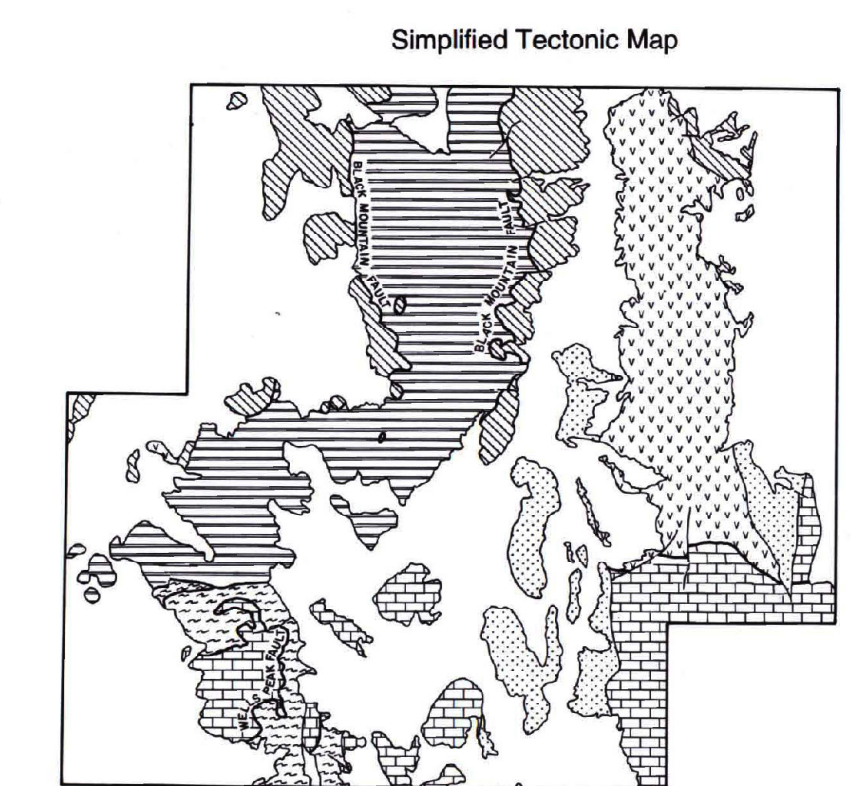


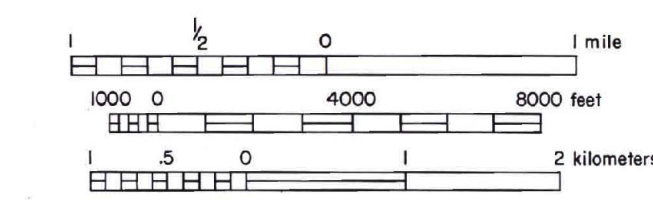
- Quaternary**
  - Ql Landslide deposits
  - Qs Stream deposits
  - Qf Alluvial fan deposits
- Tertiary**
  - The Humboldt Formation—vitric ash member
  - Thc Humboldt Formation—conglomerate member
  - Ths Humboldt Formation—siltstone member
  - Thsd Humboldt Formation—sandstone member
  - Tcd Conglomerate, flow breccia, and sandstone of Deadman Creek
  - Tb Basaltic andesite and rhyolitic tuff of southern Snake Mountains
  - Tsr Rhyolitic ash-flow tuff of Deadman Creek
  - Tfd Green dacitic ash-flow tuff and flow breccia of Deadman Creek
  - Tfr Flow breccia, conglomerate, and rhyolitic tuff of Deadman Creek
- Triassic**
  - Thaynes Formation
  - Gerster Formation
  - Murdock Mountain Formation
- Permian**
  - Meade Peak Member of the Phosphoria Formation
  - Kaibab Limestone
  - Pequop Formation
  - Undifferentiated Permian strata of varied age
- Mississippian**
  - Melandco Sandstone
  - Tripon Pass Limestone
  - Guilmette Formation
- Devonian**
  - Sevy and Simonson Dolomites
  - Roberts Mountains Formation
- Dev.-Silurian**
  - Fish Haven Dolomite
- Ordovician**
  - Eureka Quartzite
  - Pogonip Group strata
- Metamorphosed Units**
- Pennsylvanian**
  - Ely Limestone
- Mississippian**
  - Diamond Peak Formation
  - Chainman Formation
- Devonian**
  - Guilmette Formation
- Py? Formations queried where uncertain or poorly exposed

- Low-angle normal fault** Dashed where inferred; dotted where covered; tick marks on hanging wall; arrow denotes calculated dip of fault.
- High-angle normal fault** Dashed where inferred; dotted where covered; ball on down-thrown side; queried where uncertain; arrow denotes measured dip of fault.
- Thrust fault** dashed where inferred; teeth on hanging wall.
- High-angle fault interpreted to be strike-slip or oblique-slip** Dashed where inferred; dotted where covered; arrows denote inferred sense of strike-slip; 1/2 denotes sense of dip-slip separation.
- Stratigraphic contact** Dashed where inferred; dotted where covered; queried where uncertain.
- Strike and dip of bedding measured on outcrop
- Strike and dip of bedding measured from strata visible on aerial photograph
- Strike of vertical bedding
- Strike and dip of overturned bedding
- Horizontal bedding
- Strike and dip of foliation
- Strike of vertical foliation
- Strike and dip of foliation Includes trend and plunge of mineral lineation if present.
- Horizontal foliation with trend of mineral lineation
- Trace of axial surface of anticline Dashed where inferred; dotted where covered; arrow denotes plunge of hinge line.
- Trace of axial surface of syncline Dashed where inferred; arrow denotes plunge of hinge line.
- Well drilled for oil and gas Includes operator, well name, and total depth.

A— —A' Ends of cross sections shown on plate 2



Scale 1:48,000



Mapped by Karl J. Mueller 1987-1990

- Tertiary strata unconformably overlying Black Mountain fault
- Tertiary strata offset in hanging wall of Black Mountain fault
- Pre-Tertiary strata offset in hanging wall of Black Mountain fault
- Pre-Tertiary strata offset in footwall of Black Mountain fault
- Pre-Tertiary strata offset in hanging wall of Wells Peak fault
- Pre-Tertiary strata (metamorphosed) offset in footwall of Wells Peak fault

Topographic base from the following U.S. Geological Survey 7 1/2' quadrangle maps: Melandco, Wine Cup Ranch SW, Wine Cup Ranch SE, Wells Peak, Holborn, and Pequop, 1968

Field review:  
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**GEOLOGIC MAP OF THE WINDERMERE HILLS, NORTHEASTERN NEVADA**

Karl J. Mueller  
1993

See plate 2 for cross sections. See accompanying pamphlet for discussion of stratigraphy and structural geology.