

Major Land Resource Area 035X Colorado Plateau

Accessed: 04/29/2026

Ecological site group keys

MLRA 35 Key to the LRUs

I >75% bedrock outcrop ... 035XESG23 – Outcrops

II. <75% bedrock outcrop

A. Perennial water ... 035XESG24 – Riparian

B. Ephemeral water or uplands

1 Aridic moisture regime

i. Cryic, frigid, or mesic temperature regimes

a. Additional water

1) Subsurface EC>4 ... 035XESG08 – Arid Cool Saline Bottoms

2) Subsurface EC<4

a) Sand >50% & clay <25% for surface and subsurface ... 035XESG11 – Arid Cool Sandy Bottoms

b) Sand <50% or clay >25% for surface and subsurface ... 035XESG01 – Arid Cool Bottoms

b. Uplands

1) Surface SAR>8 ... 035XESG09 – Arid Cool Saline Hills

2) Surface SAR<8

a) Gypsum >5% surface or >10% subsurface ... 035XESG06 – Arid Cool Gypsum

b) Gypsum <5% surface and <10% subsurface

(1) Subsurface EC>8 or surface EC>4 ... 035XESG09 – Arid Cool Saline Hills

(2) Subsurface EC<8 and surface EC<4

(a) EC >1.5 surface or >2 subsurface ... 035XESG10 – Arid Cool Saline Uplands

(b) EC <1.5 surface and <2 subsurface

(1) Slope >35% & >40% surface rock ... 035XESG02 – Arid Cool Breaks

(2) Slope <35% or <40% surface rock

(a) Depth <30cm ... 035XESG14 – Arid Cool Very Shallow

(b) Depth: 30-55cm ... 035XESG13 – Arid Cool Shallow

(c) Depth >55cm

(1) **Rock >30% surface or >30% subsurface** ... 035XESG04 – Arid Cool Deep Rocky

(2) **Rock <30% surface and <30% subsurface**

(a) **Clay >30% surface or >35% subsurface** ... 035XESG03(18113) – Arid Cool Clay Uplands

(b) **Clay <30% surface and <35% subsurface**

(1) **Sand >75% or texture is loamy sand or sandier in surface & subsurface** ... 035XESG12 – Arid Cool Sandy Uplands

(2) **Sand <75% or texture is sandy loam or finer in surface & subsurface**

(a) **Clay <20% or texture is sandy loam or sandier in surface** ...

035XESG07 – Arid Cool Loamy Uplands

(b) **Clay >20% or texture is finer than sandy loam in surface** ...

035XESG05 – Arid Cool Finer Uplands

ii. Thermic temperature regime

a. **Additional water** ... 035XESG18 – Arid Warm Saline Bottoms and Bottoms

b. Uplands

1) **Gypsum >5% surface or >10% subsurface** ... 035XESG17 – Arid Warm Gypsum

2) **Gypsum <5% surface and <10% subsurface**

a) **EC >1.5 surface or >2 subsurface** ... 035XESG19 – Arid Warm Saline Uplands

b) **EC <1.5 surface and <2 subsurface**

(1) **Slope >35% & >40% surface rock** ... 035XESG15 – Arid Warm Breaks

(2) **Slope <35% or <40% surface rock**

(a) **Depth <30cm** ... 035XESG22 – Arid Warm Very Shallow

(b) **Depth: 30-55cm** ... 035XESG21 – Arid Warm Shallow

(c) **Depth >55cm**

(1) **Clay <20% or texture is sandy loam or sandier in surface** ... 035XESG20 – Arid Warm Sandy Uplands and Loamy Uplands

(2) **Clay >20% or texture is finer than sandy loam in surface** ... 035XESG16 – Arid Warm Finer Uplands and Clay Uplands

2 Ustic moisture regime

i. Additional water

a. **Subsurface EC>4** ... 035XESG30 – Semiarid Cool Saline Bottoms

b. **Subsurface EC<4**

1) **Sand >50% & clay <25% for surface and subsurface** ... 035XESG33 – Semiarid Cool Sandy Bottoms

2) **Sand <50% or clay >25% for surface and subsurface** ... 035XESG25 – Semiarid Cool Bottoms

ii. Uplands

a. Surface SAR>8 ... 035XESG31 – Semiarid Cool Saline Hills

b. Surface SAR<8

1) Gypsum >5% surface or >10% subsurface ... 035XESG29 – Semiarid Cool Gypsum

2) Gypsum <5% surface and <10% subsurface

a) Subsurface EC>8 or surface EC>4 ... 035XESG31 – Semiarid Cool Saline Hills

b) Subsurface EC<8 and surface EC<4

(1) EC >1.5 surface or >2 subsurface ... 035XESG32 – Semiarid Cool Saline Uplands, Sandy Uplands, Loamy Uplands, and Finer Uplands

(2) EC <1.5 surface and <2 subsurface

(a) Slope >35% & >40% surface rock ... 035XESG26 – Semiarid Cool Breaks

(b) Slope <35% or <40% surface rock

(1) Depth <30cm ... 035XESG35 – Semiarid Cool Very Shallow

(2) Depth: 30-55cm ... 035XESG34 – Semiarid Cool Shallow

(3) Depth >55cm

(a) Rock >30% surface or >30% subsurface ... 035XESG28 – Semiarid Cool Deep Rocky

(b) Rock <30% surface and <30% subsurface

(1) Clay >30% surface or >35% subsurface ... 035XESG27 – Semiarid Cool Clay Uplands

(2) Clay <30% surface and <35% subsurface ... 035XESG32 – Semiarid Cool Saline Uplands, Sandy Uplands, Loamy Uplands, and Finer Uplands