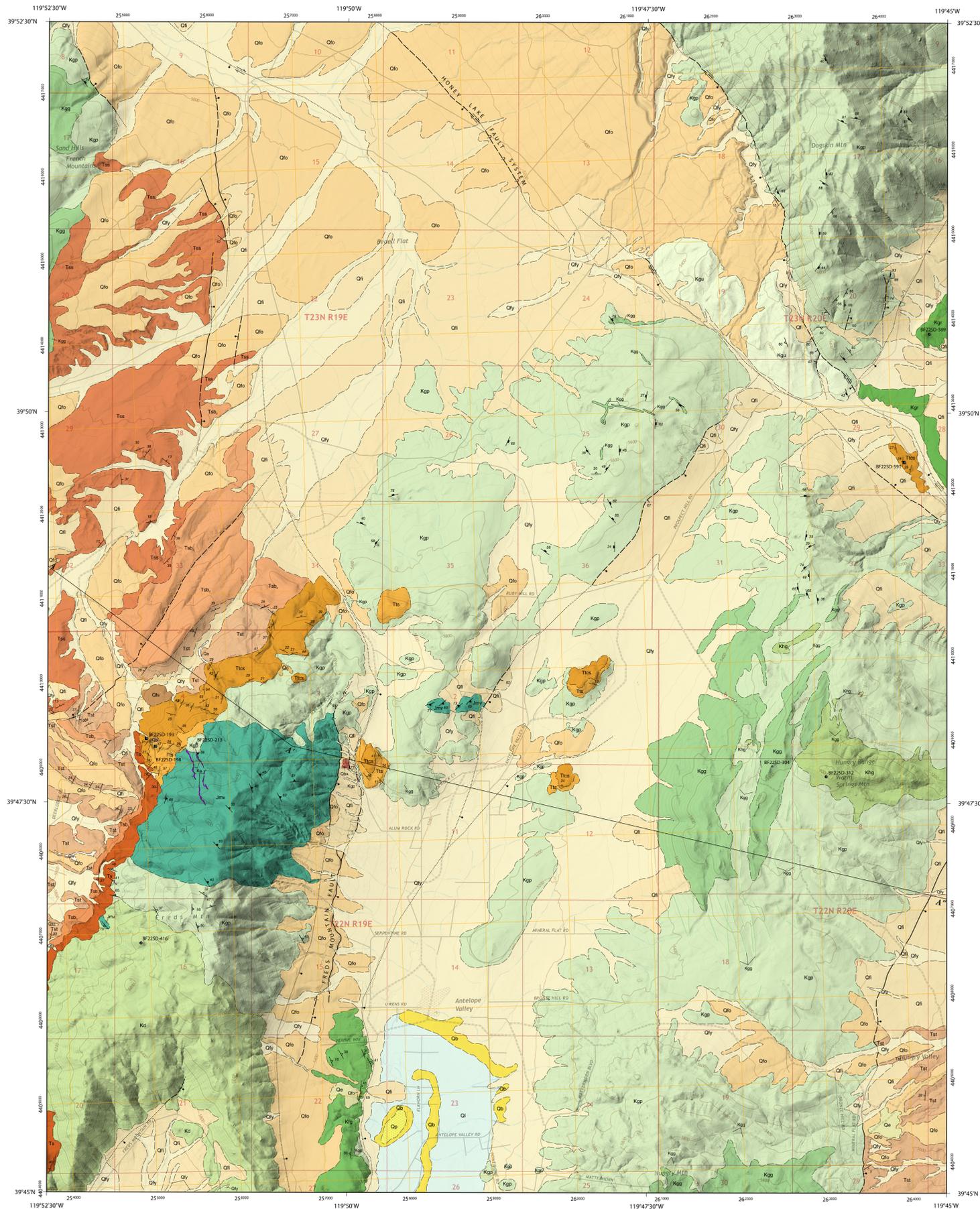


# GEOLOGIC MAP OF THE BEDELL FLAT QUADRANGLE, WASHOE COUNTY, NEVADA

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2025

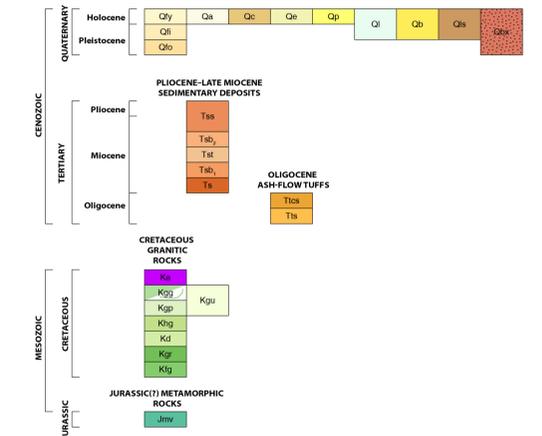


### GEOLOGIC UNITS

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

- QUATERNARY DEPOSITS**
  - Qa Active alluvium (Holocene)
  - Qc Colluvial deposits (Holocene)
  - Qe Eolian deposits (Holocene)
  - Qp Playa deposits (Holocene)
  - Ql Lacustrine deposits (Holocene to late Pleistocene)
  - Qb Beach berm deposits (Holocene to late Pleistocene)
  - Qy Young alluvial-fan deposits (Holocene)
  - Qli Intermediate-age alluvial-fan deposits (late Pleistocene)
  - Qlo Older alluvial-fan deposits (middle Pleistocene)
  - Qls Landslide deposits (Holocene to late Pleistocene)
  - Qobx Fault breccia with silica alteration (Holocene to Pleistocene)
- PLIOCENE TO LATE MIOCENE SEDIMENTARY DEPOSITS**
  - Tas Sandstone (Pliocene to Miocene)
  - Tsb Boulder bed 2 (Miocene)
  - Tst Tuffaceous siltstone (Miocene)
  - Tsb1 Boulder bed 1 (Miocene)
  - Tss Siltstone-sandstone (Miocene)
- OLIGOCENE ASH-FLOW TUFFS**
  - Tics Tuff of Cove Springs (Oligocene)
  - Tts Tuff of Sutcliffe (Oligocene)
- CRETACEOUS GRANITIC ROCKS**
  - Ka Aplitic dikes (Cretaceous)
  - Kgp Granite of Granite Peak (Cretaceous)
  - Kgm Grandiorite of Petersen Mountain (Cretaceous)
  - Kgu Granitic rocks, undivided (Cretaceous)
  - Khg Hornblende gabbro (Cretaceous)
  - Kdi Dioritic rocks (Cretaceous)
  - Kgr Granite of "Moon Rocks" (Cretaceous)
  - Kgl Foliated grandiorite (Cretaceous)
- JURASSIC (?) METAMORPHIC ROCKS**
  - Jmv Metavolcanic rocks (Jurassic?)

### CORRELATION OF GEOLOGIC UNITS



### MAP SYMBOLS

- Contact** Solid where certain and location accurate, dashed where approximately located.
- Fault** Dashed where approximately located, dotted where concealed.
- Normal fault** Solid where certain and location accurate, 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** Dashed where approximately located, dotted where concealed; queried if identity or existence uncertain. Arrows show relative motion, ball on downthrown side.
- Dike** Solid where certain and location accurate.
- Line of cross section** A-A'
- Strike and dip of bedding**
  - Inclined
- Strike and dip of igneous foliation in plutonic rocks**
  - Inclined
- Strike and dip of metamorphic foliation**
  - Inclined
- Strike and dip of compaction foliation in ash-flow tuff**
  - Inclined
- Strike and dip of joints**
  - Inclined
- Geochronology sample** Label shows sample name.
  - BF2250-312 U-Pb date
  - BF2250-193 <sup>40</sup>Ar/<sup>39</sup>Ar date
  - BF2250-091 Geochemistry sample Label shows sample name.



Seven Lakes Mountain	Dogskin Mountain	Tule Peak
Granite Peak	Bedell Flat	Fraser Flat
Reno NW	Reno NE	Griffith Canyon

**Suggested citation:**  
Dee, S., Goldsby, R., Junkin, W., Koehler, R.D., and Garside, L.J., 2025. Geologic map of the Bedell Flat quadrangle, Washoe County, Nevada. Nevada Bureau of Mines and Geology Open-File Report 2025-04, scale 1:24,000, 19 p.

**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 Bedell Flat 7.5' quadrangle (2021)  
Hillshade: Derived from 2020 and 2023 QL2 lidar data from The National Map.

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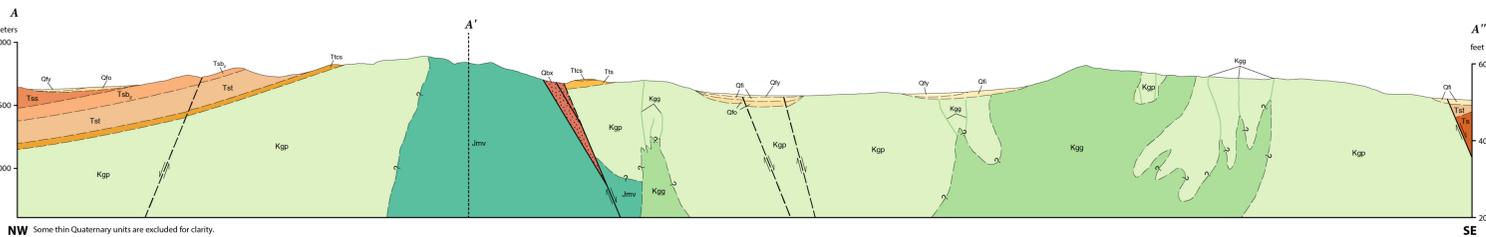
Field work completed in 2022-2024.  
This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program under STATMAP award number G21AC0073, 2021 and G22AC00578, 2022. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.

**OPEN-FILE REPORT**  
Has not undergone peer review

Cartographic and style review by Jennifer Vican  
Compilation by Seth Dee  
Cartography and map production in ESRI ArcGIS Pro by Irene M. Edgerton and Ryan G. Smith  
First Edition December 2025  
Symbolism per FGDC-STD-013-2006  
Data model per Geologic Map Schema (GEMS)  
Published by Nevada Bureau of Mines and Geology  
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NW Some thin Quaternary units are excluded for clarity.

SE