Active stream channel and most recently abandoned channel. No pavement development or soil development. Deposits are up to 1 m above active channel. Youngest surface in field area.

Undissected, bouldery bar-and-swale pavements 0 to 1.5 m above stream channels. Small patches of moderate to immature desert pavement developed, with immature to moderate rubification on clasts.

Moderate to intermediate desert pavement, with subdued bar and swale relief of 0.25 to 0.75 m. Deposits are 1 to 2 m above the active channel, and surface clasts are generally interlocking with moderate rubification and varnish, varying in size from pebbles to moderately sized cobbles.

Undissected, bouldery bar-and-swale pavements 1.5 to 3 m above stream channels.

Well-developed desert pavement, with rounded morphology, and little to no bar and swale relief. Deposits follow an elevation contour, and are discontinuous.

Well-developed mature desert pavement, with rounded morphology, and little to no bar and swale relief. Surfaces are 1.5 to 4 m above the active channel, and clasts are interlocking, dominated by pebbles with occasional cobbles. The tops of surface clasts have distinctive well-developed varnish, while clast undersides are highly rubified.

The Q2b deposit is >3 m above the active channel and characterized by smooth pavements, rounded hillslopes, moderate dissection, and subdued bar and swale morphology of <0.25 m. Clasts are interlocking, with pebbles to cobbles, and occasional boulders are exposed at the surface. Varnish and rubification development are generally moderate to high, and is underlain by a well-developed soil.

Dissected remnants of pavements 4 to 10 m above stream channels.

In-place bedrock.

Well-developed mature desert pavement, with negligible bar and swale and slight dissection. Surfaces are 1.5 to 4 m above the active channel, and clasts are interlocking, dominated by pebbles with occasional cobbles. The tops of surface clasts have distinctive well-developed varnish, while clast undersides are highly rubified.

Moderate to intermediate desert pavement, with subdued bar and swale relief of 0.25 to 0.75 m. Deposits are 1 to 2 m above the active channel, and surface clasts are generally interlocking with moderate rubification and varnish, varying in size from pebbles to moderately sized cobbles.

Undissected, bouldery bar-and-swale pavements 1.5 to 3 m above stream channels.

Pluvial lake deposit

Figure DR1. Surficial geologic map along the northwest Lone Mountain and Weepah Hills piedmonts