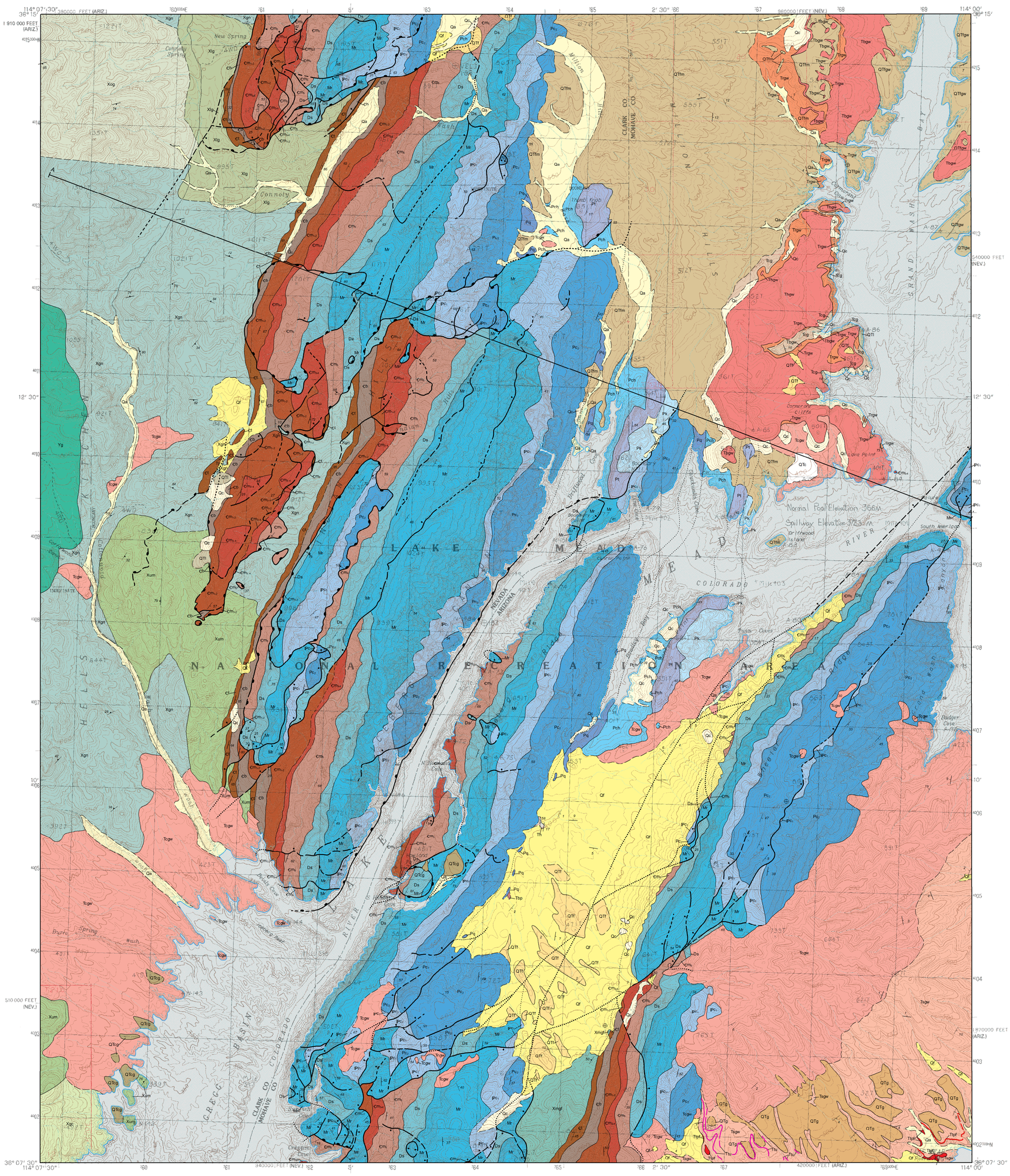
Prepared as part of the STATEMAP component of the National Cooperative Geologic Mapping Program in cooperation with the U.S. Geological Survey
and with support from the Bureau of Land Management through the Southern Nevada Public Land Management Act (SNPLMA)



Qa	Alluvial deposits (Holocene)
Qf	Alluvial fan and pediment deposits (Holocene to late Pleistocene?)
Qc	Colluvium (Holocene to Pleistocene)
QTfgw	Alluvial fan and pediment deposits of Grand Wash Bay (Holocene to Pleistocene)
QTl	Landslide and talus deposits (Holocene to Pliocene?)
QTf	Older alluvial fan and pediment deposits (Pleistocene to Pliocene?)
QTg	Pediment, stream, and alluvial fan deposits of Grapevine Wash (Pleistocene to Pliocene?)
QTfm	Fanglomerate of Million Hills (Pleistocene to Pliocene?)
QTc	Chemehuevi Formation (Pleistocene to Pliocene)
QTcg	Colorado River gravels (Pleistocene to Pliocene)
Tbgw	Basalt of Grand Wash Bay (early Pliocene)
Trgw	Red sandstone and siltstone of Grand Wash (early Pliocene to middle Miocene?)
Tcgw	Conglomerate of Grand Wash Bay (early Pliocene to middle Miocene?)
Tsgw	Sandstone and siltstone of the Grand Wash Trough (late to middle Miocene)
Tcg	Conglomerate (late to middle Miocene)
Ttu	Tephras, undifferentiated (middle Miocene)
Ttpf	Tephra in Pearce Ferry area (middle Miocene)
Tbp	Crackle breccia (late to middle Miocene)
Th	Thumb Member of the Horse Spring Formation (middle Miocene)
Pk	Kaibab Limestone (Permian)
Pt	Toroweap Formation (Permian)
Pch	Coconino Sandstone and Hermit Formation (Permian)
Pq	Queantoweap Sandstone (Permian)
$P€_2$	Pakoon Limestone (Permian)
$P€_1$	Lower member of the Callville Limestone (Pennsylvanian)
Mr	Redwall Limestone (Mississippian)
Ds	Sultan Limestone and unnamed sandstone (Middle Devonian)
$€m_5$	Muav Limestone, unit 5 (Late Cambrian)
$€m_{3-4}$	Muav Limestone, units 3 and 4 (Middle to Late Cambrian)
$€m_{1-2}$	Muav Limestone, units 1 and 2 (Middle Cambrian)
€b	Bright Angel Shale (Middle Cambrian)
€t	Tapeats Sandstone (Lower Cambrian)
p€u	Undivided Proterozoic crystalline rocks (Proterozoic)
Yg	Gold Butte Granite (Mesoproterozoic)
Xlg	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.

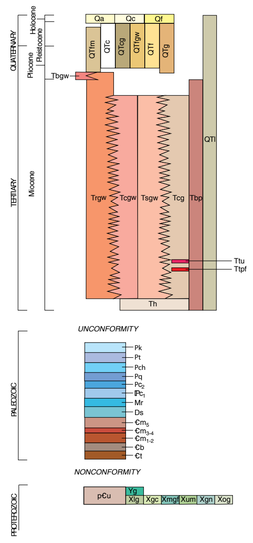
Gently dipping normal fault Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed. Half-circles on downthrown side.

Strike and dip of bedding

Inclined — Vertical — Horizontal

Strike and dip of foliation

Inclined



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

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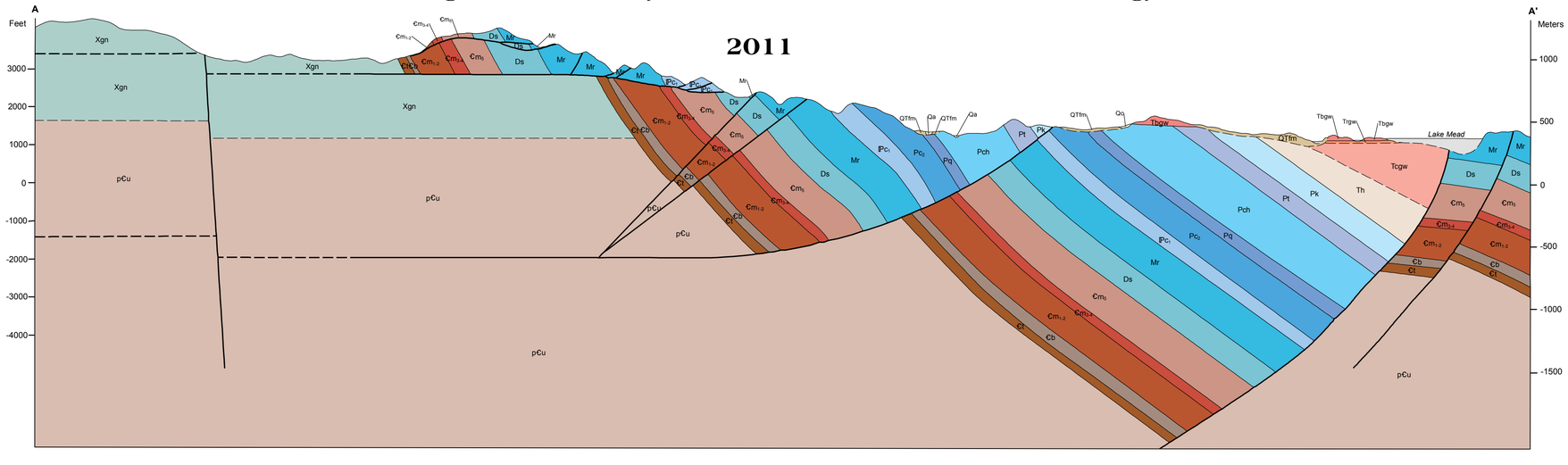
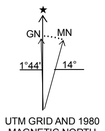
2011





UTM GRID AND 1980 MAGNETIC NORTH

Map Location

Adjoining 7.5′ quadrangle names

1	2	3
4	5	6
7	8	9

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

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
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 James Faulds, Ernie Anderson, and L. Sue Beard

Edited by Dick Meeuwig and Susan Tingley
Cartography and map production in ESRI ArcGIS v9.3 (ArcGeology v1.2)
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