

Major Land Resource Area 030X

Mojave Basin and Range

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Ecological site keys

LRU 30-1 AZ

- I. Flooded (bottom position, or receives additional moisture from the valley-side or over-bank) and/or having a water table within reach of plant roots
 - A. Flooding occurrence is at least rare; occurs on floodplain or low terrace of drainage way
 - 1 Soil surface clay loam to clay 4 to 10 inches thick. Less than 15 percent coarse fragments in soil profile ... R030XA103AZ – Clayey Bottom 3-6" p.z.
 - 2 Soil surface loam, fine sandy loam, or silt loam 4 to 8 inches thick ... R030XA110AZ – Loamy Bottom 3-6" p.z.
 - 3 Soil surface sandy loam to clay 6 to 12 inches thick. Soluble salt accumulations are high ... R030XA111AZ – Saline Bottom 3-6" p.z.
 - 4 Soil surface very gravelly loamy sand, very cobbly coarse sand, or gravelly loamy sand. Subsurface extremely gravelly loamy coarse sand, extremely gravelly coarse sand, very gravelly coarse loamy sand, gravelly loam sand, and/or extremely gravelly loamy sand ... R030XA115AZ – Sandy Wash 3-6" p.z.
 - B. Flooding occurrence is at least occasional and there is a water table during the growing season
 - 1 Soil surface very gravelly loamy coarse sand or very stony loamy coarse sand. Subsurface stony and/or extremely gravelly loamy coarse sand. Soil slightly to strongly effervescent ... R030XA112AZ – Sandy Terrace 3-6" p.z.
 - 2 Soil surface very cobbly to gravelly loamy sand. Subsurface extremely loamy coarse to extremely gravelly loamy coarse sand ... R030XA125AZ – Sandy Bottom 3-6" p.z. Wet
- II. Not Flooded (upland position, receives only precipitation)
 - A. Slopes Generally Less Than 15%
 - 1 Soil surface gravelly loam to very gravelly loam 2 to 6 inches thick. Soil is shallow to moderately deep to a layer high in lime content ... R030XA108AZ – Limy Upland 3-6" p.z.
 - 2 Soils Moderately Deep or Deeper
 - i. Soils calcareous
 - a. Soils skeletal, gravelly ... R030XA109AZ – Limy Upland 3-6" p.z. Deep
 - b. Soils skeletal, cobbly ... R030XA116AZ – Cobbly Limy Upland 3-6" p.z. Deep
 - c. Soils not skeletal ... R030XA105AZ – Limy Fan 3-6" p.z.
 - d. Soils fine sand, eolian ... R030XA121AZ – Limy Fan 3-6" p.z. Sandy
 - ii. Soils not calcareous throughout
 - a. Soil surface sandy loam, not skeletal throughout ... R030XA114AZ – Sandy Loam Upland 3-6" p.z.
 - b. Soils sand throughout, occurs as stable dunes ... R030XA113AZ – Sandy Upland 3-6" p.z.
 - B. Slopes Generally Greater Than 15 percent
 - 1 Soils very shallow, shallow to moderately deep
 - i. Parent material is basalt, exposed bedrock is nearly black in color ... R030XA101AZ – Basalt Hills 3-6" p.z.
 - ii. Parent material is mixed igneous and metamorphic alluvium. ... R030XA120AZ – Sandy Loam Hills 3-

6" p.z. Limy, Gravelly, Shallow

iii. Hard granite of gneiss bedrock at 6 to 16 inches ... R030XA104AZ – Granitic Hills 3-6" p.z.

iv. Andesite bedrock at 9 to 13 inches ... R030XA118AZ – Volcanic Hills 3-6" p.z.

2 Soils moderately deep to deep

i. Terraces adjacent to the Colorado River; soil textures variable ... R030XA102AZ – Breaks 3-6" p.z.

ii. Summits and backslopes of fan terraces ... R030XA107AZ – Limy Slopes 3-6" p.z.

iii. Soil with visible gypsum crystals ... R030XA123AZ – Gypsum Hills 3-6" p.z.