

# Major Land Resource Area 027X

## Fallon-Lovelock Area

Accessed: 05/11/2025

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### Ecological site keys

#### Basins

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- I. Soil is moderately well, somewhat poorly, poorly, or very poorly drained.
  - A. Soil is very poorly drained with long duration ponding. ... R027XY001NV – WETLAND
  - B. Site does not experience long duration ponding.
    - 1 Sodium adsorption ratio is less than 13.
      - i. Seasonal water table is within 90 to 150 cm (35 to 59 inches). Site occasionally floods with an irregular decrease in organic matter. Clay is less than 5 percent. ... F027XY038NV – Flood Plain
      - ii. Seasonal water table is within 90 to 150 cm (35 to 59 inches), but other characteristics not as above.
        - a. Sodium adsorption ratio is less than 13. (See also R027XY004NV and R027XY069NV) ... R027XY002NV – MOIST FLOODPLAIN
        - b. Sodium adsorption ratio is greater than 13. (See also R027XY090NV) ... R027XY005NV – SALINE MEADOW
    - 2 Sodium adsorption ratio is greater than 13.
      - i. Electrical conductivity is less than 16 and the water table is 30 to 90 cm (12 to 35 inches). ... R027XY006NV – SALINE BOTTOM
      - ii. Electrical conductivity is greater than 16.
        - a. Water table is between 0 and 50 cm (0 and 19 inches). ... R027XY089NV – SODIC BOTTOM
        - b. Water table is between 50 and 100 cm (19 and 39 inches). ... R027XY077NV – MOIST SALINE FLAT
- II. Soil is well or excessively drained.
  - A. Site has sandy texture throughout and does not have rock fragments (site is typically excessively drained).
    - 1 Site occurs on dunes.
      - i. Sodium adsorption ratio is less than 4. ... R027XY023NV – DUNES 4-8 P.Z.
      - ii. Sodium adsorption ratio is greater than 4. ... R027XY016NV – SODIC DUNES
  - B. Soil not as above.
    - 1 Site occurs in an ephemeral drainageway. ... R027XY022NV – VALLEY WASH
    - 2 Landform not as above.
      - i. Site receives less than 5 inches of mean annual precipitation (MAP).
        - a. Site has greater than 35 percent rock fragments. ... R027XY043NV – COARSE GRAVELLY LOAM 3-5 P.Z.
        - b. Site has less than 35 percent rock fragments. ... R027XY060NV – SANDY 3-5 P.Z.
      - ii. Site receives more than 5 inches MAP.
        - a. Sodium adsorption ratio is greater than 30.
          - 1) Site experiences occasional ponding, is on less than 1 percent slopes, and occurs on alluvial flats. (See also R023XG047CA and R027XY094NV) ... R027XY025NV – SODIC FLAT
          - 2) Site does not experience ponding and occurs on fan skirts and/or lake terraces.
            - a) Soil has thin platy structure and has a well developed vesicular pores in the A horizon. It is

typically located on fan skirts. (See also R024XY003NV and R023XG046CA) ...

R027XY024NV – SODIC TERRACE

b) Soil has a thin platy structure and a well developed vesicular pores in the A horizon. It is typically found above fan skirts. (See also R027XY018NV) ... R027XY013NV – LOAMY 4-8 P.Z.

c) Soil has a thick platy structure and is typically found on lake terraces. ... R027XY041NV – DEEP SODIC FAN

b. Sodium adsorption ratio is less than 30.

1) Soil does not have a Bt horizon (less than 18 percent clay in the particle size control section). The water table is below 200 cm (79 inches). (See also R027XY078NV, this site is less calcareous throughout) ... R027XY036NV – DRY SODIC TERRACE

2) Soil has a Bt horizon (clay is between 18 and 35 percent in the particle size control section). This site does not have a water table. ... R027XY050NV – COARSE GRAVELLY LOAM 4-8 P.Z.