Major Land Resource Area 030X
Mojave Basin and Range

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Ecological site keys

Streams-major basin and range drainage systems

I. Head waters are generally between 1100-1700 m (3600-5575 ft) and higher

A. Water table at or near the surface

1 Outer margins of stream terrace ... R030XB020NV – LOAMY BOTTOM

2 Immediately adjacent to perennial stream or river ... R030XB021NV – STREAMBANK

3 This site occurs on large sized (typically order 3) ephemeral drainageways with braided channels at elevations of approximately 4,000 to 6,000 feet.These drainages provide a relatively consistent deep-water source, which supports desert willow communities. ... R030XY219CA – Ustic Ephemeral Drainageway Order 3

4 This site occurs on large sized (typically order 3) ephemeral drainageways with braided channels at elevations of approximately 3,000 to 4,500 feet.These large drainages provide a relatively consistent deep-water source, which supports desert willow communities. ... R030XY222CA – Typic Aridic Ephemeral Drainageway Order 3 4-7" p.z.

5 [Criteria]

B. No water table at or near the surface. This ecological site describes the complex dynamics of first and second order ephemeral streams with disturbances dominated by flash flood events. ... R030XB186CA – Mid Size Thermic To Hyperthermic Ephemeral Stream

C. Water table not near the surface.

1 Drains upper fan piedmont slopes Order 2-3 ephemeral stream ... R030XC047CA – Bi-Modal Semi-Arid Order 3 Ephemeral Wash

2 This ecological site occurs on narrow, gently sloping, first and second order ephemeral drainageways. The soils associated with this site are very deep, sandy soils formed in alluvium from metamorphic and sedimentary rock. ... R030XY227CA – Sandy Thermic Narrow Channels

3 Elevations range from 4000 to 6000 feet. ... R030XC032NV – UPLAND WASH

4 This ecological site occurs on moderate sized (generally order 2) ephemeral drainageways and associated landforms at elevations of 3,410 to 5,510 feet. ... R030XY220CA – Ustic Ephemeral Drainageways Order 2

II. Head waters are generally below 1100 m (3600 ft)

A. Stream order is greater than 2

1 Stream order is 2-4

i. This site often begins at slope break between steeper mountains and aggrading alluvial fans, or where two second order streams merge. These drainages provide a relatively consistent deep-water source, which supports desert willow communities. ... R030XB167CA – Large, Sandy, Thermic, Ephemeral Stream

ii. The main channels provide a deep water source and a frequent flooding regime, which support desert willow (Chilopsis linearis), catclaw acacia (Acacia greggii) and smoketree (Psorothamnus spinosus). ... R030XD010CA – Frequently Flooded, Gravelly, Hyperthermic To Warm-Thermic Ephemeral Stream