

Major Land Resource Area 043A

Northern Rocky Mountains

Accessed: 05/11/2025

Ecological site keys

43A LRU 1-4 mesic/xeric zone - Draft key (4MOS)

1) depth to SHWT <75cm

a) mineral soil materials

- i) water table mostly >24 inches during May-Oct (MWD)...F043AY501WA ... F043AY501WA – Warm Mesic Xeric Loamy Foothills, Terraces, High Water Table (Ponderosa Pine/Shrub) Pinus Ponderosa / Symphoricarpos albus, Pinus Ponderosa / Physocarpus malvaceus
- ii) Water table <24 inches during May to Oct (PD)...R043AY510WA ... R043AY510ID – Poorly Drained Floodplains 23-25" PZ Mesic Columbia-Colville Valleys

b) Organic soil materials...none proposed

2) depth to SHWT >75cm

a) warm-mesic zone...(EX043AESG03)

- i) sandy...F043AY509WA ... F043AY509WA – Warm, Xeric, Sandy, Outwash Terraces and Plains (Ponderosa Pine/Dry Grass) Pinus ponderosa / Pseudoroegneria spicata , Pinus ponderosa / Festuca idahoensis
- ii) not sandy
 - (1) low awc...F043AY510WA ... F043AY510WA – Warm, Xeric, Loamy Hillsides, Low Available Water Capacity (Ponderosa Pine/Dry Grass) Pinus ponderosa / Pseudoroegneria spicata , Pinus ponderosa / Festuca idahoensis
 - (2) loamy
 - (a) mixed ash...F043AY511WA ... F043AY511WA – Warm, Xeric, Loamy Hillsides, Mixed ash surface (Ponderosa Pine/Dry Grass) Pinus ponderosa / Pseudoroegneria spicata, Pinus ponderosa / Festuca idahoensis
 - (b) ashy...F043AY512WA ... F043AY512WA – Warm, Xeric, Loamy Mountainsides, ashy surface (Ponderosa Pine/Dry Grass) Pinus ponderosa / Pseudoroegneria spicata , Pinus ponderosa / Festuca idahoensis

b) mesic to cool mesic zone

i) mesic

(1) Xeric...none proposed

(2) Dry-xeric

- (a) Low Awc...R043AY507WA ... R043AY507WA – Cool-Mesic Dry-Xeric Loamy Low AWC (PSSP/FEID/ACNE)

ii) cool-mesic

(1) Xeric or dry-xeric

- (a) Dry-xeric...R043AY506WA ... R043AY506WA – Cool-Mesic Dry-Xeric Loamy Hills and Mountains (PSSP/FECA/FEID)

(b) xeric...(EX043AESG02)

- (i) sandy...F043AY508WA ... F043AY508WA – Warm Mesic Xeric Sandy Hill slopes and Outwash terraces (Ponderosa Pine Dry Shrub, Grass) Pinus ponderosa / Purshia tridentata – Festuca idahoensis - Pseudoroegneria spicata

(ii) not sandy

1 low awc...F043AY507WA ... F043AY507WA – Warm Mesic Xeric Loamy
Foothills/Mountainsides, low AWC subsoils (Ponderosa Pine Dry Shrub, Grass) Pinus
ponderosa / Purshia tridentata – Festuca idahoensis - Pseudoroegneria spicata

2 loamy

a. mixed ash...F043AY506WA ... F043AY506WA – Warm Mesic Xeric Loamy
Foothills/Mountainsides, mixed ash surface (Ponderosa Pine Dry Shrub, Grass) Pinus
ponderosa / Purshia tridentata – Festuca idahoensis - Pseudoroegneria spicata

b. ashy...F043AY505WA ... F043AY505WA – Warm Mesic Xeric Loamy
Foothills/Mountainsides, ashy surface (Ponderosa Pine Dry Shrub, Grass) Pinus
ponderosa / Purshia tridentata – Festuca idahoensis - Pseudoroegneria spicata

(2) moist xeric ... F043AY502WA – Warm Mesic Xeric Loamy Foothills, Terraces, mixed ash surface
(Ponderosa Pine/Shrub) Pinus Ponderosa / Symphoricarpos albus, Pinus Ponderosa / Physocarpus
malvaceus