Ecological site group ESG048A24
Saline 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 - 42 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 - 42 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.

Soil features

This ESG is characterized by EC >1.5 surface or >2 subsurface.

Vegetation dynamics

The modal ecological site for this ESG is R048AY231CO - Dry Mountain Loam Gunnison Basin LRU.

Major Land Resource Area

MLRA 048A
Southern Rocky Mountains

Subclasses

- F048AY475UT–Mountain Very Steep Stony Loam (Douglas Fir)
- R048AA231CO–Dry Mountain Loam Gunnison Basin LRU
- R048AY013NM–Mountain Slopes
- R048AY247CO–Deep Clay Loam
- R048AY306UT–Upland Loam (Wyoming Big Sagebrush)
- R048AY322UT–Upland Shallow Loam (Two-Needle Pinyon / Utah Juniper)
- R048AY342UT–Upland Very Steep Shallow Loam (Pinyon-Utah Juniper)
- R048AY366UT–Upland Very Steep Loam (Salina Wildrye)
- R048AY405UT–Mountain Loam (Mountain Big Sagebrush)
- R048AY415UT–Mountain Loam (Oak)
- R048AY449UT–Mountain Stony Loam (Black sagebrush)
- R048AY465UT–Mountain Very Steep Loam (Oak)

Correlated Map Unit Components

21276877, 21276780, 21276815, 21979137, 21981770, 21407070, 21408158, 21825776, 21820408, 21820411, 21820490, 21819963, 21819967, 21866146, 21866145, 21866213, 21866858, 21866469, 21866688, 21866689, 21866960, 21866581, 21866852, 21866945, 21910660, 21910663, 21910664, 21910666, 21910723, 21910726, 21910729, 21910835, 21910838

Stage

Provisional

Contributors

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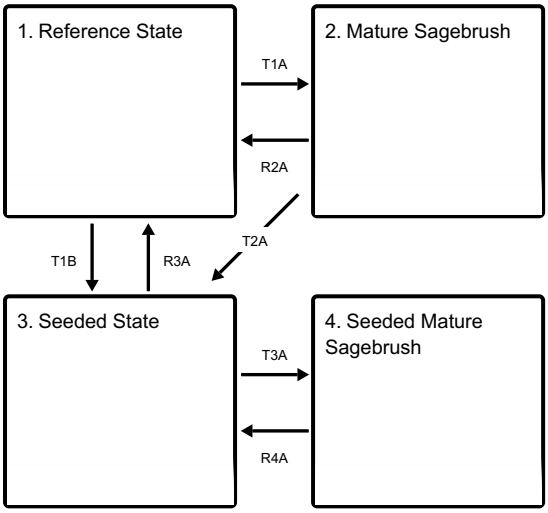
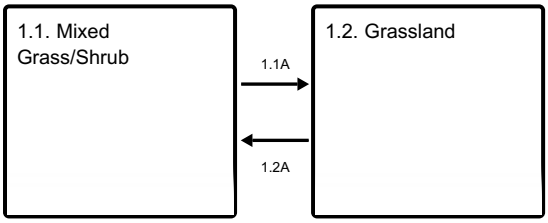
State and transition model

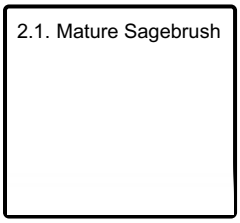
Ecosystem states



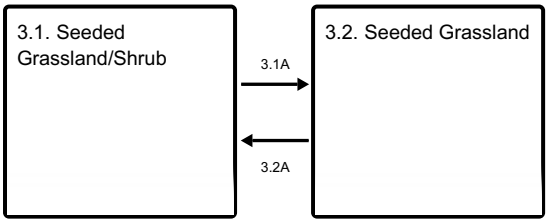
State 1 submodel, plant communities



State 2 submodel, plant communities



State 3 submodel, plant communities



State 4 submodel, plant communities

4.1. Mature Sagebrush with Seeded Species

State 1
Reference State

Community 1.1
Mixed Grass/Shrub

Bluebunch wheatgrass, needlegrasses, other grasses, and forbs co-dominant with Wyoming big sagebrush.

Community 1.2
Grassland

Bluebunch wheatgrass, needlegrasses, other grasses, forbs, and shrubs. Wyoming big sagebrush canopy cover low.

Pathway 1.1A
Community 1.1 to 1.2

fire, proper grazing, wet climatic cycles, vegetative treatments, and/or small scale insect/pathogen outbreaks

Pathway 1.2A
Community 1.2 to 1.1

extended improper grazing, lack of fire, extended drought, time without disturbance, and/or lack of insect/pathogen outbreaks

State 2
Mature Sagebrush

Community 2.1
Mature Sagebrush

Old stands of Wyoming big sagebrush with high canopy cover. Reduced understory. Grasses located under shrubs. Active soil loss.

State 3
Seeded State

Community 3.1
Seeded Grassland/Shrub

Seeded grass species, shrubs (high canopy cover), pioneering native grasses, and forbs.

Community 3.2
Seeded Grassland

Seeded grass species and other pioneering native grasses, shrubs, and forbs.

Pathway 3.1A

Community 3.1 to 3.2

fire, proper grazing, wet climatic cycles, vegetative treatments, and/or small scale insect/pathogen outbreaks

Pathway 3.2A
Community 3.2 to 3.1

extended improper grazing, lack of fire, extended drought, time without disturbance, and/or lack of insect/pathogen outbreaks

State 4
Seeded Mature Sagebrush

Community 4.1
Mature Sagebrush with Seeded Species

Old stands of Wyoming big sagebrush with high canopy cover. Very sparse understory. Grasses located under shrubs. Active soil loss.

Transition T1A
State 1 to 2

extended improper grazing, lack of fire, extended drought, time without disturbance, and/or lack of insect/pathogen outbreaks

Transition T1B
State 1 to 3

seeded herbaceous species plants and/or shrub removal

Restoration pathway R2A
State 2 to 1

fire, vegetation treatments, insect herbivory, drought, proper grazing, wet climatic cycles, and/or encroached shrub removal

Transition T2A
State 2 to 3

seeded herbaceous species planted and/or shrub removal

Restoration pathway R3A
State 3 to 1

intensive management and inputs may be required to return to reference state, wet climatic years, native plantings, vegetative treatments, proper grazing, and/or fire

Transition T3A
State 3 to 4

extended improper grazing, lack of fire, extended drought, time without disturbance, and/or lack of insect/pathogen outbreaks

Restoration pathway R4A
State 4 to 3

fire, proper grazing, wet climatic cycles, vegetative treatments, and/or small scale insect/pathogen outbreaks

Citations