

Major Land Resource Area 026X

Carson Basin and Mountains

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Ecological site keys

Semiarid Fans and Basins

- I. Soil is shallow (less than 20 inches to a restrictive layer). ... R026XY025NV – CLAYPAN 8-10 P.Z.
- II. Soil is moderately deep to deep (greater than 20 inches to a restrictive layer).
 - A. Site experiences flooding and has a water table within 60 inches of the soil surface.
 - 1 Water table is typically at the soil surface or ponded in winter and spring. ... R026XY002NV – WET SODIC BOTTOM
 - 2 Water table is typically deeper than 20 inches from the soil surface and is not present near the soil surface during any time of year.
 - i. Site occurs on a alluvial fan. ... R026XY032NV – DEEP SODIC FAN
 - ii. Site occurs on a flood plain or stream terrace.
 - a. Site is poorly drained.
 - 1) Site is influenced by salts, high sodium adsorption ratio and electrical conductivity (up to 32 and 90). ... R026XY013NV – SODIC FLOODPLAIN
 - 2) Site does not have salt influence. ... R026XY001NV – MOIST FLOODPLAIN
 - b. Site is somewhat poorly drained.
 - 1) Site has a duripan 20 to 40 inches below the soil surface. ... R026XY004NV – SALINE BOTTOM
 - 2) Site does not have a restrictive layer. ... R026XY012NV – DRY FLOODPLAIN 8-10 P.Z.
 - B. Site does not have flooding, or if it does, it will not have a water table within 60 inches of the soil surface.
 - 1 Site occurs on dunes and has a fine sand surface texture. ... R026XY014NV – DUNE 10-12 P.Z.
 - 2 Site does not occur on dunes, site may have a sandy surface texture, but do not occur on dunes.
 - i. Site has less than 5 percent rock cover on the soil surface.
 - a. Site influenced by salt. ... R026XY021NV – SODIC FLAT
 - b. Site is not influenced by salt.
 - 1) Soil surface texture is silty clay loam. ... R026XY031NV – SILTY 8-10 P.Z.
 - 2) Soil surface texture is sandy loam. ... R026XY103NV – GRANITIC LOAM 10-12 P.Z.
 - ii. Site has greater than 5 percent rock cover on the soil surface.
 - a. Site occurs in drainageways, often associated with alluvial fans. ... R026XY034NV – WASH 8-12 P.Z.
 - b. Site occurs on alluvial fans or fan remnants, but is not located in a drainageway.
 - 1) Site has a root restrictive layer, typically a increase in clay. This can be identified by a abrupt textural change.
 - a) Rocks on the soil surface and in the soil profile are typically greater than 20 percent cover/volume. ... R026XY047NV – DROUGHTY CLAYPAN 8-10 P.Z.
 - b) Rocks on the soil surface and in the soil profile are typically less than 20 percent cover/volume. ... R026XF048CA – CLAYPAN TERRACES
 - 2) Site does not have a root restrictive layer or an abrupt soil texture change.

a) Site typically has less than 15 percent cover or volume of rocks on the soil surface and subsurface. Both sites should be evaluated in the field for potential combination. See also R026XF049CA Intermediate mountains 6-12". ... R026XY020NV – SANDY 8-10 P.Z.

b) Site typically has greater than 15 percent rock cover or volume on the soil surface and subsurface.

(1) Site is found higher on the landscape, where the precipitation is typically between 10 to 12 inches. Soil is classified as a mollisol. Plant production is between 600 to 1,000 lbs per acre. ... R026XY008NV – GRANITIC FAN 10-12 P.Z.

(2) Site is found lower on the landscape, where the precipitation is typically between 8 to 10 inches. Soil is classified as an aridisol. Plant production is between 400 to 800 lbs per acre. ... R026XY016NV – LOAMY 8-10 P.Z.