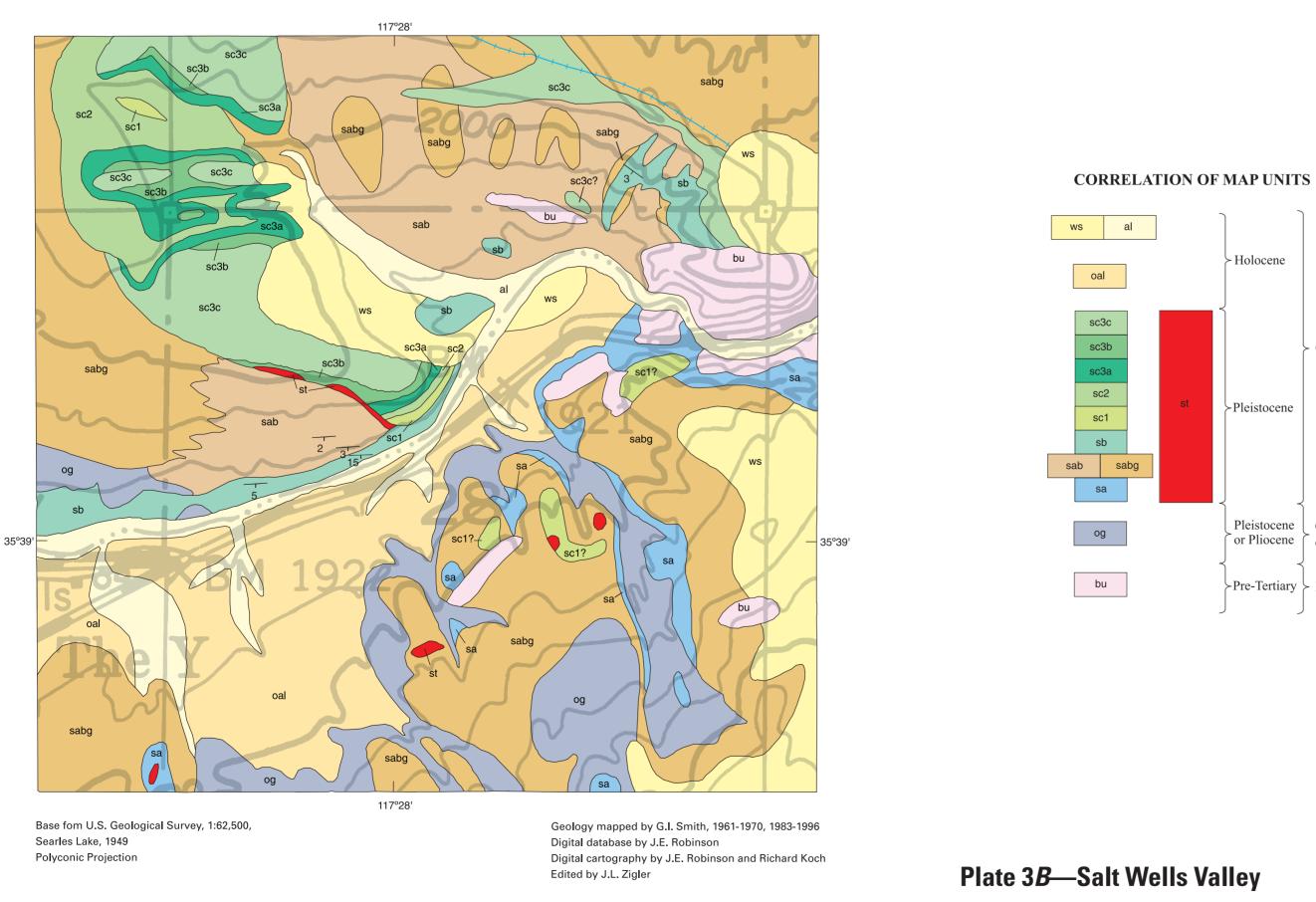
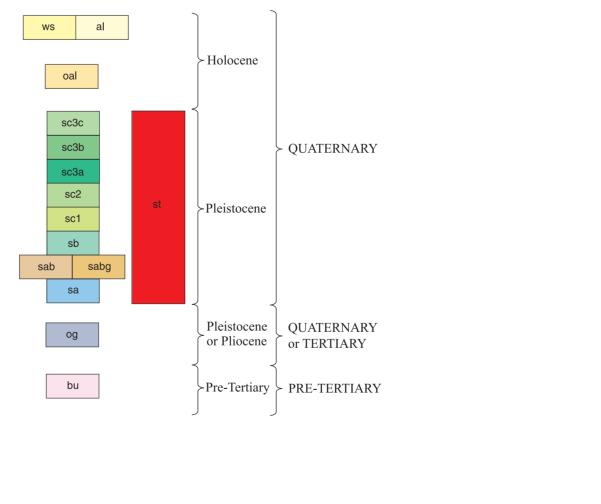


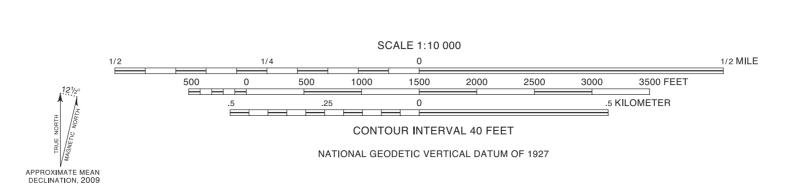
Silt and clay—Lacustrine deposits; white on weathered surface, grayish-green on fresh surface; laminated to thinly bedded, gypsum crystals common; thin orange tuff(?) bed 1 to 3 m above base; contains ostracodes and molluscs in western half of map area **Gravel**—Lacustrine deposits; dark-brown on weathered surfaces, pebble-sized fragments, well sorted and rounded **Unit BC (upper Pleistocene)** Sand and gravel—Mostly lacustrine deposits, some alluvial zones; tan to orange; sand coarse to very coarse, commonly displays pronounced deltaic structures; brown nodose tufa common along basal contact; soil developed on upper surface **Gravel**—Lag gravel deposited on surfaces when shorelines of this age were carved on older alluvial gravels; fragments are cobble and boulder sizes, abundant nodose tufa fragments; soil developed on upper surface Unit B (upper Pleistocene) Silt—Greenish-gray; thinly bedded; scattered snails and clams Sand—Medium to coarse; tan; grading down to silt and very fine sand; greenishgray; prominently laminated Sand—Very fine to medium sand grading down to silt; laminated; sand highly calcareous; unit notably lenticular **Sand**—Fine grained; gray-orange; ripple marks sb3 Silt and sand—Massive; greenish-gray; very fine sand Sand—Medium-orange; some ulexite, snails, and clams Silt grading up to sand—Lacustrine deposits; greenish-orange to greenish-gray, micaceous sand is medium to fine, very well sorted, poorly bedded; silt grades **Gravel**—Lacustrine deposits; weathers dark-gray to brown; composed of angular to rounded pebbles and cobbles; some sand; highly calcareous; unit notably lenticular **Unit AB (upper Pleistocene) Gravel and sand**—Mostly lacustrine deposits, some alluvial or lag gravels; grayish-orange; orange hues especially intense in upper 0.5 to 2 m; locally, a 0.3–1 m bed of greenish lacustrine silt and sand in middle of unit

Sand and silt—Lacustrine deposits; greenish gray to tan; numerous resistant, fine-sand lenses mostly <15 cm thick; 0.2–3 m of indurated white silt at base Sand—Lacustrine deposits; tan to yellowish gray in some areas, orange in others; very coarse, prominent gravel layer at top locally contains molluscs and ulexite sab4 Silt—Lacustrine deposits; white in lower part, greenish in upper part; nodose tufa layer and orange tuff(?) layer one-third up section Sand—Lacustrine deposits; orange to tan; medium to very coarse; locally fine; some interbeds of silt; concentration of pebbles and molluscs at top contact sab2 **Silt and sand**—Lacustrine deposits; tan to green; sand very fine; massive to faint sab1 Sand—Lacustrine deposits; tan, locally orange or brown; fine to very coarse; gravel layers at base and top of unit; some molluscs **Unit A (upper Pleistocene) Silt and sand**—Lacustrine deposits; weathers very light green to white; sand is fine; massive to faintly bedded; near north edge of this map, member consists of alternating lacustrine sand and alluvial gravel; calcareous soils developed on and **Gravel**—Lacustrine deposits; weathers dark-brown to gray; well rounded, well sorted, pebble to boulder; massive; deposits include lag gravels on surfaces of older gravels with shorelines of this age carved on them **Tufa, undivided (upper Pleistocene)**—Lacustrine deposits; tufa; brown nodose (aragonite) tufa; overlies tan lattice-textured (calcite) tufa Older gravel (middle to lower Pleistocene or Pliocene) Alluvial deposits—Weathers to dark-orange-brown; pebble to cobble-sized fragments are angular to subangular; soil development variable Alluvial deposits—Weathers to very dark gray or brown; cobble to boulder-sized fragments are subangular to subrounded; local strongly developed calcic soil Bedrock (pre-Tertiary)—Undifferentiated bedrock, mostly plutonic types, some dikes Contact—Queried where gradational or poorly exposed Tufa-lined channels

Plate 3.4—Poison Canyon







DESCRIPTION OF MAP UNITS [See plate 1 for map location. Searles Lake Formation is a newly accepted formation described in the text. Note unit names may change from map to map]

Strike and dip of beds

Windblown sand and colluvium (uppermost Holocene)—Windblown sand mixed with colluvial pebbles Alluvium (uppermost Holocene)—Gravel and sand, in active channel Older alluvium (upper and middle Holocene)—Medium to coarse sand, some pebbles, inactive, forms smooth, nearly channel-free inactive surfaces Searles Lake Formation (middle Holocene to upper Pleistocene) **Unit C (upper Pleistocene)** Sand and gravel—Lacustrine deposits; gray; sand is medium to very coarse, moderately well sorted; gravel is fine; weak lag gravel developed on surfaces; fragments and beds of nodose tufa locally present Sand—Lacustrine deposits; grayish-orange; deltaic bedding; locally a thin bed of nearly white very fine sand near top Silt and sand—Lacustrine deposits; light-green, calcareous, oolitic, massive to faintly bedded Sand—Lacustrine deposits; grayish-orange, fine to coarse, well sorted; foreset beds common; a 1-m-thick silt layer locally in middle of unit Silt and gravel—Lacustrine deposits; mostly green calcareous silt, gypsiferous in upper part; poorly bedded; some pebble gravels; aragonitic nodose tufa locally deposited on underlying surfaces prior to deposition of unit Unit B (upper Pleistocene) Silt, sand, and gravel—Lacustrine deposits; silt and fine sand, grayish-green; thin bedded but not laminated; contains dark-brown organic(?) fragments, numerous mud-crack structures; locally fractured and contorted; coarse sand beds are orangegray to yellowish-gray, 10 to 50 cm thick; gravel is yellowish-gray, well bedded; rounded fragments as much as 2 cm long form 5–20% of strata **Unit AB (upper Pleistocene) Gravel**—Alluvial and lake-transported deposits; upper 10–20 cm of gravel generally stained dark-orange-brown; composed mostly of subangular to subrounded fragments of hypabyssal dike rocks, as much as 15 cm across, that in places were transported horizontally by currents in a lake; unit forms a cap on the bar in northeast corner of map; moderately strong calcareous soil locally developed on surfaces Sand and silt—Lacustrine with some thin alluvial(?) deposits; sand is fine to medium; unit is grayish-orange to light tan; forms the bulk of a northwesttrending bar in northeast corner of map **Unit A (upper Pleistocene)** Silt, sand, and gravel—Lacustrine deposits, tan to gray, calcareous, well bedded, moderately well indurated; some zones of tan, calcite-cemented sand; ostracodes locally; unit restricted to area south of highway Tufa, undivided (upper Pleistocene)—Lacustrine deposits; nodose and lithoid tufa Older gravel (middle to lower Pleistocene or Pliocene)—Alluvial gravels; light- to dark-brown, reddish-gray, or gray, cobble- to boulder-size fragments in finer matrix (larger clasts are not well rounded), local well-developed calcareous soil Bedrock (pre-Tertiary)—Undifferentiated bedrock, mostly plutonic types, some Contact—Certain Crest of lacustrine bar Strike and dip of beds