

Major Land Resource Area 237X Ahklun Mountains

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Ecological site keys

AK637

I. Miscellaneous Areas - unvegetated

II. Vegetated Areas - supports an ecological site

A. Western Maritime, High Elevation (Uplands, Mountains)

1 Summits, Shoulders, Upper Mtn Backslopes

- i. **Summits & Shoulders - shallow to lithic contact, no glacial parent material** ... R237XY217AK – Western Alaska Maritime Dwarf Scrubland Gravelly Slopes, High Elevation
- ii. **Summits & Shoulders - Moderately deep to lithic contact, glacial parent material present.** R237XY217AK
- iii. **Very Steep Backslopes - high elevation, very gravelly** ... R237XY219AK – Western Alaska Maritime Dwarf Scrubland Gravelly Slopes, Very Steep

2 **Backslopes & Foothlopes - concave upper backslopes and foothlopes on upper third of mountains** ... R237XY218AK – Western Alaska Maritime Dwarf Scrubland Gravelly Slopes, Concave

3 **Drainageways - upper third of mountain slopes (alpine), slope alluvium, gravelly soil** ... R237XY206AK – Western Alaska Maritime Dwarf Scrubland Loamy Drainage, High Elevation

4 **Swales - upper third of mountain slopes (alpine), slope alluvium** ... R237XY205AK – Western Alaska Maritime Scrubland Loamy Swales

B. Western Maritime, Low Elevation

1 Uplands

i. Plains and Terraces

a. **Depressions** ... R237XY208AK – Western Alaska Maritime Scrubland Peat Depressions

b. Undulating and Rolling Landforms

1) **Convex Positions & High Linear positions shallow to sandy-skeletal material (well drained soil)** ... R237XY201AK – Western Alaska Maritime Scrubland Gravelly Slopes

2) **Linear positions (well-drained soils), short slope length** ... R237XY204AK – Western Alaska Maritime Scrubland Loamy Slopes

3) **Swales (Concave positions).** R237XY205AK

c. **Outwash Plains (slightly convex) ... R237XY215AK** – Western Alaska Maritime Scrubland
Loamy Plains

d. Linear Landforms

1) Earth hummocks present

a) **Mosaic hummocks (microtopography creates unique veg communities on tops and bottoms of hummocks) ...**

R237XY220AK – Western Alaska Maritime Mosaic Loamy Hummocks

b) **Non-mosaic hummocks ... R237XY222AK** – Western Alaska Maritime Scrubland

Loamy Hummocks

e. **Talf - adjacent to rises. R237XY230AK**

ii. Mountains & Hills

a. Alluvial Fans

b. Backslopes

1) Linear to concave, center and upper third slopes ... R237XY202AK – Western Alaska Maritime
Mosaic Gravelly Slopes

2) Convex to linear slopes, center and upper third slopes. R237XY204AK

c. Footslopes & Toeslopes

1) Swales. R237XY205AK

2) Linear to Concave slopes ... R237XY230AK – Western Alaska Maritime Scrubland Silty
Plains and Mountain Slopes, Lower

3) Convex to Concave Slopes, not a swale

a) **Proximal to northern three-quarters of Togiak Lake ... F237XY221AK** – Boreal Woodland
Loamy Slopes

b) **Linear to Concave sites. R237XY202AK**

c) **Convex sites. R237XY204AK**

d. Summits & Shoulders, upper third of slopes

2 Lowlands

i. Drainageways - steep escarpments; gravelly, well-drained soils ... R237XY203AK – Western Alaska
Maritime Scrubland Gravelly Drainage, Escarpment

ii. Floodplains

a. Low Floodplain - frequent flooding, often confined by escarpments ... R237XY210AK – Western Alaska
Maritime Scrubland Gravelly Flood Plains

b. Mid Floodplain - occasional flooding, moderately well to well drained ... R237XY211AK – Western
Alaska Maritime Scrubland Loamy Flood Plains

c. Mid Floodplain - occasional flooding, somewhat poorly to poorly drained ... R237XY212AK – Western
Alaska Maritime Scrubland Silty Flood Plains

d. Mid to High Floodplain along Izaveiknik River - occasional to rare flooding ... F237XY216AK – Boreal
Woodland Loamy Flood Plains

e. Broad Floodplain / Terrace - no to rare flooding. F237XY212AK

f. Depressions on Floodplain

1) **Organic depression. R237XY208AK**

2) **Mineral depression ... R237XY226AK** – Western Alaska Maritime Grassland Peat Flood Plains, Depression

iii. Discharge Slopes, Fans, Seeps on Mountains ... F237XY239AK – Boreal Forest Loamy Slopes

iv. Shore Complexes

a. Depressions. R237XY208AK

b. Talf ... R237XY236AK – Western Alaska Maritime Graminoid Peat Plains

c. Rises

1) **Windward side of berm, proximal to bay ... R237XY223AK** – Western Alaska Maritime Graminoid Gravelly Plains, Berms

2) **Leeward side of berm, set back from bay ... R237XY224AK** – Western Alaska Maritime Scrubland Gravelly Plains, Berms

MLRA 237 Key - PES project

I. Western Alaska Maritime Climate Zone

A. High Elevation (Uplands & Mountains)

1 Summits, Shoulders and Mountain Slopes

i. Summits and Shoulders

a. Permafrost present - unsorted circles possible ... R237XY251AK – Western Alaska Alpine Dwarf Scrubland, Unsorted Circles

b. Permafrost absent ... R237XY217AK – Western Alaska Maritime Dwarf Scrubland Gravelly Slopes, High Elevation

ii. Mountain Slopes

a. Convex to linear slopes - very steep, very gravelly soil ... R237XY219AK – Western Alaska Maritime Dwarf Scrubland Gravelly Slopes, Very Steep

b. Concave to linear slopes; mountain flanks and mountain bases ... R237XY218AK – Western Alaska Maritime Dwarf Scrubland Gravelly Slopes, Concave

2 Concave Microfeatures on Mountain Slopes

i. Drainageways - upper third of mountain slopes, slope alluvium and gravelly soil ... R237XY206AK – Western Alaska Maritime Dwarf Scrubland Loamy Drainage, High Elevation

ii. Swales - upper third of mountain slopes (alpine), slope alluvium ... R237XY205AK – Western Alaska Maritime Scrubland Loamy Swales

B. Low Elevation

1 Uplands

i. Plains

a. Depressions ... R237XY208AK – Western Alaska Maritime Scrubland Peat
Depressions

b. Other Landforms

1) Non-Linear Landforms

a) Outwash Plains ... R237XY215AK – Western Alaska Maritime Scrubland Loamy
Plains

b) Other Landforms

(1) Concave to linear slopes, including swales ... R237XY205AK – Western Alaska
Maritime Scrubland Loamy Swales

(2) Convex and linear upper slope positions; well drained soil ... R237XY201AK – Western
Alaska Maritime Scrubland Gravelly Slopes

2) Linear Landforms

a) Earth hummocks present

(1) Mosaic hummocks ... R237XY220AK – Western Alaska Maritime Mosaic
Loamy Hummocks

(2) Non-mosaic hummocks ... R237XY222AK – Western Alaska Maritime
Scrubland Loamy Hummocks

b) No earth hummocks present

(1) Undulating drift plains - short slope lengths, well drained soil ... R237XY204AK – Western
Alaska Maritime Scrubland Loamy Slopes

(2) Talf ... R237XY230AK – Western Alaska Maritime Scrubland Silty Plains
and Mountain Slopes, Lower

ii. Mountains and Hills

a. Mountain and Hill Slopes

1) Drainageway ... R237XY255AK – Western Alaska Maritime Tall Scrubland
Mountain and Hill Drainageways

2) Other

a) Backslopes, shoulders & center to upper third mountain flanks

(1) Slopes with earth hummocks ... R237XY256AK – Western Alaska Maritime
Tussock-Scrub Mountain Slopes, Hummocked

(2) Slopes without earth hummocks

(a) Concave to linear slope shape (Colluvial backslopes) ... R237XY202AK – Western
Alaska Maritime Mosaic Gravelly Slopes

(b) **Convex to linear slope shape (more stable slope position) ... R237XY204AK – Western Alaska Maritime Scrubland Loamy Slopes**

b) Footslopes, toeslopes, lower backslopes and mountain bases

(1) **Swales ... R237XY205AK – Western Alaska Maritime Scrubland Loamy Swales**

(2) **Other**

(a) **Moderately well drained soil (linear to concave slopes) ... R237XY230AK – Western Alaska Maritime Scrubland Silty Plains and Mountain Slopes, Lower**

(b) **Well to excessively well drained soil (convex to concave slopes)**

(1) **Proximal to northern three-quarters of Togiak Lake ... F237XY221AK – Boreal Woodland Loamy Slopes**

(2) **Not proximal to northern three-quarters of Togiak Lake**

(a) **Linear to concave slopes ... R237XY202AK – Western Alaska Maritime Mosaic Gravelly Slopes**

(b) **Linear to convex sites ... R237XY204AK – Western Alaska Maritime Scrubland Loamy Slopes**

b. Other Mountain and Hill Landforms

1) Alluvial fans

a) **Shallow to root restrictive layer ... F237XY221AK – Boreal Woodland Loamy Slopes**

b) **Very deep to root restrictive layer ... F237XY239AK – Boreal Forest Loamy Slopes**

2) Saddles - earth hummocks present ... R237XY256AK – Western Alaska Maritime Tussock-Scrub Mountain Slopes, Hummocked

2 Lowlands

i. Flood Plains and Coastal Plains

a. Flood Plains & Terraces

1) Flood Plains & Terraces - linear slopes

a) Flood Plain

(1) **Flood Plain along Izaveiknik River - mid to high floodplain ... F237XY216AK – Boreal Woodland Loamy Flood Plains**

(2) **Other Flood Plains**

(a) **Low Flood Plains**

(1) **Proximal to river system, frequent flooding ... R237XY210AK – Western Alaska Maritime Scrubland Gravelly Flood Plains**

(2) **Distal from river system, less than frequent flooding ... R237XY268AK – Western Alaska Maritime Scrubland on Low Flood Plains, distal from river**

(b) **Mid Flood Plains**

(1) **Moderately well to well drained soil** ... R237XY211AK – Western Alaska
Maritime Scrubland Loamy Flood Plains

(2) **Somewhat poorly to poorly drained soil** ... R237XY212AK – Western Alaska
Maritime Scrubland Silty Flood Plains

b) Terrace

(1) **Hummocks absent** ... R237XY212AK – Western Alaska Maritime Scrubland
Silty Flood Plains

(2) **Hummocks present** ... R237XY257AK – Western Alaska Maritime Low Scrub
Flood Plain Terrace, Hummocks

2) Microfeatures on Flood Plains & Terraces - concave

a) Depressions on Flood Plains

(1) **Scrub wetland, very poorly drained** ... R237XY208AK – Western Alaska Maritime
Scrubland Peat Depressions

(2) **Herbaceous wetland (grassland) - permanent water table, very long ponding** ... R237XY226AK –
Western Alaska Maritime Grassland Peat Flood Plains, Depression

b) Oxbow Lake ... R237XY258AK – Western Alaska Maritime Sedge-Shrub
Oxbow Lakes

b. Coastal Plains

1) Shore Complex

a) Berms

(1) **Windward side of berm, proximal to bay** ... R237XY223AK – Western Alaska
Maritime Graminoid Gravelly Plains, Berms

(2) **Leeward side of berm, distal from bay** ... R237XY224AK – Western Alaska Maritime
Scrubland Gravelly Plains, Berms

b) Other (not a rise)

(1) **Depression** ... R237XY208AK – Western Alaska Maritime Scrubland Peat
Depressions

(2) **Talf** ... R237XY236AK – Western Alaska Maritime Graminoid Peat Plains

2) Not a Shore Complex

a) Tidal Flats ... R237XY254AK – Western Alaska Maritime Grassland Tidal
Flats, Subaqueous

b) Flood Plain ... R237XY264AK – Western Alaska Maritime Tall Shrub Coastal
Flood Plain

ii. Other Landforms

a. Discharge Slopes & Seeps on Mountains ... F237XY239AK – Boreal Forest Loamy Slopes

**b. Drainageways - steep escarpments, gravelly, well drained soil ... R237XY203AK – Western Alaska
Maritime Scrubland Gravelly Drainage, Escarpment**

II. Boreal Climate Zone

**A. Rounded Mountains - subalpine, linear to concave, backslopes to footslopes ... F237XY259AK – Boreal Subalpine
Woodland on Slopes of Rounded Mountains**

B. Rugged Mountains

1 Alpine and Subalpine

i. Alpine

**a. Summits and Shoulders - Convex ... R237XY270AK – Boreal Alpine Dwarf Scrub Mountain
Summits and Shoulders, Convex**

**b. Summits and Shoulders - Linear ... R237XY260AK – Boreal Alpine Tussock Mountain
Summits and Shoulders, Linear**

**ii. Subalpine - linear to concave backslopes and footslopes ... F237XY265AK – Boreal Subalpine
Woodland on Slopes of Rugged Mountains**

2 Other

i. Backslopes and Footslopes

**a. Linear to Convex slopes ... F237XY261AK – Boreal Forest Mountain Backslopes and
Footslopes, Linear to Convex**

**b. Linear to Concave slopes ... F237XY262AK – Boreal Forest Mountain Backslopes and
Footslopes, Linear to Concave**

ii. Drainageways ... F237XY263AK – Boreal Woodland Mountain Drainageway