

Major Land Resource Area 035X

Colorado Plateau

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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