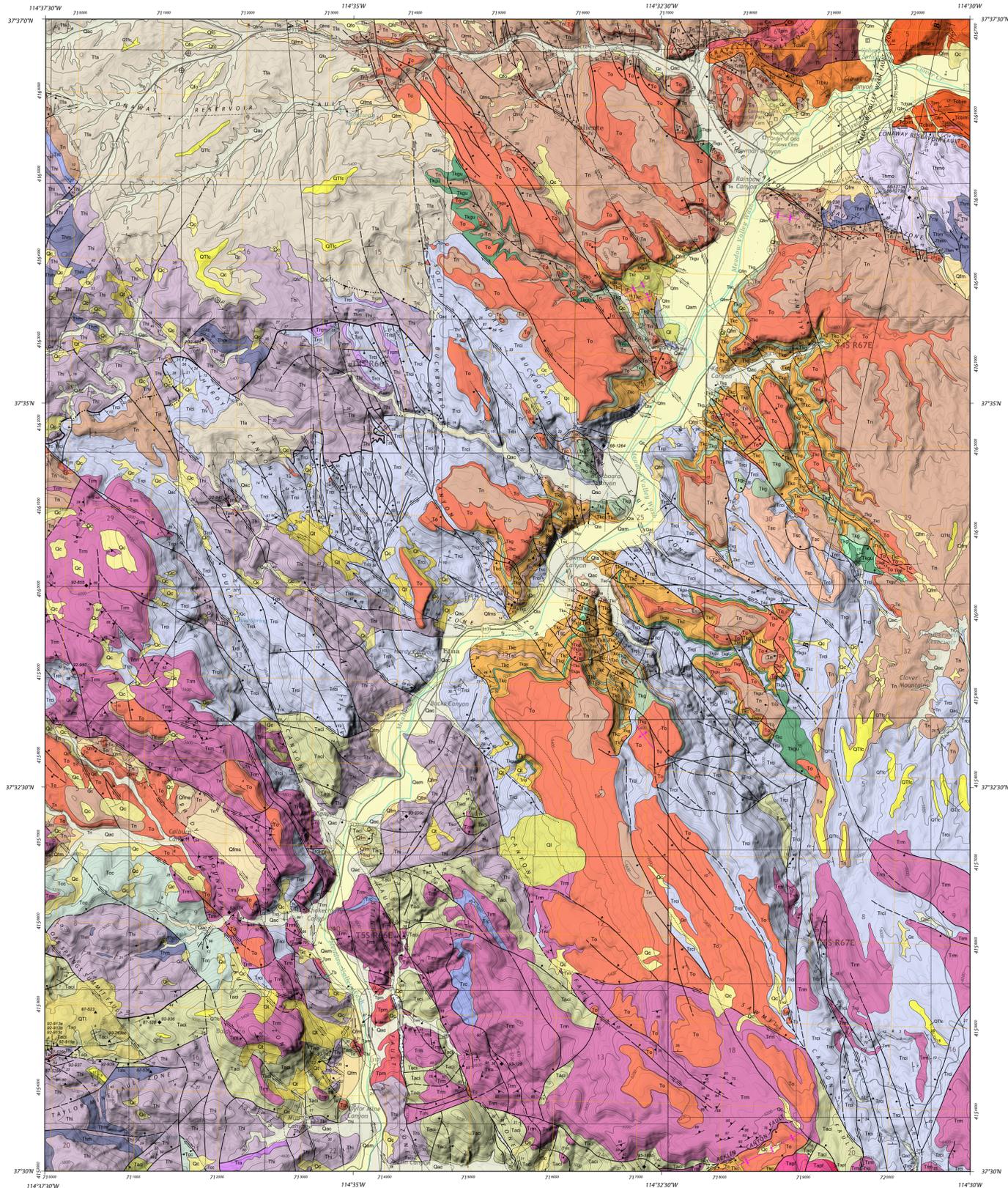


GEOLOGIC MAP OF THE CALIENTE QUADRANGLE, LINCOLN COUNTY, NEVADA

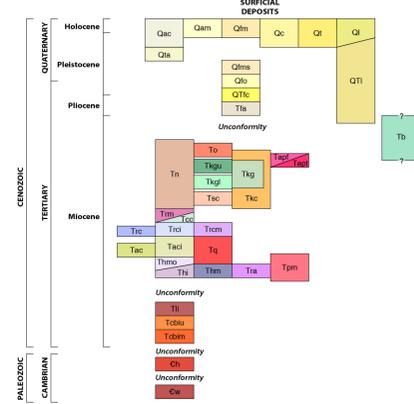
Peter D. Rowley¹, Lawrence W. Snee², R. Ernest Anderson³, Ralph R. Shroba⁴, and F. William Simonds⁵

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2025



CORRELATION OF GEOLOGIC UNITS



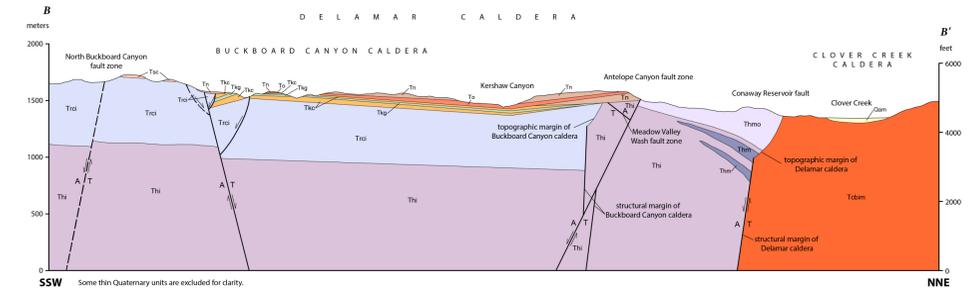
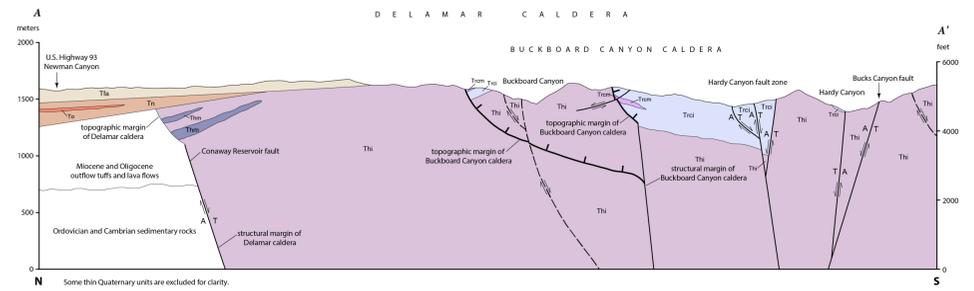
MAP SYMBOLS

- Contact** Solid where certain, dashed where approximately located, dotted where concealed.
- Normal fault** Solid where certain and location accurate, dashed where approximately located, dotted where concealed. Showing dip value and direction, ball on downthrown side. In cross section, arrows show relative motion.
- Strike-slip fault** Solid where certain and location accurate, dashed where approximately located, dotted where concealed. Showing dip value and direction, inclined tickline showing plunge, arrows show relative motion. In cross sections, A—away from observer, T—toward observer.
- Oblique-slip fault** Solid where certain and location accurate, dashed where approximately located, dotted where concealed. Showing dip value and direction, inclined tickline showing plunge, ball on downthrown side, arrows show relative motion. In cross sections, A—away from observer, T—toward observer, arrows show relative motion.
- Caldera margin** Solid where certain and location accurate, dashed where approximately located, dotted where concealed. Ticks point into caldera.
- Breccia** Pattern where fault is a wide zone of breccia.
- Anticline** Solid where certain and location accurate, dashed where approximately located, dotted where concealed.
- Syncline** Solid where certain and location accurate, dashed where approximately located, dotted where concealed.
- Line of cross section** A—away from observer, T—toward observer, arrows show relative motion.
- Strike and dip of bedding**
 - ↗ Inclined
 - ↔ Horizontal
 - ↘ Inclined
- Strike and dip of flow foliation**
 - ↗ Inclined
 - ↔ Inclined
- Geochemistry sample** Label shows sample number; See Table 1 in accompanying text.
- Geochronology sample** Label shows sample number; See Table 2 in accompanying text.

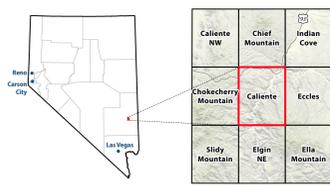
GEOLOGIC UNITS

See accompanying text for full descriptions and references for this map.

- QUATERNARY DEPOSITS**
 - Qac Alluvium and colluvium, undivided (Holocene and late Pleistocene)
 - Qam Main-stream floodplain alluvium (Holocene and latest Pleistocene)
 - Qm Fan alluvium of Meadow Valley (Holocene and latest Pleistocene)
 - Qc Colluvium (Holocene and late Pleistocene)
 - Qi Talus and minor hilllope colluvium (Holocene and late Pleistocene)
 - Ql Landslide deposits (Holocene and late Pleistocene)
 - Qta Terrace alluvium (late Pleistocene)
 - QTI Old landslide deposits (Pleistocene, Pliocene, or late Miocene)
 - QTIa Fan alluvium of Miller Spring Wash (middle Pleistocene)
 - QIO Fan alluvium of Odborow Ranch (early Pleistocene)
 - QITa Fan alluvium of Chief Mountain (early Pleistocene or late Pliocene)
- TERTIARY ROCKS**
 - Tfa Fan alluvium of Antelope Canyon (Pliocene)
 - Tb Basalt (Miocene)
 - Tn Sedimentary rocks of Newman Canyon (Miocene)
 - To Ox Valley Tuff (Miocene)
 - Tkc Tuff of Kershaw Canyon (Miocene)
 - Aphyric rhyolite of Pennsylvania Canyon (Miocene)**
 - Tkx Lava flows
 - Tkx Tuff
 - Tkg Gregerson Basin Member of the Kane Wash Tuff (Miocene)
 - Tkgu Upper unit
 - Tkgl Lower unit
 - Tfc Tuff of Sawmill Canyon (Miocene)
 - Tfm Rhyolite lava flows of Meadow Valley Wash (Miocene)
 - Tcc Tuffaceous sediments of Chokecherry Canyon (Miocene)
 - Tuff of Rainbow Canyon (Miocene)**
 - Tfci Intracaldera tuff
 - Tfco Outflow tuff
 - Tfcm Intracaldera megabreccia deposits
 - Tuff of Acklin Canyon (Miocene)**
 - Tfai Intracaldera tuff
 - Tfao Outflow tuff
 - Tfz Quartz veins of Taylor Mine (Miocene)
 - Tfm Rhyolite of Meadow Valley Wash (Miocene)
 - Hiko Tuff (Miocene)**
 - Thmo Most deposits
 - Thi Intracaldera deposits
 - Thm Intracaldera megabreccia deposits
 - Tha Rhyolite of Applewhite Spring (Miocene)
 - Thi Lava flows of Indian Cove (Miocene)
 - Bauers Tuff Member of the Condor Canyon Formation (Miocene)**
 - Tfca Upper part of intracaldera facies
 - Tfcb Main body of intracaldera facies
- PALEOZOIC SEDIMENTARY ROCKS**
 - Ch Highland Peak Formation (Upper and Middle Cambrian)
 - Cw Wood Canyon Formation (Lower Cambrian)



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Scale 1:24,000
0 0.5 1 KILOMETER
0 0.5 1 MILE
0 1,000 2,000 3,000 4,000 5,000 FEET

CONTOUR INTERVAL 40 FEET
Projection: Universal Transverse Mercator, Zone 11, North American Datum 1983 (m)
Base map: U.S. Geological Survey Caliente 7.5' quadrangle (2011)
Hillshade: Derived from 1/3 arc second data from The National Map.

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