

Major Land Resource Area 043B

Central Rocky Mountains

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Ecological site keys

MLRA 43B Montana PES Groupings Key

Part I. Biotic Grouping

A. Rangeland Groupings

1 Shallow Soil Depth (less than 20" deep)

- i. Site Dominated by native grasses ... R043BP810MT – Shallow Grassland Group
- ii. Site Dominated by Sagebrush ... R043BP811MT – Shallow Sagebrush Shrubland Group
- iii. Site dominated by non-sagebrush shrubs ... R043BP812MT – Shallow Shrubland Group
- iv. Site located in alpine system ... R043BP823MT – Shallow Alpine Group

2 Position Driven

- i. Site does not receive additional moisture and is considered an upland site (run-off sites)
 - a. Site located in Alpine System
 - 1) Site not affected by soil chemistry ... R043BP821MT – Upland Alpine Group
 - 2) Site affected by soil chemistry ... R043BP822MT – Limy Alpine Group
 - b. Site not in Alpine System
 - 1) Site affected by soil chemistry
 - a) Site strong or violently effervescent within 4 inches of soil surface
 - (1) Site dominated by native grasses ... R043BP804MT – Limy Grassland Group
 - (2) Site dominated by sagebrush species ... R043BP805MT – Limy Sagebrush Shrubland Group
 - b) Site affected by salt (sodic or saline sites)
 - (1) Site dominated by native grasses ... R043BP807MT – Saline Sodic Grassland Group
 - (2) Site dominated by sagebrush species ... R043BP808MT – Saline Sodic Sagebrush Shrubland Group
 - 2) Site not affected by soil chemistry
 - a) Site dominated by native species ... R043BP818MT – Upland Grassland Group
 - b) Site dominated by sagebrush species ... R043BP819MT – Upland Sagebrush Shrubland Group
 - c) Site dominated by non-sagebrush shrubs ... R043BP820MT – Upland Shrubland Group
 - ii. Site receives additional moisture from position in or near streams or waterways (run-in sites)
 - a. Site affected by soil chemistry
 - 1) Site dominated by native grasses ... R043BP813MT – Subirrigated Saline-Sodic Grassland Group
 - 2) Site dominated by native shrubs ... R043BP814MT – Subirrigated Saline-Sodic Shrubland Group
 - b. Site not affected by soil chemistry
 - 1) Site located in Alpine System ... R043BP824MT – Subirrigated Alpine Group
 - 2) Site not located in Alpine System

- a) Site dominated by native grasses ... R043BP815MT – Subirrigated Grassland Group
- b) Site dominated by sagebrush species ... R043BP816MT – Subirrigated Sagebrush Shrubland Group
- c) Site dominated by non-sagebrush shrub species ... R043BP817MT – Subirrigated Shrubland Group
- d) Site has a mix of native deciduous trees, shrubs, and grasses that is nearing forest levels of canopy cover ... R043BP801MT – Bottomland Group

B. Forestland Groupings

1 Shallow Depth Driven

- i. Site at High elevation and North slopes ... F043BP902MT – Shallow Cold Woodland Group
- ii. Site at Mid-elevations ... F043BP903MT – Shallow Cool Woodland Group
- iii. Site at Low elevations and South facing Mid-elevation ... F043BP904MT – Shallow Warm Woodland Group

2 Position Driven

- i. Site receives additional moisture from position in or near streams or waterways (run-in sites)
 - a. Site located at high elevation ... F043BP906MT – Subirrigated Cold Woodland Group
 - b. Site located at Mid-elevations
 - 1) Site has permanent water table with 20 inches of surface ... F043BP917MT – Subirrigated Cool Moist Woodland Group
 - 2) Site has permanent water table within 20 to 40 inches of surface ... F043BP907MT – Subirrigated Cool Woodland Group
- ii. Site does not receive additional moisture from position in or near streams or waterways (run-in sites)
 - a. Site affected by soil chemistry
 - 1) Site located at Mid-elevation ... F043BP912MT – Limy Cool Woodland Group
 - 2) Site located at Low elevations ... F043BP913MT – Limy Warm Woodland Group
 - b. Site not affected by soil chemistry
 - 1) Site affected site modifiers (texture or surface cover)
 - a) Site Ashy or Medial textural class ... F043BP916MT – Ashy Cold Woodland Group
 - b) Site has greater than 15 percent stone or boulder cover or fragmental textural family ... F043BP901MT – Rubbly Cool Woodland Group
 - 2) Site without textural or surface modifiers
 - a) Site dominated by Aspen ... F043BP908MT – Upland Aspen Woodland Group
 - b) Site located at High elevations ... F043BP909MT – Upland Cold Woodland Group
 - c) Site located at Mid-elevation ... F043BP910MT – Upland Cool Woodland Group
 - d) Site located at Low elevations ... F043BP911MT – Upland Warm Woodland Group