

Major Land Resource Area 234X Interior Brooks Range Mountains

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Ecological site keys

Life zone key

I. Elevation generally below 2500 feet - Boreal zone

II. Elevation generally above 2500 feet.

A. Sparse, stunted trees. Shrubs <3m in height - Subalpine zone

B. Trees no longer persistent. Shrubs <1m in height - Alpine zone

Boreal Life Zone

I. Occurs on floodplains

II. Occurs on hills, plains and mountains

A. Cold slopes. Permafrost present.

1 Occurs on earth hummocks ... R234XY701AK – Boreal tussock frozen hummocks

2 Other than above. Occurs on mountain slopes. ... F234XY713AK – Boreal forest loamy frozen slopes

B. Warm slopes. Permafrost absent

1 Water table present within 10 inches of the soil surface, poorly drained soils ... F234XY712AK – Boreal forest silty wet slopes

2 Water table absent, well-drained soils

i. Steep slopes, > 40% ... F234XY711AK – Boreal forest gravelly steep slopes

ii. Moderate slopes, < 40% ... F234XY714AK – Boreal forest gravelly slopes

Subalpine life zone

I. Occurs on hills, plains, and mountains ... R234XY702AK – Subalpine scrub gravelly slopes

Alpine life zone

I. Occurs on hills, plains, and mountains

A. Water table present within 10 inches of the soil surface, poorly drained soils ... R234XY702AK – Subalpine scrub
gravelly slopes

B. Water table absent, well-drained soils

1 Associated with calcareous parent material. High soil pH, alkaline soils ... R234XY704AK – Alpine scrub
gravelly alkaline slopes

2 Associated with non-calcareous parent material. Low to neutral soil pH ... R234XY705AK – Alpine dwarf scrub
gravelly slopes