WA Sands ... R007XY140WA Sands
 - b. Soil texture isn't coarse sand, sand, find sand or very find sand for the surface horizon.
 - 1) Soil with loamy coarse sand, loamy sand, loamy fine sand and loamy very fine sand with carbonates within rooting depth. ESG R007XY449WA Sandy ... R007XY449WA Sandy
 - 2) Soils with sandy loam variations of texture in the surface horizon and without carbonates within rooting depth. ESG R007XY143WA Sandy Loam ... R007XY143WA Sandy Loam
 - ii. Soil with texture fine than sandy loam.
 - a. Site with north aspect and higher elevations.
 - 1) Soil with greater than 35 percent rock fragments in particle-size control section. ESG R007XY153WA Cool Loamy ... R007XY153WA Cool Loamy
 - 2) Soil with less than 35 percent rock fragments. ESG R007XY153WA Cool Loamy ... R007XY153WA Cool Loamy
 - b. Sites at lowest elevations in driest and hottest portions of MLRA with south aspect.
 - 1) Soil with greater than 35 percent rock fragments in particle-size control section. ESG R007XY120WA Stony ... R007XY120WA Stony
 - 2) Soil with less than 35 percent rock fragments. ESG R007XY163WA Dry Loamy ... R007XY163WA Dry Loamy
 - c. Site not as above.
 - 1) Soil with rock fragment content greater than 35%. ESG R007XY120WA Stony \dots R007XY120WA Stony
 - 2) Soil with rock fragment content less than 35%.
 - a) Soil with carbonates within rooting depth. ESG R007XY193WA ... R007XY193WA Calcareous Loam
 - b) Soil without carbonates within rooting depth. ESG R007XY130WA Loamy ... R007XY130WA Loamy