

Major Land Resource Area 010X

Central Rocky and Blue Mountain Foothills

Accessed: 04/27/2024

Ecological site keys

Areas east of the Snake River, on the Foothslopes and Plains of the Big and Little Wood River

I. Site Occurs on Uplands

A. Slopes greater than 30 percent on northerly aspects

1 Site occurs in greater than 20 inch precipitation zones, in areas of moisture accumulating topography ...

R010XA016ID – Quaking Aspen 20+ PZ POTR5

2 Site is in 12 to 16 inch precipitation zones with elevation below 7000 feet

i. Soils are volcanic cinders

a. Coarse cinder soils, little soil development, cryic soil temperature regime ... R010XA043ID – Cinder North 12-16 PZ PIFL2/PUTR2

b. Somewhat finer cinder soils, greater soil development, frigid soil temperature regime ... R010XA047ID – Cindery North 12-16 PZ ARTRV-PUTR2/FEID-PSSPS

ii. Soils are not volcanic cinders

a. Soils are extremely bouldery loams. Large boulders are common on the surface. ... R010XA037ID – Shrubby Stony North 12-16 PZ ARTRV/FEID

b. Soils are moderately deep to deep stony loams. ... R010XA036ID – North Slope Stony 12-16 PZ ARTRX/PSSPS

3 Site occurs in 16 to 22 inch precipitation zones

i. Soils are deep and loamy, site occurs at an elevation between 5000 to 8800 feet ... R010XA008ID – North Slope Loamy 16-22 PZ

ii. Soils are generally shallow to fractured bedrock or clay. Roots penetrate below 20 inches. ... R010XA010ID – North Slope Fractured 16-22 PZ

iii. Soils are very shallow to bedrock or clay ... R010XA011ID – Clayey North 16-22 PZ

B. Slopes greater than 30 percent on southerly aspects

1 Occurs in 16 to 22 inch precipitation zone

i. Slopes greater than 45 percent ... R010XA014ID – Steep South Slope 16-22 PZ

ii. Slopes less than 45 percent ... R010XA015ID – South Slope Loamy 16-22 PZ

2 Occurs in less than 16 inch precipitation zones

i. Soils are volcanic cinders

a. Coarse cinder soils, little soil development... R010XA045ID – Cinder South 12-16 PUTR2/HECO26 (Draft concept)

b. Somewhat finer cinder soils, greater soil development... R010XA048ID – Cindery South 12-16 PUTR2-ARTRV/PSSPS (Draft concept)

ii. Soils not volcanic cinders

a. Site occurs in association with rock outcrops and talus slopes ... R010XA030ID – South Slope Channery 11-13 PZ ARTRX/PSSPS

b. Not as above

1) Soils greater than 20 inches to bedrock

a) Coarse fragments greater than 35 percent throughout the soil profile ... R010XA009ID – South Slope Gravelly 12-16 PZ

b) Not as above ... R010XA025ID – South Slope Loamy 11-13 PZ ARTRW8/PSSPS

2) Soils less than 20 inches to fractured bedrock

a) Site occurs on exposed ridgetops... R010XA024ID – STONY WINDSWEPT RIDGE 8-16 (Draft concept)

b) Not as above ... R010XA021ID – South Slope Fractured 12-16 PZ

3 Site occurs in greater than 20 inch precipitation zones, in areas of moisture accumulating topography ... R010XA016ID – Quaking Aspen 20+ PZ POTR5

C. Slopes generally less than 30 percent, occurring on all aspects

1 Site associated with recent lava flows

i. Soils 10 to 20 inches deep over fractured basalt ... R010XA020ID – Mixed Shrub 12-16 PZ

ii. Soils less than 10 inches to basalt or lava bedrock ... R010XA050ID – Very Shallow Loam 12-16 PZ ARAR8/POSE

iii. Soils greater than 20 inches deep

a. Site nearly devoid of vegetation, coarse cinder soils, little soil development ... R010XA046ID – Cinder Garden 12-16 PZ EROVD-LERE7

b. Somewhat finer cinder soils, greater soil development, cryic soil temperature regime ... R010XA044ID – Cinder 12-16 PZ PIFL2/ARTRV

c. Soils with greater soil development than on Cinder 12 to 16. Increased fine soil particles within the profile... R010XA049ID – Gravelly Loam 12-16 ARTRV/PUTR2/PSSPS (Draft concept)

2 Not as above

i. Soils are 20 inches or less

a. Site occurs on exposed ridgetops... R010XA024ID – STONY WINDSWEPT RIDGE 8-16 (Draft concept)

b. Not as above

1) Surface texture is generally loam to silt loam but may be finer ... R010XA007ID – Shallow Stony Loam 8-16 PZ

2) Surface texture is generally clay loam to silty clay but may be coarser ... R010XA038ID – Stony Clayey 8-16 PZ ARAR8/PSSPS

ii. Soils are greater than 20 inches deep

a. Soils are sandy ... R010XA022ID – Sandy Loam 12-16 PZ

b. Soils are clayey to loamy

1) Site has large boulders on or near surface

a) Site is below 5000 feet elevation ... R010XA032ID – Bouldery 11-13 PZ ARTRX/PSSPS

b) Site is above 5000 feet elevation ... R010XA031ID – Bouldery Loam 12-16 PZ ARTRV/FEID

2) Not as above

a) Soils are 20 to 40 inches to a duripan

(1) Sites occur in 12 to 16 inch precipitation zones, root restricting clayey subsurface at 14 to 18 inches ... R010XA001ID – Clayey 12-16 PZ ARARL/FEID

(2) Sites occur in 10 to 12 inch precipitation zones ... R010XA034ID – Claypan 10-12 PZ ARTR4/PSSPS-ACTH7

b) Not as above

(1) Site occurs in 11 to 13 inch precipitation zones

(a) Sites occur on slopes of 1 to 15 percent at elevations 4250 to 5000 feet. Soils are moderately deep. Textures are loams and silt loams. ... R010XA033ID – Loamy 11-13 PZ ARTRX/PSSPS

(b) Sites occur on slopes of 5 to 25 percent and elevations from 4000 to 5500 feet. Soils are moderately deep. Textures are loams and silt loams. ... R010XA026ID – Loamy 11-13 PZ ARTRW8/PSSPS

(2) Site occurs in 12 to 16 inch precipitation zones

(a) Sites occur on slopes from 1 to 30 percent and elevations from 4500 to 6500 feet. Soils are moderately deep to deep. Textures are loams, silt loams and gravelly silt loams ... R010XA004ID – Loamy 12-16 PZ ARTRV/FEID-PSSPS

(b) Sites occur on slopes from 1 to 20 percent and elevations from 4000 to 5500 feet. Soils are moderately deep to deep. Surface soils are silt loams. Subsoils are silty clay loam to clay loam. ... R010XA023ID – Loamy 12-16 PZ ARTR4/FEID

(3) Site occurs in greater than 20 inch precipitation zone, in areas of moisture accumulating topography ... R010XA016ID – Quaking Aspen 20+ PZ POTR5

II. Site occurs on bottomlands with slopes less than 8 percent

A. Water table usually not present. ... R010XA042ID – Loamy Bottom 12-16 PZ LECI4

B. Water table present for most of the growing season.

1 Water standing at or above the surface into late summer... R010XA040ID MARSH TYLA-SCAC3 (Draft concept)

2 Water at or near the surface at beginning of growing season and down to 10 to 20 inches at the end of the growing season. ... R010XA039ID – Wet Meadow Carex/Juncus

3 Water at or near the surface at beginning of growing season and down to 20 to 40 inches at the end of the growing season ... R010XA027ID – Meadow DECA18-CANE2

4 Water at or near the surface at beginning of the growing season and greater than 40 inches at the end of the growing season. ... R010XA028ID – Dry Meadow 8-15 PZ PONE3-PHAL2