

Major Land Resource Area 034A

Cool Central Desertic Basins and Plateaus

Accessed: 05/10/2025

Ecological site group keys

MLRA 34A

I. >75% bedrock outcrop ... 034AESG07 – Outcrops

II. <75% bedrock outcrop

A. Perennial water ... 034AESG08 – Riparian

B. Ephemeral water or uplands

1 Aridic moisture regime

i. Ephemeral water

a. Subsurface EC >4 ... 034AESG22 – Arid Cool Saline Bottoms

b. Subsurface EC <4 ... 034AESG16 – Arid Cool Bottoms

ii. Uplands

a. Surface SAR >8 ... 034AESG23 – Arid Cool Saline Hills

b. Surface SAR <8

1) Gypsum >5% surface or >10% subsurface ... 034AESG20 – Arid Cool Gypsum

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

a) Subsurface EC >8 or surface EC >4 ... 034AESG23 – Arid Cool Saline Hills

b) Subsurface EC <8 and surface EC <4

(1) EC >1.5 surface or >2 subsurface ... 034AESG24 – Arid Cool Saline Uplands

(2) EC <1.5 surface and <2 subsurface

(a) Depth <30cm ... 034AESG27 – Arid Cool Very Shallow

(b) Depth: 30-55cm ... 034AESG26 – Arid Cool Shallow

(c) Depth >55cm

(1) Rock >30% surface or >30% subsurface ... 034AESG18 – Arid Cool Deep Rocky

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

(a) Clay >30% surface or >35% subsurface ... 034AESG17 – Arid Cool Clay Uplands

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

(1) Sand >75% or texture is loamy sand or sandier in surface & subsurface ... 034AESG25 – 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 ... 034AESG21 – Arid Cool Loamy Uplands

(b) Clay >20% or texture is finer than sandy loam in surface ... 034AESG19 – Arid Cool Finer Uplands

2 Udic, ustic, and xeric moisture regimes

i. Ephemeral water

a. Subsurface EC >4 ... 034AESG32 – Semiarid Cool Saline Bottoms

b. Subsurface EC <4

- 1) Sand >50% & clay <25% for surface and subsurface ... 034AESG35 – Semiarid Cool Sandy Bottoms
- 2) Sand <50% or clay >25% for surface and subsurface ... 034AESG28 – Semiarid Cool Bottoms

ii. Uplands

a. Surface SAR >8 ... 034AESG33 – Semiarid Cool Saline Hills

b. Surface SAR <8

1) Gypsum >5% surface or >10% subsurface ... 034AESG31 – Semiarid Cool Gypsum

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

a) Subsurface EC >8 or surface EC >4 ... 034AESG33 – Semiarid Cool Saline Hills

b) Subsurface EC <8 and surface EC <4

(1) EC >1.5 surface or >2 subsurface ... 034AESG34 – Semiarid Cool Saline Uplands, Sandy Uplands, Loamy Uplands, & Finer Uplands

(2) EC <1.5 surface and <2 subsurface

(a) Depth <30cm ... 034AESG37 – Semiarid Cool Very Shallow

(b) Depth: 30-55cm ... 034AESG36 – Semiarid Cool Shallow

(c) Depth >55cm

(1) Rock >30% surface or >30% subsurface ... 034AESG30 – Semiarid Cool Deep Rocky

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

(a) Clay >30% surface or >35% subsurface ... 034AESG29 – Semiarid Cool Clay Uplands

(b) Clay <30% surface or <35% subsurface ... 034AESG34 – Semiarid Cool Saline Uplands, Sandy Uplands, Loamy Uplands, & Finer Uplands