

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