

# Major Land Resource Area 026X

## Carson Basin and Mountains

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### Ecological site keys

#### Bodie Hills LRU

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- I. Site has a watertable above 60 inches. Located in a concave position or along a waterway.
  - A. Site typically occurs next to a stream.
    - 1 Site occurs on stream terraces and typically has over 15 percent rock fragments on the soil surface.
      - i. Water table 20 inches or less from the soil surface. ... R026XF018CA – Streambank
      - ii. Water table 40 inches or more from the soil surface. ... R026XF055CA – Willow Thicket
    - 2 Site occurs on flood plains and has a mucky surface texture that has less than 15 percent rock fragments on the surface. ... R026XF054CA – Ashy Semi-Wet Meadow
  - B. Site typically occurs in a concave position, not next to a stream.
    - 1 Soil texture is silty clay. ... R026XF068CA – Wet Ashy Basin
    - 2 Soil texture is loam to loamy sand.
      - i. Site is influenced by salts and the pH is over 9. ... R026XF065CA – Ashy Sodic Basin
      - ii. Site is not influenced by salts as the site above.
        - a. Site has less than 15 percent gravels on the soil surface. ... R026XY049NV – MOUNTAIN BASIN
        - b. Site has greater than 15 percent gravels on the soil surface. ... F026XY086NV – Wet Loamy Stream Terrace POTR5/SYOR
- II. Site does not have a water table within 60 inches of the soil surface. Location on the landscape is various.
  - A. Soil is shallow, less than 20 inches to a restrictive layer.
    - 1 Site occurs as less than 5,800 feet and is very shallow, less than 10 inches to a bedrock restrictive layer. ... R026XY094NV – ERODED SLOPE 8-10
    - 2 Site occurs at elevations greater than 5,800 feet; soil may be very shallow to shallow.
      - i. Restrictive layer is un-weathered bedrock. ... R026XF060CA – Ashy Claypan 12-14 P.Z.
      - ii. Restrictive layer is weathered bedrock.
        - a. Restrictive layer is less than 14 inches from the soil surface. ... R026XF064CA – Granitic Upland 12-14 P.Z.
        - b. Restrictive layer is 14 inches or greater from the soil surface. See also R026XY105NV and R026XY111NV. ... R026XF057CA – Ashy Shallow Loam 14-16 P.Z.
  - B. Soil is moderately deep (20 to 40 inches to restrictive layer) to deep (40 inches or more to a restrictive layer).
    - 1 Soil is moderately deep, 20 to 40 inches to a restrictive layer.
      - i. Slopes are less than 8 percent. Site is located on a summit with a high percentage of clay in the soil subsurface. ... R026XF062CA – Ashy Mountain Basin
      - ii. Slopes are typically greater than 8 percent.
        - a. Site is located primarily on south slopes.
          - 1) Site is found primarily below 8,000 feet and soil temperature regime is mesic. ... R026XF063CA – Ashy South Slope 12-14 P.Z.
          - 2) Site is found primarily above 8,000 feet and soil temperature regime is frigid. ... R026XY110NV – GRAVELLY SOUTH SLOPE 16+ P.Z.

b. Site is located on any aspect.

1) Soil temperature regime is frigid and the site is typically lower in elevation. ... R026XY105NV – GRAVELLY LOAMY SLOPE 14-16 P.Z.

2) Soil temperature regime is cryic and site is typically higher in elevation.

a) Soil surface texture is loamy coarse sand and is located where snow accumulates. ... R026XY077NV – SNOW POCKET

b) Soil surface texture is ashy fine sandy loam. ... R026XY112NV – ASHY POCKET

2 Soil is deep, greater than 60 inches to a restrictive layer.

i. Site is located on stream terraces. ... R026XY057NV – LOAMY BOTTOM 14+ P.Z.

ii. Site is located on landforms other than stream terraces.

a. Site is located on a mountain shoulder position. ... R026XF059CA – Ashy Mountain Shoulders 16+ P.Z.

b. Site is located on a backslope, toeslope, or footslope position.

1) Site is typically found at lower elevations with a frigid soil temperature regime. ... R026XY105NV – GRAVELLY LOAMY SLOPE 14-16 P.Z.

2) Site is typically found at elevations greater than 7,000 feet and up to 10,000 feet with a cryic soil temperature regime. ... R026XY108NV – ASHY SLOPE 14-16 P.Z.