Major Land Resource Area 046X
Northern and Central Rocky Mountain Foothills

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Ecological site group keys

MLRA 46

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