

Major Land Resource Area 026X

Carson Basin and Mountains

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Ecological site keys

Sierra Influenced Ranges (Frigid)

- I. Soil is shallow (less than 20 inches to a restrictive layer).
 - A. Slopes are typically less than 30 percent.
 - 1 Site occurs at elevations greater than 8500 feet. ... R026XY028NV – MOUNTAIN RIDGE
 - 2 Site occurs at elevations less than 8500 feet.
 - i. Surface soil texture is sand, with greater than 60 percent gravels. ... F026XY063NV – Shallow Sandy Pediment 13-15 P.Z. JUOS/ARTRW8/ACHY-HECO26
 - ii. Surface soil texture is sandy loam to fine sandy loam. See also R026XY078NV Claypan 12-14 P.Z. and R026XY009NV Mahogany Savanna. ... F026XY064NV – Shallow Clayey Summit 11-14 P.Z. PIMO-JUOS/ARAR8/ACTH7
 - B. Slopes are typically greater than 30 percent.
 - 1 Site typically occurs at elevations greater than 8000 feet. Site is dominated by big sagebrush. ... R026XY056NV – SOUTH SLOPE 16+ P.Z.
 - 2 Site typically occurs at elevations less than 8000 feet. Site is dominated by pinyon trees. See also F026XY044NV. ... F026XY060NV – Shallow Loamy Slopes 12-16 P.Z PIMO/ARTRV/ACTH7
- II. Soil is moderately deep to deep (greater than 20 inches to a restrictive layer).
 - A. Rocks on site are less than 15 percent cover/volume. ... R026XF035CA – Ashy Loamy Sand (BLM)
 - B. Rocks on site are greater than 15 percent cover/volume.
 - 1 Rocks on site are stone or boulder sized (greater than 10 inches in diameter).
 - i. Site occurs at elevations greater than 9000 feet. ... F026XY067NV – Steep Bouldery Loam 15-17 P.Z. PIFL2/ARTRV/LEKI2-KOMA
 - ii. Site occurs at elevations less than 9000 feet.
 - a. Rocks on the site are greater than 24 inches in diameter (boulder sized). ... R026XY006NV – GRANITIC LOAM 14+ P.Z.
 - b. Rocks on the site are between 10 and 24 inches in diameter (stone sized).
 - 1) Site is found at slopes typically between 30 and 50 percent. ... F026XY060NV – Shallow Loamy Slopes 12-16 P.Z PIMO/ARTRV/ACTH7
 - 2) Site is found at slopes typically less than 30 percent. See also R026XY009NV Mahogany Savanna. ... R026XY005NV – LOAMY 12-14 P.Z.
 - 2 Rocks on site are cobble or gravel sized (less than 10 inches in diameter).
 - i. Site is typically found at elevations greater than 9000 feet. ... R026XY052NV – SHALLOW LOAM 16+ P.Z.
 - ii. Site is typically found at elevations less than 9500 feet.
 - a. Site has an increase in clay in the soil subsurface that influences rooting depth. Site is dominated by either Lahonton or low sagebrush. See also R026XY078NV Claypan 12-14 P.Z. ... R026XY039NV – CLAYPAN 14+ P.Z.
 - b. Site does not have an increase in clay that influences plant rooting depth. Dominant plants are either mahogany, big sagebrush, or aspen.

1) Mean annual precipitation at the site is 16 inches or less. The difference between these sites appear to be slight differences in elevation and position on the landscape. 038NV tends toward cool frigid/cryic and 040NV is frigid. See also R026XY040NV Gravelly Loam 14+ P.Z. ... R026XY038NV – LOAMY SLOPE 14+ P.Z.

2) Mean annual precipitation is greater than 16 inches.

a) Site is in a concave position and is dominated by aspen. ... F026XY066NV – Cool Concave Mountain Slope 16+ P.Z.

b) Site is in a convex position and is dominated by mahogany and/or big sagebrush. See also R026XY009NV Mahogany Savanna. ... R026XY075NV – GRAVELLY MOUNTAIN SHOULDERS 16+ P.Z.