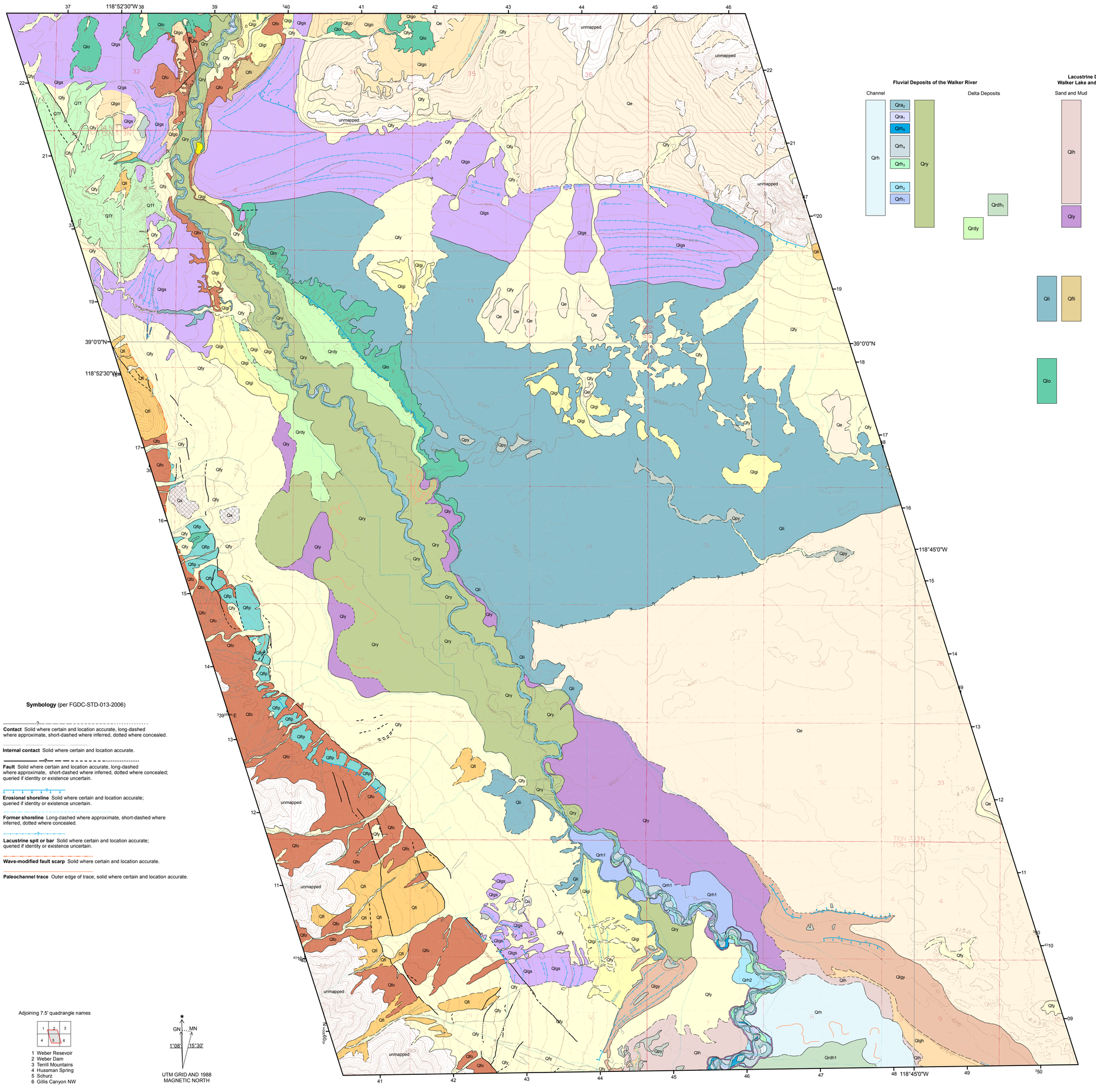

Symbology (per FGDC-STD-013-2006)

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

Internal contact Solid where certain and location accurate.

Fault Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred, dotted where concealed; queried if identity or existence uncertain.

Erosional shoreline Solid where certain and location accurate; queried if identity or existence uncertain.

Former shoreline Long-dashed where approximate, short-dashed where inferred, dotted where concealed.

Lacustrine spit or bar Solid where certain and location accurate; queried if identity or existence uncertain.

Wave-modified fault scarp Solid where certain and location accurate.

Paleochannel trace Outer edge of trace, solid where certain and location accurate.

Adjoining 7.5' quadrangle names

1 Weber Resevoir
2 Weber Dam
3 Terrill Mountains
4 Hussman Spring
5 Schurz
6 Gillis Canyon NW

GN MN
1°08' 15°30'
UTM GRID AND 1988 MAGNETIC NORTH

Fluvial Deposits of the Walker River

Channel: Qrh
Qra2, Qra1, Qrh5, Qrh4, Qrh3, Qrh2, Qrh1, Qry
Delta Deposits: Qrdh1, Qrdy

Lacustrine Deposits of Walker Lake and Lake Lahontan

Sand and Mud: Qlh, Qly, Qli, Qfli, Qlo
Beach: Qlgh, Qlgy, Qlgi, Qflp, Qlgs, Qlgo

Piedmont Deposits of the Wassuk and Gillis Ranges

Qfy, Qfi, Qfo, QTf

Miscellaneous Deposits

Playa: Qpy
Eolian: Qe
Landslide: Qls
Disturbed: Qx

Holocene
Pleistocene

Fluvial channel, bar, and terrace deposits of the Walker River (based in part on Adams, 2007)

- Qra_2 Active river channel river channel and emergent bars
- Qra_1 Active gravel bars
- Qrh Historical channels, bars and terraces, undivided
- Qrh_5 Channels and bars related to flooding and channel migration in 1997
- Qrh_4 Youngest pre-1997 fluvial deposits, coeval with part of Qrdh5
- Qrh_3 Intermediate pre-1997 fluvial deposits, coeval with part of Qrdh4
- Qrh_2 Older pre-1997 fluvial deposits, possibly coeval with Qrdh2
- Qrh_1 Oldest historical channel deposit in map area, possibly coeval with Qrdh1
- Qry Late Holocene fluvial deposits (undivided)

Delta deposits of the Walker River (approximate age ranges adapted from Blair and McPherson, 1994)

- $Qrdh_1$ Historical delta deposits of the Walker River (ca. 1882-1900)
- Qrdy Holocene delta deposits of the Walker River (undivided)

Lacustrine Deposits of Walker Lake and Lake Lahontan (based in part on Demsey, 1987)

Beach gravel deposits

- Qlgh Historical beach gravel and related shoreline features. Age ranges from 1868-1882 to the present
- Qlgy Late Holocene beach gravel and related shoreline features
- Qlgi Late Pleistocene beach gravel and sand
- Qflp Late Pleistocene fan-pediment / lacustrine platform veneer sediments
- Qlgs Late Pleistocene beach gravel and sand of Sehoo Alloformation of Morrison (1991)

Undivided lacutrine sediments, mainly mud and sand

- Qlh Historical lacustrine sediments
- Qly Late Holocene lacustrine sediments
- Qli Late Pleistocene lacustrine sediments
- Qfli Late Pleistocene fluvio-lacustrine sediments. Mixed lacustrine and fluvial delta deposits.
- Qlo Middle to early(?) Pleistocene lacustrine sediments (cf. Reheis et al., 2002)
- Qlgo Gravel facies of preceding unit.

Piedmont deposits of the Wassuk and Gillis Ranges (based in part on Demsey, 1987)

- Qfy Holocene alluvial fan deposits
- Qfi Late Pleistocene alluvial fan deposits
- Qfo Middle to early(?) Pleistocene fan deposits

Miscellaneous deposits

- Qpy Holocene playa sediments
- Qe Holocene to late Pleistocene eolian sediments
- Qls Holocene landslide deposits
- QTf Quaternary/Tertiary alluvial deposits
- Qx Disturbed area / anthopogenic deposits

Scale 1:24,000

0 0.5 1 kilometer

0 0.5 1 mile

0 1,000 2,000 3,000 4,000 5,000 feet

CONTOUR INTERVAL 20 FEET

Projection: Universal Transverse Mercator, Zone 11, North American Datum 1927 (m)

Base map: U.S. Geological Survey Weber Resevoir 7.5' quadrangle (1987)
U.S. Geological Survey Weber Dam 7.5' quadrangle (1987)
U.S. Geological Survey Schurz 7.5' quadrangle (1988)
U.S. Geological Survey Gillis Canyon NW 7.5' quadrangle (1987)

PRELIMINARY GEOLOGIC MAP OF THE NORTHERN PART OF THE LOWER WALKER RIVER AREA, MINERAL COUNTY, NEVADA

P. Kyle House[1] and Kenneth D. Adams[2]

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2010

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

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

Edited by XXXXXXXXXXXXXXXXX
Cartography and map production in ESRI ArcGIS v9.3 (ArcGeology v1.3) by Irene M. Seelye
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