#### **MEETING NOTES**

# GEOLOGIC MAPPING SUBCOMMITTEE of the STATE MAPPING ADVISORY COMMITTEE

1:30 to 3:30 p.m., Wednesday, August 16, 2006
Nevada Bureau of Mines and Geology (NBMG) Conference Room
Scrugham Engineering/Mines Building, Room 401
University of Nevada, Reno Campus

**1:30 p.m.** Welcome and Introductions by Jon Price, Director/State Geologist, Nevada Bureau of Mines and Geology (NBMG).

Jon Price reviewed the history of the State Mapping Advisory Committee (SMAC) and the Geologic Mapping Subcommittee. The purpose of this meeting is to discuss NBMG's geologic mapping priorities, particularly those that will be presented for funding assistance through the Statemap portion of the U.S. Geologic Survey's National Cooperative Geologic Mapping Program. Through the Statemap program we expect significant funding coming to NBMG to support geologic mapping. We match NBMG salaries with federal dollars to produce new geologic maps in several areas of the state. Our priority mapping areas have generally been the Las Vegas and Reno-Carson City urban areas along with rural areas, such as the Humboldt River basin, associated with potential mineral resource development and/or water-related issues.

A graphic was handed (attached) out showing that about 20% of Nevada's 1,980 7.5-minute quadrangles are adequately mapped with the detail that is needed for most applications. We still have 80% of the State to map. Over the past several years NBMG has completed about 8 to 10 geologic quad maps per year.

Review of ongoing and completed mapping projects: Chris Henry handed out two lists (attached). One listed the various projects of the "NBMG-GSN Quadrangle Mapping Program" and the other was the "NBMG Geologic Map Bibliography since 1992 and Current Projects." The lists indicate that NBMG has a backlog of maps that are Statemap deliverables that were released as open-file reports but not completed as fully published maps. A fully published map requires a vigorous field review, peer review, editorial review, and standardization of cartographic symbols.

Del Fortner asked about the status of the Tenabo Quadrangle, (a work in progress by USGS geologist, Chuck Wrucke) and Chris informed him that there still was a slight possibility that it would be completed in the not-too-distant future.

Chris and Jon Price try to locate and encourage authors to submit geologic mapping that may be complete or near completion but is sitting in a drawer, because it was part of a project that no longer exists, or the reason for production of the map was exploration and/or mine development and not necessarily publication.

Kyle House reviewed the Ivanpah project. He has been working on this project the past 4 years. The final products include surficial geologic maps of parts of nine 7.5-minute quadrangles and a derivative product showing areas that have the most potential to be flooded during a storm. The primary focus of this work included the mapping of all drainages leading to Roach Lake, a large playa in the center of the study area, which will soon become home to a new major international airport outside of Las Vegas Valley. Two of the maps shown at the meeting have been released as NBMG Open-File Reports and can be viewed on the Web as PDF files located at:

http://www.nbmg.unr.edu/dox/of068.pdf (Surficial Geologic Map of the Ivanpah Valley Area, Clark County, Nevada, OFR-06-8) and http://www.nbmg.unr.edu/dox/of069.pdf (Geologic Assessment of Piedmont and Playa Flood Hazards in the Ivanpah Valley Area, Clark County, Nevada, OFR-06-9).

This project has been a Statemap priority for several years and has been jointly funded by the Clark County Flood District, Statemap, NBMG, and NASA. This project used many new mapping technologies and has significantly changed the way NBMG will be doing mapping in the future. It used conventional air photography, various types of satellite and airborne remote sensed imagery, field-hardened GPS-enabled computers for field mapping, and new ARCMAP GIS production methods.

John Muntean reviewed the Jerritt Canyon mining district work, which is an ongoing Statemap project. He is using some of the same technologies that Kyle has been developing and using in the Ivanpah project to merge and make sense out of the various company data sets that exist for his project area. He has access to company data for approximately 13,000 drill holes and various types and ages of geologic mapping throughout the area. Chris Henry will be mapping some of the volcanic rocks in the project area. The north half of the project area will be released this year as an open-file report and deliverable to Statemap. Next year the north and south halves will be released together and some detailed cross sections will be produced at the end of the project.

Jon reviewed and discussed previously established priorities for new geologic quadrangle maps in Nevada. Jon explained the "high, higher, and highest" priority classification system used on the old priority map. He also handed around several of the individual layer maps that went into the old priority classification. Areas that have been prioritized generally include the areas around Nevada's growing urban centers and include areas associated with centers of Nevada mining activity. The priorities that were developed are used as a guide to influence where new mapping will be done under the Statemap and Edmap programs.

**For the upcoming Statemap proposal:** Kyle House requested that the north half of Spirit Mountain Quadrangle in southern Nevada be included for new geologic mapping.

Jon requested, for Jim Faulds, that the south half of Fernley West Quadrangle be included in the upcoming proposal for new geologic mapping.

Jon and Liz Crouse presented a new prioritization model for the conversion of already published (paper geologic maps) to a full GIS product. Maps in or near urban areas would have priority along with maps in rural areas within a certain distance of various types of mineral resources, such as gold and silver mines, geothermal resources, and oil fields. Those with the greatest resources within a certain distance would have the highest priority. Maps considered for GIS conversion under this prioritization model included all NBMG geologic maps and USGS GQ series maps.

In the discussion that followed it was decided that maps of lower quality or questionable geologic accuracy should be given much lower priority in the model. There was a consensus among the group that producing a full digital GIS product for what is believed to be a poor quality geologic map was not in the best interest of the public or NBMG. Poor quality maps should be fixed or the areas in question should be remapped before GIS conversion. Maps of uncertain quality or reconnaissance-level of detail should be clearly identified as such in metadata with any GIS products.

**2006-2007 Statemap Proposal**: The upcoming Statemap proposal is capped at \$300,000. It is anticipated that the Spirit Mountain Quadrangle and the north half of the Fernley West Quadrangle will require about \$70,000 from Statemap. The balance of the upcoming proposal will be the conversion of existing geologic mapping to fully digital GIS products. The maps for GIS conversion will be prioritized based on the model as modified and outlined above. The consensus of the group was that this would be a worthy Statemap proposal.

Ron Hess discussed the National Agricultural Imagery Program (NAIP) that is currently being flown for Nevada. It will provide 1-meter resolution, natural color imagery for Nevada with the exception of the Nellis Air Force Range and the Nevada Test Site. Draft compressed mosaics of this imagery are expected to be available by the end of this year with the full resolution digital orthophoto quads delivered by this time next year. All of this imagery will be made available on the Keck Web site (http://keck.library.unr.edu/).

Eric Warmath announced that the Nevada Department of Transportation (NDOT) will be merging and SID compressing the NAIP imagery into 7.5- and 30-minute quadrangles for easier distribution on the Keck Web site. NDOT is also improving their statewide GPS network by installing additional base stations that will allow for decimeter real-time accuracy over much of Nevada.

# Discussion of priorities for geologic mapping to be considered in the proposal process for 2008 included:

Ron Lynn suggested new mapping in the area around Mesquite in southern Nevada. This area is undergoing rapid urban development.

Shawn Gooch identified the Bedell Flat, Dogskin Mountain, and Patrick Quadrangles as areas of increasing urbanization and importance to Sparks.

Joe Laravie suggested more mapping in the mining areas. Twin Creeks area would be a good target for new mapping. He suggested including more information on the types of alteration associated with the mapped area and that more geophysical data (such as depth to bedrock) be included with new geologic mapping.

Matt Forest needs detailed information on faults, soils, geologic units, and depth to water table for the Carson City area. The possibility exists to put together a detailed project, similar to the Ivanpah project, for the Carson area, with Carson City, NBMG, and Statemap as cooperators. The Carson City funding would have to be approved by the Carson City Board of Supervisors.

# 3:30 p.m. Adjourn

For more information contact Jon Price, State Geologist and Director, Nevada Bureau of Mines and Geology (<a href="mailto:jprice@unr.edu">jprice@unr.edu</a>), Chris Henry (<a href="mailto:chenry@unr.edu">chenry@unr.edu</a>) or Ron Hess at 775-784-6691 Ext. 121 or e-mail (<a href="mailto:rhess@unr.edu">rhess@unr.edu</a>).

# LIST OF ATTENDEES

Jon Price Nevada Bureau of Mines and Geology Ron Hess Nevada Bureau of Mines and Geology

Del Fortner Summit Engineering
Joseph Laravie Consulting Geologist

Christine Arritt Nevada Bureau of Mines and Geology

Shawn Gooch City of Sparks

Chris Henry Nevada Bureau of Mines and Geology

Jim Werle Converse Consultants
Ron Lynn Clark County/NESC

John Muntean

Liz Crouse

Kyle House

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Alan Coyner Nevada Division of Minerals

Eric Warmath Nevada Department of Transportation

Matt Forest Carson City GIS

Dave Boden Truckee Meadows Community College

Steve Fechner USDA Forest Service

#### NBMG GEOLOGIC MAP BIBLIOGRAPHY SINCE 1992 AND CURRENT PROJECTS

# Active Mapping

Statemap 06: To be delivered in 2007

Jerritt Canyon mining district: Muntean, Henry

Lahontan Mountains: Bell, House Stockton Well: Boden, Henry, Ramelli

### 2006

Castor, S.B., House, P.K., and Hudson, D.M., 2006, Preliminary geologic map of the Flowery Peak Quadrangle, Storey and Lyon Counties, Nevada: Nevada Bureau of Mines and Geology Open-File Report 06-x, 1:24,000 Faulds, J.E., and Ramelli, A.R., 2006, Geologic map of the north half of the Fernley West Quadrangle, Lyon and Storey Counties, Nevada: Nevada Bureau of Mines and Geology Open-File Report 06-x, 1:24,000. Faulds, J.E., Ramelli, A.R., and Bell, J.W., 2006, Geologic map of the Searchlight Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 06-x, 1:24,000.

Garside, L.J., and Bonham, H.F., 2006, Geologic map of the Olinghouse Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Map 15X, scale 1:24,000

Gonsior, Z.J., 2006, Geologic map of Golconda Canyon, southern Tobin Range: Nevada Bureau of Mines and Geology Open-File Report 06-04, scale 1:24,000.

Henry, C.D., Ramelli, A.R., and Faulds, J.E., 2006, Geologic map of the Seven Lakes Mountain Quadrangle, Washoe County, Nevada and Lassen County: Nevada Bureau of Mines and Geology Open-File Report 06-x, 1:24,000.

Muntean, J.L., and Henry, C.D., 2006, Geologic map of the north half of the the Jerritt Canyon mining district, Elko County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 06-x, 1:24,000.

Theodore, T.G., Moring, B.C., Chadwick, T., Dobak, P.J., Cluer, J.K., Fleck, R.J., 2006, Geology of the Santa Renia Fields Quadrangle, Elko and Eureka Counties, Nevada: Nevada Bureau of Mines and Geology Map 155, scale 1:24,000.

# 2005

Bell, J.W., Garside, L.J., and House, P.K., 2005, Geologic map of the Wadsworth Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Map 153, scale 1:24,000.

Bell, J.W., House, P.K., and Briggs, R.W., 2005, Geologic map of the Nixon area, Washoe County, Nevada: Nevada Bureau of Mines and Geology Map 152, scale 1:24,000.

Castor, S.B., House, P.K., and Hudson, D.M., 2005, Preliminary geologic map of the west half of the Flowery Peak Quadrangle, Storey and Lyon Counties, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-4, 1:24,000.

Faulds, J.E., and Ramelli, A.R., 2005, Preliminary geologic map of the Fernley East Quadrangle, Lyon and Washoe Counties, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-9, 1:24,000. Faulds, J.E., and Ramelli, A.R., 2005, Reconnaissance geologic map of the Granite Range fault zone and adjacent areas, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-11, 1:24,000.

Henry, C.D., Ramelli, A.R., and Faulds, J.E., 2005, Preliminary geologic map of the south half of the Seven Lakes Mountain Quadrangle, Washoe County, Nevada and Lassen County, California: Nevada Bureau of Mines and Geology Open-File Report 05-10, 1:24,000. Note that the unit descriptions for this map are on a separate booklet.

House, P.K., Brock, A.L., and Pearthree, P.A., 2005, Preliminary geologic map of late Cenozoic alluvium in the west half of the Spirit Mountain Southeast Quadrangle, Nevada and Arizona: Nevada Bureau of Mines and Geology Open-File Report 05-8, 1:24,000.

House, P.K., Ramelli, A.R., Buck, B.J., and Park, B.K., 2004, Preliminary surficial geologic map of the Bird Spring Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-7, 1:24,000.

House, P.K., Park, B.P., Ramelli, A.R., and Buck, B.J., 2005, Preliminary surficial geologic map of the Ivanpah Valley part of the Goodsprings Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-6, 1:24,000.

Park, B.P., House, P.K., Ramelli, A.R., and Buck, B.J., 2005, Preliminary surficial geologic map of the Hidden Valley Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-5, 1:24,000.

Laravie, J.A., 2005, Geologic Map of the Kelly Creek Area, Humboldt, Elko, and Lander Counties, Nevada: Nevada Bureau of Mines and Geology Open-File Report 05-01, scale 1:24,000.

Wallace, M.A., Faulds, J.E., and Brady, R.J., 2005, Geologic Map of the Meadview North Quadrangle, Mohave County, Arizona and Clark County, Nevada: Nevada Bureau of Mines and Geology Map 154, 1:24,000.

#### 2004

Bell, J.W., House, P.K., and Briggs, R.W., 2004, Preliminary geologic map of the east half of the Pah Rah Mountain Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open-file Report 04-3, 1:24,000.

Henry, C.D., Faulds, J.E., dePolo, C.M., and Davis, D.A., 2004, Geology of the Dogskin Mountain Quadrangle, northern Walker Lane, Nevada: Nevada Bureau of Mines and Geology Map 148, scale 1:24,000, 13 p. text. House, P.K., Howard, K.A., Pearthree, P., and Bell, J.W., 2004, Preliminary geologic map of the Arizona and Nevada parts of the Mt. Manchester Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-file Report 04-4, 1:24,000.

House, P.K., Park, B.K., and Ramelli, A.R., 2004, Preliminary surficial geologic map of the Nevada part of the Desert Quadrangle: Nevada Bureau of Mines and Geology Open-file Report 04-5, 1:24,000.

Howard, K.A., and MacCready, T., 2004, Geologic map of the Verdi Peak Quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Map 147, 1:24,000.

Nutt, C.J., and Hart, K.S., 2004, Geologic map of the Big Bald Mountain and part of the Tognini Spring Quadrangles, Nevada: Nevada Bureau of Mines and Geology Map 145, 1:24,000.

Park, B.K., House, P.K., and Ramelli, A.R., 2004, Preliminary surficial geologic map of the Roach Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-file Report 04-7, 1:24,000.

Park, B.K., House, P.K., and Ramelli, A.R., 2004, Preliminary surficial geologic map of the Hidden Valley Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-file Report 04-8, 1:24,000.

Ramelli, A.R., Park, B.K., and House, P.K., 2004, Preliminary surficial geologic map of the west half of the McCullough Pass Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-file Report 04-6, 1:24,000.

# 2003

Anderson, R.E., 2003, Geologic map of the Callville Bay Quadrangle, Clark County, Nevada and Mohave County, Arizona: Nevada Bureau of Mines and Geology Map 139, 1:24,000.

Bell, J.W., Garside, L.J., and House, P.K.., 2003, Preliminary geologic map of the Wadsworth Quadrangle, Storey and Washoe Counties, Nevada: Nevada Bureau of Mines and Geology Open-file Report 03-28, 1:24,000. Bell, J.W., House, P.K., and Briggs, R.W., 2003, Preliminary geologic map of the west half of the Nixon Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-21, 1:24,000.

dePolo, C.M., 2003, Preliminary geologic map of the northeast quarter of the Nopah Peak Quadrangle, Nye County, Nevada, and Inyo County, California: Nevada Bureau of Mines and Geology Open-File Report 03-19, 1:24,000.

dePolo, C.M., 2003, Preliminary geologic map of the northeast quarter of the Stewart Valley Quadrangle, Nye County, Nevada and Inyo County, California: Nevada Bureau of Mines and Geology Open-File Report 03-20, 1:24,000.

Duebendorfer, E.M., 2003, Geologic Map of the Government Wash Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Map 140, 1:24,000.

Faulds, J.E., and Garside, L.J., 2003, Preliminary geologic map of the Desert Peak-Brady geothermal fields, Churchill County, Nevada: Nevada Bureau of Mines and Geology Open-file Report 03-27, 1:24,000. Garside, L.J., and Bonham, H.F., 2003, Preliminary geologic map of the Olinghouse Quadrangle, Nevada:

Nevada Bureau of Mines and Geology Open-file Report 03-29, 1:24,000.

Garside, L.J., Castor, S.B., dePolo, C.M., and Davis, D.A., 2003, Geologic Map of the Fraser Flat Quadrangle and western half of the Moses Rock Quadrangle, Nevada: Nevada Bureau of Mines and Geology Map 146, 1:24,000.

House, P.K., and others, 2003, Preliminary Quaternary geologic map of the Jean Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-23, 1:24,000.

House, P.K., and others, 2003, Preliminary Quaternary geologic map of the east half of the Goodsprings Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-24, 1:24,000. House, P.K., and others, 2003, Preliminary Quaternary geologic map of the west half of the Roach Quadrangle, Nevada and California: Nevada Bureau of Mines and Geology Open-file Report 03-25, 1:24,000.

House, P.K., and others, 2003, Preliminary Quaternary geologic map of the east half of the Stateline Pass Quadrangle, Nevada and California: Nevada Bureau of Mines and Geology Open-file Report 03-26, 1:24,000. Howard, K.A., Hook, S.J., Phelps, G.A., and Block, D.L., 2003, Geologic map of the Hiller Mountains Quadrangle, Clark County, Nevada and Mohave County, Arizona: Nevada Bureau of Mines and Geology Map 137, 1:24,000.

John, D.A., and Wrucke, C.T., 2003, Geologic map of the Mule Canyon Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Map 144, 1:24,000.

Keith, S., 2003, Preliminary geologic maps of the northern portion of the Carlin Gold Belt (North Trend), Nevada: Nevada Bureau of Mines and Geology, Open-File Report 03-1, 1:6,000.

Peters, S.G., 2003, Geologic map of the Bobs Flat Quadrangle, Eureka County, Nevada: Nevada Bureau of Mines and Geology Map 138, 1:24,000.

Ramelli, A.R., Yount, J.C., John, D.A., and Garside, L.J., 2003, Preliminary geologic map of the Minden Quadrangle: Nevada Bureau of Mines and Geology Open-File Report 03-13, 1:24,000

Theodore, T.G., Moring, B.C., Harris, A.G., Armstrong, A.K., and Finney, S.C., 2003, Geologic map of the Beaver Peak Quadrangle, Elko and Eureka Counties, Nevada: Nevada Bureau of Mines and Geology Map 143, 1:24,000.

Thorman, C.H., Brooks, W.E., Ketner, K.B., and Dubiel, R.F., 2003, Preliminary geologic map of the Oxley Peak area, Elko County, Nevada: Nevada Bureau of Mines and Geology Open-file Report 03-4, 1:24,000. Wallace, A.R., 2003, Geologic map of the Willow Creek Reservoir Quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Map 135, 1:24,000.

Wallace, A.R., 2003, Geologic map of the Willow Creek Reservoir SE Quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Map 136, 1:24,000.

#### 2002

Brady, R.J., Fryxell, J.E., Wernicke, B.P., 2002, Preliminary geologic map of the Iceberg Canyon Quadrangle, Clark County, Nevada and Mohave County, Arizona: Nevada Bureau of Mines and Geology Open-File Report 03-18, 1:24,000.

dePolo, C.M., and Ramelli, A.R., 2002, Preliminary geologic map of the southern half of the Last Chance Range Quadrangle, Nye County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-14, 1:24,000. Faulds, J.E., Bell, J..W., and Olson, E.L., 2002, Geologic map of the Nelson SW Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Map 134, 1:24,000.

Faulds, J.E., dePolo, C.M., and Henry, C.D., 2002, Preliminary geologic map of the Sutcliffe Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-17, 1:24,000. Faulds, J.E., Henry, C.D., and dePolo, C.M., 2001, Preliminary geologic map of the Tule Peak Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-10, 1:24,000. Faulds, J.E., House, P.K., Ramelli, A.R., Bell, J.W., and Pearthree, P.A., 2001, Preliminary geologic map of the

Davis Dam Quadrangle, Clark County, Nevada, and Mohave County, Arizona: Nevada Bureau of Mines and Geology Open-File Report 03-5, 1:24,000.

Henry, C.D., Faulds, J.E., dePolo, C.M., and Davis, D.A., 2002, Preliminary geologic map of the Dogskin Mountain Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-16, 1:24,000.

Hudson, D.M., Castor, S.B., and Garside, L.J., 2002, Preliminary geologic map of the Virginia City Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-15, 1:24,000.

Ramelli, A.R., dePolo, C.M., and Bell, J.W., 2002, Preliminary geologic map of the Horse Springs Quadrangle, Clark and Nye Counties, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-12, 1:24,000. Moore, S., ed., 2002, Geology of the northern Carlin trend, *in* Thompson, T.B., Teal, L., and Meeuwig, R.O., Gold deposits of the Carlin trend: Nevada Bureau of Mines and Geology Bulletin 111, 204 p., map and cross sections at 1:24,000 with insert at 1:12,000.

Norby, J.W., 2002, Geology of the Maggie Creek district, Carlin trend, Eureka County, Nevada, *in* Thompson, T.B., Teal, L., and Meeuwig, R.O., Gold deposits of the Carlin trend: Nevada Bureau of Mines and Geology Bulletin 111, 204 p., map and cross sections at 1:18,000 with inserts at 1:12,000.

Satterfield, J.I., 2002, Geologic map of the southern Sand Springs Range, Churchill and Mineral Counties Nevada: Nevada Bureau of Mines and Geology Map 133, 1:24,000.

Silberling, N.J., and Nichols, K.M., 2002, Geologic map of the White Horse Pass area, Elko County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 132, 1:24,000.

#### 2001

dePolo, C.M., Ramelli, A.R., and Bell, J.W., 2001, Preliminary geologic map of the Sixmile Spring Quadrangle, Nye County, Nevada, and Inyo County, California: Nevada Bureau of Mines and Geology Open-File Report 03-11, 1:24,000.

Ramelli, A.R., House, P.K., Wrucke, C.T., and John, D.A., 2001, Geologic map of the Stony Point Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 131, 1:24,000.

House, P.K., Ramelli, A.R., and Wrucke, C.T., 2001, Geologic map of the Battle Mountain Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 130, 1:24,000.

Hintze, L.F., and Axen, G.J., 2001, Geologic map of the Lime Mountain Quadrangle, Lincoln County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 129, 1:24,000.

Schwartz, K.M., and Faulds, J.E., 2001, Preliminary geologic map of the Chalk Hills Quadrangle, Storey County, Nevada: Nevada Bureau of Mines and Geology, Open-File Report 01-1, 1:24,000.

#### 2000

Carr, M.D., McDonnell-Canan, C. and Weide, D.L., 2000, Geologic map of the Blue Diamond SE Quadrangle, Nevada: Nevada Bureau of Mines and Geology Geologic Map 123, 1:24,000.

Castor, S.B., Faulds, J.W., Rowland, S.M., and dePolo, C.M., 2000, Geologic map of the Frenchman Mountain Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 127, 1:24,000.

dePolo, C.M., Ramelli, A.R., and Munteen, T., 2000, Geologic map of the Gardnerville Quadrangle, Douglas County, Nevada: Nevada Bureau of Mines and Geology, Open-File Report 00-9, 1:24,000.

Faulds, J.E., Henry, C.D., and dePolo, C.M., 2000, Geologic map of the southern half of the Tule Peak Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology, Open-File Report 00-10, 1:24,000.

House, P.K., 2001, Preliminary Quaternary geologic map of the Yerington Quadrangle, Lyon County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 03-8, 1:24,000.

House, P.K., Ramelli, A.R., and Wrucke, C.T., and John, D.A., 2000, Geologic map of the Argenta Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 00-7, 1:24,000.

Howard, K.A., 2000, Geologic map of the Lamoille Quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 125, 1:24,000.

McDonnell-Canan, C., Axen, G., Carr, M.D. and Weide, D.L., 2000, Geologic map of the Blue Diamond NE Quadrangle, Nevada: Nevada Bureau of Mines and Geology Geologic Map 124, 1:24,000.

Ramelli, A.R., and House, P.K., 2000, Geologic map of the Bateman Spring Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-6, 1:24,000.

#### 1999

Bell, J.W., Ramelli, A.R., dePolo, C.M., Maldonado, F., and Schmidt, D.L., 1999, Geologic map of the Corn Creek Springs Quadrangle, Nevada: Nevada Bureau of Mines and Geology Geologic Map 121, 1:24,000. dePolo, C.M., Ramelli, A.R. and Bell, J.W., 1999, Geologic map of the Pahrump Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-14, 1:24,000.

Faulds, J.E., and Bell, J.W., 1999, Geologic map of the Nelson SW Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-15, 1:24,000.

Gans, P.B., Miller, E.L., Huggins, C.C., and Lee, J., 1999, Geologic map of the Little Horse Canyon Quadrangle, Nevada and Utah: Nevada Bureau of Mines and Geology Field Studies Map FS-20, 1:24,000. Gans, P.B., Miller, E.L., and Lee, J., 1999, Geologic map of the Spring Mountain Quadrangle, Nevada and Utah: Nevada Bureau of Mines and Geology Field Studies Map FS-18, 1:24,000.

Garside, L.J. and Niles, F.L., 1999, Geologic map of the Griffith Canyon Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-4, 1:24,000.

Garside, L.J. and Rigby, J.G., 1999, Geologic map of the McTarnahan Hill Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-5, 1:24,000.

Henry, C.D. and Boden, D.R. 1999, Geologic map of the Toe Jam Mountain Quadrangle, Nevada: Nevada Bureau of Mines and Geology Geologic Map 117, 1:24,000.

Henry, C.D., Boden, D.R., and Castor, S.B., 1999, Geologic map of the Tuscarora Quadrangle, northeastern Nevada: Nevada Bureau of Mines and Geology Map 116, 1:24,000.

Henry, C.D., and Faulds, J.E., 1999, Geologic map of the Emigrant Pass Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-9, 1:24,000.

House, P.K., Ramelli, A.R., and Wrucke, C.T., 1999, Geologic map of the Battle Mountain Quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-6, 1:24,000.

Lee, J., Gans, P.B., and Miller, E.L., 1999, Geologic map of the Third Butte East Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-16, 1:24,000.

Lee, J., Gans, P.B., and Miller, E.L., 1999, Geologic map of the Mormon Jack Pass Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-17, 1:24,000.

Lee, J., Miller, E.L., Gans, P.B., and Huggins, C.C., 1999, Geologic map of the Mount Moriah Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-19, 1:24,000.

Miller, E.L., and Gans, P.B., 1999, Geologic map of the The Cove Quadrangle, Nevada and Utah: Nevada Bureau of Mines and Geology Field Studies Map FS-22, 1:24,000.

Miller, E.L., Gans, P.B., Grier, S.P., Huggins, C.C., and Lee, J., 1999, Geologic map of the Old Mans Canyon Quadrangle, Nevada and Utah: Nevada Bureau of Mines and Geology Field Studies Map FS-21, 1:24,000. Stewart, J.A., 1999, Geologic map of the Carson City 30 x 60 minute Quadrangle: Nevada Bureau of Mines and Geology Map 118, 1:100,000.

## 1998

Bell, J.W., Ramelli, A.R., and Caskey, S.J., 1998, Geologic map of the Tule Springs Park Quadrangle, Nevada: Nevada Bureau of Mines and Geology Map 113, 1:24,000.

Best, M.G., and Hintze, L.F., Deino, A.L., and Maughan, L.L., 1998, Geologic map of the Fairview Range and Grassy Mountain, Lincoln County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 114, 1:24,000.

Connors, K.A., Weiss, S.I., and Noble, D.C., 1998, Geologic map of the northern Bullfrog Hills and vicinity, southern Nye County, Nevada: Nevada Bureau of Mines and Geology Geologic Map 112, 1:24,000.

Henry, C.D., and Boden, D.R., 1998, Geologic map of the Mount Blitzen Quadrangle, Elko County, northeastern Nevada: Nevada Bureau of Mines and Map 110, 1:24,000.

John, D.A., 1998, Geologic map of the Wonder Mountain Quadrangle, Nevada: Nevada Bureau of Mines and Geology Geologic Map 109, 1:24,000.

McKee, E.H., and Conrad, J.A., 1998, Geologic Map of the Frazier Creek Quadrangle, Eureka County, Nevada: Nevada Bureau of Mines and Geology Field Studies Map 15, 1:24,000.

Ruppert, R.F., and Faulds, J.E., 1998, Geologic map of the western half, Fourth of July Mountain Quadrangle, southern Nevada: Nevada Bureau of Mines and Geology Open-File Report 98-7, 1:24,000.

Thole, R.H., and Prihar, D.W., 1998, Geologic map of the Eugene Mountains, northwestern Nevada: Nevada Bureau of Mines and Geology Map 115, 1:24,000.

#### 1997

Bell, J. W., Ramelli, A. R., and dePolo, C., 1997, Geologic map of the Tule Springs Park Quadrangle, Clark County, Nevada: Nevada Bureau of Mines and Geology Open-File Map 97-DD, scale 1:24,000.

Capps, R. C., and Moore, J. A., 1997, Geologic map of the Castle Mountains, Nevada and California: Nevada Bureau of Mines and Geology Map 108, scale 1:24,000.

Connors, K. A., Weiss, S. I., and Noble, D.C., 1997, Geologic map of the northern Bullfog Hills: Nevada Bureau of Mines and Geology Open- File Map 97-AA, scale 1:24,000.

Garside, L. J., 1997, Geologic map of the western half of the Griffith Canyon Quadrangle, Washoe County, Nevada: Nevada Bureau of Mines and Geology Open- File Map 97-CC, scale 1:24,000.

Henry, C. D., and Boden, D. R., 1997, Geologic map of the Mount Blitzen Quadrangle, Elko County, northeastern Nevada: Nevada Bureau of Mines and Geology Open-File Map 97-BB, scale 1:24,000.

Jones, A. E., 1997a, Geologic map of the Delvada Spring Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map 13, scale 1:24,000.

Jones, A. E., 1997b, Geologic map of the Hot Springs Peak Quadrangle and the southeastern part of the Little Poverty Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map 14, scale 1:24,000.

## 1996

Faulds, J.E., 1996, Geologic map of the Fire Mountain Quadrangle, Nevada and Arizona: Nevada Bureau of Mines and Geology Map 106, scale 1:24,000.

Henry, C.D., 1996, Geologic map of the Bell Canyon Quadrangle, western Nevada: Nevada Bureau of Mines and Geology Field Studies Map 11, 1:24,000 scale.

Henry, C.D., 1996, Geologic map of the Bell Mountain Quadrangle, western Nevada: Nevada Bureau of Mines and Geology Field Studies Map 12, 1:24,000 scale.

#### 1995

Faulds, J.E., 1995, Geologic map of the Mount Davis Quadrangle, Nevada and Arizona: Nevada Bureau of Mines and Geology Map 105, scale 1:24,000.

Bell, J.W., 1995, Quaternary geology of the Mina Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map 10, scale 1:24,000.

Doebrich, J.L., 1995, Geology of the Antler Peak Quadrangle, Nevada: Nevada Bureau of Mines and Geology Bulletin 109. Plate 1 is a 1:24,000-scale geologic map.

Emmons, D.L., and Eng, T., 1995, Geologic map of the McCoy mining district, Lander County, Nevada: Nevada Bureau of Mines and Geology Map 103, scale 1:24,000.

John, D.A., 1995, Geologic map of the Pirouette Mountain Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map 9, scale 1:24,000.

Martin, M.W., and Naumann, T.R., 1995, Geologic map of the Reveille Quadrangle, Nevada: Nevada Bureau of Mines and Geology Map 104, scale 1:24,000.

#### 1994

Faulds, J.E., Bell, J.W., Feuerbach, D.L., and Ramelli, A.R., 1994, Geologic map of the Crater Flat area, Nevada: Nevada Bureau of Mines and Geology Map 101, scale 1:24,000.

Keith, J.D., Tingey, D.G. and Best, M.G., 1994, Geologic map of the Rice Mountain Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-7, scale 1:24,000.

Mills, J.G., 1994, Geologic map of the Hoover Dam Quadrangle: Nevada Bureau of Mines and Geology Map 102, scale 1:24,000.

Oleson-Elliot, S.G., 1994, Geologic map of the Pintail Bay Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-8, scale 1:24,000.

# 1993

Bonham, H.F., Jr., and Bell, J.W., 1993, Geologic map, Steamboat Quadrangle: Nevada Bureau of Mines and Geology Urban Map 4Fg, scale 1:24,000.

Castor, S.B., 1993, Borates in the Muddy Mountains, Clark County, Nevada: Nevada Bureau of Mines and Geology Bulletin 107. Plate 1 is a 1:24,000-scale geologic map.

Feeley, T.C., 1993, Geologic map of the Robinson Summit Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-2, scale 1:24,000.

Garside, L.J., 1993, Geologic map of the Bedell Flat Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-3, scale 1:24,000.

John, D.A., 1993, Geologic map of the Job Peak Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-5, scale 1:24,000.

Matti, J.C., Castor, S.B., Bell, J.W., and Rowland, S.M., 1993, Geologic map of the Las Vegas NE Quadrangle, Nevada: Nevada Bureau of Mines and Geology Urban Map 3Cg, scale 1:24,000.

Mueller, K, 1993, Geologic map of the Windemere Hills, northeastern Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-4, scale 1:24,000.

Oldow, J.S., and Dockery, H.A., 1993, Geologic map of the Mina Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-6, scale 1:24,000.

#### 1992

Boden, D.R., 1992, Geologic map of the Toquima caldera complex, central Nevada: Nevada Bureau of Mines and Geology Map 98, scale 1:48,000.

Oldow, J.S., and Meinwald, J.N., 1992, Geologic map of the Bettles Well Quadrangle, Nevada: Nevada Bureau of Mines and Geology Field Studies Map FS-1, scale 1:24,000.

# NBMG-GSN Quadrangle Mapping Program

Bottles Well	Quadrangle/Area	Geologist	Year	Fund Contributor	Status			
Bettles Well Notinown Simmat T         PSI (1992)         RSN (1993)           Robinson Summit T         FSI (1994)         GSN (1904)         FS-2, 1993           Windermere Hills ark Kueller (1991)         Mina (1994)         PSI (1993)           Rice Mountain (1994)         Keith and other 1991         Homestake (1994)           Pintail Bay (1994)         O Smith 1991         Homestake (1994)           1 Quals, N Snake Rt Miller and other 1991         Magma, Echo Bay, N FS-16 through 22, 1999           Hot Springs Peak, P'E Jones (1991)         Santa Fe FS-14, 1997           Ne Rose NW (1992)         W Gates (1991)         MGF (1994)           Winnemuca East (1994)         S Slahl (1991)         MGF (1994)           Minemuca East (1994)         S Slahl (1992)         MGF (1992)           Minemuca East (1994)         S Slahl (1992)         Magma, Echo Bay, N FS-16 through 22, 1999           Minemuca East (1994)         S Slahl (1994)         Magma, Echo Bay, N FS-16 through 22, 1999           Minemuca East (1994)         S Slahl (1994)         MGC (1994)         MGC (1994)           Minemuca East (1994)         S Slahl (1994)         MGC (1994)         MGC (1994)           Miner Peak (1994)         J Dobrich (1992)         MGR (1994)         MgP (1994)           Velocime A (1994)         MGR (1994)	Hoover Dam	J Mills	1991	MCF	Map 102, 1995			
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Bobs Flat	Peters	Volunteered USGS	Map 138, 2003
Mesquite	Williams	Volunteered USGS	Office and field review done; waiting for author
Cooper Peak	Murphy, McKee etc	Volunteered	Nearly ready for publication
Butte Range	B Otto	Volunteered	Cartography nearly completed
Beaver Peak	T Theodore et al	USGS	Map 143, 2003
Mule Canyon	D John, C Wrucke	USGS	Map 144, 2003
Big Bald Mt	C Nutt, Hart	USGS	Map 145, 2003
Santa Renia Fields	Theodore et al	USGS	Map 155, 2006 (out any day)
Oxley Peak	Thorman et al	USGS	Open-file report 03-4, 2003
Northern Carlin trend S. Moore		Newmont	NBMG Bulletin 111, 2002
Maggie Creek, Carlin J Norby		Newmont	NBMG Bulletin 111, 2002
Northern Carlin tren	d S Keith	NBMG	Open-file report 03-1, 2003
Chalk Hills	Schwartz, Faulds	Volunteered	Open-file report 04-11
Bullwhacker Spring, J Fryxell		NBMG	Bullwhacker Spring promised Sept 06
Callaway Well, Tro	oy Canyon		
Singeltree Creek	Steve Moore	Volunteered	In progress
Kelly Creek area	Joseph Laravie	Volunteered	Open-file report 05-1, 2005
Golconda Canyon	Zac Gonsior	Volunteered	Open-file report 06-4, 2006
The Cedars	Thomas Moore	USGS	started office review

# Nevada 1:24,000 Scale Geologic Mapping

