USDA icon **Natural Resources Conservation Service**

Major Land Resource Area 036X
Southwestern Plateaus, Mesas, and Foothills

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Ecological site group keys

MLRA 36

I. >75% bedrock outcrop ... 036XESG08 – Outcrops

II. <75% bedrock outcrop

A. Perennial water ... 036XESG09 – Riparian

B. Ephemeral water or uplands

1 Aridic moisture regime

i. Cryic, frigid, or mesic temperature regimes

a. Additional water ... 036XESG24 – Arid Cool Sandy Bottoms

b. Uplands

1) Surface SAR >8 ... 036XESG22 – Arid Cool Saline Hills

2) Surface SAR <8

a) Gypsum >5% surface or >10% subsurface ... 036XESG20 – Arid Cool Gypsum

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

(1) Subsurface EC >8 or surface EC >4 ... 036XESG22 – Arid Cool Saline Hills

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

(a) EC >1.5 surface or >2 subsurface ... 036XESG23 – Arid Cool Saline Uplands

(b) EC <1.5 surface and <2 subsurface

(1) Slope >35% & >40% surface rock ... 036XESG16(17919) – Arid Cool Breaks

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

(a) Depth <30cm ... 036XESG27 – Arid Cool Very Shallow

(b) Depth: 30-55cm ... 036XESG26 – Arid Cool Shallow

(c) Depth >55cm

(1) Rock >30% surface or >30% subsurface ... 036XESG18 – Arid Cool Deep Rocky

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

(a) Clay >30% surface or >35% subsurface ... 036XESG17 – Arid Cool Clay Uplands

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

(1) Sand >75% or texture is loamy sand or sandier in surface & subsurface ...

036XESG25 – 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 ...

036XESG21 – Arid Cool Loamy Uplands

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

036XESG19 – Arid Cool Finer Uplands

ii. Thermic temperature regime ... 036XESG28 – Arid Warm Saline Uplands

2 Ustic or udic moisture regimes

i. Cryic, frigid, or mesic temperature regimes

a. Additional water

1) Sand >50% % clay <25% for surface and subsurface ... 036XESG36(18013) – Semiarid Cool Sandy Bottoms

2) Sand <50% or clay >25% for surface and subsurface ... 036XESG29 – Semiarid Cool Bottoms

b. Uplands

1) Surface SAR >8 ... 036XESG34 – Semiarid Cool Saline Hills

2) Surface SAR <8

a) Gypsum >5% surface or >10% subsurface ... 036XESG33 – Semiarid Cool Gypsum

b) Gypsum <5% and <10% subsurface

(1) Subsurface EC >8 or surface EC >4 ... 036XESG34 – Semiarid Cool Saline Hills

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

(a) EC >1.5 surface or >2 subsurface ... 036XESG35 – Semiarid Cool Saline, Sandy, Loamy, and Finer Uplands

(b) EC <1.5 surface and <2 subsurface

(1) Slope >35% & >40% surface rock ... 036XESG30 – Semiarid Cool Breaks

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

(a) Depth <30cm ... 036XESG38 – Semiarid Cool Very Shallow

(b) Depth: 30-55cm ... 036XESG37 – Semiarid Cool Shallow

(c) Depth >55cm

(1) Rock >30% surface or >30% subsurface ... 036XESG32 – Semiarid Cool Deep Rocky

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

(a) Clay >30% surface or >35% subsurface ... 036XESG31 – Semiarid Cool Clay Uplands

(b) Clay <30% surface and <35% subsurface ... 036XESG35 – Semiarid Cool Saline, Sandy, Loamy, and Finer Uplands

ii. Thermic temperature regime

a. **EC >1.5 surface or >2 subsurface ...** 036XESG40 – Semiarid Warm Saline Uplands

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

1) **Depth <55cm ...** 036XESG41 – Semiarid Warm Shallow and Deep Rocky

2) **Depth >55cm**

a) **Rock >30% surface or >30% subsurface ...** 036XESG41 – Semiarid Warm Shallow and Deep Rocky

b) **Rock <30% surface and <30% subsurface ...** 036XESG39 – Semiarid Warm Clay Uplands