

# Ecological site group 047XESG04

## Deep Rocky

Last updated: 05/01/2023  
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### Key Characteristics

- Uplands
- <75% bedrock outcrop
- Surface SAR <8 and Subsurface EC <8 and Surface EC <4
- EC <1.5 surface and <2 subsurface
- Slope <35% or <40% surface rock
- Depth >55cm
- Rock >30% surface or >30% subsurface

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 and hillslopes.

### Vegetation dynamics

The modal ecological site for this ESG is R047XA461UT Mountain Stony Loam (mountain big sagebrush).

### Major Land Resource Area

MLRA 047X

Wasatch and Uinta Mountains

### Subclasses

- F047XA508UT–High Mountain Loam (quaking aspen)
- F047XA512UT–High Mountain Loam (Douglas-fir)
- F047XA531UT–High Mountain Stony Loam (quaking aspen)
- F047XA532UT–High Mountain Stony Loam (Douglas-fir)
- F047XA533UT–High Mountain Stony Loam (mixed conifer)
- F047XA610UT–Subalpine Gravelly Loam (subalpine fir/Engelmann spruce)
- F047XB512UT–High Mountain Loam (Douglas-fir)
- F047XC512UT–High Mountain Stony Loam (Douglas-fir)
- F047XC541UT–High Mountain Very Steep Stony Loam (Douglas-fir)
- R047XA004UT–Interzonal Cold Semi-wet Fresh Meadow (meadow sedge/tufted hairgrass)
- R047XA006UT–Semi-wet Fresh Streambank (narrowleaf cottonwood)
- R047XA016UT–Loamy Bottom (basin wildrye)
- R047XA305UT–Upland Stony Loam (Utah juniper)
- R047XA308UT–Upland Loam (basin big sagebrush)
- R047XA332UT–Upland Stony Loam (black sagebrush)
- R047XA334UT–Upland Stony Loam (mountain big sagebrush)
- R047XA336UT–Upland Stony Loam (pinyon/Utah juniper)
- R047XA338UT–Upland Stony Loam (Wyoming big sagebrush)
- R047XA406UT–Mountain Gravelly Loam (mountain big sagebrush)

- R047XA408UT–Mountain Gravelly Loam (Douglas-fir)
- R047XA410UT–Mountain Gravelly Loam (oak)
- R047XA416UT–Mountain Loamy Bottom (basin big sagebrush)
- R047XA418UT–Mountain Loam (bigtooth maple)
- R047XA430UT–Mountain Loam (mountain big sagebrush)
- R047XA432UT–Mountain Loam (oak)
- R047XA434UT–Mountain Loam (shrub)
- R047XA438UT–Mountain Shallow Loam (black sagebrush)
- R047XA454UT–Mountain Stony Clay (slender wheatgrass)
- R047XA456UT–Mountain Stony Loam (antelope bitterbrush)
- R047XA458UT–Mountain Stony Loam (quaking aspen thicket)
- R047XA460UT–Mountain Stony Loam (browse)
- R047XA461UT–Mountain Stony Loam (mountain big sagebrush)
- R047XA463UT–Mountain Stony Loam (Gambel oak)
- R047XA465UT–Mountain Stony Loam (Rocky Mountain juniper)
- R047XA471UT–Mountain Very Steep Stony Loam (oak)
- R047XA473UT–Mountain Very Steep Stony Loam (browse)
- R047XA474UT–Mountain Very Steep Stony Loam (mountain big sagebrush)
- R047XA475UT–Mountain Windswept Ridge (black sagebrush)
- R047XA516UT–High Mountain Loam (mountain big sagebrush)
- R047XA517UT–High Mountain Loam (silver sagebrush)
- R047XA530UT–High Mountain Gravelly Loam (subalpine big sagebrush)
- R047XA557UT–High Mountain Gravelly Loam (tall forb)
- R047XA560UT–High Mountain Gravelly Loam (mountain big sagebrush)
- R047XA611UT–Subalpine Clay Loam (mixed grasses/forbs)
- R047XA630UT–Subalpine Stony Loam (snowfield sagebrush)
- R047XB210UT–Semidesert Gravelly Loam (black sagebrush)
- R047XB214UT–Semidesert Gravelly Loam (Wyoming big sagebrush)
- R047XB252UT–Semidesert Stony Loam (black sagebrush)
- R047XB303UT–Upland Clay (pinyon/Utah juniper)
- R047XB304UT–Upland Gravelly Loam (pinyon/Utah juniper)
- R047XB306UT–Upland Gravelly Loam (black sagebrush)
- R047XB308UT–Upland Loam (mountain big sagebrush/Indian ricegrass)
- R047XB309UT–Upland Loam (black sagebrush)
- R047XB316UT–Upland Shallow Hardpan (black sagebrush)
- R047XB326UT–Upland Shallow Loam (pinyon/Utah juniper)
- R047XB332UT–Upland Stony Loam (black sagebrush)
- R047XB333UT–Upland Stony Loam (pinyon/Utah juniper)
- R047XB336UT–Upland Stony Loam (mountain big sagebrush)
- R047XB406UT–Mountain Gravelly Loam (mountain big sagebrush)
- R047XB410UT–Mountain Gravelly Loam (oak)
- R047XB420UT–Mountain Loam (shrub)
- R047XB426UT–Mountain Loam (black sagebrush)
- R047XB428UT–Mountain Loam (low sagebrush)
- R047XB430UT–Mountain Loam (mountain big sagebrush)
- R047XB432UT–Mountain Loam (oak)
- R047XB433UT–Mountain Loam (ponderosa pine)
- R047XB450UT–Mountain Shallow Loam (ponderosa pine)
- R047XB462UT–Mountain Stony Loam (mountain big sagebrush)
- R047XB463UT–Mountain Stony Loam (oak)
- R047XB475UT–Mountain Windswept Ridge (black sagebrush or low sagebrush)
- R047XB508UT–High Mountain Loam (aspen)
- R047XB516UT–High Mountain Loam (mountain big sagebrush)
- R047XB519UT–High Mountain Loam (mixed conifer)
- R047XB532UT–High Mountain Stony Loam (Douglas-fir)
- R047XB539UT–High Mountain Stony Loam (mixed conifer)
- R047XC004UT–Semi-wet Fresh Meadow
- R047XC006UT–Semi-wet Fresh Streambank (narrowleaf cottonwood)

- R047XC007UT–Semi-moist Stream Terrace (ponderosa pine)
- R047XC320UT–Upland Shallow Loam (black sagebrush)
- R047XC326UT–Upland Shallow Loam (pinyon/Utah juniper)
- R047XC332UT–Upland Stony Loam (black sagebrush)
- R047XC335UT–Upland Stony Loam (pinyon/Utah juniper)
- R047XC336UT–Upland Stony Loam (Bonneville big sagebrush)
- R047XC338UT–Upland Stony Loam (Wyoming big sagebrush)
- R047XC340UT–Upland Very Steep Stony Loam (pinyon/Utah juniper)
- R047XC430UT–Mountain Loam (mountain big sagebrush)
- R047XC456UT–Mountain Stony Loam (antelope bitterbrush)
- R047XC460UT–Mountain Stony Loam (shrub)
- R047XC461UT–Mountain Stony Loam (curl-leaf mountain mahogany)
- R047XC462UT–Mountain Stony Loam (mountain big sagebrush)
- R047XC475UT–Mountain Windswept Ridge (black sagebrush)
- R047XY009ID–Mountain Loam 18-22 PZ ACGRG/ARTRV/PSSP6
- R047XY247CO–Deep Clay Loam
- R047XY378CO–Mountain Stony Loam

### Correlated Map Unit Components

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## **Stage**

Provisional

## **Contributors**

Curtis Talbot

Travis Nauman

## **State and transition model**

## **Citations**