

# Major Land Resource Area 044A

## Northern Rocky Mountain Valleys

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### Ecological site keys

#### MLRA 44A – West of Cabinet Gorge

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##### I. West of Cabinet Gorge and Cabinet Mountains

A. Outwash terraces, outwash plains and footslopes below 2625 feet elevation, south and west of Lake Pend Oreille and Spirit Valley; LRU01 Spokane Rathdrum Outwash Plains

###### i. Mesic climate zone

a. Aquic with organic soil materials ... R044AY501WA – Mesic, Aquic, Organic Depressions and Seeps

b. Xeric moisture regime (EX044AESG01)

1 Sandy ... F044AY502WA – Warm Mesic Xeric Sandy Hill slopes and Outwash terraces (Ponderosa Pine/Shrub) *Pinus Ponderosa* / *Symphoricarpos albus*, *Pinus Ponderosa* / *Physocarpus malvaceus*

2 Loamy with low AWC ... F044AY501WA – Warm Mesic Xeric Loamy Foothills, Terraces, low AWC subsoils (Ponderosa Pine/Shrub) *Pinus Ponderosa* / *Symphoricarpos albus*, *Pinus Ponderosa* / *Physocarpus malvaceus*

###### ii. Frigid climate zone

a. Warm-frigid

1 Aquic-xeric moisture regime ... R044AY502WA – Warm-frigid, Aquic-Xeric, Loamy, Flood Plains (Grass/Sedge) Semi-wet Meadow

2 Xeric or Moist xeric moisture regime

I) Xeric with high water table ... F044AY504WA – Frigid, Udic, Loamy Foothills and Drainageways, high water table (Western Hemlock/Moist Forbes) *Tsuga heterophylla* / *Clintonia uniflora* , *Tsuga heterophylla* / *Asarum caudatum*

II) Moist-xeric with high water table (EX044AESG02) ... F044AY503WA – Warm-Frigid, Moist-Xeric Loamy Foothills/Mountainsides, high water table (Grand Fir Warm Dry Shrub) *Abies grandis* - *Pseudotsuga menziesii* / *Physocarpus malvaceus* - *Symphoricarpos albus*

b. Cool-frigid climate zone (EX044AESG03)

1 High water table ... F044AY504WA – Frigid, Udic, Loamy Foothills and Drainageways, high water table (Western Hemlock/Moist Forbes) *Tsuga heterophylla* / *Clintonia uniflora* , *Tsuga heterophylla* / *Asarum caudatum*

2 Sandy, no high water table ... F044AY505WA – Frigid, Udic, Sandy Hill slopes and Outwash terraces (Western Hemlock/Moist Forbes) *Tsuga heterophylla* / *Clintonia uniflora* , *Tsuga heterophylla* / *Asarum caudatum*

B. Outwash terraces, outwash plains and footslopes below 3500 feet, north and east of Lake Pend Oreille and Spirit Valley; LRU02 Pend Oreille-Kootenai Valleys

###### i. Mesic climate zone

a. Aquic with organic soil materials ... R044AY501WA – Mesic, Aquic, Organic Depressions and Seeps

b. Xeric moisture regime (EX044AESG01)

1 Sandy

2 Loamy with low AWC ... F044AY501WA – Warm Mesic Xeric Loamy Foothills, Terraces, low AWC subsoils (Ponderosa Pine/Shrub) *Pinus Ponderosa* / *Symphoricarpos albus*, *Pinus Ponderosa* / *Physocarpus malvaceus*

ii. Frigid climate zone

a. Warm-frigid

1 Aquic-xeric moisture regime ... R044AY502WA – Warm-frigid, Aquic-Xeric, Loamy, Flood Plains (Grass/Sedge) Semi-wet Meadow

2 Xeric or moist xeric moisture regime

I) Xeric with high water table ... F044AY506WA – Warm-Frigid, Xeric, Loamy, Foothills and Stream Terraces, High Water Table (Douglas-Fir Warm Dry Shrub)

II) Moist-xeric with high water table (EX044AESG02) ... F044AY503WA – Warm-Frigid, Moist-Xeric Loamy Foothills/Mountainsides, high water table (Grand Fir Warm Dry Shrub) *Abies grandis* - *Pseudotsuga menziesii* / *Physocarpus malvaceus* - *Symphoricarpos albus*

b. Cool-frigid climate zone (EX044AESG03)

1 High water table ... F044AY504WA – Frigid, Udic, Loamy Foothills and Drainageways, high water table (Western Hemlock/Moist Forbes) *Tsuga heterophylla* / *Clintonia uniflora* , *Tsuga heterophylla* / *Asarum caudatum*

2 Sandy, no high water table ... F044AY505WA – Frigid, Udic, Sandy Hill slopes and Outwash terraces (Western Hemlock/Moist Forbes) *Tsuga heterophylla* / *Clintonia uniflora* , *Tsuga heterophylla* / *Asarum caudatum*

II. East of Cabinet Gorge; use 4-MIS key