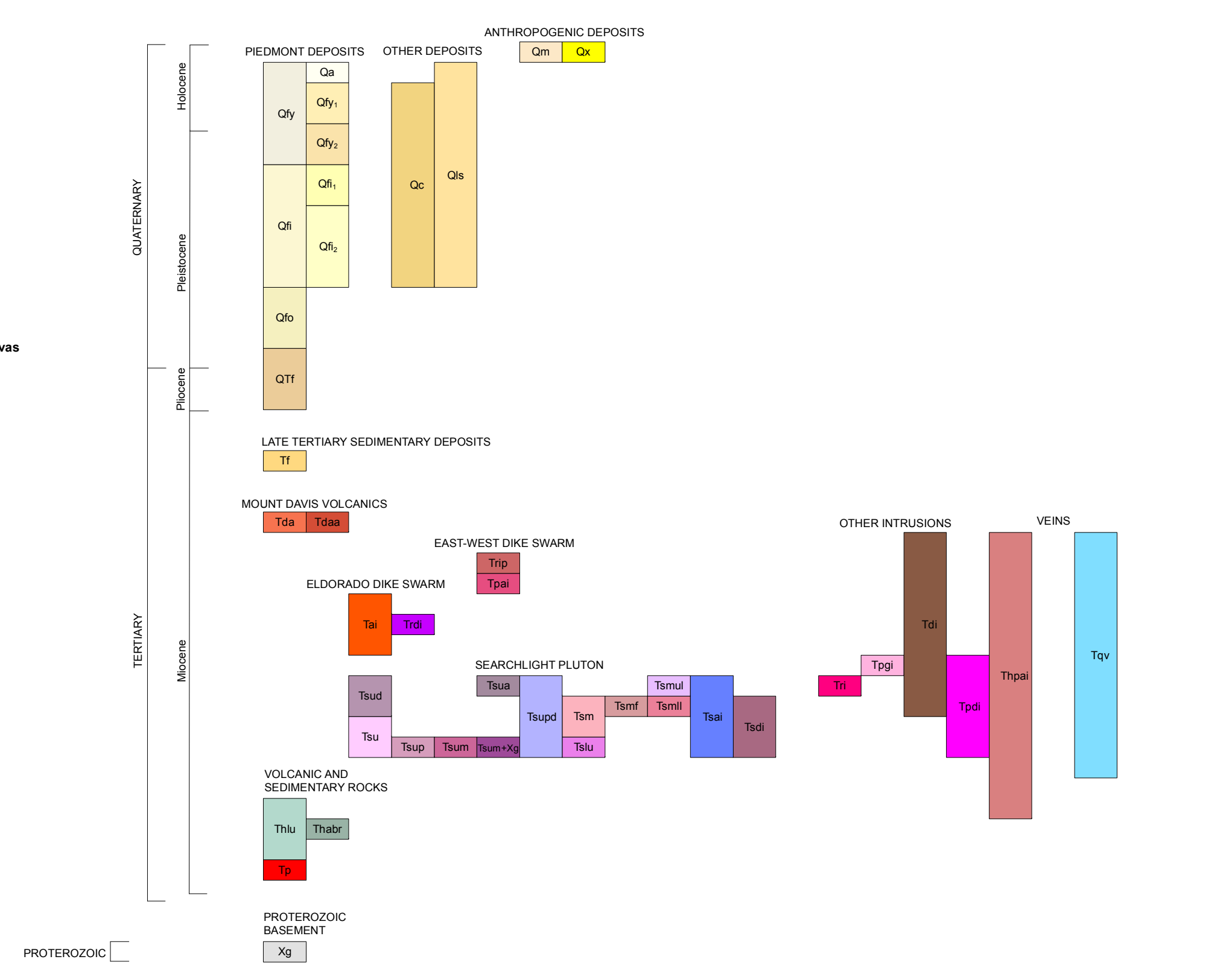
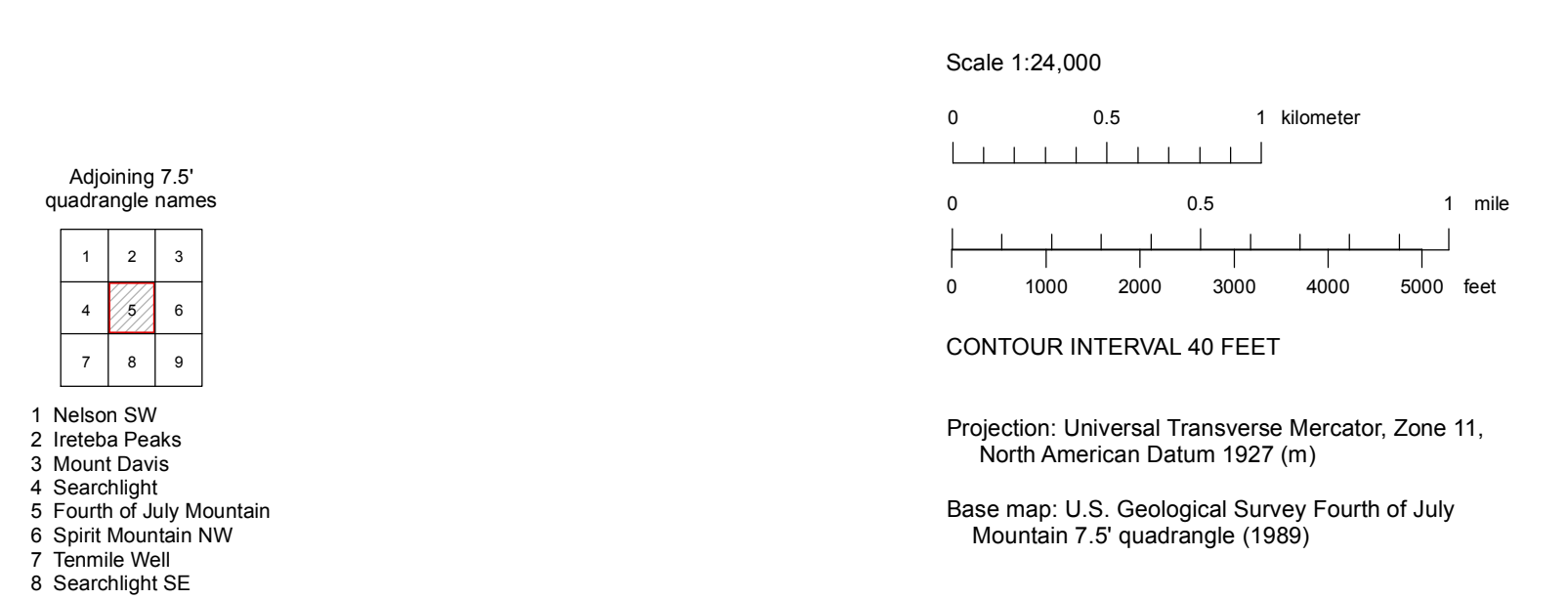


- ANTHROPOGENIC DEPOSITS**
 - Qm Mine waste
 - Qd Disturbed areas
- QUATERNARY DEPOSITS**
 - Qa Alluvial deposits in recently active washes (modern to late Holocene)
 - Qy1 Young alluvial-fan deposits (late to middle Holocene)
 - Qy2 Young alluvial-fan deposits (early Holocene to late Pleistocene)
 - Qy3 Young alluvial-fan deposits undivided
 - Qf1 Intermediate alluvial-fan deposits (late Pleistocene)
 - Qf2 Intermediate alluvial-fan deposits (late to middle Pleistocene)
 - Qf3 Intermediate alluvial-fan deposits undivided
 - Qo Older alluvial-fan deposits (middle to early Pleistocene)
 - Qc Colluvial deposits (Holocene to Pleistocene)
 - Ql Landslide deposits (Holocene to Pleistocene)
 - Qti Old alluvial-fan deposits (early Pleistocene to Pliocene)
- LATE TERTIARY SEDIMENTARY DEPOSITS**
 - Tt Gravels (Pliocene to late Miocene)
- MOUNT DAVIS VOLCANICS (middle Miocene)**
 - Tda1 Altered andesite-dacite
 - Tda Andesite-dacite - massive generally finely porphyritic andesite and dacite domes and lavas
- EAST-WEST DIKE SWARM (middle Miocene)**
 - Tdp1 Porphyritic rhyolite dikes
 - Tdp2 Porphyritic andesite dikes
- ELDORADO DIKE SWARM (middle Miocene)**
 - Ted Intermediate to felsic dikes
 - Ted1 Andesite and diorite dikes, primarily related to the Eldorado dike swarm
- FELSIC DIKES (middle Miocene)**
 - Tpg1 Porphyritic granite dikes
 - Tpd1 Porphyritic dacite dikes
 - Tpr1 Sparsely porphyritic rhyolite dikes
- SEARCHLIGHT PLUTON (middle Miocene)**
 - Tsa1 Apatite dikes undistinguished, middle and lower Searchlight pluton
 - Tsua1 Upper Searchlight pluton, pegmatite dikes
 - Tsua2 Upper Searchlight pluton, apatite dikes and sills
 - Tsua3 Upper Searchlight pluton, porphyritic dacite intrusion
 - Tsua4 Upper Searchlight pluton, mafic body
 - Tsua5 Upper Searchlight pluton, mafic body, locally including numerous blocks of Xg
 - Tsua6 Upper Searchlight pluton, porphyritic zone
 - Tsu Upper Searchlight pluton, quartz monzonite
 - Tsm1 Middle Searchlight pluton, leucogranite in uppermost middle Searchlight pluton
 - Tsm2 Middle Searchlight pluton, fine grain granit adjacent to Td1y
 - Tsd1 Diorite dikes and sills in middle and lower Searchlight pluton
 - Tsm Middle Searchlight pluton, granite
 - Tslu Lower Searchlight pluton, upper quartz monzonite
- VEINS (middle Miocene)**
 - Tqv Quartz vein in extrusive volcanic section
- VOLCANIC INTRUSIONS (middle Miocene)**
 - Thpa1 Porphyritic plagioclase-hornblende andesite intrusions
 - Tpd1 Porphyritic dacite intrusions and extrusive domes(?)
- VOLCANIC AND SEDIMENTARY ROCKS (middle Miocene)**
 - Thab1 Breccia composed of Thlu and Tpd1
 - Thlu Trachyandesite and trachydacite lavas and sediments, includes numerous Tpd1 bodies
 - Tst Peach Springs Tuff
- PROTEROZOIC BASEMENT**
 - Xg Orthogneiss with lesser mica schist



- Symbology (per FGDC-STD-013-2006)**
- Contact Long-dashed where approximate. Locally showing dip.
 - Normal fault Long-dashed where approximate, dotted where concealed; quartered if identity or existence uncertain. Ball on downthrown side, locally showing dip and bearing of striae.
 - Oblique-slip fault Long dashed where approximately located. Arrows show relative motion.
 - Low-angle normal fault Long dashed where approximately located, dotted where concealed; quartered if identity or existence uncertain. Half-circles on downthrown block.
 - Inclined
 - Overtured
 - Vertical

- Dike Approximately located. Locally showing dip.
 - Tpa1
 - Thpa1
 - Tai
 - Tdi
 - Tdp1
 - Tdp2
 - Ted
 - Tpd1
 - Tpr1
 - Tsa1
 - Tsua1
 - Tsua2
 - Tsua3
 - Tsua4
 - Tsua5
 - Tsua6
 - Tsu
 - Tsm1
 - Tsm2
 - Tsd1
 - Tsm
 - Tslu
- Vein Approximately located. Locally showing dip.
 - Tqv



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PRELIMINARY GEOLOGIC MAP OF THE NORTH HALF OF THE FOURTH OF JULY MOUNTAIN QUADRANGLE, CLARK COUNTY, NEVADA

Nicholas H. Hinze, James E. Faulds, and Alan R. Ramelli
Nevada Bureau of Mines and Geology
2012

Nevada Bureau of Mines and Geology
Markay School of Earth Sciences and Engineering
College of Science
University of Nevada, Reno

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DRAFT
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Will be revised before publication

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Nevada Bureau of Mines and Geology
2175 Raggio Parkway
Reno, Nevada 89512
ph: (775) 682-8766
www.nbmng.unr.edu; nbmng@unr.edu