

Major Land Resource Area 069X Upper Arkansas Valley Rolling Plains

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Ecological site group keys

MLRA 69

I. Additional water

A. Perennial water ... 069XESG08 – Riparian

B. Ephemeral water

1 Subsurface EC >4 ... 069XESG11 – Saline Uplands

2 Subsurface EC <4

i. Sand >50% & clay <25% for surface and subsurface ... 069XESG12 – Sandy Bottoms

ii. Sand <50% & clay >25% for surface and subsurface ... 069XESG01 – Bottoms

II. Uplands

A. >75% bedrock outcrop ... 069XESG07 – Outcrops

B. <75% bedrock outcrop

1 Surface SAR >8 ... 069XESG10 – Saline Hills

2 Surface SAR <8

i. Gypsum >5% surface or >10% subsurface ... 069XESG05 – Gypsum

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

a. Subsurface EC >8 or surface EC >4 ... 069XESG10 – Saline Hills

b. Subsurface EC <8 and surface EC <4

1) EC >1.5 surface and >2 subsurface ... 069XESG11 – Saline Uplands

2) EC <1.5 surface and <2 subsurface

a) Depth <30cm ... 069XESG15 – Very Shallow

b) Depth: 30-55cm ... 069XESG14 – Shallow

c) Depth >55cm

(1) Rock >30% surface or >30% subsurface ... 069XESG03 – Deep Rocky

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

(a) Clay >30% surface or >35% subsurface ... 069XESG02 – Clay Uplands

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

(1) Sand >75% or texture is loamy sand or sandier in surface & subsurface ... 069XESG13 –
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 ... 069XESG06 – Loamy Uplands

(b) Clay >20% or texture is finer than sandy loam in surface ... 069XESG04 – Finer Uplands