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