

Major Land Resource Area 077E

Southern High Plains, Breaks

Accessed: 02/07/2025

Ecological site group keys

MLRA 77E

I. Additional water

A. Perennial water ... 077EESG08 – Riparian

B. Ephemeral water

1 Subsurface EC >4 ... 077EESG09 – Saline Bottoms

2 Subsurface EC <4

i. Sand >50% & clay <25% for surface and subsurface ... 077EESG12 – Sandy Bottoms

ii. Sand <50% or clay >25% for surface and subsurface ... 077EESG01 – Bottoms

II. Uplands

A. >75% bedrock outcrop ... 077EESG07 – Outcrops

B. <75% bedrock outcrop

1 Surface SAR >8 ... 077EESG10 – Saline Hills

2 Surface SAR <8

i. Gypsum >5% surface or >10% subsurface ... 077EESG05 – Gypsum

ii. Gypsum <5% surface and <10% subsurface

a. Subsurface EC >8 or surface EC >4 ... 077EESG10 – Saline Hills

b. Subsurface EC <8 and surface EC <4

1) EC >1.5 surface or >2 subsurface ... 077EESG11 – Saline Uplands

2) EC <1.5 surface and <2 subsurface

a) Depth <30cm ... 077EESG15 – Very Shallow

b) Depth: 30-55cm ... 077EESG14 – Shallow

c) Depth >55cm

(1) Rock >30% surface or >30% subsurface ... 077EESG03 – Deep Rocky

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

(a) Clay >30% surface or >35% subsurface ... 077EESG02 – Clay Uplands

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

(1) Sand >75% or texture is loamy sand or sandier in surface & subsurface ...
077EESG13 – 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 ... 077EESG06 –
Loamy Uplands

(b) Clay >20% or texture is finer than sandy loam in surface ... 077EESG04 –
Finer Uplands