

Major Land Resource Area 043B

Central Rocky Mountains

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Ecological site keys

Rangeland Key for 43B Idaho portion

I. Site occurs on uplands

A. Soils derived from granite parent material.

1 Site has slopes less than 30%. Site occurs in 16-22 PZ and elevations of 6000 to 7500 ft. Occasional rock outcrops may occur through-out the site. Soil are deep with surface texture is sandy loam with some rock fragments ... R043BY013ID – South Slope Loamy 16-22 PZ ARTRV/FEID

2 Site has slopes greater than 30%.

i. Site occurs on southerly aspects.

a. Soils at site are stony or gravelly.

1) Site occurs in 22 inch PZ and elevations of 2800 to 5300 ft. Soils are moderately deep loams. They are derived from basalt. Coarse fragments below 10 inches ranges from 40-80 percent. ... R043BY018ID – South Slope Stony 22+ PZ PSSP6-FEID ... R043BY018ID – South Slope Stony 22+ PZ PSSP6-FEID

2) Site occurs in 16-22 PZ and elevations of 6500 to 10000 ft. Soils are moderately deep gravelly loams ... R043BY020ID – South Slope Gravelly 16-22 PZ ARTRV/BRMA4-ELTRT ... R043BY020ID – South Slope Gravelly 16-22 PZ ARTRV/BRMA4-ELTRT

b. Soils are loamy or medium textured: Site occurs in 16-22 PZ and elevations of 6000 to 7500 ft. Occasional rock outcrops may occur through-out the site. Soil are deep with surface texture is sandy loam with some rock fragments ... R043BY013ID – South Slope Loamy 16-22 PZ ARTRV/FEID

ii. Site occurs on northerly aspects: Site occurs in 16-22 PZ and elevations of 5500 to 10000 ft. Soils are deep, well drained silt loams and loams. ... R043BY019ID – North Slope Loamy 16-22 PZ SYORU/FEID-PSSPS

B. Soils not derived from granite soils.

1 Soils are not associated with glacial moraines or glacial landforms.

i. Soils are shallow.

a. Site occurs in 16-22 inch precipitation zone.

1) Elevations of 4500 to 6000 ft. They occur on ridgetops and mountainsides. Soils are shallow to fractured bed-rock. Soil textures are very cobbly loam to cobbly clay loams formed in residuum of basalt. ... R043BY004ID – Shallow Fractured Stony Loam 16-22 PZ ARTRV/FEID

2) Site occurs in 16-22 inch PZ and elevations of 6300 to 7500 ft. The site occurs on nearly level to gently sloping outwash fans. Soils are shallow to sand and gravels that are more than 60 percent by volume. Surface in gravelly sandy loams ... R043BY016ID – Shallow Gravelly 16-22 PZ ARAR8/FEID

b. Site occurs in 22+ precipitation zone Elevations of 6300 to 7500 ft. The site occurs on nearly level to gently sloping outwash fans. Soils are shallow to sand and gravels that are more than 60 percent by volume. Surface in gravelly sandy loams ... R043BY016ID – Shallow Gravelly 16-22 PZ ARAR8/FEID

ii. Soils are moderately deep to deep.

a. Sites occur primarily on side slopes and benches.

1) Elevations of 6800 to 10000 ft. It occurs on side slopes and benches. Soils are loams. ...
R043BY021ID – Mountain Loamy 22+ PZ FEID/POGR9-GEVI2

2) Site occurs at elevations of 6800 to 10000 ft. It occurs on side slopes, benches and mountain slopes. Soils are loams and sub-soils are gravelly loams. ... R043BY024ID – Subalpine Loamy 22+ PZ BRMA4/POGR9-GEVI2

b. Sites occur on ridgetops or mountain sides with shallow fractured bedrock.

1) Elevations of 4500 to 6000 ft. They occur on ridgetops and mountainsides. Soils are shallow to fractured bed-rock. Soil textures are very cobbly loam to cobbly clay loams formed in residuum of basalt. ... R043BY003ID – Loamy 22+ PZ FEID-PSSPS

2) Site occurs at elevations of 7000 - 10000 ft. They occur on or near mountain Ridgetops and divides that are exposed to the Wind. Soils are moderately deep to deep loams ... R043BY022ID – Windswept Mountain Ridge 22+ PZ FEID-CAREX

2 Site occurs on rolling glacial moraines, fans and fan terraces. Site occurs in 16-22 PZ and elevations of 6000 to 7300 ft. Soils are loams and can have some rocks on the surface ... R043BY009ID – Loamy 16-22 PZ ARTRV/FEID

II. Site occurs on bottomlands or riparian areas (slopes less than 5%)

A. The site is associated with water courses: Site occurs in 16 to over 22-inch PZ and at elevations of 6000 to 10000 ft. Soils have little development. Soils are mixed gravelly and sandy alluvium with coarse fragments. Water tables are near the surface to 12 inches. ... R043BY011ID – Riparian SALIX/CAREX

B. Site is not strictly associated with water courses.

1 Soils on the site have an organic mat 8-40 inches.

i. Soils on the site have an organic mat (peat) 10-40 inches thick. Soils are saturated to the surface yearlong ... R043BY023ID – Fen 22+ PZ Carex

ii. Organic mat present that is 8-40 inches Water at or up to 6 inches above the surface at the beginning of the growing season and down to less than 10 inches at the end of the growing season. ... R043BY014ID – Wet Meadow (Muck) SALIX/CAREX

2 Site has less than 8" of organic layer and a water table present.

i. Site has a permanent water table between 1 and 3 ft. ... R043BY012ID – Mountain Poorly Drained Bottom ARCAV3-DAFRF/FEID

ii. Water at or near the surface at beginning of the growing season and greater than 40 inches at the end of the growing season. ...

a. Water at or near the surface at beginning of growing season and down to 20-40 inches at the end of the growing season. ... R043BY007ID – Meadow DECA18-CANE2

b. Water at or near the surface at beginning of the growing season and greater than 40 inches at the end of the growing season. ... R043BY008ID – Dry Meadow PONE3-PHAL2