

Major Land Resource Area 010X

Central Rocky and Blue Mountain Foothills

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Ecological site keys

Snake River Warm Plains LRU

I. Soils are very shallow over highly fractured bedrock. Ecosite identified but not developed

II. Not as above

A. Soils are very shallow over lithic bedrock ... R010XC038OR – SR Very Shallow 9-12 PZ

B. Not as above

1 Soils are very shallow over paralithic contact ... R010XC057OR – SR Shallow Escarpment 9-12 PZ

2 Not as above

i. Sites occurring on north aspect slopes

a. Soil temperature regime is mesic. Soil moisture regime is aridic

1) Elevation typically between 3200 and 4500 feet with less than 100 frost free days. Soil temperature regime is mesic to near frigid ... R010XC065OR – SR Cool North 9-12 PZ

2) Not as above

i) Site predominately found on mid elevation terraces on droughty sites. Soil clay content between 18 and 35 percent ... R010XC063OR – SR Droughty North 9-12 PZ

ii) Soil clay content above 35 percent ... R010XC064OR – SR North 9-12 PZ

b. Soil temperature regime is transitional between cool mesic to frigid. Soil moisture regime is xeric ... R010XC068OR – SR Cool Mountain North 12-16 PZ

ii. Not as above

a. Sites occurring on south aspect slopes, soil temperature regime is mesic and soil moisture regime is aridic

1) Soils range from shallow to deep, occur on unstable landscape positions and have little structural development ... R010XC056OR – SR Terrace Escarpment 9-12 PZ

2) Soils are shallow

i) Soils are a stony loam to gravelly clay loam about six inches thick ... R010XC050OR – SR Shallow South 9-12 PZ

ii) Soils are generally shallow with areas of rock outcrop. The surface layer is a channery loam about three inches thick with a very channery loam subsoil ... R010XC052OR – SR Shallow South Schist 9-12 PZ

3) Soils are moderately deep to deep ... R010XC043OR – SR South 9-12 PZ

b. Not as above or sites that are not influenced by aspect

1) Soil temperature regime is mesic. Soil moisture regime is aridic

i) Soils are shallow

(a) Sites occur on gentle slopes of 2 to 12 percent on terraces, tablelands, and rolling uplands

(1) Typically occurs between 2000 to 3500 feet in elevation ... R010XC035OR – SR Shallow 9-12 PZ

(2) Typically occurs between 3500 to 4200 feet in elevation ... R010XC036OR – SR

Shallow Cool 9-12 PZ

(b) Sites occur on steep slopes of 2 to 40 percent on hillsides, escarpments, and eroded hills ... R010XC057OR – SR Shallow Escarpment 9-12 PZ

ii) Soils are moderately deep to deep

(a) Soils are clayey. Typically, both the surface and subsoil are clays with high shrink well potentials. Soil churning is prevalent. ... R010XC018OR – SR Adobeland 9-12 PZ

(b) Soils are not as described above

(1) Soil clay above 35 percent

(i) Soil temperature regime is mesic to near frigid. Typical elevation between 2700 and 4400 feet. Site averages less than 100 frost free days. Plant communities are typically dominated by Wyoming big sagebrush and Idaho fescue. ... R010XC030OR – SR Cool 9-12 PZ

(ii) Soil temperature regime is mesic. Elevations range from 2000 to 3500 feet. Site averages approximately 140 frost free days per year. Plant communities are typically dominated by Wyoming big sagebrush and bluebunch wheatgrass ... R010XC021OR – SR Clayey 9-12 PZ

(2) Soil clay below 35 percent

(i) Soil clay above 18 percent

(a) Soils are made up of greater than 40 percent silt, often contain a cambic horizon, and coarse loamy particle size class. In the reference state, wild crab apple is present ... R010XC020OR – SR Loamy 9-12 PZ

(b) Soils are made up of less than 40 percent silt, often contain an argillic horizon, and fine to fine loamy particle size class. In the reference state, wild crab apple is not present ... R010XC022OR – SR Silty 9-12 PZ

(ii) Soil clay below 18 percent ... R010XC025OR – SR Sandy 9-12 PZ

2) Soil temperature regime is transitional between mesic and frigid. Soil moisture regime is xeric ... R010XC033OR – SR Cool 12-16 PZ