

Major Land Resource Area 030X

Mojave Basin and Range

Accessed: 12/22/2024

Ecological site keys

Volcanic-surface geology is clearly of volcanic origin

I. Landforms are extrusive volcanic hills, mountains, or plateaus

A. Slope is greater than 30 percent

1 Soils are moderately deep to a lithic contact.

i. Soils have an argillic diagnostic subsurface horizon ... R030XA045CA – Volcanic Hill

2 Soils are very shallow to shallow to a lithic contact.

i. Total surface cover of all rock fragments (gravels, cobbles, and stones) is greater than 60 percent. ... R030XB072NV – STONY SLOPE 5-7 P.Z.

ii. Stones and boulders over 10 inches wide and rock outcrop compose greater than 15 % of the surface cover ... R030XB067NV – BOULDERY HILL 5-7 P.Z.

iii. The soil of this ecological site is very shallow to shallow. The soil's patent material is andesite alluvium and colluvium. ... R030XB243CA – Andesite Hills

iv. An argillic horizon occurs from 4 to 15 inches. Depth to bedrock is 4 to 20 inches. ... R030XC236CA – Lithic Slopes

3 Very deep soils (greater than 60 inches) with an argillic horizon, generally less than 15% cobbles and stones. ... R030XC234CA – Fine-Loamy Very Deep Slopes

B. Slope is typically less than 30%

1 Soils are typically shallow to moderately deep over a lithic contact.

i. Total surface cover of all rock fragments (gravels, cobbles, and stones) is greater than 60 percent. ... R030XB070NV – VOLCANIC HILL 5-7 P.Z.

ii. Stones and boulders over 10 inches wide and rock outcrop compose less than 15 % of the surface cover. ... R030XB073NV – VOLCANIC SLOPE 5-7 P.Z.

iii. Basalt Lava Flow

a. Surface textures are extremely gravelly fine sandy loams. Subsurface textures are loams. ... R030XB130CA – Lava Flow 3-5

b. Generally greater than 15% boulders AND rock outcrop on the surface. Soils are calcareous and alkaline, with calcium carbonate accumulation in subsurface horizons ... R030XD152CA – Hyperthermic Saline Hill

2 Soils are deep to a lithic contact.

i. Soils have a calcic and an argillic horizon and are strongly to moderately alkaline. ... R030XB066NV – BASALTIC FAN 5-7 P.Z.