

Ecological site group 035XESG06

Arid Cool Gypsum

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Key Characteristics

- <75% bedrock outcrop
- Ephemeral water or uplands
- Aridic moisture regime
- Cryic, frigid, or mesic temperature regimes
- Uplands
- Surface SAR<8
- Gypsum >5% surface or >10% 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 plateaus, hills, and fan terraces.

Climate

This ESG is characterized by the mesic temperature regime and the aridic moisture regime.

Vegetation dynamics

The modal ecological site for this ESG is R035XY414CO Alkali Flat.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- R035XC302AZ–Sedimentary Cliffs 10-14" p.z.
- R035XC313AZ–Loamy Upland 10-14" p.z.
- R035XC341AZ–Gypsum Hills 10-14" p.z. Calcareous
- R035XC342AZ–Gypsum Hills 10-14" p.z.
- R035XD404AZ–Gypsum Hills 7-11" p.z.
- R035XD405AZ–Gypsum Upland 7-11" p.z.
- R035XD409AZ–Loamy Upland 7-11" p.z.
- R035XD413AZ–Sandy Loam Upland 7-11" p.z. Calcareous
- R035XD414AZ–Sandy Loam Upland 7-11" p.z.
- R035XD421AZ–Clay Loam Upland 7-11" p.z.
- R035XD422AZ–Sandy Loam Upland 7-11" p.z. Gypsic
- R035XD423AZ–Breaks 7-11" p.z. Gypsiferous
- R035XE503AZ–Mudstone Hills 6-10" p.z. Gypsiferous
- R035XE516AZ–Sedimentary Cliffs 6-10" p.z.
- R035XE518AZ–Loamy Upland 6-10" p.z. Gypsiferous

- R035XY106UT–Desert Gypsum Loam (Torrey's Jointfir)
- R035XY124UT–Desert Shallow Clay (Mat Saltbush)
- R035XY126UT–Desert Shallow Gypsum (Torrey's Jointfir)
- R035XY130UT–Desert Shallow Sandy Loam (Shadscale)
- R035XY142UT–Desert Very Shallow Gypsum (Torrey's Jointfir)
- R035XY209UT–Semidesert Loam (Wyoming Big Sagebrush)
- R035XY221UT–Semidesert Shallow Loam (Utah Juniper-Pinyon)
- R035XY237UT–Semidesert Shallow Gypsum (Mormontea)
- R035XY263UT–Semidesert Very Steep Stony Loam (Two-Needle Pinyon, Utah Juniper)
- R035XY264UT–Semidesert Gypsum (Torrey's Jointfir)
- R035XY402CO–Sandy Saltdesert
- R035XY403CO–Clayey Salt Desert
- R035XY406CO–Salt Desert Breaks
- R035XY410CO–Silty saltdesert
- R035XY413CO–Alkali Bottom
- R035XY414CO–Alkali Flat
- R035XA109AZ–Gypsum Upland 10-14" p.z.
- R035XB008NM–Sodic Slopes
- R035XB022NM–Loamy Upland 6-10"p.z. sodic
- R035XB201AZ–Mudstone/Sandstone Hills 6-10" p.z.
- R035XB205AZ–Loamy Upland 6-10" p.z. Gypsic
- R035XB206AZ–Sandy Upland 6-10" p.z. Warm
- R035XB227AZ–Sandy Loam Upland 6-10" p.z. Saline-Sodic
- R035XB235AZ–Sandy Loam Upland 6-10" p.z. Warm
- R035XB249AZ–Mudstone/Sandstone Upland 6-10" p.z. Limy, Channery
- R035XB251AZ–Mudstone/Sandstone Hills 6-10" p.z. Warm
- R035XB267AZ–Sandy Loam Upland 6-10" p.z. Limy
- R035XB274AZ–Sandy Loam Upland 6-10" p.z. Saline
- R035XB278AZ–Loamy Upland 6-10" p.z. Saline, Gypsic
- R035XB279AZ–Clay Loam Upland 6-10" p.z. Sodic, Gypsic

Correlated Map Unit Components

24478668, 24478790, 24478792, 24478791, 24478903, 24476438, 24476449, 24476442, 24476350, 24476049, 24447086, 24447253, 23735342, 23735169, 23735166, 23735487, 23735043, 23735483, 23735345, 23735348, 23735040, 23735037, 23735175, 23735410, 23735054, 23735055, 23735238, 23735490, 23735139, 23735036, 23735495, 23735350, 23735066, 23734465, 23732092, 23732096, 23732212, 23732141, 24504417, 24446035, 24446039, 24446054, 24446081, 24446171, 24446175, 24529012, 24529277, 24529053, 24529051, 24529055, 24529057, 24529311, 24529558, 24530572, 24533520, 24533063, 24533226, 24533391, 24533260, 24533258, 24533047, 24533519, 24533328, 24538978, 24538783, 24538562, 24538966, 24538965, 24539131, 24539130, 24539118, 24539120, 24539117, 24538809, 24538334, 24539175, 24539173, 24538177, 24538301, 24540690, 24540762, 24540887, 24540917, 24540916, 24540747, 24540744, 24540745, 24540924, 24477068, 24477108, 24477109, 24477110, 24477112, 24477113, 24477323, 24477324, 24477153, 24477176, 24477180, 24477183, 24477197, 24477211, 24477210, 24477234, 24477257, 24477275, 24477277, 24481996, 24482000, 24482150, 24482152, 24482019, 24482095, 24482094, 24505153, 24505117, 24505116, 24505132, 24505074, 24505076, 24484716, 24491269, 24491234, 24491292, 24478663, 24478665, 24478667

Stage

Provisional

Contributors

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State and transition model

Citations