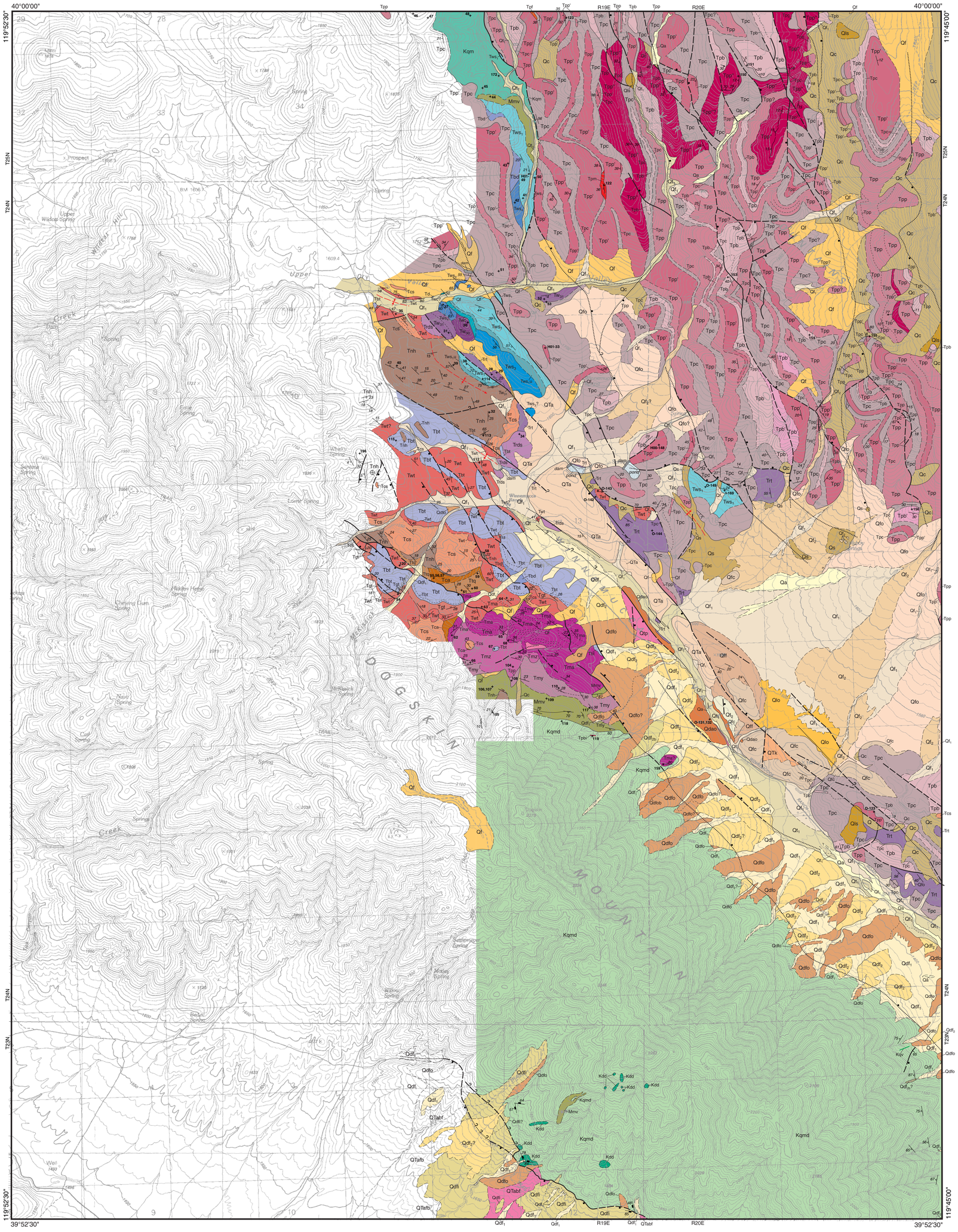
Prepared as part of the STATEMAP component of the National Cooperative Geologic Mapping Program in cooperation with the U.S. Geological Survey



Qa Active alluvium

Stream Channel Deposits of Winnemucca Valley

- Qt_1 Alluvial terrace deposits (mid to late Holocene)
- Qt_2 Alluvial terrace deposits (latest Pleistocene to earliest Holocene)

Alluvial Fans of Dogskin Mountain

- Qdf_1 Alluvial fan deposits (mid to late Holocene)
- Qdf_2 Alluvial fan deposits (latest Pleistocene to early Holocene)
- Qdf_{2b} Megabreccia of granite (latest Pleistocene to early Holocene)
- Qdfi Alluvial fan of granite (Pleistocene)
- Qdfo Alluvial fan of granite (early to mid Pleistocene)
- Qdfob Megabreccia of granite (early to mid Pleistocene)
- Qdao Older/deformed fan deposits (early Pleistocene to Holocene?)

Alluvial and other Deposits of the Virginia Mountains

- Qc Undifferentiated Quaternary colluvium and talus
- Qls Landslide deposits
- Qs Spring deposits
- Qf Undifferentiated Quaternary fanglomerates
- Qf_1 Alluvial fan and stream terrace deposits (mid to late Holocene)
- Qf_2 Alluvial fan and stream terrace deposits (latest Pleistocene to early Holocene)
- Qlo Lacustrine deposits
- Qfo Alluvial fan deposits (early to mid Pleistocene)
- Qfc Coarse deformed fan deposits (early to late Pleistocene?)
- Qff Finer deformed fan deposits (early to late Pleistocene?)

Late Miocene-Quaternary(?) Alluvial Deposits

- QTa Late Miocene to Pleistocene(?) alluvial deposits
- QTabf Alluvial fan of Bedell Flat
- QTk Late Miocene to Pleistocene(?) sediments

Pyramid Sequence

- Tpb Basalt to basaltic andesite lavas
- Tpp Porphyritic basaltic andesite lavas
- Tpb' Sparsely porphyritic basalt(?) lavas
- Tpp' Finely porphyritic basaltic andesite lavas
- Tpp'' Bimodal porphyritic basaltic andesite lava
- Tpf Porphyritic felsic lava
- Tpd Diatomite
- Tpc Conglomerate, sandstone, and breccia
- Tpci Clastic dike
- Tpm Tuff of Mullen Pass
- Tpbl Basalt dike

Rhyolite Group

- Trds Rhyolite-clast conglomerate
- Trt Rhyodacite ash-flow tuff
- Tbt Tuff breccia
- Tbd Rhyodacite-rhyolite breccia

Oligocene Ash-Flow Tuffs

- Tgt Gray tuff
- Twt White tuff
- Tcs Tuff of Chimney Spring
- Tnh Nine Hill Tuff
- Tca Ash-flow tuff and andesite-clast conglomerate
- Ttq Quartz-bearing ash-flow tuff

Tuffs of Whisky Spring/McKissick Spring

- Tw_{31} Tuff 31
- Tws_4(Ttd) Unit 4 of tuffs of Whisky Spring (tuff of Dogskin Mountain)
- Tw_{30} Tuff 30
- Twc Intratuff conglomerate
- Tws_3 Unit 3 of the tuffs of Whisky Spring
- Tws_1 Tws_1-u Unit 1 of tuffs of Whisky Spring (unit C of tuffs of McKissick Springs)
- Tma Unit A of tuff of McKissick Springs
- Tmz Bedded and ash-flow tuff below unit Tma
- Tmy Punky tuff

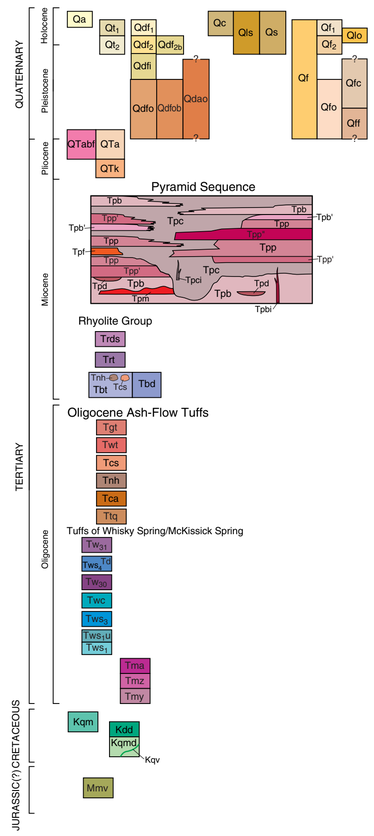
Mesozoic Rocks

Cretaceous granitic rocks

- Kqm Quartz monzonite
- Kdd Diorite dikes
- Kqmd Quartz monzodiorite; Quartz vein (Kqv)

Jurassic(?) metamorphic rocks

- Mmv Jurassic(?) metavolcanic and metasedimentary rocks



Contact Long dashes where approximately located; short dashes between different tuffs, cooling units, or lavas within same map unit; queried where uncertain; dotted where concealed.

Fault Showing dip of fault and trend of striae on fault surface (arrow); ball on downthrown side; double arrows show sense of strike-slip offset; dashed where approximately located, queried where uncertain, dotted where concealed.

Syncline axial trace Showing plunge, dashed where approximately located.

Strike and dip of beds

Inclined — Vertical — Horizontal

Strike and dip of compaction foliation in ash-flow tuff

Inclined — Vertical — Overturned

Strike and dip of flow bands in lava or intrusion

Inclined — Vertical

Continous curving flowbands

Columnar joint Showing bearing and plunge.

Sample location for $^{40}Ar/^{39}Ar$ date or chemical analysis

• H01-49

Field work done in 2000–2001.

DRAFT

Preliminary geologic map.
Has not undergone office or field review.
May be revised before publication.

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Scale 1:24,000

0 0.5 1 kilometer

0 0.5 1 mile

0 1000 2000 3000 4000 5000 feet

CONTOUR INTERVAL 10 METERS

Base map: U.S. Geological Survey Dogskin Mountain 7.5' Quadrangle, 1979 Digital Raster Graphic (DRG)

PRELIMINARY GEOLOGIC MAP OF THE EAST HALF OF THE DOGSKIN MOUNTAIN QUADRANGLE, WASHOE COUNTY, NEVADA

Christopher D. Henry, James E. Faulds,
Craig M. dePolo, and David A. Davis

2001