

Major Land Resource Area 011X

Snake River Plains

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Ecological site keys

MLRA 11XB Upper Snake River Plains Key

I. Site occurs on uplands.

A. Slopes greater than 30% on southerly aspects.

1 Soils are non-stony Site occurs in 11-13" PZ at 4000-5500 ft. elevation. Soils are deep loams formed in thick loess. ... R011XB012ID – South Slope Loamy 11-13 PZ ARTRW8/PSSPS

B. Slopes less than 30% on all aspects (non-aspect).

1 Site occurs in closed basin, run-in or depressional areas.

i. Site occurs on nearly level slopes. Soils are deep silt loams and clay loams with mottles within 20 inches of the surface. Internal drainage ranges from moderately somewhat poorly drained. 8-12" inch PZ and 4500 to 5500 ft. ... R011XB008ID – Playa 8-12 PZ ARTR4/PSSPS

2 Site does Not occur in closed basin, run-in or depressional areas.

i. Soils are non-stony.

a. Soil depth is moderately deep to deep.

1) Site occurs in 7-10" inch PZ and elevations of 4900 to 5500 ft. The site occurs of rolling basalt plains and sedimentary lake beds. Soils are loams and may be gravelly. ... R011XB019ID – Loamy 7-10 PZ ARTRW8/HECOC8-ACHY

2) Site occurs in 8-12" PZ and elevations of 4000 to 5000 ft. There is lime accumulation at depths of 8-18 inches. Small lava rock outcrops areas may be scattered throughout the site. ... R011XB001ID – Loamy 8-12 PZ

3) Site occurs in 8-12" PZ and elevations of 4000 to 5500 ft. Lime accumulation at 10-18". ... R011XB006ID – Loamy 8-12 PZ ARTRT/LECI4

4) Site occurs in 12-16" PZ and elevations of 4000 to 5000 ft. Small lava rock outcrop areas may be scattered throughout the site. The soils are high in ash. Lime is leached to below 15 inches. ... R011XB007ID – Loamy 12-16 PZ ARTRT/LECI4

5) Site occurs in 12-16" PZ and elevations of 4000 to 5500 ft. Some lava rock outcrop areas may be scattered throughout the site. Lime is leached to below 15 inches. ... R011XB010ID – Loamy 12-16 PZ ARTRW8/PSSPS

6) Site occurs in 8-12" PZ and elevations of 4000 to 6000 ft. Soils are deep. They occur as areas of partially stabilized eolian dunes. They occur as long and narrow old dunes. ... R011XB016ID – Sand 8-12 PZ ARTRT-PUTR2/HECOC8

7) Site occurs in 7-10" PZ and elevations of 4800 to 5500 ft. It occurs on gently sloping desert flood plains, valley bottoms, alluvial fans, terraces mesas and benches. Soils are moderately deep to deep and well drained. ... R011XB031ID – Silty 7-10 PZ KRLA2/ACHY

8) Site occurs in 6-8" inch PZ and elevations of 4200 to 5500 ft. It occurs on nearly level alluvial fans. Usually calcareous and moderately alkaline. ... R011XB017ID – Loamy 6-8 PZ ATCO/ACHY

9) Site occurs in 7-10" PZ and elevations of 5100 to 5500 ft. It occurs on alluvial fans and out-washed plains. Moderately deep to a lime accumulation zone. ... R011XB032ID – Gravelly Loam

7-10 PZ ARNO4/ACHY-HECOC8

b. Soil depth is shallow.

1) Site occurs in 8-12" PZ and elevations of 4000 to 5500 ft. ... R011XB013ID – Shallow Loamy 8-12 PZ ARAR8/PSSPS

2) Site occurs in 8-14" PZ and 4800 to 5600 ft. on nearly level areas between outcrops of lava flows or pressure ridges. Soils are loams that are shallow to highly fractured bedrock. ... R011XB005ID – Fractured Loamy 8-16 PZ ARTRW8/PSSPS

3) Site occurs in 8-12" PZ and elevations of 4200 to 5000 ft. These are areas where sands from dunes or old lake sediments have been blown over pre-existing landscape. Soils are shallow loamy sands and are calcareous throughout the profile. ... R011XB018ID – Shallow Sandy 8-12 PZ ARNO4/ACHY-HECOC8

ii. Soils are stony.

a. Site occurs in 8-12" PZ and elevations of 4000 to 5500 ft. Soils are moderately deep stony loams. Roots generally penetrate the porous basalt under-lying the site. ... R011XB003ID – Stony Loam 8-12 PZ ARTRW8/PSSPS

b. Site occurs in 8-12" PZ. The site usually occurs on or near the tops of ridges. It is often associated with basalt outcrops. Soils are shallow over fractured bedrock. ... R011XB009ID – Shallow Stony 8-12 PZ ARTRW8/PSSPS

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

A. Water standing at or above the surface into late summer. ... R011XB025ID – Marsh TYLA-SCAC3

B. Water at or near the surface at beginning of growing season and down to 10-20" at the end of the growing season. ... R011XB023ID – Wet Meadow Carex-Juncus

C. Water at or near the surface at beginning of growing season and down to 20-40" at the end of the growing season. ... R011XB021ID – Meadow DECA18-CANE2

D. Water at or near the surface at beginning of the growing season and greater than 40" at the end of the growing season. ... R011XB022ID – Dry Meadow POSE-PHAL2