

Major Land Resource Area 030X

Mojave Basin and Range

Accessed: 05/11/2025

Ecological site keys

Basin Floor-including alluvial flat, alluvial plain, lake plain, and playa landforms

I. Site occurs as part of the alluvial flat.

A. Site is part of a lake plain, a nearly level surface marking the floor of an extinct lake.

- 1 Water table is within 30 feet causing the presence of mesquite. ... R030XA023CA – Loamy Bottom 5-7
- 2 Water table is below 30 ft. with no presence of mesquite. ... R030XA009CA – Alkali Flat 5-7
- 3 Water table is deeper than 30 ft and site exists on a lake plain (vegetated whereas playa floor is barren).
... R030XA096NV – COARSE SILTY 3-5 P.Z.
- 4 Saline and/or sodic soils
 - i. Relict alluvial flat ... R030XB025CA – Sodic Flat
 - ii. Water table is deeper than 30 ft. Inset fans within lake terrace, above the flood level of the flood-plain step and/or fan skirts over playa floor. ... R030XB114NV – SODIC LOAM 3-5 P.Z.
- 5 Some ponding likely, watershed size is less than 75,000 acres. ... R030XB047NV – ALLUVIAL PLAIN
- 6 Water table is below 30 feet. No ponding is evident. ... R030XB046NV – OUTWASH PLAIN

B. Material over and adjacent to lake plain

- 1 Site occurs on alluvium washed over a lake terrace. ... R030XA022CA – Loamy 5-7
- 2 Wash or inset fan closely associated with soils having a natric horizon ... R030XA023CA – Loamy Bottom 5-7
- 3 Site occurs on an upper lake terrace. ... R030XB049CA – Lake Terrace
- 4 Site occurs on a lower lake terrace. ... R030XB006NV – LOAMY 5-7 P.Z.

II. Site occurs as part of a playa

A. Water table within 30 ft (9m) of soil surface (Mesquite is often present)

- 1 . Soils with aquic conditions ... R030XB023CA – Saline Meadow
- 2 Soils without aquic conditions ... R030XB045CA – Lake Plain
- 3 This ecological site occurs on flat, frequently ponded playa margins where the water table is shallow to the soil surface. Occasional ponding that may be of long duration, a shallow water table, and salic soils in an extremely arid and warm climate on the edges of soft playa margins are the dominant features driving this ecological site. ... R030XD226CA – Alkaline Meadow

B. The site is subject to some flooding and ponding

- 1 Gypsic or salic horizon present ... R030XY129CA – Gypsic Flat 3-5" P.Z.