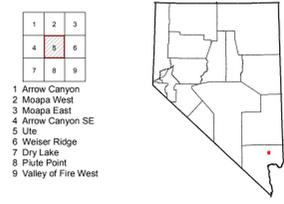


- Qa active alluvium (present to latest Holocene)
- Qayy youngest Quaternary alluvium (mid to late Holocene)
- Qfy youngest Quaternary alluvium fan deposits (Holocene to latest Pleistocene)
- Qay younger Quaternary alluvium (Holocene to latest Pleistocene)
- Qfy younger Quaternary alluvium fan deposits (Holocene to latest Pleistocene)
- Qty younger Quaternary terrace deposits (Holocene to latest Pleistocene)
- Qae younger Quaternary alluvium and eolian deposits (Holocene to latest Pleistocene)
- Qey young eolian sand deposits (Holocene to latest Pleistocene)
- Qw younger Quaternary strath terrace on White Narrows Marl
- Qy younger Quaternary strath terrace on intermediate Quaternary alluvium
- Qyo older younger Quaternary alluvium (early Holocene to latest Pleistocene)
- Qfy older younger Quaternary alluvium fan deposits (early Holocene to latest Pleistocene)
- Qai intermediate age Quaternary alluvium (late Pleistocene)
- Qfi intermediate age Quaternary alluvium fan deposits (late Pleistocene)
- Qao older intermediate age Quaternary alluvium (late to mid. Pleistocene)
- Qmoy younger older Quaternary marly deposits (mid to early Quaternary)
- Qfo lower terrace level of older Quaternary terraces (mid to early Quaternary)
- Qfo middle terrace level of older Quaternary terraces (mid to early Quaternary)
- Qfo oldest terrace level of older Quaternary terraces (mid to early Quaternary)
- Qfo older Quaternary alluvium terrace deposits (mid to early Quaternary)
- Qao older Quaternary alluvium (mid to early Quaternary)
- Qfo older Quaternary alluvium fan deposits (mid to early Quaternary)
- Qao oldest Quaternary alluvium (early Quaternary)
- Qca Quaternary colluvium and eolian deposits
- Qac Quaternary alluvium and colluvium deposits
- Qta Quaternary-Tertiary alluvium (early Quaternary to Pliocene)
- Qtk Quaternary-Tertiary calcrite (early Quaternary to Pliocene)
- Tk lowest level of Tertiary calcrite (Pliocene)
- Tk first inset level of Tertiary calcrite (Pliocene)
- Tk highest level of Tertiary calcrite (Pliocene)
- Tk Tertiary calcrite - undivided (Pliocene)
- Tw White Narrows Marl white siltstones, sandstones, and marls (Pliocene)
- Tmg Muddy Ck. Fm. green siltstone (late? Miocene)
- Tmr Muddy Ck. Fm. unaltered gray sandstone (late? Miocene)
- Tmr Muddy Ck. Fm. red sandstone (mid-late Miocene)
- Tmsl Muddy Ck. Fm. peach siltstone and sandstone (mid-late Miocene)
- Tms Muddy Ck. Fm. lower sandstone (mid-late Miocene)
- Tbs Tertiary block slide broken up limestone (age ?)
- Th Horse Spgs. Fm. limestone (mid-Miocene)
- Ths Horse Spgs. Fm. variegated sandstones (mid-Miocene)
- TRcps Chinle Fm. Sandstone of the Petrified Forest Member (Upper Triassic)
- TRcs Chinle Fm. Shinarump conglomerate (Upper Triassic)
- TRmur Moenkopi Fm. Upper red member (Middle? Triassic)
- TRmg Moenkopi Fm. Siltstone and gypsum (Middle? Triassic)
- TRmd Moenkopi Fm. Dolomite (Middle? Triassic)
- TRmv Moenkopi Fm. Virgin Limestone Member (Lower Triassic)
- TRml Moenkopi Fm. Lower red member and Torowear Member (undivided) (Lower Triassic)
- Phk Kaibab Fm. Harrisburg Member (Lower Permian)
- Phkm Kaibab Fm. Fossil Mountain Member (Lower Permian)
- Ptbc Torowear Fm. Brady Canyon Member (Lower Permian)
- Pts Torowear Fm. Seligman Member (Lower Permian)
- Pte Torowear Fm. Esplanade Sandstone (Lower Permian)
- PPbu Bird Springs Fm. upper gray limestone (Lower Permian and Pennsylvanian)
- PPbm Bird Springs Fm. middle red-brown silty limestone (Lower Permian and Pennsylvanian)
- PPbl Bird Springs Fm. lower gray limestone (Lower Permian and Pennsylvanian)
- Mm Monte Cristo Limestone? (Mississippian)

Symbology (per FGDC-STD-013-2006)

- Contact Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried if identity or existence uncertain.
- Fault Solid where certain and location accurate, long-dashed where approximate, dotted where concealed. Ball on downthrown side.
- Normal fault Solid where certain and location accurate, long-dashed where approximate, dotted where concealed; queried if identity or existence uncertain. Ball on downthrown side.
- Left lateral strike-slip fault Solid where certain and location accurate.
- Left lateral oblique slip fault Solid where certain and location accurate, long-dashed where approximate, dotted where concealed.
- Right lateral oblique slip fault Long-dashed where approximate.
- Anticline Long-dashed where approximate.
- Syncline Long-dashed where approximate.
- Strike and dip of bedding
 / Inclined \ Overtured



Scale 1:24,000
 0 0.5 1 kilometer
 0 0.5 1 mile
 0 1000 2000 3000 4000 5000 feet
 CONTOUR INTERVAL 10 METER
 Projection: Universal Transverse Mercator, Zone 11,
 North American Datum 1927 (m)
 Base map: U.S. Geological Survey Ute
 7.5' quadrangle (1983)

**PRELIMINARY GEOLOGIC MAP OF THE UTE QUADRANGLE,
 CLARK COUNTY, NEVADA**

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 2010

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

Field work done in 2008-2010
 Supported by the Bureau of Land Management
 (Agreement No. FA4070026)

DRAFT
 Preliminary geologic map
 Has not undergone office or field review
 Will be revised before publication

Edited by XXXXXXXXXXXXXXXXXXXX
 Compiled by Craig M. dePolo
 Cartography and map production in ESRI ArcGIS v9.3 (ArcGeology v1.3)
 by Irene Steyke
 First Edition, October 2010
 Printed by Nevada Bureau of Mines and Geology
 This map was prepared as an electronic raster display from digital files. Operational calibration may vary between electronic raster and 4x6 1/2 inch prints on the same paper, and paper may change with revision, scale and projection may not be exact on paper of this map.

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