

Geologic Map of the Henkle Butte Quadrangle, Deschutes County, Oregon

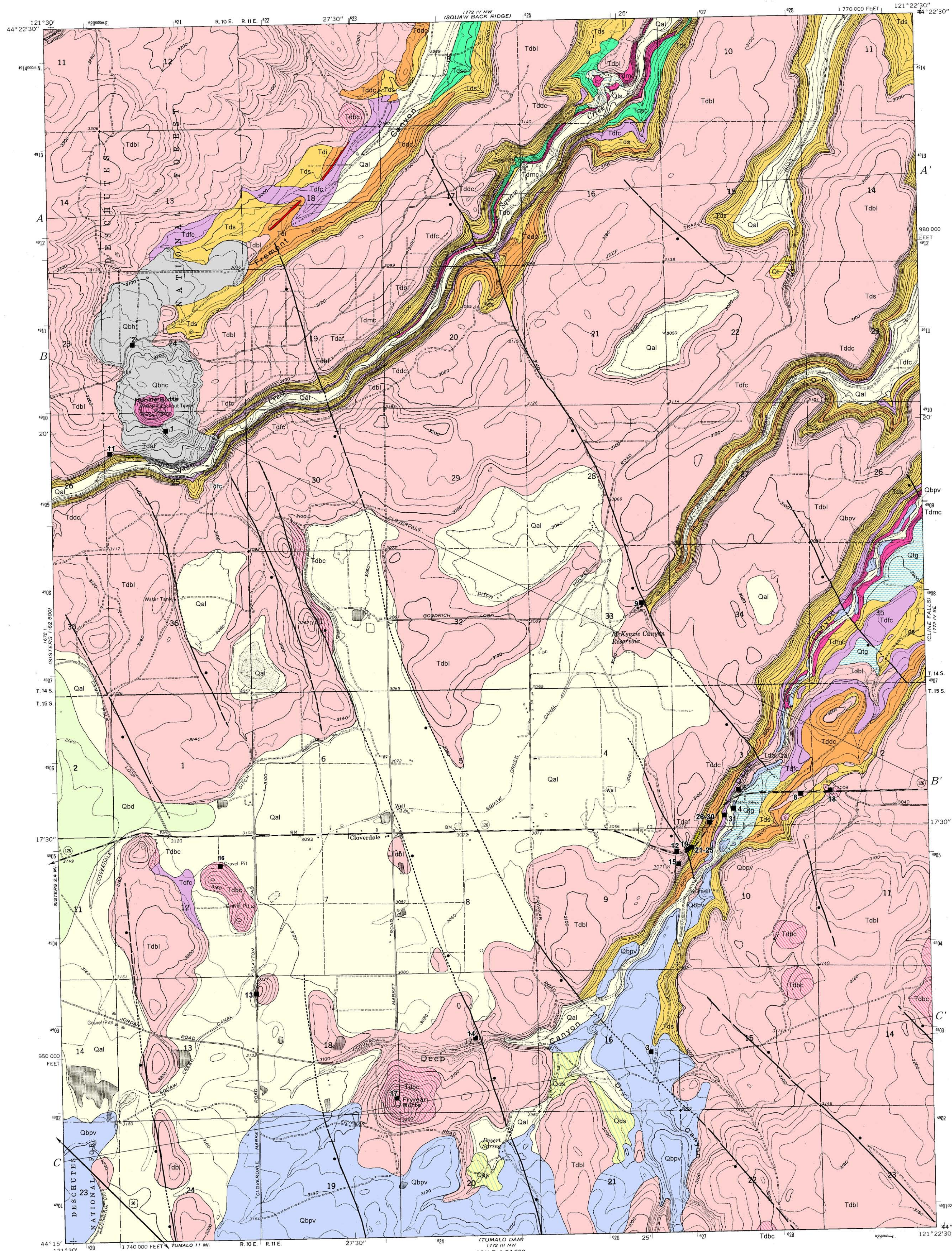
1998

GMS - 95

Geology of the Henkle Butte Quadrangle,
Deschutes County, Oregon

By E.M. Taylor

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and Mineral Industries



EXPLANATION OF MAP UNITS

(See accompanying text for complete description of geologic units)

Quaternary deposits

- Qal Alluvium (Holocene and Pleistocene)
- Qt Tephra (Pleistocene)
- Qls Landslide deposit (Pleistocene)
- Qbh Basalt of Henkle Butte (Pleistocene)
- Qbhc Cinders of Henkle Butte (Pleistocene)
- Qtg Terrace gravel (Pleistocene)
- Qbd Diktytaxitic basalt (Pleistocene)
- Qbpv Basalt of Plainview of Taylor and Ferns, (1994, 1995) (Pleistocene)
- Qds Desert spring tuff (Pleistocene)

Deschutes Formation

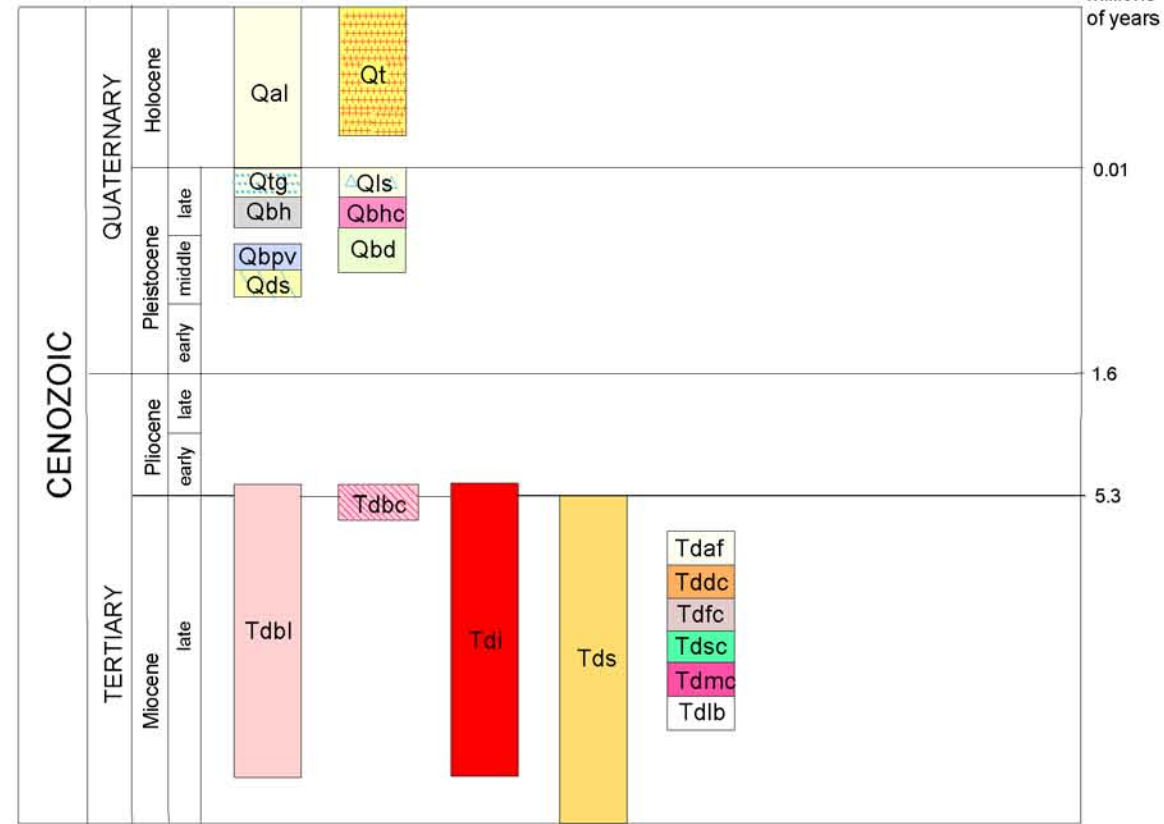
Deschutes Formation (lower Pliocene and upper Miocene)

- Tdbl Basalt and basaltic andesite lava flows (lower Pliocene and upper Miocene)
- Tdbc Basalt and basaltic andesite cinder cones and cinder mounds (lower Pliocene and upper Miocene)
- Tds Volcaniclastic deposits (lower Pliocene and upper Miocene), undivided
- Tdaf Silicic ash-flow tuffs (lower Pliocene and upper Miocene), undivided
- Tdsc Deep Canyon ignimbrite member of Smith (1986) (upper Miocene)
- Tdfc Fremont Canyon ignimbrite member (upper Miocene)
- Tdsc Squaw Creek ignimbrite member (upper Miocene)
- Tdmc McKenzie Canyon ignimbrite member (upper Miocene)
- Tdlb Lower Bridge ignimbrite member of Cannon (1985) (upper Miocene) (found only in cross section)
- Tdi Basalt dike (lower Pliocene or upper Miocene)

Map Symbols

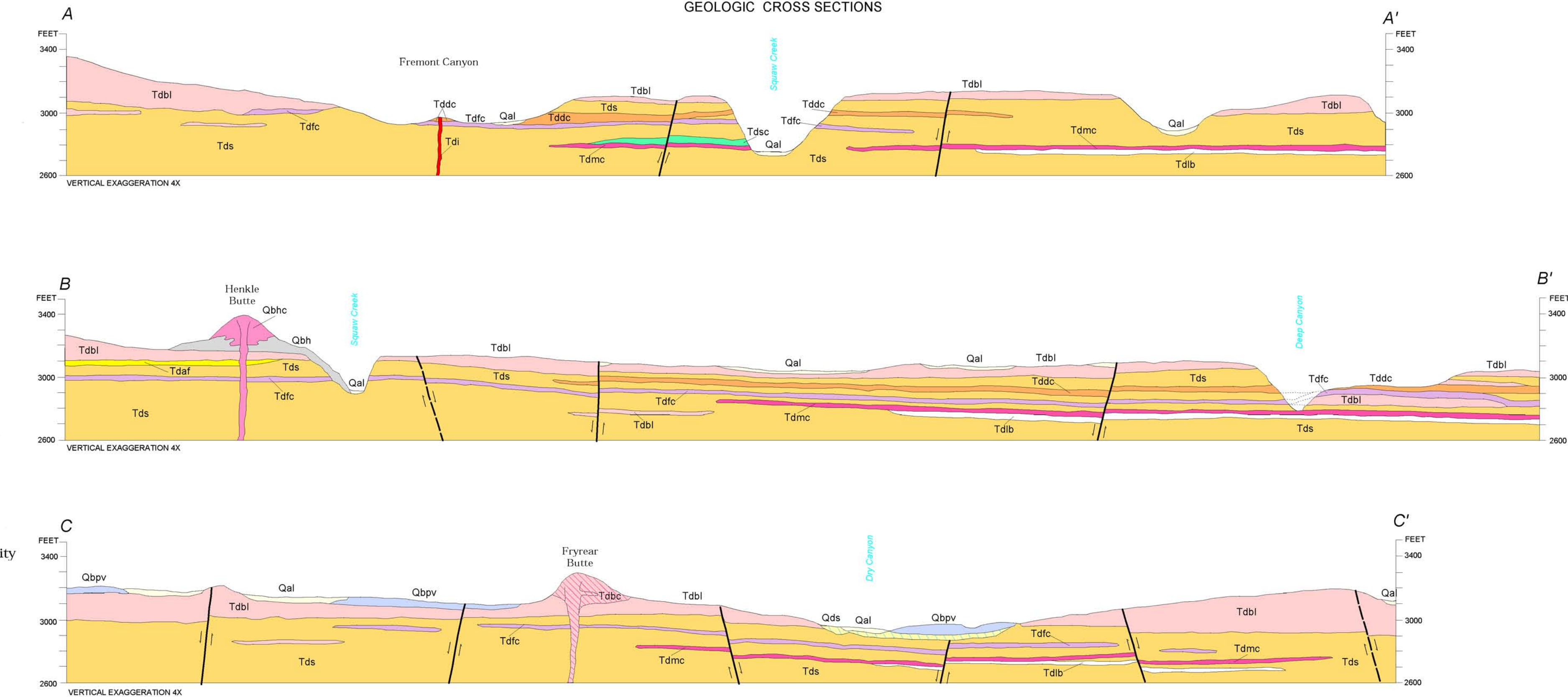
- Contact -- Approximately located
- Fault -- Solid where exposed; dashed where inferred; dotted where concealed. Ball and bar on downthrown side.
- Location of analyzed sample with sample number (see Table 1 in text).

TIME ROCK CHART



Dates taken from Palmer, 1983

GEOLOGIC CROSS SECTIONS



Geology by Edward M. Taylor, Oregon State University
Map reviewed by David Sherrod, U.S. Geological Survey
Field work conducted in 1994
Cartography by Paul Staub
This map is available in digital formats