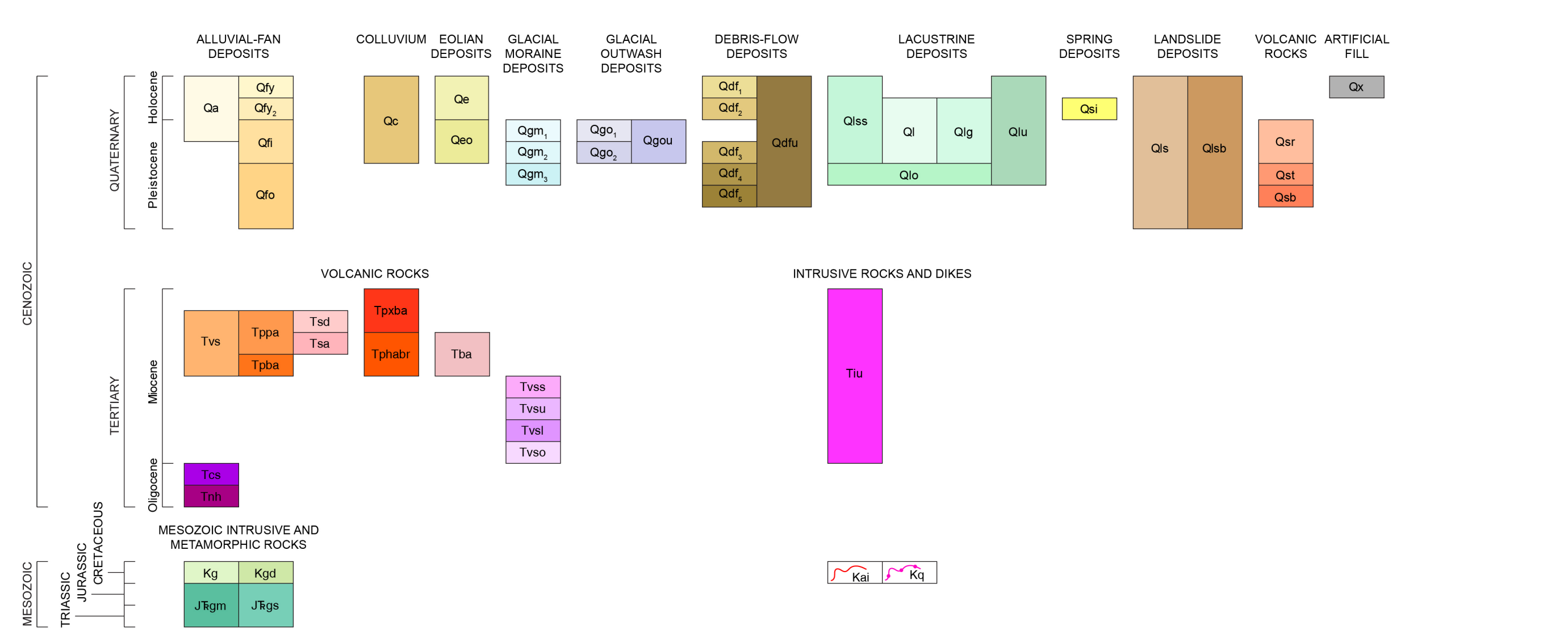
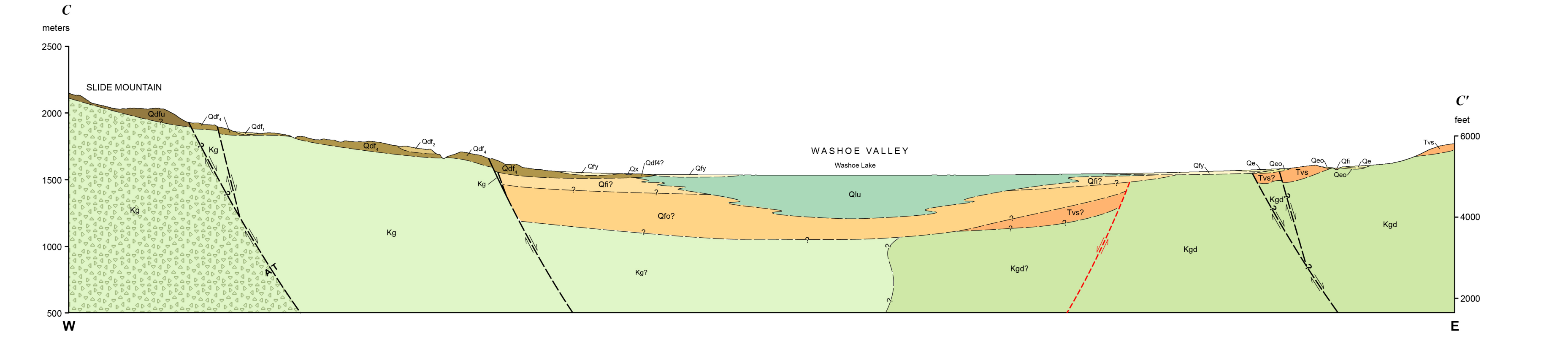
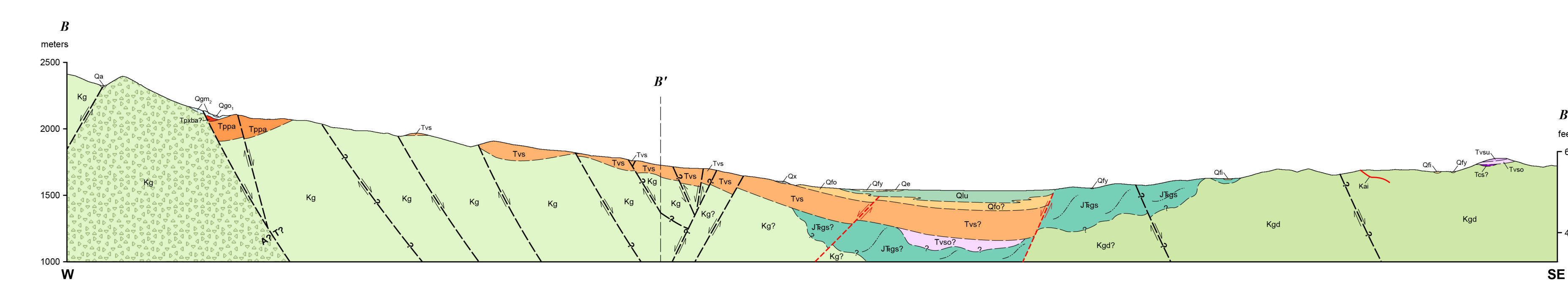
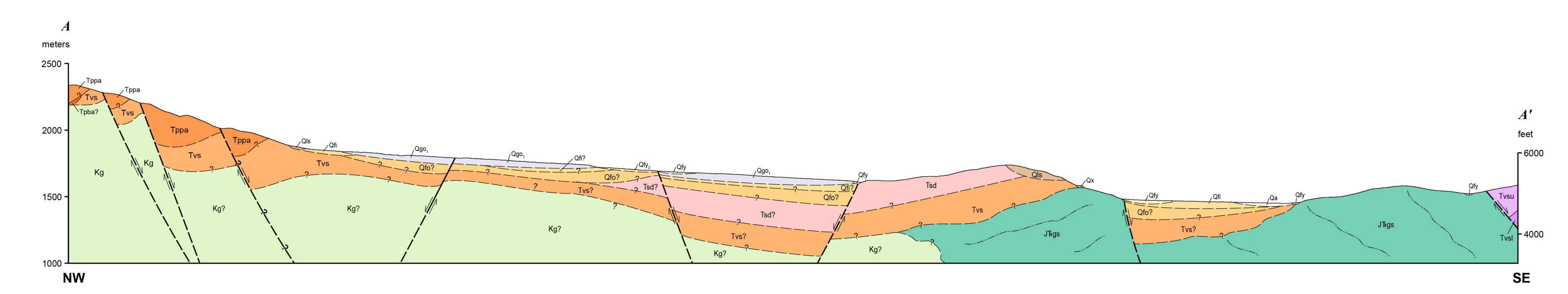


GEOLOGIC MAP OF THE WASHOE CITY QUADRANGLE, WASHOE COUNTY, NEVADA

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2019



- QUATERNARY DEPOSITS**
- Disturbed areas and fill (late Holocene)
 - Active alluvium (Holocene)
 - Colluvium (Holocene to Pleistocene?)
 - Eolian deposits (Holocene)
 - Eolian deposits, older (late Pleistocene)
 - Sinter deposits (Holocene?)
 - Young alluvial-fan deposits (late Holocene)
 - Young alluvial-fan deposits (early Holocene)
 - Intermediate-aged alluvial-fan deposits (late Pleistocene)
 - Older alluvial-fan deposits (middle Pleistocene?)
 - Landslide deposits, undivided (Holocene to Pleistocene?)
 - Landslide blocks, undivided (Holocene to Pleistocene?)
 - Lacustrine deposits, silt and sand (late Pleistocene)
 - Lacustrine deposits, sand (late Pleistocene)
 - Lacustrine deposits, gravel (late Pleistocene)
 - Lacustrine deposits, older (late Pleistocene)
 - Lacustrine deposits, undivided (late Pleistocene) (in cross section only)
 - Debris-flow deposits (historical)
 - Debris-flow deposits (Holocene)
 - Debris-flow deposits (late Pleistocene)
 - Debris-flow deposits (late Pleistocene)
 - Debris-flow deposits (middle Pleistocene?)
 - Debris-flow deposits, undivided (Holocene to middle Pleistocene?)
 - Glacial moraine deposits (late Pleistocene)
 - Glacial moraine deposits (late to middle Pleistocene)
 - Glacial moraine deposits (middle Pleistocene)
 - Glacial outwash deposits (late Pleistocene)
 - Glacial outwash deposits (late to middle Pleistocene)
 - Glacial outwash deposits, undivided (late to middle Pleistocene)
- QUATERNARY ROCKS**
- Rhyolite of Steamboat Hills (late Pleistocene)
 - Tuff of Steamboat Hills (late Pleistocene)
 - Basaltic andesite of Steamboat Hills (early Pleistocene)
- TERTIARY ROCKS**
- Pyroxene-plagioclase porphyritic basaltic andesite (Miocene)
 - Plagioclase-pyroxene porphyritic andesite (Miocene)
 - Dacite of Steamboat Hills (Miocene)
 - Andesite of Steamboat Hills (Miocene)
 - Volcaniclastic sedimentary rocks (Miocene)
 - Plagioclase-hornblende-pyroxene porphyritic andesite breccia (Miocene)
 - Sparsely porphyritic basaltic andesite (Miocene)
 - Platy plagioclase porphyritic basaltic andesite (Miocene)
- Virginia City magmatic suite, Steamboat Valley sequence**
- Volcaniclastic sedimentary rocks of Steamboat Valley (Miocene)
 - Lavas of Steamboat Valley, upper (Miocene)
 - Lavas of Steamboat Valley, lower (Miocene)
 - Volcaniclastic sedimentary rocks, older (Miocene)
 - Andesite and dacite intrusions, undivided (Miocene)
- Oligocene ash-flow tuffs**
- Tuff of Chimney Springs (Oligocene)
 - Nine Hill Tuff (Oligocene)
- MESOZOIC ROCKS**
- Quartz veins (Cretaceous)
 - Apalite-pegmatite dikes (Cretaceous)
 - Granite (Cretaceous)
 - Biotite-hornblende granodiorite of Steamboat Valley (Cretaceous)
 - Metasedimentary rocks, Gardnerville Formation (Jurassic to Triassic)
 - Gardnerville Formation, metasedimentary and metavolcanic rock (Jurassic to Triassic)
- CONTACTS**
- Solid where certain, dashed where approximately located, dotted where concealed, queried if identity or existence uncertain.
 - Fault: Solid where certain, dashed where approximately located, dotted where concealed, queried if identity or existence uncertain.
 - Normal fault: Solid where certain, dashed where approximately located, dotted where concealed, queried if identity or existence uncertain. Showing dip; ball on downthrown side. In cross section, arrows show relative motion.
 - Oblique-slip fault: Solid where certain, dashed where approximately located, dotted where concealed, queried if identity or existence uncertain. Showing dip; ball on downthrown side. In cross section, A away from observer; T, towards observer.
 - Fault inferred from gravity: Dashed where approximately located, ball on downthrown side. In cross section, arrows show relative motion.
 - Former shoreline: Solid where certain, dashed where approximately located; queried if identity or existence uncertain.
 - Landslide scarps: Dashed where approximately located.
 - Glacial moraine crests
 - Dike: Solid where certain, dashed where approximately located.
 - Vein: Solid where certain, dashed where approximately located.
- Strike and dip of bedding**
- Inclined: / Vertical: ⊕ Horizontal
- Strike and dip of igneous foliation**
- Inclined: / Vertical: |
- Strike and dip of metamorphic foliation**
- Inclined: /
- Strike and dip of joints**
- Inclined: / Vertical: ⊙
- Strike and dip of cleavage**
- Inclined: /
- Bearing and plunge of lineation**
- /
- Zone of shearing and fracturing**
- /
- Geochronology sample point** Label shows age.
- ▲ 1395 ⁴⁰Ar/³⁹Ar
 - 300 Carbon-14
 - 957 ⁴⁰K/³⁹Ar
- Line of cross section**
- A-A'



Suggested citation:
Carlson, C.W., Koehler, R.D., and Henry, C.D., 2019. Geologic map of the Washoe City quadrangle, Washoe County, Nevada. Nevada Bureau of Mines and Geology Open-File Report 19-4, scale 1:24,000, 7 p.

Scale 1:24,000

0 0.5 1 kilometer
0 0.5 1 mile
0 1000 2000 3000 4000 5000 feet

CONTOUR INTERVAL 40 FEET

Projection: Universal Transverse Mercator, Zone 11, North American Datum 1983 (m)

Base map: U.S. Geological Survey Washoe City 7.5' quadrangle (2018)

Adjoining 7.5' quadrangle names

1	2	3
4	5	6
7	8	9

1 Mount Rose NW
2 Mount Rose NE
3 Steamboat
4 Mount Rose
5 Washoe City
6 Virginia City
7 Muriel Lake
8 Carson City
9 New Empire

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

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

GN A
MN
13° 20'
1° 47'

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