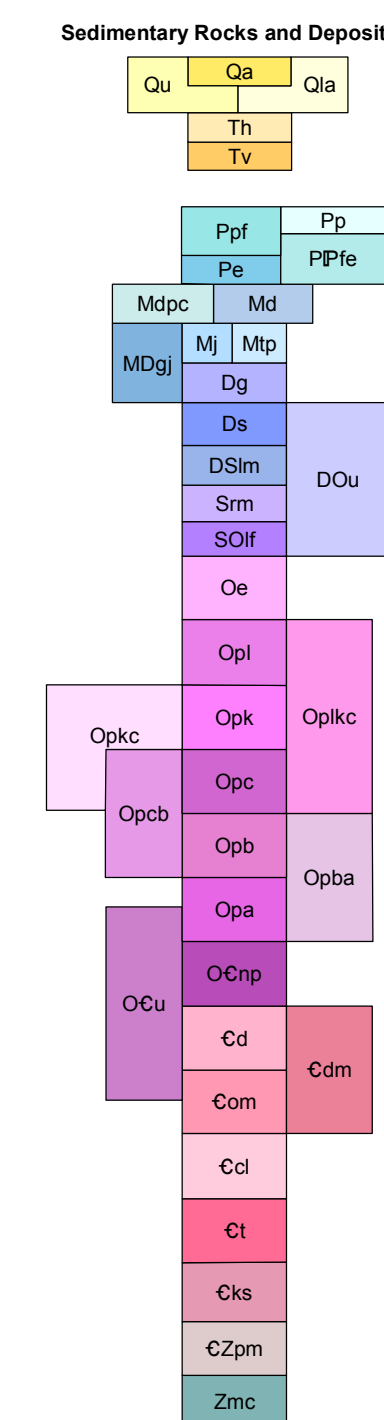


- Quaternary**
  - Qa Alluvium
  - Qla Lacustrine deposits and alluvium, undivided
  - Qu Alluvium and sedimentary rocks, undivided
- Tertiary**
  - Th Humboldt Formation
  - Tv Volcanic rocks
- Permian**
  - Kg Granitic pods (Cretaceous?)
  - Jg Granitic dike (Jurassic)
- Pennsylvanian**
  - Pp Pequop Formation
  - Ppf Pequop Formation and Ferguson Mountain Formation, undivided
  - Pe Ely Limestone
- Mississippian**
  - PPfe Ferguson Mountain Formation and Ely Limestone, undivided
  - Mdpc Diamond Peak Formation and Chainman Shale, undivided
- Devonian**
  - Md Dale Canyon Formation
  - Mj Joana Limestone
  - Mlp Tripson Pass Limestone
- Silurian**
  - MDgj Guilmette Formation and Joana Limestone, undivided
  - Dg Guilmette Formation
- Ordovician**
  - DOu Simonson Dolomite, Lone Mountain Dolomite, Roberts Mountains Formation, Laketown Dolomite, and Fish Haven Dolomite, undivided
  - Ds Simonson Dolomite
  - DSlm Lone Mountain Dolomite
  - Srm Roberts Mountains Formation
  - SOlf Laketown Dolomite, and Fish Haven Dolomite, undivided
  - Oe Eureka Quartzite
- Late Cambrian**
  - OCu Calcite marble, dolomite marble, and quartzite, undivided
  - OCnp Notch Peak Formation
  - Cd Dunderberg Shale
  - Com Oasis Formation, Shafter Formation, Decoy Limestone, Morgan Pass Formation, undivided
  - Cdm Dunderberg Shale, Oasis Formation, Shafter Formation, Decoy Limestone, Morgan Pass Formation, undivided
  - Ccl Cliffs Limestone
  - Ct Toano Limestone
  - Cks Killian Springs Formation
  - CZpm Prospect Mountain Quartzite
  - Zmc McCoy Creek Group (unit shown in cross section only)
- Middle Cambrian**
  - OPk Lehman Formation
  - OPkc Lehman Formation, Kanosh Shale and Unit C, undivided
  - OPkc Kanosh Shale and Unit C, undivided
  - OPk Kanosh Shale
  - OPcb Unit C and Unit B, undivided
  - OPc Unit C
  - OPb Unit B
  - OPba Unit B and Unit A, undivided
  - OPa Unit A
- Early Cambrian**
  - OCu Calcite marble, dolomite marble, and quartzite, undivided
  - OCnp Notch Peak Formation
  - Cd Dunderberg Shale
  - Com Oasis Formation, Shafter Formation, Decoy Limestone, Morgan Pass Formation, undivided
  - Cdm Dunderberg Shale, Oasis Formation, Shafter Formation, Decoy Limestone, Morgan Pass Formation, undivided
  - Ccl Cliffs Limestone
  - Ct Toano Limestone
  - Cks Killian Springs Formation
  - CZpm Prospect Mountain Quartzite
  - Zmc McCoy Creek Group (unit shown in cross section only)
- Late Proterozoic**
  - OCu Calcite marble, dolomite marble, and quartzite, undivided
  - OCnp Notch Peak Formation
  - Cd Dunderberg Shale
  - Com Oasis Formation, Shafter Formation, Decoy Limestone, Morgan Pass Formation, undivided
  - Cdm Dunderberg Shale, Oasis Formation, Shafter Formation, Decoy Limestone, Morgan Pass Formation, undivided
  - Ccl Cliffs Limestone
  - Ct Toano Limestone
  - Cks Killian Springs Formation
  - CZpm Prospect Mountain Quartzite
  - Zmc McCoy Creek Group (unit shown in cross section only)



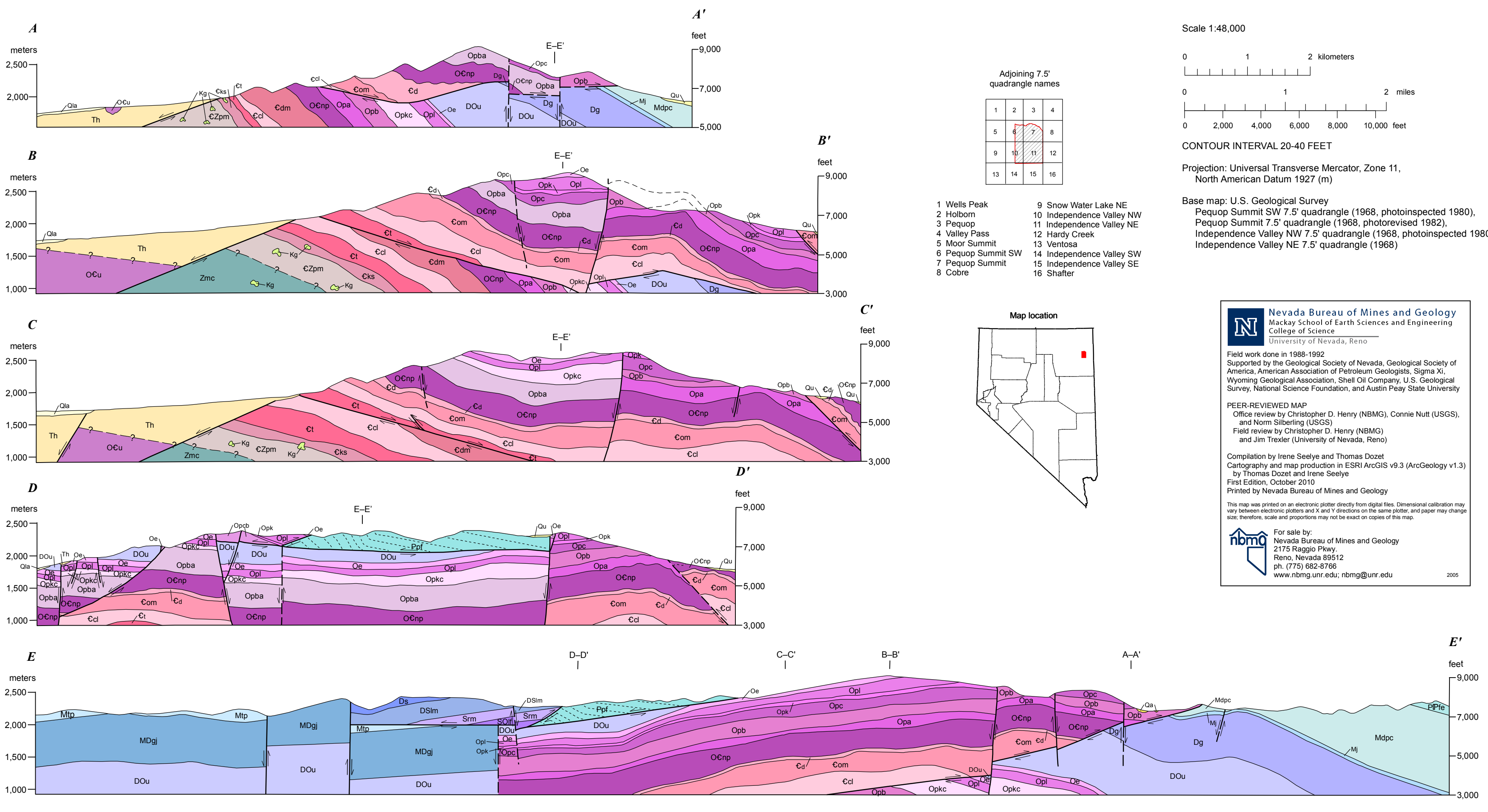
- Intrusive Rocks**
  - Kg Cretaceous(?)
  - Jg Jurassic

Symbology (per FGDC-STD-013-2006)

- Contact** Solid where certain and location accurate, long-dashed where approximate, short-dashed where concealed or projected.
- Normal faults** Solid where certain and location accurate, long-dashed where approximate, short-dashed where concealed. Ball on downthrown side.
- Vertical or near-vertical faults** Solid where certain and location accurate, long-dashed where approximate, dotted where concealed; queried if identity or existence uncertain. U on upthrown block, D on downthrown block.
- Thrust fault** Solid where certain and location accurate, long-dashed where approximate, short-dashed where concealed. Triangles are on hanging wall.
- Low-angle normal fault (the Pequop fault)** Solid where certain and location accurate, long-dashed where approximate, short-dashed where concealed. Semicircles are on hanging wall.
- Anticline** Solid where certain, long-dashed where approximate, arrow shows direction of plunge.
- Syncline** Solid where certain, long-dashed where approximate, short-dashed where concealed.
- Former shoreline** Long-dashed where approximately located.
- Strike and dip of bedding**
  - 41° Inclined
  - 47° Overturned
- Strike and dip of foliation (S)**
  - Arrow shows trend and plunge of lineation (L)
  - 47° Inclined
- Trend and plunge of elongation lineation (L)**
  - 33° Inclined
- Trend and plunge of hinge of outcrop-scale post-S fold**
  - Inclined
- Line of cross section**
  - A-A'

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

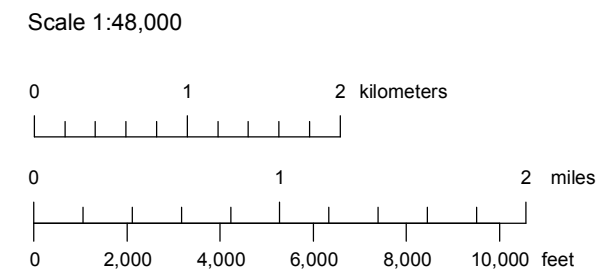
In some places unit Qa is too thin to show and is omitted from the cross section.



Adjoining 7.5' quadrangle names

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

- 1 Wells Peak
- 2 Halcom
- 3 Pequop
- 4 Valley Pass
- 5 Moor Summit
- 6 Pequop Summit SW
- 7 Pequop Summit
- 8 Cobre
- 9 Snow Water Lake NE
- 10 Independence Valley NW
- 11 Independence Valley NE
- 12 Hardy Creek
- 13 Ventosa
- 14 Independence Valley SW
- 15 Independence Valley SE
- 16 Shafter



CONTOUR INTERVAL 20-40 FEET  
Projection: Universal Transverse Mercator, Zone 11, North American Datum 1927 (m)

Base map: U.S. Geological Survey  
Pequop Summit SW 7.5' quadrangle (1968, photomapped 1980),  
Pequop Summit 7.5' quadrangle (1968, photorevised 1982),  
Independence Valley NW 7.5' quadrangle (1968, photomapped 1980),  
Independence Valley NE 7.5' quadrangle (1968)

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Mackay School of Earth Sciences and Engineering  
College of Science  
University of Nevada, Reno

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PEER-REVIEWED MAP  
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Field review by Christopher D. Henry (NBMG) and Jim Trexler (University of Nevada, Reno)

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# GEOLOGIC MAP OF THE NORTHERN PEQUOP MOUNTAINS, ELKO COUNTY, NEVADA

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2010