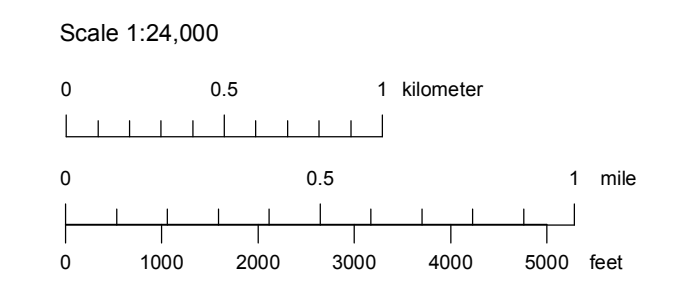
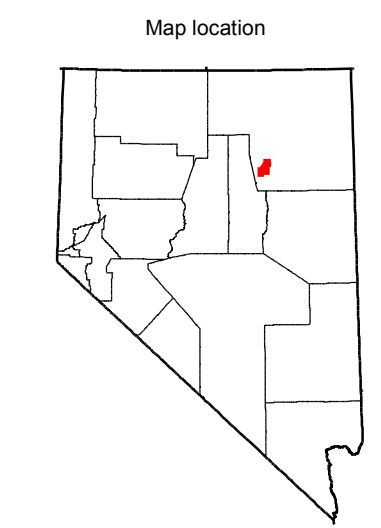
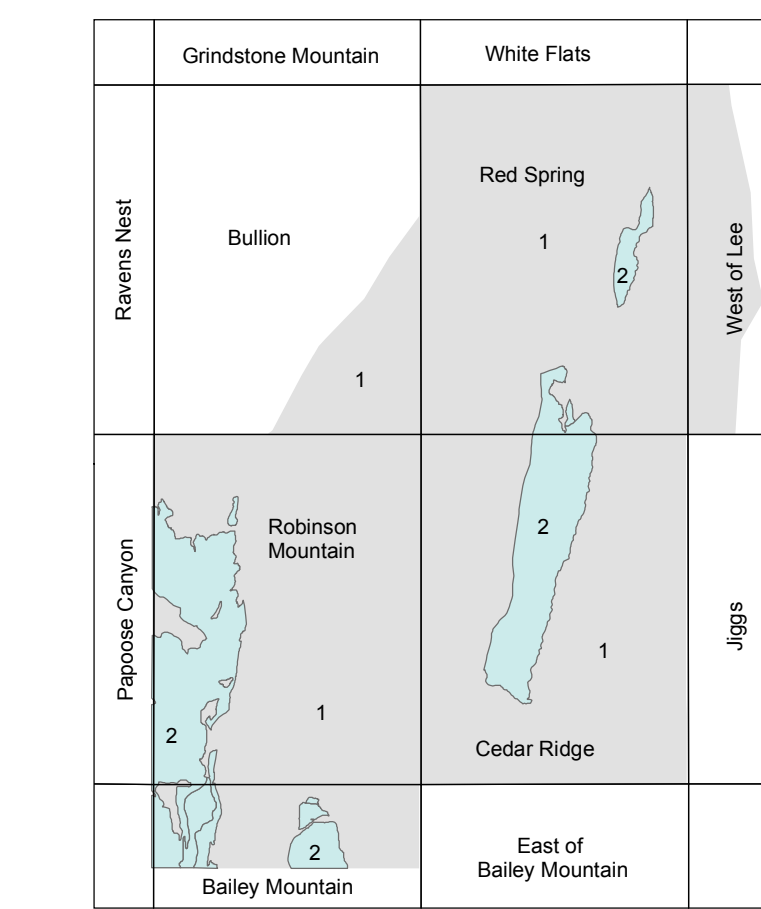


Contact Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed; queried if identity or existence uncertain.
Unconformable contact Solid where certain and location accurate, dashed where inferred, dotted where concealed; queried if identity or existence uncertain.
Normal fault Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed; queried if identity or existence uncertain. Arrows indicated direction of movement.
Bedding trace - - - - -

References
Lund Snee, J.-E., 2013. Geology and geochronology of Cenozoic units in the Piñon Range and Huntington Valley, Nevada. Stanford University, M.S. thesis, 240 p.
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- Quaternary**
 - Qal Alluvium (Quaternary)
 - Qog Older gravels (Quaternary)
 - Qls Landslide deposits (Quaternary)
 - QTr Hay Ranch Formation (latest Tertiary or Quaternary)
- unconformity**
- CENOZOIC**
 - Ta Associated andesite volcanic rocks (Miocene?)
 - Ths Silicified sedimentary rocks of the Humboldt Formation (Miocene)
 - Th Humboldt Formation (Miocene)
- unconformity**
- Tertiary**
 - Tthr Tufts of Hackwood Ranch (Oligocene)
- unconformity**
- CENOZOIC**
 - Tbta Basaltic trachyandesite dike(?) (Eocene?)
 - Tba Basaltic andesite flows (Eocene?)
 - Ti Undivided tufts (Eocene?)
 - Ts Sedimentary rocks (Eocene or Oligocene)
 - Tsvi Undivided subvolcanic intrusions (Eocene) flow-banded & coarsely porphyritic
 - Tsvip Light gray-pink, flow-banded, biotite and smoky quartz bearing subvolcanic intrusions (Eocene)
 - Tsvw White, flow-banded, tabular subvolcanic intrusions (Eocene)
 - Ti Light-colored, flow-banded silicic subvolcanic intrusions and dikes (Eocene?)
 - Tldc Tufts of Dixie Creek (Eocene)
 - Tswr Rhyolite flows and domes, patterned on cross section where intrusive
 - Tirm Tuff of Robinson Mountain (Eocene)
 - Tcc Tuff of Cisillini Canyon (Eocene)
 - Te Elko Formation (Eocene)
- unconformity**
- CENOZOIC or MESOZOIC**
 - TKl Limestone (Late Cretaceous or Eocene?)
 - TKca Conglomerate, sandstone, siltstone, and limestone (Late Cretaceous or Eocene?)
- unconformity**
- PALEOZOIC**
 - Pz Undivided Paleozoic rocks



PRELIMINARY GEOLOGIC MAP OF CENOZOIC UNITS OF THE CENTRAL ROBINSON MOUNTAIN VOLCANIC FIELD AND NORTHWESTERN HUNTINGTON VALLEY, ELKO COUNTY, NEVADA

Jens-Erik Lund Snee and Elizabeth L. Miller
Stanford University
2015

INDEX TO U.S. GEOLOGICAL SURVEY 7.5' QUADRANGLES
1 Mapping of this study
2 Mapping by Smith and Kethner (1978)

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

Field work done in 2010–2012.
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DRAFT
Preliminary geologic map
Has not undergone office or field review

Edited by Joseph P. Colgan (USGS) and Christopher D. Henry
Compilation by Jens-Erik Lund Snee and Elizabeth L. Miller
Cartography and map production in ESRI ArcGIS v10.1 (ArcDoc)
v1.0 by Kaleb E. Ryan, Jens-Erik Lund Snee, and Elizabeth L. Miller
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