

Major Land Resource Area 040X Sonoran Basin and Range

Accessed: 05/10/2025

Ecological site group keys

MLRA 40

I. Additional water

- A. Perennial water ... 040XESG09 – Riparian
- B. Ephemeral water
 - 1 Subsurface EC >4 ... 040XESG10 – Saline Bottoms
 - 2 Subsurface EC <4
 - i. Sand >50% & Clay <25% for surface and subsurface ... 040XESG13 – Sandy Bottoms
 - ii. Sand <50% or Clay >25% for surface and subsurface ... 040XESG01 – Bottoms

II. Uplands

- A. >75% bedrock outcrop ... 040XESG08 – Outcrops
- B. <75% bedrock outcrop
 - 1 Surface SAR >8, or Subsurface EC >8, or Surface EC >4 ... 040XESG11 – Saline Hills
 - 2 Surface SAR <8, or Subsurface EC <8, or Surface EC <4
 - i. Gypsum >5% surface or >10% subsurface ... 040XESG06 – Gypsum
 - ii. Gypsum <5% surface and <10% subsurface
 - a. EC >1.5 surface or >2 subsurface ... 040XESG12 – Saline Uplands
 - b. EC <1.5 surface and <2 subsurface
 - 1) Slope >35% & >40% surface rock ... 040XESG02 – Breaks
 - 2) Slope <35% or <40% surface rock
 - a) Depth <30cm ... 040XESG16 – Very Shallow
 - b) Depth: 30-55cm ... 040XESG15 – Shallow
 - c) Depth >55cm
 - (1) Rock >30% surface or >30% subsurface ... 040XESG04 – Deep Rocky
 - (2) Rock <30% surface and <30% subsurface
 - (a) Clay >30% surface or >35% subsurface ... 040XESG03 – Clay Uplands
 - (b) Clay <30% surface and <35% subsurface
 - (1) Sand >75% or texture is Loamy Sand or sandier in surface & subsurface ... 040XESG14 – Sandy Uplands
 - (2) Sand <75% or texture is Loamy Fine Sand or finer in surface & subsurface
 - (a) Clay <20% or texture is Sandy Loam or sandier in surface ... 040XESG07 – Loamy Uplands
 - (b) Clay >20% or texture is Fine Sandy Loam or finer in surface ... 040XESG05 – Finer Uplands