

Major Land Resource Area 233X

Upper Kobuk and Koyukuk Hills and Valleys

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Ecological site keys

Boreal Life Zone - MLRA 233X - Upper Kobuk and Koyukuk Hills and Valleys

- I. The site occurs on a drainageways, flood plain, or stream terrace.
 - A. The site occurs on flood plains. Flooding happens at least one time in one hundred years.
 - 1 Depressions. Often with ≥ 40 cm of saturated organic material ... R233XY207AK – Boreal Sedge Peat Depressions
 - 2 not as above, level surfaces.
 - i. Low floodplain; frequent flooding, shrubby communities ... R233XY130AK – Boreal Scrubland Gravelly Flood plain
 - ii. high flood plain; occasional to rare flooding. Comparatively drier soils with more productive stands of trees ... F233XY131AK – Boreal Forest Gravelly Floodplain
 - B. This site occurs on stream terraces. No flooding in one hundred years. Thermokarst is common. ... F233XY171AK – Boreal Woodland Loamy Frozen Terraces
- II. This site occurs on sloping landforms like hills, plains, and mountains.
 - A. This site occurs on cold slopes with permafrost. Cold slopes are northwest to east facing slopes, occur in shaded slope positions, and/or occur in low-lying areas that are cold air sinks.
 - 1 broad slopes, commonly summits and footslopes. Supports mixed shrub-sedge tussock bog
 - 2 Not as above, supports woodlands and forests.
 - i. Under the surface peat layer, there is deep, frozen silts. ... F233XY111AK – Boreal Forest Loamy Frozen Slopes
 - ii. Under the surface peat layer, there is gravelly, frozen soils. ... F233XY160AK – Boreal Forest Gravelly Frozen Slopes
 - B. This site occurs on warm slopes without permafrost. Warm slopes are southeast to west facing slopes, moderate to very steep ($>10\%$ slope), and are not shaded by the surrounding landscape.
 - 1 Dry soils, commonly well drained. Supports more productive stands of white spruce. ... F233XY182AK – Boreal Forest Gravelly Slopes
 - 2 Moist soils, commonly somewhat poorly drained. Supports less productive stands of white spruce. ... F233XY183AK – Boreal Forest Gravelly Moist Slopes