

# Major Land Resource Area 240X

## Nulato Hills-Southern Seward Peninsula Highlands

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### Ecological site keys

#### AK630\_MLRA 240 only

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#### I. Maritime

##### A. Coastal Plains

1 Berms ... R240XY136AK – Meadow Coastal Plain Berm

##### 2 Talfs

i. Scrub Coastal Plain ... R240XY135AK – Open Scrub Coastal Plains

ii. Grass Tidal Plains and Depressions ... R240XY139AK – Grassland Coastal Plain Talf and Tidal Flats

##### B. All Other Landforms

##### 1 Plains

i. Lava Flow (or Proximal to Lava Flow)

##### a. Lava Flow

1) Lava flow ... R240XY151AK – Dwarf Ericaceous Scrub Relict Lava Flows

2) Swale on lava flow ... R240XY150AK – Tall Scrub Lava Flow Swales and Low Mountain Slopes, dry

##### b. Proximal to lava flow

1) Boulder field - well drained ... R240XY155AK – Dwarf Scrub Boulder Fields

2) Tussock tundra - poorly drained ... R240XY166AK – Grassland Tundra Plain, wet

ii. Other Landforms

a. Polygonal ground ... R240XY169AK – Open Scrub Polygonal Ground

b. Non-polygonal ground

1) Concave landforms

a) Organic soil - swale, drainageway, depression ... R240XY162AK – Grassland Swales and Drainageways

b) Mineral soil

(1) Drainageway ... R240XY160AK – Closed Scrub  
Drainageway, mineral

(2) Swale ... R240XY161AK – Open Scrub Swale, mineral

2) Linear and Convex landforms and microfeatures

a) Plain talf ... R240XY166AK – Grassland Tundra Plain, wet

b) Peat mounds ... R240XY162AK – Grassland Swales and  
Drainageways

2 Mountains and Hills

i. Dunes and Sandy Ridges

ii. All Other Landforms

a. Hills and Low Elevation Mountains

1) Volcanic Cones

a) Backslopes, warm ... R240XY153AK – Open Scrub Volcano  
Cone Backslopes, warm

b) Backslopes and shoulders, moist ... R240XY180AK – Mosaic Tall  
Mountain Slopes and Volcano Cone Backslopes, cool

2) Slopes - broad, bedrock controlled

a) Upper Mountain Sites - summits, shoulders, upper backslopes &  
saddles

(1) Summits & Shoulders

(a) Summits ... R240XY183AK – Alpine Open Dwarf Scrub  
Tall Mountain Upper Slopes, cool

(b) Shoulders ... R240XY182AK – Alpine Open Dwarf Scrub  
Mountain Tops

(2) Upper Backslopes and Saddles

(a) Slopes

(1) Upper Backslopes

(a) Dry slopes

(1) Linear ... R240XY181AK – Subalpine Closed  
Low Scrub Tall Mountain Slopes

(2) Exposed ... R240XY186AK – Subalpine Open  
Low Scrub Tall Mountain Upper Backslopes

(b) Moist slopes ... R240XY150AK – Tall Scrub Lava  
Flow Swales and Low Mountain Slopes, dry

(2) Saddles ... R240XY168AK – Open Scrub Low  
Mountain Saddles and Slopes, moist

(b) Slope microfeatures: depressions & mounds ...

R240XY162AK – Grassland Swales and Drainageways

b) Other Slopes

(1) Drainageway & associated flood plain ... R240XY160AK –  
Closed Scrub Drainageway, mineral

(2) Slopes

(a) Backslopes and Noseslopes

(1) Lower elevation - alder slopes

(a) Dryer sites ... R240XY150AK – Tall Scrub Lava  
Flow Swales and Low Mountain Slopes, dry

(b) Moist sites ... R240XY180AK – Mosaic Tall  
Mountain Slopes and Volcano Cone Backslopes, cool

(2) Higher elevations - ericaceous scrub

(a) Dry sites ... R240XY181AK – Subalpine Closed  
Low Scrub Tall Mountain Slopes

(b) Moist sites ... R240XY168AK – Open Scrub Low  
Mountain Saddles and Slopes, moist

(b) Headslopes and Footslopes

(1) Boulders present ... R240XY155AK – Dwarf Scrub  
Boulder Fields

(2) Boulders absent

(a) Forest sites

(b) Scrub sites

(1) Swales and Narrow Headslopes ...  
R240XY172AK – Open Scrub Low Mountain  
Headslopes and Swales

(2) Headslopes of wide valley ... R240XY173AK –  
Closed Scrub Low Mountain Footslopes and Wide  
Headslopes

b. High Elevation Mountains

1) Summits, Shoulders and Upper Backslopes

a) Alpine

(1) Summits ... R240XY183AK – Alpine Open Dwarf Scrub Tall  
Mountain Upper Slopes, cool

(2) Other Landforms

(a) Shoulders

(1) Warm Slopes ... R240XY185AK – Alpine Lichen-  
Scrub Tall Mountain Shoulders, warm

(2) Cold slopes ... R240XY184AK – Alpine Open Scrub  
Tall Mountain Tops, rocky

(b) Upper Backslopes ... R240XY182AK – Alpine Open  
Dwarf Scrub Mountain Tops

b) Subalpine

(1) Permafrost absent ... R240XY181AK – Subalpine Closed  
Low Scrub Tall Mountain Slopes

(2) Permafrost present ... R240XY168AK – Open Scrub Low  
Mountain Saddles and Slopes, moist

2) Other Mountain Positions

a) Drainageways

(1) Heather scrub valley terrace

(2) Willow drainage - poorly drained

b) Backslopes

(1) Very steep slope ... R240XY186AK – Subalpine Open Low  
Scrub Tall Mountain Upper Backslopes

(2) Slopes less than 45%

(a) Linear to convex slope ... R240XY186AK – Subalpine  
Open Low Scrub Tall Mountain Upper Backslopes

(b) Linear to concave slope

(1) Wetter sites - swales and concave lower backslopes  
... R240XY187AK – Closed Tall Scrub Tall Mountain  
Backslopes, concave

(2) Drier sites - linear to concave mid backslopes ...  
R240XY180AK – Mosaic Tall Mountain Slopes and  
Volcano Cone Backslopes, cool