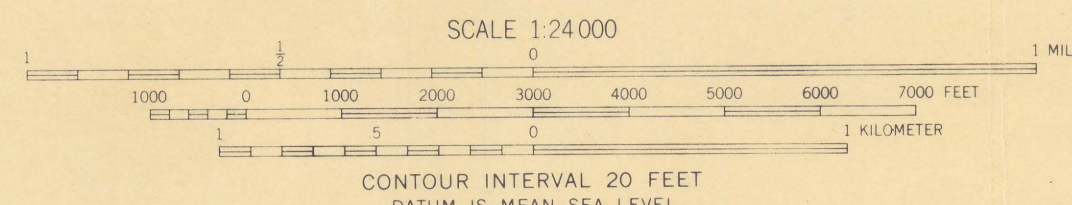
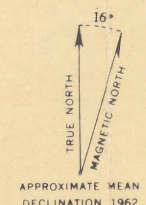


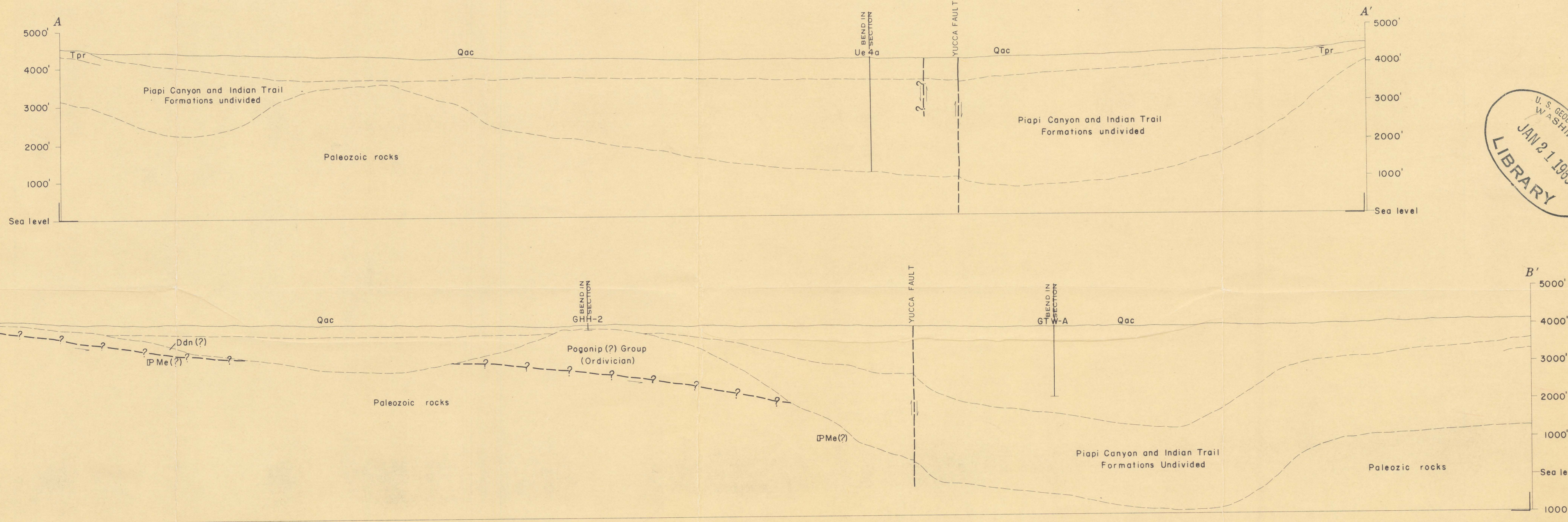
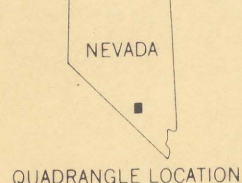
DESCRIPTION OF MAP UNITS

- Qac ALLUVIUM AND COLLUVIUM (0-2,000 ft)--brown to gray unconsolidated or caliche-cemented loess, lenses and sheets of sand, sandy gravel composed of pebble- to boulder-sized fragments of subround to subangular limestone, dolomite, quartzite, and chert of Paleozoic age, and volcanic rocks of Tertiary age.
- Tpr PIAPI CANYON FORMATION:
RAINIER MESA MEMBER (200 ft)--multiple-flow compound cooling unit. In descending order, local dark-brown devitrified tuff zones either above or below brown densely welded vitrophyric ash-flow tuff, in places lithophysal, containing variable amounts of quartz biotite, and sandine phenocrysts; grading to non-bedded gray to lavender nonwelded ash-flow tuff, to bedded white and gray tuff with interbedded black and gray chert beds, and white and gray biotite-rich bedded tuffs. Base not exposed. Welded tuff forms resistant hogbacks and tops of mesas.
- IPMej ELEANA FORMATION:
UNIT J (200 ft)--yellow- to reddish-brown thin-bedded argillite interbedded with thin chert lenses, thick-bedded well-sorted fine-grained quartzite, and quartzitic and chert-pebble conglomerate in a quartzitic matrix. Only upper part of unit is exposed. Weathers to thin plates and angular chips; makes smooth slopes and small ledges.
- Ddn DEVILS GATE(?) LIMESTONE AND NEVADA FORMATION (200-450 ft)--dark- and light-gray aphanitic to coarse-grained recrystallized limestone and dolomite; some beds of stromatoporoid limestone and gray fine- to coarse-grained quartzite. Occurs in fault blocks above Mine Mountain thrust fault. Thin-bedded units less brecciated by thrust faulting than thick-bedded units; both weather to large blocks from craggy outcrops.

Base map by Topographic Division
U.S. Geological Survey, 1961
10,000-foot grids based on Nevada coordinate
system, central and east zones
1000-meter Universal Transverse Mercator
grid ticks, zone 11, shown in blue



Geology mapped in 1961. Paleotopography by
D. C. Healey and C. M. Miller, 1959-1960.



GEOLOGY OF THE YUCCA FLAT QUADRANGLE, NYE COUNTY, NEVADA

By
Edward J. McKay
1962

Nevada (Yucca Flat quad.) Geol. 1:24,000. 1962.
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