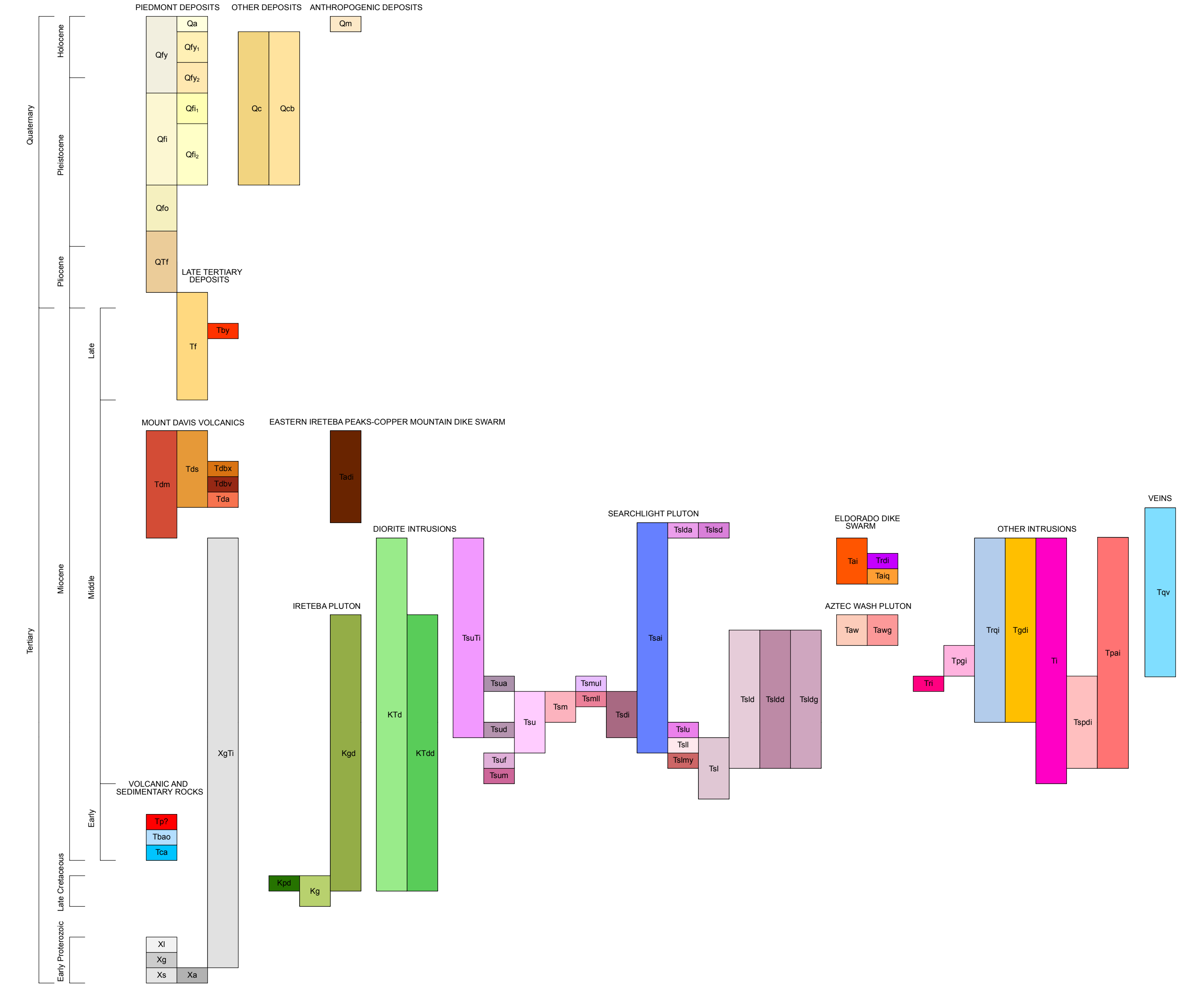


- ANTHROPOGENIC DEPOSITS**
 - Om Mine waste
- QUATERNARY DEPOSITS**
 - Qa Alluvial deposits in recently active washes (modern to late Holocene)
 - Qy1 Young alluvial-fan deposits (late to middle Holocene)
 - Qy2 Young alluvial-fan deposits (early Holocene to late Pleistocene)
 - Qy3 Young alluvial-fan deposits, undivided
 - Qm Intermediate alluvial-fan deposits (late Pleistocene)
 - Qm1 Intermediate alluvial-fan deposits (late to middle Pleistocene)
 - Qm2 Intermediate alluvial-fan deposits, undivided
 - Qo Older alluvial-fan deposits (middle to early Pleistocene)
 - Qo1 Older alluvial-fan deposits (early Pleistocene to Pliocene)
 - Qc Colluvial deposits (Holocene to Pleistocene)
 - Qcb Colluvial deposits consisting of clasts of Tby
- LATE TERTIARY DEPOSITS (late Miocene to Pliocene)**
 - Tby Young basalt - 11.3 Ma basalt flows and possible intrusions
 - Tt Gravels (Pliocene to late Miocene)
- MOUNT DAVIS VOLCANICS (middle Miocene)**
 - Tam Mafic lavas - basalt and basaltic andesite lavas and flow breccias
 - Tas Sedimentary rocks - matrix-supported conglomerate and coarse-grained sandstone
 - Tcbx Crystalline breccias composed primarily of plutonic and metamorphic rock, probable rock-avalanche origin
 - Tbv Volcanic breccias
 - Tda Andesite-dacite - massive generally finely porphyritic andesite and dacite domes and lavas
- VEINS (middle Miocene)**
 - Tqv Quartz veins
- EASTERN IRETEBA PEAKS-COPPER MOUNTAIN DIKE SWARM (middle Miocene)**
 - Tad Andesite-diorite dikes
- OTHER INTRUSIONS (middle Miocene)**
 - Trq Quartz-bearing rhyolite dikes
 - Tgd Porphyritic granodiorite dikes
 - Ti Miocene dikes and intrusions undivided
 - Tspdi Porphyritic trachydacite dikes and intrusions probably related to Searchlight pluton
 - Tza Andesite porphyry
 - Tpgi Porphyritic granite dikes
 - Tt Sparsely porphyritic rhyolite dikes
- ELDORADO DIKE SWARM (middle Miocene)**
 - Tad Intermediate to felsic dikes
 - Tas Quartz-bearing andesite dikes
 - Tad Andesite and diorite dikes
- AZTEC WASH PLUTON (middle Miocene)**
 - Tawg Granitic pods in the Aztec Wash pluton
 - Taw Aztec Wash pluton, undivided granite, diorite, gabbro, and numerous lithic blocks of country rock
- SEARCHLIGHT PLUTON (early to middle Miocene)**
 - Tsuw Aplite dikes undistinguished, middle and lower Searchlight pluton
 - Tsuu Upper Searchlight pluton, aplite dikes and sills
 - Tsu1 Upper Searchlight pluton, quartz monzonite, plus numerous undivided Miocene dikes
 - Tsu2 Upper Searchlight pluton, diorite intrusions
 - Tsu3 Upper Searchlight pluton, quartz monzonite
 - Tsu4 Upper Searchlight pluton, porphyritic phase
 - Tsum Upper Searchlight pluton, mafic margin
 - Tsmu Middle Searchlight pluton, leucogranite in uppermost middle Searchlight pluton
 - Tsmi Middle Searchlight pluton, leucogranite in lower part of middle Searchlight pluton
 - Tsdi Diorite dikes and sills in middle and lower Searchlight pluton
 - Tsm Middle Searchlight pluton, granite
 - Tsda Lower Searchlight pluton, hydrothermally altered and partly silicified
 - Tsdd Lower Searchlight pluton, hydrothermally altered and partly silicified
 - Tsu Lower Searchlight pluton, upper quartz monzonite
 - Tsu Lower Searchlight pluton, lower quartz monzonite
 - Tsu Lower Searchlight pluton margin, mylonite
 - Tsu Lower Searchlight pluton
 - Tsdi Lower Searchlight pluton, ductilely deformed quartz monzonite
 - Tsdd Lower Searchlight pluton, ductilely deformed diorite pod
 - Tsdg Lower Searchlight pluton, ductilely deformed gabbro
- VOLCANIC AND SEDIMENTARY ROCKS (early Miocene)**
 - Tba Peach Springs Tuff - altered rhyolitic tuff at or near base of Miocene section probably correlative with 18.5 Ma Peach Springs Tuff
 - Tba Older basaltic andesite and basalt flows
 - Tca Basal arkosic conglomerate and sandstone
- CRETACEOUS GRANITE, MAFIC INTRUSIONS, AND PEGMATITE DIKES (late Cretaceous)**
 - KTd Diorite and andesite in the Ireteba pluton and Proterozoic gneiss
 - KTsd Diorite and andesite in the Ireteba pluton, ductily deformed
 - KG Pegmatite dikes
 - KG Ireteba pluton, granite
 - KGd Ireteba pluton, granite, ductily deformed
- EARLY PROTEROZOIC BASEMENT**
 - Xi Leucogranite
 - Xg1 Orthogneiss with lesser mica schist, with numerous undivided Miocene dikes
 - Xg Orthogneiss with lesser mica schist
 - Xs Paragneiss with lesser orthogneiss
 - Xa Amphibolite gneiss

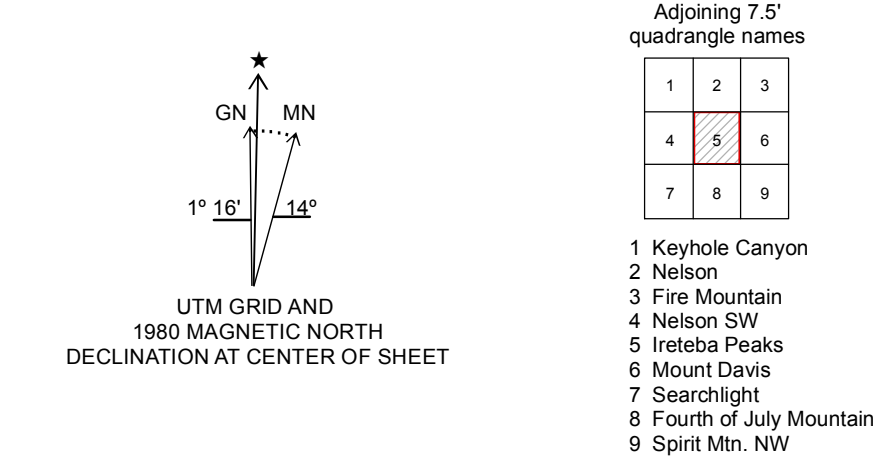


- Symboly (per FGDC-STD-013-2006)**
- Small, minor fault: Showing strike, dip and lineation bearing
- Strike and dip of bedding
- Strike and dip of foliation in igneous rock
- Strike and dip of foliation in metamorphic rock
- Strike and dip of cumulate foliation
- Minor inclined joint
- Bearing of stretching lineation in metamorphic rock
- Anticline: Solid where certain, dotted where concealed
- Syncline: Solid where certain, dotted where concealed

- Dike** Approximately located. Locally showing dip
- Vein** Approximately located. Locally showing dip
- Tephra bed**
- Stratigraphic horizon associated with tephra**

Suggested citation:
Hinz, N.H., Faulds, J.E., Ramelli, A.R., and Green, H.L. 2012. Geologic map of the Ireteba Peaks quadrangle, Clark County, Nevada. Nevada Bureau of Mines and Geology Open-File 12-09, scale 1:24,000.

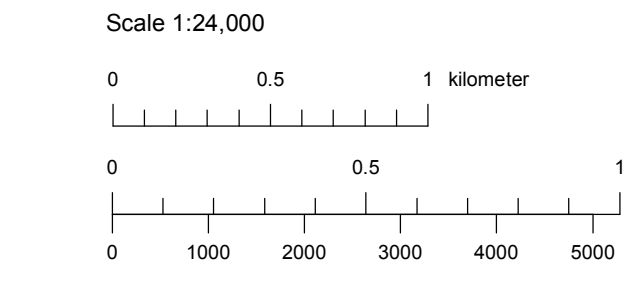
PRELIMINARY GEOLOGIC MAP OF THE IRETEBA PEAKS QUADRANGLE, CLARK COUNTY, NEVADA
 Nicholas H. Hinz, James E. Faulds, Alan R. Ramelli, and Heather L. Green
 Nevada Bureau of Mines and Geology, University of Nevada, Reno
 2012



Adjoining 7.5' quadrangle names

1	2	3
4	5	6
7	8	9

1 Keyhole Canyon
 2 Nelson
 3 Fire Mountain
 4 Nelson SW
 5 Ireteba Peaks
 6 Mount Davis
 7 Searchlight
 8 Fourth of July Mountain
 9 Sprit Mt. NW



CONTOUR INTERVAL 10 METERS
 Projection: Universal Transverse Mercator, Zone 11, North American Datum 1927 (m)
 Base map: U.S. Geological Survey Ireteba Peaks 7.5' quadrangle (Provisional Edition 1984)

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