

# Major Land Resource Area 232X

## Yukon Flats Lowlands

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### Ecological site keys

#### Yukon Flats Lowlands MLRA - Lowlands, Land Resource Unit

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- I. The soils have 40+ cm of organic material.
  - A. The organic material is highly acidic (i.e. ultra to strongly acidic, < 5.6 pH). ...  
XA232X01Y201 – Boreal Woodland Peat Frozen Terraces
  - B. Not as above. ... XA232X01Y207 – Boreal Herbaceous Peat Flood Plain Depressions
- II. The soils have less than 40 cm of organic material.
  - A. The site occurs on a flood plain.
    - 1 The site occurs in a closed flood plain depression.
      - i. Frequent ponding with long ponding duration. Soils are considered poorly drained. Ponding generally occurs in early growing season. ... XA232X01Y205 – Boreal Grass Loamy Flood Plain Depressions
      - ii. Depression edge. Less frequent and shorter ponding duration than above. ...  
XA232X01Y206 – Boreal Scrub Loamy Frozen Flood Plain Depressions
    - 2 All other positions.
      - i. Low gradient and low volume, small order streams. Deep loamy soils (e.g. The Forks). ... XA232X01Y280 – Boreal Scrub Loamy Flood Plain Wet
      - ii. Not as above (e.g. Yukon and Porcupine Rivers).
        - a. The site experiences frequent flooding (floods greater than 50 times in 100 years). Low flood plain positions. ... XA232X01Y200 – Boreal Scrub Loamy Flood Plain Low
        - b. Not as above. Occasional flooding (5-50 times in 100 years).
          - 1) Occasional flooding with long flood duration. Middle flood plain positions. ... XA232X01Y202 – Boreal Forest Loamy Flood Plain Middle
          - 2) Occasional flooding, with brief flood duration. High flood plain positions. ... XA232X01Y204 – Boreal Forest Loamy Flood Plain High
  - B. The site occurs on a stream terrace.
    - 1 The site occurs in a depression.

- i. The site occurs in a swale or drainageway.
  - a. The site occurs in a swale. ... XA232X01Y229 – Boreal Scrub Loamy Terrace Swales
  - b. The site occurs in a drainageway. ... XA232X01Y212 – Boreal Sedge Peat Terrace Depressions
- ii. The site occurs in a closed depression.
  - a. The site typically occurs in the depression center. The soils pond frequently for brief durations of time and often have sodic soil properties. ... XA232X01Y222 – Boreal Graminoid Loamy Terrace Depressions
  - b. The site typically occurs on the edge of depressions. Ponding occurs occasionally for brief durations. ... XA232X01Y223 – Boreal Scrub Loamy Frozen Terrace Depressions

2 Not as above.

- i. The site occurs on a dune. ... XA232X01Y224 – Boreal Woodland Sandy Terrace Rises
- ii. Not as above.
  - a. Sand and gravel occurs at very shallow depth (0-25 cm) in the soil profile and soils are considered somewhat excessively drained. ... XA232X01Y250 – Boreal Woodland Gravelly Terraces Dry
  - b. Not as above.
    - 1) well to somewhat poorly drained soils; no ponding; water table either not present or at moderate to deep depths for majority of growing season.
      - a) Well-drained soils; no seasonal water table. ... XA232X01Y221 – Boreal Forest Loamy Terraces
      - b) somewhat poorly to moderately well drained soils. Seasonal water table generally occurs during the early growing season but drops out of the soil or occurs at moderate to deep depths for the majority of the growing season. ... XA232X01Y219 – Boreal Forest Loamy Terraces Moist
    - 2) wetter soils than above; soils prone to ponding; very shallow to shallow water table for much of the growing season.
      - a) The soils have sandy-gravelly material at very shallow to shallow depths (0-50 cm)? ... XA232X01Y262 – Boreal Woodland Gravelly Terraces
      - b) Not as above.
        - (1) Very poorly drained soils. Ponding frequent, with very long durations. ... XA232X01Y209 – Boreal Tussock Loamy Frozen Terraces

(2) Somewhat poorly to poorly drained soils. Less frequent ponding than above. ... XA232X01Y218 – Boreal Woodland Loamy Frozen Terraces