

Major Land Resource Area 043A

Northern Rocky Mountains

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Ecological site keys

MLRA 43A - ESD Key – LRU 7-11 – Frigid/Udic Zone - Draft Key (4MOS)

- 1) Cool-Frigid/Moist-Udic...Grand Fir Mosaic-2 F043AY555ID ... F043AY555ID – Cool-Frigid, Moist-Udic, Loamy, Mountains, Grand Fir Mosaic Grand fir/Bracken fern-Coneflower
- 2) Frigid or Warm-Frigid
 - a) Frigid
 - i) Frigid-Aquic
 - (1) Organic materials in seeps, depressions and backswamps...R043AY511ID ... R043AY511ID – Frigid Aquic Organic Depressions and Seeps (CAREX/SPHAG)
 - (2) Mineral materials on narrow floodplains...R043AY517ID ... R043AY517ID – Frigid Aquic-Udic Loamy Flood Plains (ALIN/COSE/CAREX)
 - ii) Frigid/Udic-EX43AESG15
 - (1) Frangipan not present
 - (A) Apparent water table within 30 inches of surface some time during Apr-Oct period ...use F043AY560ID ... F043AY560ID – Frigid, Udic, Unglaciaded, Loamy, Hills, Mountains and Valleys, Mixed ash surface (western hemlock) Western hemlock/Brides bonnet-wild ginger
 - (B) Water table not as above
 - (i) Low Available water Capacity... F043AY557ID ... F043AY557ID – Frigid, Udic, Loamy, Mountains and Valleys, Low Available Water (western hemlock/moist herb) Western hemlock/Brides bonnet-wild ginger
 - (ii) Moderate to High Available Water Capacity
 - 1 Metasedimentary Geology... F043AY558ID ... F043AY558ID – Frigid, Udic, Unglaciaded, Loamy, Hills and Mountains, Metasedimentary (western hemlock/moist herb) Western hemlock/Brides bonnet-wild ginger
 - 2 Other Geology
 - a. Ashy surface... F043AY559ID ... F043AY559ID – Frigid, Udic, Unglaciaded, Loamy, Hills, Mountains and Valleys, Ashy surface (western hemlock/moist herb) Western hemlock/Brides bonnet-wild ginger
 - b. Mixed ash surface... F043AY560ID ... F043AY560ID – Frigid, Udic, Unglaciaded, Loamy, Hills, Mountains and Valleys, Mixed ash surface (western hemlock) Western hemlock/Brides bonnet-wild ginger
 - (2) Frangipan present... F043AY556ID ... F043AY556ID – Frigid, Udic, Unglaciaded, Loamy, Hills, Frangipan (western hemlock/moist herb) Western hemlock/Brides bonnet-wild ginger
 - b) Warm-Frigid
 - i) Aquic
 - (1) Floodplains of large river systems
 - a. Mineral soils...F043AY584ID ... F043AY584ID – Warm-Frigid, Aquic-Udic, Flood Plains (POBAT/POTR/COSE)
 - b. Organic soils...R043AY511ID ... R043AY511ID – Frigid Aquic Organic Depressions and Seeps (CAREX/SPHAG)

(2) Floodplains and terraces foothill drainageways

(a) Somewhat poorly drained to poorly drained sites (high water table during May-Oct = 14 to 30 inches)...R043AY513ID ... R043AY513ID – Warm-Frigid Aquic-Xeric Loamy Flood Plains (Semi-wet) (DACA/CAREX)

(b) Poorly to very poorly drained sites (high water table during May-Oct = 0 to 14 inches)... R043AY512ID ... R043AY512ID – Warm-Frigid Aquic-Udic Loamy Flood Plains (Wet) (DECA/CAREX)

ii) Other

(1) Dry-Udic-EX43AESG16

(a) Fragipan present... F043AY561ID ... F043AY561ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Hills, Fragipan (grand fir/moist herb) Grand Fir/Bride's Bonnet

(b) Fragipan not present

(i) Low Available Water Capacity... F043AY562ID ... F043AY562ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Mountains, Low Available Water (grand fir/moist herb) Grand Fir / Bride's Bonnet

(ii) Moderate to High Available Water Capacity

1 Metasedimentary Geology

a. Ashy surface... F043AY563ID ... F043AY563ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Mountains, Metasedimentary, Ashy surface (grand fir) (grand fir) Grand Fir / Bride's Bonnet

b. Mixed ash surface... F043AY564ID ... F043AY564ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Hills and Mountains, Metasedimentary, Mixed Ash surface Grand Fir / Bride's Bonnet

2 Other Geology

a. Basalt geology

i. Ashy surface... use F043AY565ID ... F043AY565ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Hills, and Canyons, Basalt (grand fir/moist herb) Grand fir/Bride's Bonnet

ii. Mixed ash surface... F043AY565ID ... F043AY565ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Hills, and Canyons, Basalt (grand fir/moist herb) Grand fir/Bride's Bonnet

b. Other geology

i. Ashy surface... F043AY566ID ... F043AY566ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Hills and Mountains, Ashy surface (grand fir/moist herb) Grand Fir / Bride's Bonnet

ii. Mixed ash surface... F043AY567ID ... F043AY567ID – Warm-Frigid, Dry-Udic, Unglaciaded, Loamy, Hills and Mountains, Mixed Ash surface (grand fir) Grand Fir / Bride's Bonnet

(2) Other

(A) Udic...EX43AESG17 (Western redcedar/moist herb)

(a) Fragipan present

(i) Ashy Surface... F043AY568ID ... F043AY568ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills, Fragipan, Ashy surface (western redcedar/moist herb) Western Redcedar / Bride's Bonnet - Wild Ginger

(ii) Mixed ash surface... F043AY569ID ... F043AY569ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills, Fragipan, Mixed ash surface (western redcedar) Western Redcedar / Bride's Bonnet - Wild Ginger

(b) Fragipan not present

(i) Apparent water table within 30 inches of surface some time during Apr-Oct period.... F043AY576ID ... F043AY576ID – Warm-Frigid, Udic, Unglaciaded, Loamy, High Water Table

(western redcedar/moist herb) Western Redcedar / Bride's Bonnet - Wild Ginger

(ii) Not as above

1 Metasedimentary geology

a. Ashy Surface... F043AY570ID ... F043AY570ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills and Mountains, Metasedimentary, Ashy surface Western Redcedar / Bride's Bonnet - Wild Ginger Western Redcedar / Bride's Bonnet - Wild Ginger

b. Mixed ash surface... F043AY571ID ... F043AY571ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills and Mountains, Metasedimentary, Mixed ash surface Western Redcedar / Bride's Bonnet - Wild Ginger

2 Other geology

a. Basalt geology

i. Ashy Surface... F043AY572ID ... F043AY572ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills and Canyons, Basalt, Ashy surface (western redcedar) Western Redcedar / Bride's Bonnet - Wild Ginger

ii. Mixed ash surface... F043AY573ID ... F043AY573ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills and Canyons, Basalt, Mixed ash surface Western Redcedar / Bride's Bonnet - Wild Ginger

b. Other geology

i. Ashy Surface... F043AY574ID ... F043AY574ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills and Mountains, Ashy surface (western redcedar) Western Redcedar / Bride's Bonnet - Wild Ginger

ii. Mixed ash surface... F043AY575ID ... F043AY575ID – Warm-Frigid, Udic, Unglaciaded, Loamy, Hills, Mountains and Valleys, Mixed ash surface (western redcedar/moist herb) Western Redcedar / Bride's Bonnet - Wild Ginger

(B) Very moist-Udic ... F043AY577ID – Warm-Frigid, Very Moist-Udic Loamy

Foothills/Mountainsides (Western redcedar, fern) Western Redcedar / Oakfern-Maidenhair fern