Major Land Resource Area 027X
Fallon-Lovelock Area

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Ecological site keys

Hills and Fans

I. Soil moisture regime is typic aridic.
  A. Soil depth is less than 50 cm (19 inches) to a root restrictive layer.
    1 Soil has granite parent material. ... R027XY047NV – ERODED GRANITIC SLOPE
    2 Parent material not as above.
      i. Soil formed in lacustrine deposits ... R027XY093NV – STONY TERRACE 4-8 P.Z.
      ii. Soil not as above.
        a. Site found on a dominantly south aspect. ... R027XY017NV – SOUTH SLOPE 4-8 P.Z.
        b. Site not found on a south aspect.
          1) Site occurs on summits. ... R027XY015NV – STONY LOAM 4-8 P.Z.
          2) Landscape position not as above.
            a) Soil lacks a subsurface clay accumulation (no argillic horizon). ... R027XY027NV – BARREN GRAVELLY SLOPE 4-8 P.Z.
            b) Soils have subsurface clay accumulation.
              (1) Soils are shallow to a duripan. ... R027XY018NV – GRAVELLY LOAM 4-8 P.Z.
              (2) Soil lacks a duripan. ... R027XY019NV – STONY SLOPE 4-8 P.Z.
  B. Soil is not as above, greater than 50 cm (19 inches) to a root restrictive layer.
    1 Soil is somewhat excessively drained or excessively drained.
      i. Site occurs on dunes. ... R027XY023NV – DUNES 4-8 P.Z.
      ii. Site does not occur on dunes.
        a. Site occurs on sandsheets. ... R027XY009NV – SANDY 5-8 P.Z.
        b. Site occurs on drainageways with occasional flooding. ... R027XY022NV – VALLEY WASH
    2 Soils are well drained.
      i. Soil is characterized by an argillic horizon (increase subsurface clay accumulation) and is loamy sand to loam on the soil surface. ... R027XY013NV – LOAMY 4-8 P.Z.
      ii. Soil is not as above and is effervescent throughout.
        a. Soil is violently effervescent throughout with a silt loam surface texture. ... R027XY014NV – COARSE SILTY 4-8 P.Z.
        b. Effervescence is strongest in the Bk horizon. The pH is greater than 9.0 in the Bk. Soil has a gravelly sandy loam surface texture. ... R027XY050NV – COARSE GRAVELLY LOAM 4-8 P.Z.

II. Soil moisture is aridic trending xeric.
  A. Soils were formed in alluvium.
    1 Soil is somewhat excessively drained or excessively drained.
      i. Site occurs on dunes and is sandy throughout. ... R027XY053NV – DUNES 8-10 P.Z.
      ii. Site occurs in ephemeral drainageways. ... R027XY029NV – GRAVELLY FAN 8-10 P.Z.
    2 Soil is well drained.

i. Soil parent material is granitic. ... R027XY067NV – GRANITIC LOAM 8-10 P.Z.

ii. Parent material is not granitic.

a. Elevation is less than 5,000 feet and occurs on inset fans. ... R027XY008NV – DROUGHTY LOAM 8-10 P.Z.

b. Elevation is greater than 5,000 feet and occurs on inset fans. ... R027XY045NV – SANDY 8-10 P.Z.

B. Soils were formed in residuum and/or colluvium.

1 Parent material is volcanic or mixed.

i. Site is found predominately on south aspects. ... R027XY051NV – SOUTH SLOPE 8-10 P.Z.

ii. Site is not found on south aspects.

a. Soil profile has an abrupt boundary to a Bt horizon (abrupt increase clay accumulation). ... R027XY020NV – SHALLOW CLAYPAN 8-10 P.Z.

b. Soils lack an abrupt boundary with clay accumulation.

1) Soil is loamy and rocky with less than 35 percent clay. ... R027XY007NV – LOAMY SLOPE 8-10 P.Z.

2) Soils are clayey and rocky with more than 35 percent clay.

a) Soils have carbonate accumulation on the bedrock contact. This soil/site supports little sagebrush (Artemisia arbuscula ssp. longicaulis). ... R027XY070NV – DROUGHTY CLAYPAN 8-10 P.Z.

b) Soil profile lacks carbonate accumulation on the bedrock contact. Soil/site supports black sagebrush (Artemisia nova). ... R027XY032NV – SHALLOW CALCAREOUS LOAM 10-12 P.Z.

2 Soils formed in granitic parent material.

i. Soil is characterized by a mollic epipedon. ... R027XY079NV – GRAVELLY CLAYPAN 8-10 P.Z.

ii. Soil is characterized by an ochric epipedon.

a. Soil has less than 18 percent clay and is on greater than 15 percent slopes...R027XY063NV

b. Soil has greater than 18 percent clay. ... R027XY068NV – GRANITIC CLAYPAN 8-10 P.Z.