

Qa	Alluvial deposits (Holocene)
Qf	Alluvial fan and pediment deposits (Holocene to late Pleistocene?)
Qc	Colluvium (Holocene to Pleistocene)
QTgw	Alluvial fan and pediment deposits of Grand Wash Bay (Holocene to Pleistocene)
QTI	Landslide and talus deposits (Holocene to Pliocene?)
QTI	Older alluvial fan and pediment deposits (Pleistocene to Pliocene?)
QTg	Pediment, stream, and alluvial fan deposits of Grapevine Wash (Pleistocene to Pliocene?)
QTm	Fanglomerate of Million Hills (Pleistocene to Pliocene?)
QTC	Chemehuevi Formation (Pleistocene to Pliocene)
QTgw	Colorado River gravels (Pleistocene to Pliocene)
Tbgw	Basalt of Grand Wash Bay (early Pliocene)
Tgw	Red sandstone and siltstone of Grand Wash (early Pliocene to middle Miocene?)
Tgw	Conglomerate of Grand Wash Bay (early Pliocene to middle Miocene?)
Tgw	Sandstone and siltstone of the Grand Wash Trough (late to middle Miocene)
Tgw	Conglomerate (late to middle Miocene)
Thu	Tephra, undifferentiated (middle Miocene)
Tgf	Tephra in Pearce Ferry area (middle Miocene)
Tbp	Crack breccia (late to middle Miocene)
Th	Thumb Member of the Horse Spring Formation (middle Miocene)
Pk	Kalibab Limestone (Permian)
Pt	Torowap Formation (Permian)
Pch	Coconino Sandstone and Hermit Formation (Permian)
Pq	Quantowap Sandstone (Permian)
Pc	Pakoon Limestone (Permian)
Pc	Lower member of the Calville Limestone (Pennsylvanian)
Mr	Redwall Limestone (Mississippian)
Ds	Sultan Limestone and unnamed sandstone (Middle Devonian)
Cm ₅	Muav Limestone, unit 5 (Late Cambrian)
Cm ₃₋₄	Muav Limestone, units 3 and 4 (Middle to Late Cambrian)
Cm ₁₋₂	Muav Limestone, units 1 and 2 (Middle Cambrian)
Cb	Bright Angel Shale (Middle Cambrian)
Ct	Tapeats Sandstone (Lower Cambrian)
pCu	Undivided Proterozoic crystalline rocks (Proterozoic)
Yg	Gold Butte Granite (Mesoproterozoic)
Xg	Leucogranite gneiss (Paleoproterozoic)
Xmgf	Granitic gneiss and amphibolite (Paleoproterozoic)
Xgc	Megacrystic-granitic gneiss (Paleoproterozoic)
Xum	Mafic and ultramafic rocks (Paleoproterozoic)
Xog	Orthogneiss (Paleoproterozoic)
Xgn	Garnet gneiss (Paleoproterozoic)

See accompanying text for overview of the stratigraphy and structure, full unit descriptions, and references for this quadrangle.

Symbology (per FGDC-STD-013-2006)

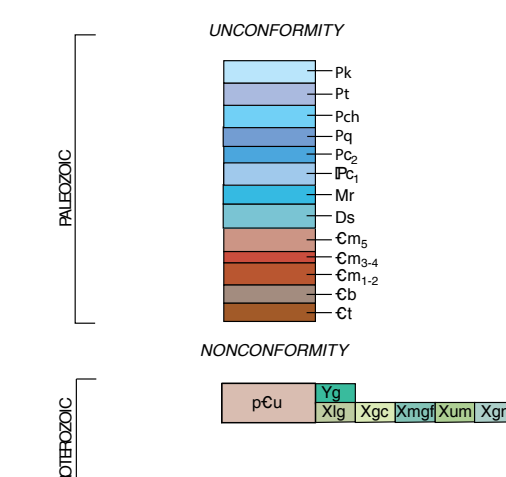
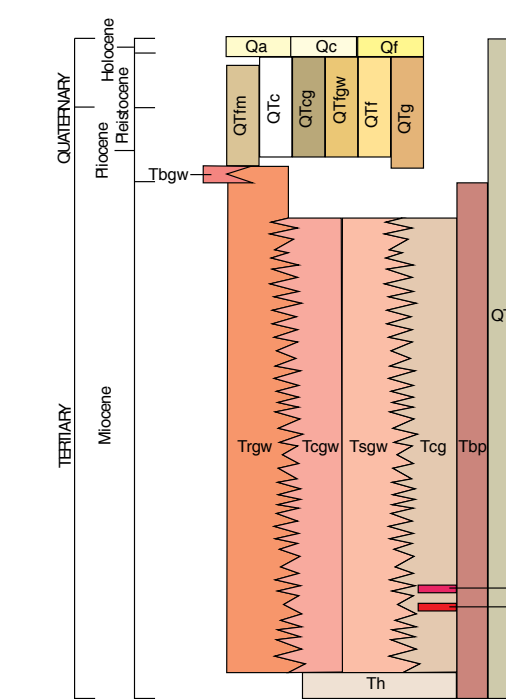
Contact Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed.

Normal Fault Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed. Ball on downthrown side or showing strike and dip of fault plane and trend of fault striae. Arrows show relative motion.

Gently dipping normal fault Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed. Half-circles on downthrown side.

Strike and dip of bedding
 45° Inclined Vertical Horizontal

Strike and dip of foliation
 30° Inclined



GEOLOGIC MAP OF THE ICEBERG CANYON QUADRANGLE, CLARK COUNTY, NEVADA AND MOHAVE COUNTY, ARIZONA

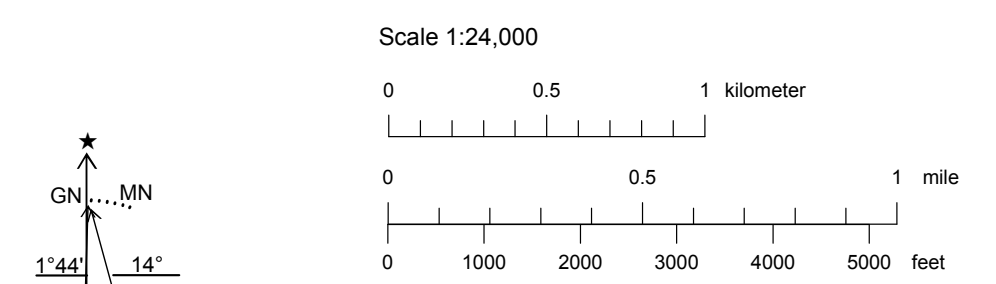
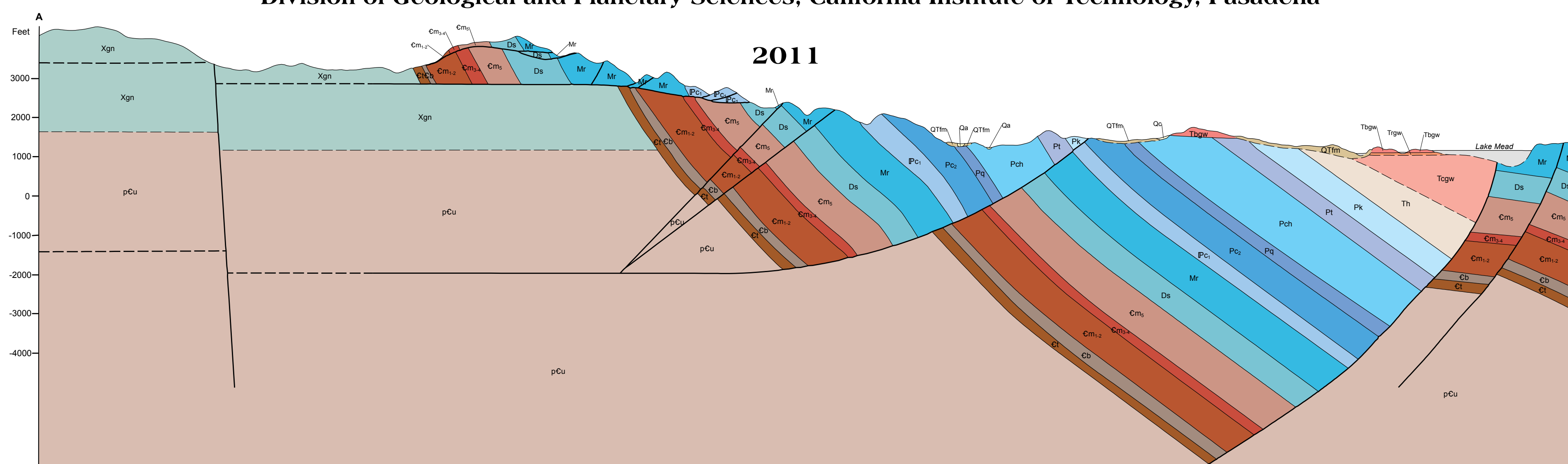
Robert J. Brady¹, Joan E. Fryxell², and Brian P. Wernicke³

¹Department of Geology and Geophysics, University of Calgary, Calgary, AB, Canada

²Department of Geological Sciences, California State University, San Bernardino

³Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena

2011



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

Suggested citation:

Brady, R.J., Fryxell, J.E., Wernicke, B.P., 2011. Geologic map of the Iceberg Canyon quadrangle, Clark County, Nevada and Mohave County, Arizona, with text entitled Overview of the stratigraphy and structure of the Iceberg Canyon quadrangle, Clark County, Nevada and Mohave County, Arizona: Nevada Bureau of Mines and Geology Map 166, 1:24,000 scale, 16 p. text.

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

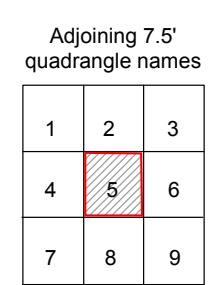
Field work done in 2002
 Supported by the U.S. Geological Survey STATEMAP Program (Agreement No. 01 HQ-PN-0003) and the Bureau of Land Management (Agreement No. FA4270003)

PEER-REVIEWED MAP
 Office review by Ernie Duenbendorfer, James Faudts, and Keith Howard
 Field review by James Faudts, Ernie Anderson, and L. Sue Beard
 Edited by Dick Muehleisig and Susan Trogley
 Cartography and map production in ESRI ArcGIS v9.3 (ArcGIS v1.2) by Robert Chaney, Heather Armento, and Matthew Richardson
 First Edition, December 2011
 Printed by Nevada Bureau of Mines and Geology

This map was created as an electronic product directly from digital files. Dimensional calibration may vary between electronic patterns and 1:24,000 scale on the same paper, and paper may change with time. Scale and projection may not be exact on copies of this map.

For sale by:
 Nevada Bureau of Mines and Geology
 2175 N. Highway 95
 Reno, Nevada 89512
 ph (775) 682-8766
 www.nbmrg.unr.edu, nbmg@unr.edu

1989
 1992
 2002



Adjoining 7.5' quadrangle names		
1	2	3
4	5	6
7	8	9

- 1 Gold Butte
- 2 Azure Ridge
- 3 Jumbo Peak
- 4 Jumbo Peak
- 5 Iceberg Canyon
- 6 Snap Canyon West
- 7 Hiller Mountains
- 8 Meadow North
- 9 Columbine Falls