

# Ecological site group ESG048A38

## Ustic Clay Uplands

Last updated: 06/07/2022  
Accessed: 07/13/2024

---

### Key Characteristics

- 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 AND Ustic soil moisture regime - 370 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 hills, mountainsides, and valley sides.

### Climate

This ESG is characterized by the ustic soil moisture regime.

### Soil features

This ESG is characterized by clay >30% surface or >35% subsurface.

### Vegetation dynamics

The modal ecological site for this ESG is R048AY247CO - Deep Clay Loam.

### Major Land Resource Area

MLRA 048A  
Southern Rocky Mountains

### Subclasses

- F048AY439UT–Mountain Shallow Loam (Ponderosa pine)
- F048AY449CO–Aspen Woodland
- F048AY908CO–Mixed Conifer
- F048AY912CO–Lodgepole Pine
- F048AY918CO–Spruce-Fir Woodland
- F048AY925CO–Ponderosa Pine Forest
- R048AA228CO–Mountain Loam Gunnison Basin LRU
- R048AA241CO–Mountain Meadow Gunnison Basin LRU
- R048AA250CO–Subalpine Loam Gunnison Basin LRU
- R048AY001NM–Subalpine Grassland
- R048AY002NM–Mountain Grassland
- R048AY003NM–Mountain Valley

- R048AY004NM–Mountain Loam
- R048AY005NM–Mountain Malpais
- R048AY006NM–Mountain Meadow
- R048AY007NM–Mountain Shale
- R048AY012NM–Mountain Loam Dry
- R048AY014NM–Mountain Valley Dry
- R048AY222CO–Loamy Park
- R048AY228CO–Mountain Loam
- R048AY234CO–Mountain Clay
- R048AY237CO–Stony Loam
- R048AY238CO–Brushy Loam
- R048AY241CO–Mountain Meadow
- R048AY244CO–Mountain Shale
- R048AY245CO–Mountain Swale
- R048AY247CO–Deep Clay Loam
- R048AY248CO–Mountain Clay Loam
- R048AY250CO–Subalpine Loam
- R048AY252CO–Subalpine Clay
- R048AY292CO–Deep Loam
- R048AY303CO–Loamy Slopes
- R048AY306UT–Upland Loam (Wyoming Big Sagebrush)
- R048AY405UT–Mountain Loam (Mountain Big Sagebrush)
- R048AY415UT–Mountain Loam (Oak)
- R048AY417UT–Mountain Loam (Ponderosa Pine)
- R048AY448UT–Mountain Stony Loam (Mountain Big Sagebrush)
- R048AY451UT–Mountain Stony Loam (Shrub)
- R048AY503UT–High Mountain Clay

### **Correlated Map Unit Components**

20985879, 20985938, 20987081, 20987146, 20988244, 21070436, 20992098, 20993462, 20993491, 20994154, 20994576, 20994441, 20994662, 20994372, 20994377, 21287097, 21287088, 21287072, 21287073, 21287102, 21287155, 21286317, 21285727, 21285735, 21285962, 21286067, 21285809, 21286007, 21286006, 21285935, 21285937, 21285975, 21285891, 21285980, 21285279, 21285259, 21285265, 21285292, 21285492, 21285504, 21285298, 21285301, 21285311, 21284222, 21284220, 21284364, 21284365, 21262200, 21262202, 21262204, 21262182, 21262191, 21262228, 21262223, 21262271, 21262303, 21262304, 21262308, 21262397, 21262398, 21262402, 21256050, 21256092, 21256089, 21256105, 21256102, 21256124, 21256158, 21256140, 21256190, 21256172, 21256218, 21256222, 21256262, 21256260, 21256297, 21256299, 21256268, 21256235, 21256269, 21256237, 21256285, 21256283, 21256301, 21256334, 21256350, 21256441, 21256360, 21256327, 21256370, 21256330, 21256372, 21256377, 21256374, 21256367, 21256366, 21256399, 21256429, 21256430, 21256477, 21256478, 21256479, 21256482, 21256483, 21256472, 21664146, 21276839, 21276858, 21276884, 21276789, 21276775, 21276612, 21276634, 21276642, 21276626, 21276629, 21276701, 21276690, 21276709, 21276722, 21276729, 21276784, 21272956, 21272958, 21131231, 21131237, 21131279, 21131282, 21251879, 21251827, 21251797, 21251766, 21251276, 21251767, 21251424, 21251434, 21251440, 21251642, 21251520, 21251559, 21251704, 21251725, 21251800, 21251913, 21251912, 21251841, 21251718, 21250737, 21250771, 21250834, 21250835, 21250887, 21250898, 21245535, 21245540, 21245545, 21245542, 21245558, 21245621, 21245623, 21245974, 21245975, 21245724, 21245722, 21245759, 21245788, 21245867, 21245877, 21245901, 21245902, 21245930, 21245933, 21245942, 21246002, 21245340, 21245341, 21245365, 21245370, 21245372, 21245376, 21245453, 21245427, 21245500, 21245501, 21245473, 21245502, 21245487, 21268277, 21268261, 21268288, 21268291, 21268285, 21268157, 21268129, 21268197, 21264946, 21265068, 21265113, 21265046, 21265028, 21265071, 21265086, 21265118, 21265080, 21265125, 21265321, 21265278, 21265327, 21244778, 21244781, 21244784, 21244813, 21244814, 21244821, 21244830, 21244831, 21244835, 21244860, 21244865, 21244869, 21244879, 21244887, 21243243, 21243352, 21242873, 21242894, 21242904, 21243227, 21242930, 21242961, 21242936, 21243002, 21243023, 21243096, 21243099, 21243131, 21243088, 21243090, 21243109, 21243150, 21243153, 21242074, 21241260, 21241295, 21241299, 21241301, 21241284, 21241239, 21241278, 21241281, 21241011, 21241022, 21835810, 21835936, 21835713, 21836102, 21835855, 21835981, 21836110, 21836012, 21834996, 21834896, 21835112, 21835543, 21835552, 21835281, 21835301, 21835434, 21835571, 21835443, 21835182, 21835464, 21835486, 21835627, 21835214, 21835653, 21835388, 21835538, 21842184, 21842476,

21842352, 21842351, 21842357, 21842366, 21842368, 21842482, 21842480, 21842279, 21842287, 21842380, 21841669, 21841841, 21841732, 21841897, 21978483, 21978489, 21978498, 21978497, 21978453, 21978580, 21978406, 21979251, 21979291, 21979350, 21979360, 21979368, 21979458, 21979454, 21979468, 21979525, 21979495, 21979620, 21979623, 21979510, 21978923, 21979657, 21980437, 21980334, 21980353, 21980407, 21980075, 21980079, 21980106, 21980108, 21980277, 21980279, 21980297, 21980296, 21980310, 21980307, 21980740, 21980998, 21981065, 21981988, 21981245, 21981253, 21981280, 21981285, 21981296, 21981653, 21981703, 21842822, 21842687, 21842723, 21842728, 21842747, 21842659, 21421516, 21490273, 21490301, 21490306, 21490303, 21490314, 21490309, 21490460, 21490524, 21490525, 21490561, 21490564, 21490574, 21490577, 21490109, 21490110, 21490120, 21865758, 21866401, 21865762, 21865765

## **Stage**

Provisional

## **Contributors**

Travis Nauman

## **State and transition model**

## **Citations**