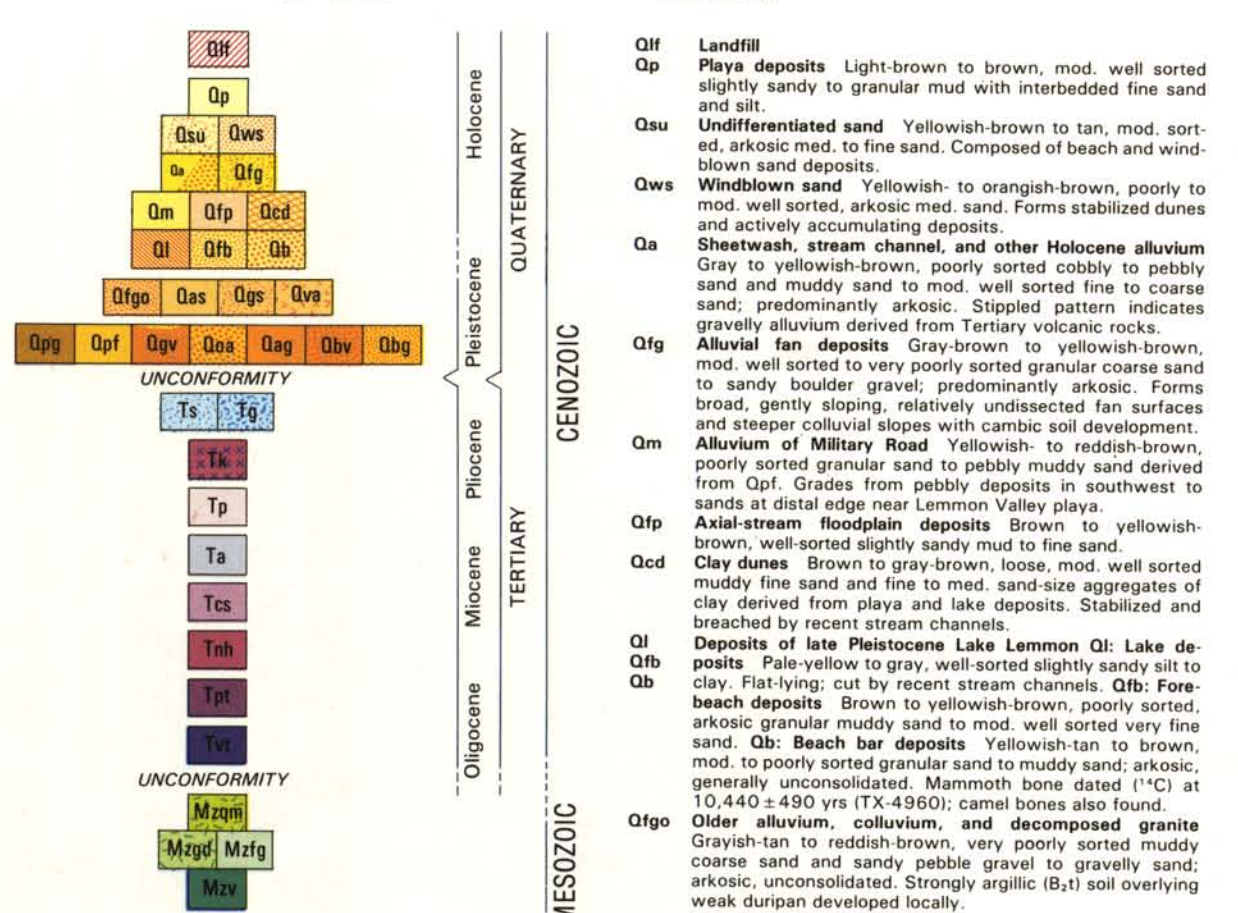
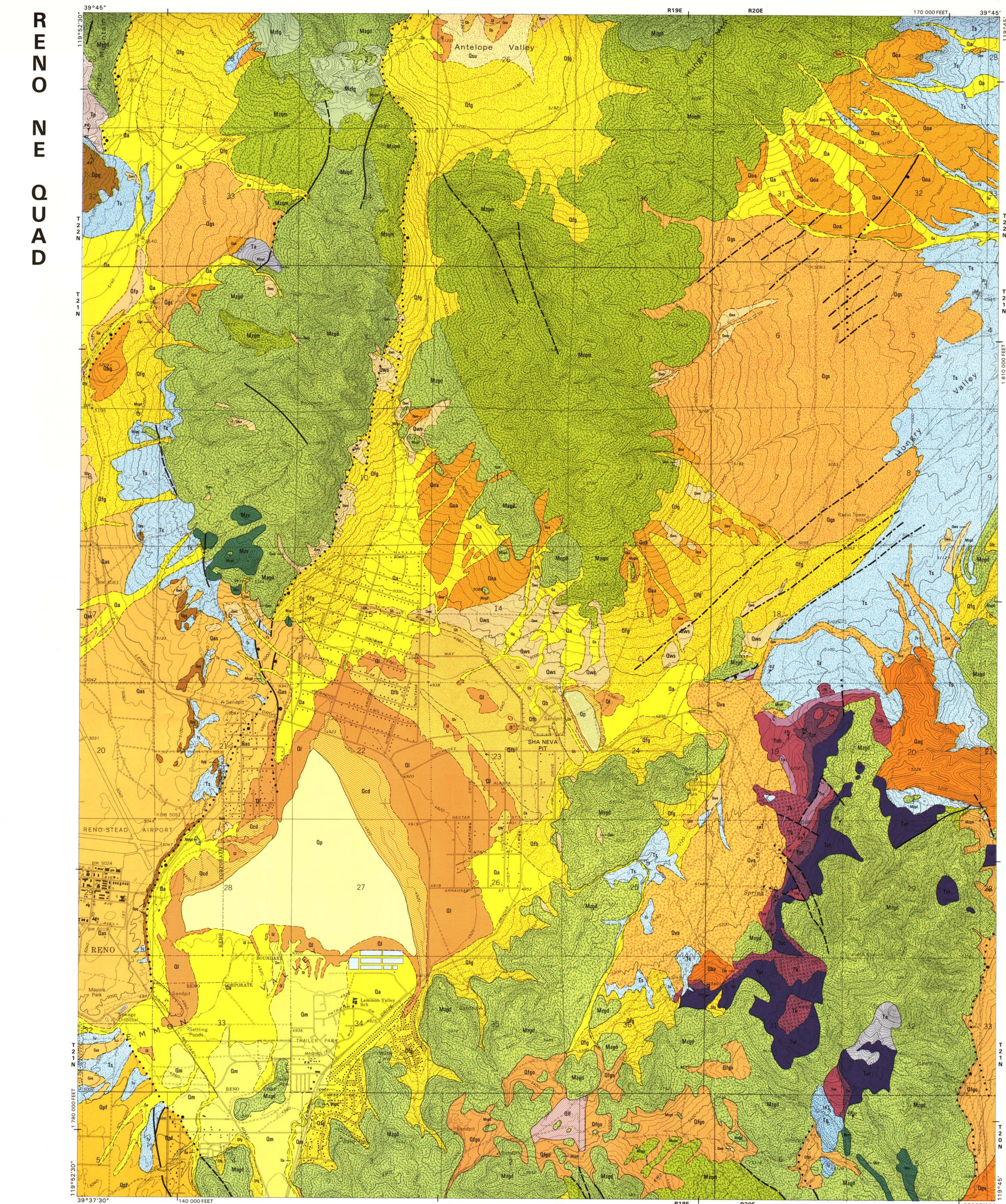


RENO
NE
QUAD

GEOLOGY



Qas Alluvium of Stead Airport Reddish-brown, very poorly sorted, arkosic pebbly muddy sand derived from Qap and Qpf. Mod. developed argillite (Bt) soil. Forms thin (< 2 m) veneer overlying Ts.

Qgs Granitic alluvial fan deposits Pinkish- to yellowish-brown, poorly to very poorly sorted granular sand. Well-developed argillite (Bt) soil. Pebble and cobble ventifacts common at surface.

Qva Volcanic alluvium Brownish-red to dark-yellowish-brown, very poorly sorted pebbly muddy sand to muddy gravel and bouldery gravelly sand. Mod. dissected. Well-developed argillite (Bt) soil. Forms thin (< 2 m) veneer overlying Ts.

Qpg Pediment gravels Tan to dark-reddish-brown, very poorly sorted cobbly sand to sandy gravel. Clasts predominantly granitic; some Tertiary volcanic and Mesozoic metavolcanic rock fragments. Strongly argillite (Bt) soil with well-developed durpan (Ca).

Qpf Alluvial fan deposits of Peavine Mountain Reddish-brown to dark-yellowish-brown, poorly to very poorly sorted, poorly bedded muddy sandy pebble gravel. Commonly forms multicolored desert pavement composed primarily of altered andesite pebbles, arkosic sand, and lesser amounts of jasper, quartz, and metavolcanic clasts. Well-developed argillite (Bt) soil. Forms thin (< 2 m) veneer overlying Ts.

Qgv Old gravelly alluvium Tan to reddish-brown, very poorly sorted cobbly muddy fine sand to gravelly sand. Predominantly arkosic with some rounded, carbonate-coated volcanic pebbles and cobbles (probably derived from Tg). Poorly indurated with strongly developed soil profile.

Qoa Old alluvium Tan to brown, very poorly sorted, mod. consolidated silt to unconsolidated gravelly sand and muddy sandy pebble gravel. Occurs as deeply dissected fan remnants. Strongly developed argillite (Bt) soil with weak durpan (Ca).

Qag Old alluvial gravels Dark-reddish-gray, very poorly sorted sandy cobbly to boulder gravel. Predominantly Tertiary volcanic clasts; minor granitic clasts. Strongly developed soil with durpan.

Qbv Boulder alluvium Tan to dark-gray, very poorly sorted sandy boulder gravel. Clasts predominantly granitic with lesser amounts of Tertiary tuffs, Kate Peak Formation, Peavine sequence, and Mesozoic basalt.

Qbg Granitic boulder alluvium Gray to brown, very poorly sorted sandy boulder gravel. Well-developed argillite (Bt) soil.

Ts Tertiary sediments Cream to gray to pale-green, thick, interbedded alluvial and fluvio-lacustrine basin-fill sediments. Includes interbedded, unconsolidated to mod. well consolidated arkosic sandy gravel, gravelly sand, granular to very fine grained sand, tuffaceous sandstone, volcanic oolite-bearing sandstone, slightly diatomaceous siltstone, and thin lenses of air-fall tuff. Commonly highly dissected and overlain by veneer of pebbly sand or lag gravel. Probably equivalent in age to sandstone of Hunter Creek (Bonham and Binger, 1973).

Tg Tertiary gravels Gray to brown, very poorly sorted, mod. indurated, stratified bouldery cobbly gravel to sandy gravel with thin, interbedded lenses of volcanic sandstone. 60% clasts of Tertiary volcanic rocks and basalt; 40% highly weathered to disintegrated granitic clasts. Well-developed durpan (Ca) > 3 m thick.

Tk Kate Peak Formation Gray to reddish-gray, porphyritic to glomeroporphyritic, hornblende-biotite andesite flows. Vuggy, highly resistant to weathering. Forms rugged, bouldery outcrops.

Tp Pyramid sequence Dark gray to reddish-purple, porphyritic basaltic andesite flows and agglomerate. Vesicular to scoriaceous near flow tops.

Ta Alta Formation Dark gray to reddish-brown, thin, porphyritic pyroxene andesite flows. Distinctive platy fracture.

Tes In previous publications, the Tertiary tuffs described below were considered units of the Hartford Hill Rhyolite. However, this nomenclature has been abandoned (Binger, 1978), and they are now distinct formations.

Tnh Nine Hill Tuff Reddish-purple to pale-orange-red, pumiceous, rhyolite vitric tuff. Densely welded, devitrified, stretched and flattened pumice lapilli. Vugs with vapor-phase crystallization products common. Forms distinct ridges.

Tpt Pumice tuff Pale to dark-gray, very pumiceous vitric-crystal tuff. Usually poorly welded, fine- to med-grained, glassy, shard-rich ash with abundant pumice lapilli; phenocrysts of sandstone, quartz, few lithic fragments. Includes densely welded perlitic vitrophyre. Easily weathered, rarely crops out.

Tvt Vitric tuff Cream to yellowish-tan to pale-purple rhyolitic to rhodochoric vitric to vitric-crystal tuff. Includes a variety of poorly to densely welded tuffs with sandstone, sandstone-smoky quartz, plagioclase-biotite, or biotite phenocrysts in a devitrified, locally pumiceous, fine-grained matrix. Forms resistant, knobby outcrops where densely welded.

Mzqm Quartz monzonite Pink to pale-gray, massive, med- to coarse-grained, equigranular to porphyritic quartz monzonite to granite. Includes extensive apophyses, graphic granite, quartz veins, and pegmatite dikes. Generally deeply weathered; forms low, rounded outcrops.

Mzgd Granodiorite Light- to dark-gray, fine- to coarse-grained, equigranular to porphyritic hornblende-biotite granodiorite. Mod. to highly fractured and faulted. Cut by basalt and apophyses of pegmatite dikes and quartz and epidote veins. Highly resistant to weathering; forms blocky, jagged outcrops.

Mzfg Foliated granitic rocks Pinkish- to dark-gray, fine- to coarse-grained, equigranular, weakly foliated to gneissic diorite to granodiorite.

Mzv Peavine sequence White to dark-gray rhyolitic to andesitic metavolcanic rocks. Commonly porphyritic; copper mineralization locally. Forms resistant, knobby outcrops that are highly fractured to sheared in mineralized areas.

Scale 1:24,000
CONTOUR INTERVAL 20 FEET
DOTTED LINES ARE 10-FOOT CONTOURS

0 0.5 1 mile
0 1000 2000 3000 4000 5000 feet

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