

Major Land Resource Area 010X

Central Rocky and Blue Mountain Foothills

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Ecological site keys

John Day Mountain Foothills LRU

- I. Soil has an abrupt textural change within 10 inches of the surface (well-developed claypan)
 - A. Sites occurring on north aspect slopes ... R010XB081OR – JD Claypan North 12-16 PZ
 - B. Sites occurring on south aspect slopes ... R010XB096OR – JD Claypan South 12-16 PZ
 - C. Sites that are not influenced by aspect
 - 1 Soil moisture regime is aridic ... R010XB029OR – JD Claypan 9-12 PZ
 - 2 Soil moisture regime is xeric
 - i. The surface soil is often three to six inches thick over a non-fractured substratum. In the reference state, little sagebrush is the dominant shrub with very low cover of antelope bitterbrush and yellow rabbitbrush ... R010XB080OR – JD Claypan 12-16 PZ
 - ii. The surface soil is often five to ten inches thick over a fractured substratum. In the reference state, antelope bitterbrush is dominant with little sagebrush being subdominant ... R010XB082OR – JD Shrubby Claypan 12-16 PZ
- II. Not as above
 - A. Soils are very shallow over highly fractured bedrock, interspersed with areas of rock outcrop ... R010XC059OR – SR Mahogany Rockland 12+ PZ
 - B. Not as above
 - 1 Soils are very shallow over lithic bedrock
 - i. Sites occur below 4000 feet elevation. Surface fragment cover is typically around 60 percent and extremely gravelly subsoil ... R010XB032OR – JD Very Shallow 12-16 PZ
 - ii. Sites occur above 4000 feet elevation. Surface fragment cover is typically less than 30 percent ... R010XC039OR – SR Very Shallow 12-16 PZ
 - 2 Not as above
 - i. Soils are very shallow over sediments ... R010XY015OR – Buckwheat Scabland 9-12 PZ
 - ii. Not as above
 - a. Sites occurring on north aspect slopes
 - 1) Soils are shallow ... R010XC075OR – SR Mountain Shallow North 12-16 PZ
 - 2) Soils are moderately deep to deep
 - i) Surface soils have an ashy influence with textures being ashy loam to ashy loamy sand ... R010XB085OR – JD Mountain North 12-16 PZ
 - ii) Soil surface not ash influenced
 - a) Surface soils are often a shaly loam with very shaly loam to gravelly clay loam subsoils ... R010XB071OR – JD Shrubby Mountain North 12-16 PZ
 - b) Surface soil textures are silt loam to clay loam and subsoils are clay loams ... R010XC066OR – SR Mountain North 12-16 PZ
 - b. Not as above
 - 1) Sites occurring on south aspect slopes

- i) Soils are shallow ... R010XC054OR – SR Mountain Shallow South 12-16 PZ
 - ii) Soils are moderately deep to deep ... R010XC047OR – SR Mountain South 12-16 PZ
- 2) Not as above or sites that are not influenced by aspect
- i) Soils are shallow
 - a) Soils are clayey. Surface textures are stony silt loams with clay loams and clays in subsoils ... R010XC037OR – SR Mountain Shallow 12-16 PZ
 - b) Surfaces are very gravelly to very stony and may be ashy. Soils are loamy formed predominately from tuffaceous materials ... R010XB086OR – JD Shrubby Mountain Shallow 12-16 PZ
 - ii) Soils are moderately deep to deep
 - a) Family particle size class is clayey
 - (1) Surface texture is a silt loam to silty clay loam ... R010XC032OR – SR Mountain 12-16 PZ
 - (2) Surface texture is gravelly loam to very stony loam ... R010XB028OR – JD Shrubby Mountain 12-16 PZ
 - b) Family particle size class is loamy
 - (1) Soils are moderately deep over fragmented tuffaceous bedrock. In the reference condition, curl-leaf mountain mahogany is the dominant shrub ... R010XC082OR – SR Dry Pine 14-16 PZ
 - (2) Soils are moderately deep over bedrock. In the reference state, mountain big sagebrush is the dominant shrub and western juniper may be present in low amounts ... R010XC080OR – SR Mahogany Mountain Loam 14-18 PZ