

# Major Land Resource Area 010X

## Central Rocky and Blue Mountain Foothills

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### Ecological site keys

#### Fluvial Landforms

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I. Sites occurring on high elevation fens ... R010XY032OR – Meadow Fen 14+ PZ

II. Not as above

A. Sites occurring along the active channel of a perennial or intermittent stream to riparian sites

1 Soil temperature regime is mesic

i. Site occupies depositional floodplains and gravel bars ... R010XY010OR – Coyote Willow Riparian

ii. Site occupies primary terraces ... R010XY011OR – Cottonwood-Willow-Riparian

2 Soil temperature regimes is mesic near frigid or cooler

i. Depth to alluvial sediments is 60 inches or greater ... R010XY225OR – Aspen Riparian 12-18 PZ

ii. Not as above

a. Soil temperature regime is mesic near frigid to frigid near mesic ... R010XY012OR – Booth-Yellow Willow Riparian

b. Soil temperature regimes is frigid to cryic ... R010XY013OR – Booth-Geyer-Yellow Willow Riparian

B. Not as above

1 Site occurs on floodplains of perennial streams and rivers, near channels occupying primary terraces to meadows

i. Soil temperature regime is mesic to frigid near mesic

a. Water table is within 12 inches of the soil surface March through July ... R010XY003OR – Wet Meadow

b. Water table is deeper than 12 inches of the soil surface March through July

1) Soil has sodic properties ... R010XY008OR – Sodic Meadow

2) Soil does not have sodic properties ... R010XY004OR – Meadow

ii. Soil temperature regime is frigid to cryic

a. Water table is within 12 inches of the soil surface March through July ... R010XY001OR – Cold Wet Meadow

b. Water table is deeper than 12 inches of the soil surface March through July

1) Shrub component common, dominated by silver sagebrush ... R010XY002OR – Cold Meadow

2) Not as above ... R010XY033OR – Cold Moist Meadow

2 Not as above

i. Site occurs on floodplains of perennial streams and rivers, occupying secondary terraces to bottoms

a. Soil temperature regime is mesic to frigid near mesic

1) Soil has sodic properties ... R010XY007OR – Sodic Bottom

2) Soil does not have sodic properties

i) Soils are sandy in the particle control section ... R010XY009OR – Sandy Bottom

ii) Soils are not sandy in the particle control section

(a) Soils are clayey in the particle control section ... R010XY014OR – Clayey Bottom

- (b) Soils are loamy in the particle control section ... R010XY005OR – Loamy Bottom
- b. Soil temperature regime is frigid to cryic ... R010XY006OR – Mountain Loamy Bottom
- ii. Not as above
  - a. Site occurs adjacent to and on floodplains or ephemeral streams, upper end of drainages to swales
    - 1) Soil temperature regime is mesic to frigid near mesic
      - i) Soil moisture regime is aridic ... R010XY113OR – Swale 9-12 PZ
      - ii) Soil moisture regime is xeric ... R010XY116OR – Swale 12-16 PZ
    - 2) Soil temperature regime is frigid and mesic near frigid
      - i) Soil moisture regime is aridic ... R010XY114OR – Cool Swale 9-12 PZ
      - ii) Soil moisture regime is xeric
        - (a) Sites have higher available water holding capacities (8 to 10 inches). In the reference state, basin wildrye is the dominant grass species and has higher production than the Dry Mountain Swale site ... R010XY117OR – Mountain Swale 12-16 PZ
        - (b) Sites have lower plant available water (3 to 6 inches). In the reference state, Idaho fescue is the dominant grass and has lower production than the Mountain Swale sites ... R010XY119OR – Dry Mountain Swale 12-16 PZ
  - b. Not as above
    - 1) Site occurs on mountain side slopes and plateaus in areas receiving additional subsurface moisture from ephemeral subsurface flows ... R010XY230OR – Aspen Upland 12-18 PZ
    - 2) Not as above or sites occurring on alluvial fans
      - i) Precipitation 9 to 12 inches, aridic soil moisture regime
        - (a) Soil has sodic properties ... R010XY126OR – Sodic Fan 9-12 PZ
        - (b) Soil does not have sodic properties
          - (1) Typically occurring on lower fan toeslope or terrace positions, hydrologically connected to stream networks ... R010XY120OR – Loamy Fan 9-12 PZ
          - (2) Not as above
            - (i) Soils are clays with very fine particle size classes ... R010XY121OR – Droughty Clayey Fan 9-12 PZ
            - (ii) Soils are typically loamy-skeletal (sometimes fine) particle size classes ... R010XY153OR – Droughty Fan 9-12 PZ
      - ii) Precipitation 12 to 16 inches, xeric soil moisture regime ... R010XY125OR – Gravelly Fan 12-16 PZ