

Major Land Resource Area 010X

Central Rocky and Blue Mountain Foothills

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Ecological site keys

Snake River Mountain Foothills LRU

- I. Soil has an abrupt textural change within 10 inches of the surface (well-developed claypan) ... R010XB029OR – JD Claypan 9-12 PZ
- II. Not as above
 - A. Soil is very shallow to moderately deep over highly fractured bedrock with surface soils of cobbly to stony loams. Areas interspersed with rock outcrops.
 - 1 Sites occurring on moderate to very steep slopes of 12 to 60 percent on canyon walls and mountain side slopes. Western juniper is often the dominant tree species. ... R010XC059OR – SR Mahogany Rockland 12+ PZ
 - 2 Sites occurring on nearly level to moderately steep slopes of 2 to 20 percent on tablelands and mountain plateaus. Ponderosa pine is often the dominant tree species. ... R010XC080OR – SR Mahogany Mountain Loam 14-18 PZ
 - B. Not as above
 - 1 Soil is very shallow over lithic bedrock
 - i. Precipitation range is 12 to 16 inches
 - a. Soil temperature regime is mesic to frigid near mesic, precipitation range is 12 to 16 inches ... R010XC041OR – SR Very Shallow Rockland 12-16 PZ
 - b. Soil temperature regime is frigid to mesic near frigid.
 - 1 Underlying bedrock is highly fractured ... R010XC039OR – SR Very Shallow 12-16 PZ
 - 2 Not as above ... R010XC042OR – SR Juniper Tableland 12-16 PZ
 - ii. Soil temperature regime is frigid, precipitation range is 16 to 20 inches ... R010XC040OR – SR Very Shallow 16-20 PZ
 - 2 Not as above
 - i. Sites occurring on north aspect slopes. Sites have a frigid soil temperature regime and a xeric soil moisture regime.
 - a. Precipitation range is 12 to 16 inches
 - 1 Soil is shallow ... R010XC075OR – SR Mountain Shallow North 12-16 PZ
 - 2 Soil is moderately deep to deep ... R010XC066OR – SR Mountain North 12-16 PZ
 - b. Precipitation amount is greater than 16 inches
 - 1 Site occurs above 5000 feet
 - i) Surface soil is a silt loam over a silt loam to stony clay loam subsoil. Often occurs above 6000 feet elevation. Sites associated with higher annual production and trees such as western juniper and ponderosa pine ... R010XC069OR – SR Mountain North 16-20 PZ
 - ii) Surface layer a loam to very gravelly loam over a very gravelly loam to gravelly sandy loam subsoil. Often occurring from 5000 to 6000 feet in elevation and not normally associated with tree species ... R010XC053OR – SR High Mountain Loam 18+ PZ
 - 2 Site occurs below 5000 feet ... R010XC067OR – SR Shrubby Mountain North 16-20 PZ
 - ii. Not as above

a. Sites occurring on south aspect slopes

1 Soil temperature regime is mesic and soil moisture regime is aridic ... R010XC044OR – SR South Schist 9-12 PZ

2 Soil moisture regime is xeric.

i) Soil temperature regime is transitional between mesic and frigid.

a) Soils are shallow to moderately deep ... R010XC055OR – SR Mountain Shallow South 16-20 PZ

b) Soils are moderately deep to deep

1) Precipitation range is 12 to 16 inches ... R010XC047OR – SR Mountain South 12-16 PZ

2) Precipitation range is 16 to 20 inches ... R010XC049OR – SR Shrubby Mountain South 16-20 PZ

ii) Soil temperature regime is frigid.

a) Site predominantly occurs on south exposures of canyon walls and the backslopes of tablelands and mountain plateaus ... R010XC051OR – SR High Mountain South 16-20 PZ

b) Site occurs on tops and shoulders of ridges as well as north-facing mountain back slopes. Slopes may be up to 60 percent but more often range from 2 to 35 percent ... R010XC053OR – SR High Mountain Loam 18+ PZ

b. Not as above

1 Soil temperature regime is mesic and soil moisture regime is aridic ... R010XC030OR – SR Cool 9-12 PZ

2 Soil moisture regime is xeric

i) Soil temperature regime is transitional between mesic and frigid.

a) Precipitation range is 12 to 16 inches

1) Sites occur below 4000 feet ... R010XC033OR – SR Cool 12-16 PZ

2) Sites occur above 4000 feet

(i) Surface texture is a silt or clay loam with very low, if any, surface fragment cover ... R010XC028OR – SR Shrubby Cool 12-16 PZ

(ii) Surface texture is a very cobbly, very stony, or gravelly loam with approximately 10 to 20 percent surface gravel cover and 4 to 27 percent surface cobble cover ... R010XB028OR – JD Shrubby Mountain 12-16 PZ

b) Precipitation range is 16 to 20 inches ... R010XC034OR – SR Shrubby Mountain Loam 16-20 PZ

ii) Soil temperature regime is frigid

a) Precipitation range is 12 to 16 inches

1) Soils are shallow ... R010XC037OR – SR Mountain Shallow 12-16 PZ

2) Soils are moderately deep to deep ... R010XC032OR – SR Mountain 12-16 PZ

b) Precipitation range is greater than 16 inches

1) Site typically occurs between 4000 and 5700 feet on tablelands and mountain plateaus ... R010XC082OR – SR Dry Pine 14-16 PZ

2) Site typically occurs between 6000 and 7500 feet on mountain ridges and plateaus ... R010XC070OR – SR Mountain 16-20 PZ