

# Major Land Resource Area 046X

## Northern and Central Rocky Mountain Foothills

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### Ecological site group keys

#### MLRA 46

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##### I. Additional water

A. Perennial water ... 046XESG09 – Riparian

B. Ephemeral water

1 Subsurface EC >4 ... 046XESG10 – Saline Bottoms

2 Subsurface EC <4

i. Sand >50% & clay <25% for surface and surface ... 046XESG13 – Sandy Bottoms

ii. Sand <50% or Clay >25% for surface and subsurface ... 046XESG01 – Bottoms

##### II. Uplands

A. >75% bedrock outcrop ... 046XESG08 – Outcrops

B. <75% bedrock outcrop

1 Surface SAR >8 ... 046XESG11 – Saline Hills

2 Surface SAR <8

i. Gypsum >5% surface or >10% subsurface ... 046XESG06 – Gypsum

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

a. Subsurface EC >8 or surface EC >4 ... 046XESG11 – Saline Hills

b. Subsurface EC <8 and surface EC <4

1) EC >1.5 surface or >2 subsurface ... 046XESG12 – Saline Uplands

2) EC <1.5 surface and <2 subsurface

a) Slope >35% & >40% surface rock ... 046XESG02 – Breaks

b) Slope <35% or <40% surface rock

(1) Depth <30cm ... 046XESG16 – Very Shallow

(2) Depth: 30-55cm ... 046XESG15 – Shallow

(3) Depth >55cm

(a) Rock >30% surface or >30% subsurface ... 046XESG04 – Deep Rocky

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

(1) Clay >30% surface or >35% subsurface ... 046XESG03 – Clay Uplands

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

(a) Sand >75% or texture is loamy sand or sandier in surface & subsurface ...  
046XESG14 – Sandy Uplands

(b) Sand <75% or texture is sandy loam or finer in surface & subsurface

(1) Clay <20% or texture is sandy loam or sandier in surface ...  
046XESG07 – Loamy Uplands

(2) Clay >20% and texture is finer than sandy loam in surface ...  
046XESG05 – Finer Uplands

