

Ecological site group ESG048A31

Loamy Uplands

Last updated: 06/01/2022
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Key Characteristics

- Uplands
- <75% bedrock outcrop
- Surface SAR <8, or Subsurface EC <8, or Surface EC <4
- Gypsum <5% surface and <10% subsurface
- EC <1.5 surface or <2 subsurface
- slope <35% or <40% surface rock
- depth >55cm
- Rock <30% surface and <30% subsurface
- Clay <30% surface and <35% subsurface
- sand <75% or texture is Loamy Fine Sand or finer in surface & subsurface
- Clay <20% or texture is Sandy Loam or sandier in surface - 993 soil components
- Uplands
- <75% bedrock outcrop
- Gypsum <5% surface, gypsum <10% subsurface, surface SAR <8, subsurface EC <8, and surface EC <4.
- EC<1.5 surface or <2 subsurface
- Soil not steep, rocky, or shallow
- Clay >30% surface or >35% subsurface
- sand <75% or texture is Loamy Fine Sand or finer in surface & subsurface
- Clay <20% or texture is Sandy Loam or sandier in surface - 993 soil components

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Physiography

This ESG is located on mountain slopes, hills, and moraines.

Soil features

This ESG is characterized by clay<20% or texture is sandy loam or sandier in surface.

Vegetation dynamics

The modal ecological site for this ESG is F048AY918CO - Spruce-Fir Woodland.

Major Land Resource Area

MLRA 048A
Southern Rocky Mountains

Subclasses

- F048AY449CO—Aspen Woodland

- F048AY457UT–Mountain Stony Loam (Ponderosa pine)
- F048AY475UT–Mountain Very Steep Stony Loam (Douglas Fir)
- F048AY506UT–High Mountain Loam (Aspen)
- F048AY509UT–High Mountain Loam (Douglas-Fir)
- F048AY523UT–High Mountain Stony Loam (Douglas Fir)
- F048AY524UT–High Mountain Stony Loam (Engelmann Spruce)
- F048AY530UT–High Mountain Very Steep Loam (Douglas Fir)
- F048AY908CO–Mixed Conifer
- F048AY912CO–Lodgepole Pine
- F048AY915CO–Engelmann Spruce – Whortleberry– Jacob's-Ladder
- F048AY917CO–Abies lasiocarpa/Paxistima myrsinites/Erigeron eximius
- F048AY918CO–Spruce-Fir Woodland
- F048AY919CO–Subalpine Fir/Blueberry/Twinflower
- F048AY924CO–Douglas Fir/Gambel Oak
- F048AY925CO–Ponderosa Pine Forest
- R048AA228CO–Mountain Loam Gunnison Basin LRU
- R048AA241CO–Mountain Meadow Gunnison Basin LRU
- R048AA245CO–Mountain Swale Gunnison Basin LRU
- R048AA250CO–Subalpine Loam Gunnison Basin LRU
- R048AY002NM–Mountain Grassland
- R048AY003NM–Mountain Valley
- R048AY004NM–Mountain Loam
- R048AY006NM–Mountain Meadow
- R048AY006UT–Semiwet Fresh Streambank
- R048AY007NM–Mountain Shale
- R048AY010NM–Pine Grassland
- R048AY010UT–Wet Fresh Streambank (Willow)
- R048AY011NM–Subalpine Grassland Dry
- R048AY122WY–Mountain Loam
- R048AY222CO–Loamy Park
- R048AY226CO–Mountain Loam 13-18 PZ Westcliffe Area
- R048AY228CO–Mountain Loam
- R048AY229CO–Rocky Loam
- R048AY230CO–Shallow Loam
- R048AY231CO–Dry Mountain Loam
- R048AY237CO–Stony Loam
- R048AY238CO–Brushy Loam
- R048AY241CO–Mountain Meadow
- R048AY245CO–Mountain Swale
- R048AY250CO–Subalpine Loam
- R048AY252CO–Subalpine Clay
- R048AY255CO–Pine Grasslands
- R048AY272CO–Sandy Bench
- R048AY287CO–Stony Foothills
- R048AY292CO–Deep Loam
- R048AY303CO–Loamy Slopes
- R048AY304CO–Alpine Slopes
- R048AY305CO–Alpine Meadow
- R048AY306CO–Shrubby Alpine
- R048AY306UT–Upland Loam (Wyoming Big Sagebrush)
- R048AY308CO–Shallow Alpine
- R048AY311CO–Mountain Outwash
- R048AY316CO–Dry Mountain Outwash
- R048AY405UT–Mountain Loam (Mountain Big Sagebrush)
- R048AY410UT–Mountain Loamy Bottom (Basin Wildrye)
- R048AY415UT–Mountain Loam (Oak)
- R048AY417UT–Mountain Loam (Ponderosa Pine)
- R048AY448UT–Mountain Stony Loam (Mountain Big Sagebrush)

- R048AY465UT–Mountain Very Steep Loam (Oak)
- R048AY503UT–High Mountain Clay

Correlated Map Unit Components

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Stage

Provisional

Contributors

Travis Nauman

State and transition model

Citations