



EXPLANATION

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|---|---|--------------------------|------------|
| PLIOCENE | □ | Alluvium | QUATERNARY |
| | Playa silts, sand and gravel stream deposits, eolian sand; talus; thinly bedded lacustrine (Lahontan) sands, clays, gravels and pebble conglomerates; poorly sorted, weakly consolidated fanglomerates. | | |
| | T | Truckee Association | TERTIARY |
| | Interbedded lacustrine calcareous shales, coarse-to fine-grained, well-bedded tuffaceous sandstones and diatomaceous shales. | | |
| MIOCENE | Kp | Kate Peak Association | CRETACEOUS |
| | Slightly porphyritic (quartz and plagioclase) extrusive and intrusive dacites, intrusives usually altered and silicified; mudflow breccias. | | |
| | Hh | Hartter Hill Association | |
| | Welded and nonwelded crystal, vitric and lithic rhyolite tuffs; local rhyolite flows. | | TRIASSIC |
| Gr | Granodiorite | | |
| Hornblende, biotite granodiorite, quartz monzonite, aplite and pegmatite dikes. | | | |
| M | Metamorphic Rocks | | |
| Metasedimentary andalusite-feldspar-biotite schists, amphibolite. | | | |

SYMBOLS

- | | | |
|-----------------|-----------|----------|
| - - - - - | Inferred | Buried |
| FAULTS | | |
| - - - - - | Trace | Alluvium |
| CONTACTS | | |
| + + | ANTICLINE | |

BASE MAP
 Transverse Mercator Projection, 1927 North American Datum
 Base Map topography from 1:25,000 multiple manuscript of the USGS
 reduced to 1:24,200 on a Polyconic Projection
 Aerial photographs taken 1954, 1955
 Field check 1962 (Gibson)
 10,000 feet grid based on Nevada Transverse Mercator coordinate system, with zone

CONTOUR INTERVAL 0.05 g/cm³

Plate I. GEOLOGIC AND BOUGUER DENSITY MAP.

WARM SPRINGS VALLEY, NEVADA