## **GEOLOGICAL SOCIETY OF NEVADA** NEWSLETTER

Geological Society of Nevada, PO Box 13375, Reno, NV 89507 USA, 775/323-3500, www.gsnv.org Office location: Laxalt Mineral Research Center, Rm 266, UNR. Hours: Mon thru Fri, 9 am-1 pm

April 2008, Vol. 23, No. 4

Published monthly except June and July



Harvest Gold Corp. (US) greghillgeo@yahoo.com

#### VICE PRESIDENT

#### Marcus Johnston

Victoria Resources US Inc marcus@apexmineralresources.com

#### **SECRETARY**

#### D.D. LaPointe

Nevada Bureau of Mines and Geology dlapointe@unr.edu

#### **TREASURER**

#### **Camille Prenn**

Mine Development Associates cami@mda.com

#### MEMBERSHIP CHAIR

**Opal Adams** 

Enviroscientists, Inc. ofadams@enviroincus.com

#### **PUBLICATION CO-CHAIRS**

#### Marilyn Miller

AuEx, Inc. marilyn.miller1@sbcglobal.net

#### Debbie Schneider

Schneider and Schneider Assoc dschneider41@charter.net

#### **OFFICE MANAGER**

#### **Kelly Parsons**

gsn@gsnv.org

#### CALENDAR OF GSN EVENTS

#### May 9-11

GSN SPRING FIELD TRIP, coordinator: Marcus K. Johnston, Victoria Resources US Inc. See page 2-4 for more information.

#### April 9, Wednesday

WINNEMUCCA CHAPTER will have the monthly meeting at the Martin Hotel, beginning at 6:30 pm, talk to follow at 7:00 pm. The speaker for the evening is Gregory Ferdock from CGF Geological Consultants. He will be presenting a talk titled, "The Mount Hope Molybdenum Porphyry, Eureka County, NV". Sponsor for the evening is American Assay.

#### **April 17, Thursday**

ELKO CHAPTER will have the monthly meeting at the Western Folklife Center, beginning at 6:00 pm with the social hour and the talk beginning at 7:00 pm. For more information contact Nancy Richter, 775/468-4527, nrichter@barrick.com.

#### April 18, Friday

GSN MEMBERSHIP MEETING will be held the Reno Elks Lodge 597 Kumle Lane, Reno, NV. Drinks at 6 pm, dinner at 7 pm, and talk at 8:00 pm. Speaker for the evening will be Tom Nimsic. His talk is titled "LINDERO: New 2 Million Ounce Potential Gold Porphyry in Argentina." Contact Kelly Parsons for reservations, 775/323-3500, gsn@gsnv.org.

#### April 24, Thursday

SOUTHERN NEVADA CHAPTER monthly meeting will be held at the University of Nevada, Las Vegas, Room 105 at 6:45 pm. For more information contact Lora Griffin at lora.griffin@unlv.edu.

GSN's March monthly meeting was well attended with 62 folks (7 comped students).

#### FROM THE PRESIDENT

Greg Hill, GSN President 2007-2008

As my time winds down as president of GSN I have been reflecting on the experience and the personal and professional growth GSN has afforded me. I have made many friends through attending GSN events over the years and many more have come my way this year. These are interesting people, the backbone of the minerals exploration industry. GSN is composed of a diverse group of people and I have very much enjoyed getting to know so many of you. Thanks for the honor of having me as your president this past year. A new slate of officers has been nominated. A request will be put out to the membership shortly to vote on the new slate of officers and two open board positions.

Those that attended the March dinner meeting in Reno were treated to an exceptional talk given by Stan Keith. His

discussion of what he and his group of co-authors postulates to be the Serpentosphere generated a significant continued on page 4

#### **APRIL MEETING SPONSOR**



LANCE TAYLOR PRESIDENT

970 CAUGHLIN CROSSING, SUITE 102 • RENO, NV 89509 P.O. BOX 11532 • RENO, NV 89510

775 746 7146

Fax 775 746 7156 Itaylor@geotemps.com

www.geotemps.com



### GSN SPRING FIELD TRIP May 9-11, 2008

Mines and Wines: A Geologic Perspective on the Central Mother Lode and Vineyards in the Northern California Foothills

Field Trip Coordinator: Marcus K. Johnston, Victoria Resources US Inc.

Northern California is affected by a complex geologic history, which has given rise to a unique set of conditions that contribute to the history, culture, and economics of the region. Although the modern history of Northern California began with Spanish explorers reaching Monterey in 1602, the first Americans did not settle in the area until the early 1830s, and even so, comprised only a small number of traders and trappers. The discovery of placer gold at John A. Sutter's saw mill at Coloma in January, 1848, and the ensuing gold rush, is inarguably the catalyst that led to explosive population growth and development of other large-scale industries that today help make California one of the leading economies in the world. In the Northern California Foothills, the modern financial drivers are largely real estate, tourism, horticulture, and vinification, yet the area still retains the aura, romance, and many of the of the physical vestiges of its mining history. The aim of this field trip is to intertwine the past with a bit of the present, emphasizing the role geology plays for both.

We are planning a three-day trip, with day one including an 8 a.m. departure from Reno. We will travel from the High Desert via Interstate 80, over the Sierra Nevada Mountains, and into the heart of the Northern California Foothills. Our first stop will be at historic Grass Valley, one of the most important gold producers on the Mother Lode. Here, Dr. Gregg Wilkerson will present a geologic overview of the Mother Lode region. We will tour the Empire mine, which produced around 5.8 million ounces of gold during its heyday, and then have a traditional miner's luncheon before continuing on to Auburn, where we will stop at the Gold Country Museum. In the later afternoon, we will visit one of the wineries in the Placerville area, where we will taste the local varietals and learn about the relationship between geology and terroir. We will finish day one at Placerville, where we will eat dinner and stay overnight. After dinner, George Wheeldon (Emeritus Professor, Folsom Lake College) will give a presentation on the history and hard rock mines in the Northern Mother Lode.

Day two will begin with an 8 a.m. departure from Placerville. We will head south on State Highway 49, and

focus the better part of the morning and early afternoon on the 10-mile-long stretch of the Mother Lode between Plymouth and Jackson. Our trip leader for this segment will be Mark Payne (Sutter Gold Mining Inc.). This part of the trip will include a tour of the Lincoln mine, at Sutter Creek, and/or another mine in the area. In the afternoon, we will stop at the Ironstone Winery, near Murphys, to see their famous 44-pound crystalline gold specimen from the Harvard mine, tour their vineyards and processing facilities, and taste their wines. We will then travel to Sonora, where we will eat dinner and stay overnight. We will have a short presentation before dinner, with the speaker and topic to be announced.

On day three, we will take a tour of the famous Harvard mine in Jamestown with local geologist Ross Grunwald. After the tour, will stop at the Tuolumne County Historical Museum in downtown Sonora, where we will see an impressive suite of gold specimens from Mother Lode deposits. We will return to Nevada via State Highway 108, crossing the Sierra Nevada Mountains through the picturesque Sonora Pass, and arrive back in Reno by 5 pm.

#### SPRING FIELD TRIP ITINERARY

#### Friday, May 9, 2008

7:30 am Meet at the UNR parking lot

8:00 am Bus leaves promptly at 8:00 am

10:00 am Field presentation: Geologic Overview of the Northern California Foothills, by Dr. Gregg Wilkerson (California Bureau of Land Mgmt)

11:00 am Empire Mine tour

1:00 pm Miner's Luncheon, Empire Mine State Park

2:00 pm Bus leaves the Empire Mine State Park for Auburn

2:30 pm Gold Country Museum, Auburn

3:30 pm Bus leaves Auburn for (tba) Winery

4:30 pm (tba) Winery tour and tasting (still waiting final confirmation)

6:00 pm Bus leaves (tba) Winery for Placerville

7:00 pm Dinner in Placerville

8:00 pm Talk: History and Hard Rock Mines in the Northern Mother Lode, by George Wheeldon (Emeritus Professor of Geology, Folsom Lake College)

Overnight lodging in Placerville

#### Saturday, May 10, 2008

Breakfast on your own

8:00 am Bus leaves Placerville for Plymouth

8:45 am Plymouth-Jackson area geologic tour with Mark

continued on page 3

### Thanks to CGS, inc for hosting the March meeting.

### GSN April 18, 2008 Membership Meeting

Date: Friday, April 18, 2008

Time: Social-6:00, Dinner-7:00 (\$17), Meeting-8:00

Reservations: 775/323-3500; fax 323-3599,

e-mail gsn@gsnv.org

Deadline: Reserve by 12 noon Thursday, April 17th

Location: Elks Lodge, 597 Kumle Lane, Reno, NV

**Directions:** Across (W) from the Reno-Sparks Convention Center (S Virginia St), behind the Les Schwab Tire Center

**Speakers/topic:** Tom Nimsic. See abstract on page 4.

Payne (Sutter Gold Mining Inc.)

12:15 pm Lunch

1:15 pm Bus leaves Jackson for Ironstone Winery near

Murphys

2:30 pm Ironstone Winery tour and tasting

5:00 pm Bus leaves Ironstone Winery for Sonora

6:30 pm Talk (tba)

7:00 pm Dinner in Sonora

Overnight lodging in Sonora

#### Sunday, May 11, 2008

Breakfast on your own

8:00 am Bus leaves Sonora for Jamestown

8:30 am Harvard mine tour (Ross Grunwald)

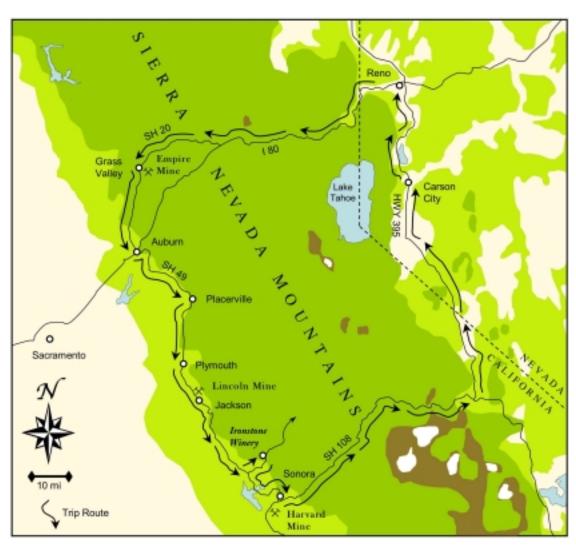
10:30 am Bus leaves Harvard mine for Sonora

11:00 am Tuolumne County Historical Museum, Sonora

12:00 pm Bus leaves Sonora for Reno, lunch en route

5:00 pm Bus arrives at the UNR parking lot

#### SEE SIGN UP FORM ON PAGE 4



### Sponsorship Opportunities for Wines and Mines Field Trip

Please call Marcus Johnston at his cell number (707) 225-7367 if you would like to sponsor meals, drinks, or other items for the Spring Field Trip. Each donor will be acknowledged on the field trip and in the field trip guidebook.

Great Advertising opportunity!

#### Please complete and submit ASAP:

Fall 2008 Field Trip Sign Up			
Name			
Daytime Phone			
Fax			
Company			
Address			
Email			
Person to contact in case of emergency:			
Name Phone			
Lodging Single Double			
Roommate (or we will assign)			
MEMBER COST: double room \$275.00 single room (Limited Number) \$300.00			
*NON-MEMBER COST: double room \$325.00 single room \$350.00			
*Non-members are encouraged to become members of the GSN for \$35 annual dues in order to take advantage of the reduced rates.			
Amount included with this form \$			
Paid with Check #			
Visa MC Exp Date			
Credit Card #			
Signature			
(as it appears on card)			
Payment must be made by April 30, 2008			

#### Payment must be made by April 30, 2008 No refunds after April 30, 2008

Price includes transportation, overnight lodging on the nights of May 9<sup>th</sup> and 10<sup>th</sup>, a copy of the guidebook, drinks, snacks, lunches, and dinners.

Fax: 775/323-3599 or mail to GSN office: P.O. Box 13375, Reno, NV 89507, or email to: gsn@gsnv.org

Reservations are on a first-come, first-served basis; attendance is limited to 50 (including the bus driver).

#### FROM THE PRESIDENT continued from page 1

amount of scientific discussion and thought. Next month, Tom Nimsic will present a talk on a newly discovered gold district in Argentina.

I would like to thank all of those that volunteered at the GSN booth at PDAC. The Society benefits from your generousity and giving of your time. See you next month.

#### **GSN APRIL MEETING**

# LINDERO NEW 2 MILLION OUNCE POTENTIAL PORPHYRY GOLD IN ARGENTINA

Tom Nimsic, American Au Ag Associates

Lindero, discovered in 1999 by Mansfield Minerals, is a new mineral discovery, not a re-discovery or a step out on known mineralization. The Lindero deposit is only part of a bigger story; the discovery of what will likely become the Rio Grande Mining District, with at least 2 Mansfield owned and 1 joint venture porphyry systems in the Puna (altiplano) in NW. Argentina.

Mansfield Minerals established an office and started exploring with 2 Argentine geologist; Jorge Kesting and Facundo Huidobro, in August 1994. Other companies came and went but Mansfield persevered. The company provided its explorationist with a new tool for Argentina; Quads. This allowed the Mansfield explorers access to previously unexplored areas. In 1999 Mansfield Geologist Russell Dow observed quartz/magnetite stock works and minor copper staining in float. Subsequent sampling returned positive results for gold. A sampling and trenching program was followed by a JV in 2002 with Rio Tinto. Ten holes were drilled resulting in an inferred resource of 1.035 million oz Au, in 29.9 million MT @ 1.08 g Au/MT with a 0.6 g Au/MT cutoff grade. The property was then returned to Mansfield.

Mansfield has since drilled 106 new diamond drill holes, trenched and expanded Lindero's footprint threefold with a low strip ratio. A new resource model now being done is expected to result in a resource of potentially over 2,000,000 ounces of gold. Metallurgical testing conducted by Kappes Cassiday and Associates with the direction and oversight of American Au Ag Associates has resulted in expected gold recoveries of around 70%.

Lindero lies between 2 porphyry copper-gold systems in the Archibarca structural trend, Rio Grande (~8Km) and Arizaro (~4Km) in NW Argentina. Escondida lies 110 Km west on the Archibarca trend. The nearest major mines are Bajo de la Alumbrera in Argentina, Escondida and Refugio in Chile. Lindero's geology is similar to at least few other heap leach operating porphyry gold/copper mines including: Kinross' Maricunga-Refugio in Chile, and Eldorado's Kisladag in Turkey with low copper content relative to gold. Goldfield's Cerro Corona in Peru and others are similar but

# Thank you to our generous donors

GSN would like to thank the following members for the generous donations to the Foundation and Student Dinner Funds:

#### SILVER LEVEL DONORS \$100-\$499

Xiaodong Zhou

#### Student Dinner Fund

Jaroslav Ruza



GSN would like to thank Gold Summit for shipping the booth supplies to Canada for the PDAC. We would also like to thank David Shaddrick, Peter Maciulaitis, Dan Laux, and all of the volunteers that helped out in the booth at the PDAC.

#### GSN APRIL MEETING continued from page 4

with a higher copper content, precluding single stage heap leaching.

Lindero is a highly fractured, low sulfide (sulfur deficient-oxide) gold-copper porphyry system. The host rock is a "porphyritic diorite to quartz diorite". It is intruded into a "fine grained clastic angular siltstone" redbed sequence and into itself. "Alteration is potassic with extensive introduced orthoclase feldspar and lesser secondary biotite" with "a great deal of silication". "Free" gold occurs in stock work fractures "interstitially to quartz grains in vein quartz" and was observed in sizes ranging from 12 to 167 microns. Grain size of gold occasionally occurring in chalcopyrite is much smaller, ranging in size from "3 to 12 Microns" (Larson LT, Mansfield thin section reports 2004/2006)

Paragenetically: Titaniferous magnetite and quartz occur in a diorite matrix, followed by Potassic alteration, and minor chalcopyrite (in orthoclase), followed by; a multiphase quartz-magnetite-chalcopyrite- pyrite-opaques stockworks, with concurrent and/or subsequent propylitic alteration. Minor late stage opaque minerals include; hematite, bornite, sphalerite, galena, chalcocite, covellite, and gold. Gangue minerals include; feldspar, quartz, biotite, hornblende, actinolite, garnet, celadonite, sericite, chlorite and epidote. Late ubiquitous anhydrite stockworks with ~10 cm spacing or less and veins of up to 1 meter sometimes contain minor base mineral sulfides.

### The 15th Annual Ralph J. Roberts Distinguished Lecture In Economic Geology Presents Dr. James Saunders

"Bonanza Epithermal Au-Ag Ores Related to the Early (mid-Miocene) Yellowstone Hotspot, Northern Great Basin"

**Friday, April 25, 2008** 

Mackay Science, Building #036, Room 215 3:00 - 4:00 P.M. Reception following

RSVP to: shelley@mines.unr.edu

Members are encouraged to keep us informed about their own career related moves and awards, and deaths of GSN colleagues. Your information needs to be received by Kelly at gsn@mines.unr.edu by the 21st of each month.

#### ACTIVITY UPDATE

Mike Brady, January 2008 www.activityupdate.com

#### **NEVADA**

Allied Nevada Gold Corp. announced that recent drill results at the Hycroft/Brimstone Project include 435-985 feet @ 0.018 opt Au (H07D-3079); 205-725 feet @ 0.019 opt Au (H07D-3102); 0-190 feet @ 0.017 opt Au (H07D-3111) and 485-640 feet @ 0.018 opt Au (H07D-3117). (resource = 61,567,000 tons @ 0.018 opt Au inferred)

Press Release: February 4

Barrick Gold Corp. announced that it acquired an option to earn a 60% interest in the Utah Clipper and Crestview properties from Columbus Gold Corp. for \$6,000,000 in exploration expenditures over 6 years.

N.M.: January 21

Gryphon Gold Corp. and American Bonanza Gold Corp. announced that they would merge on a 0.5 share Gryphon/1.0 share American Bonanza basis. (resource @ Borealis = 16,360,000 tons @ 0.031 opt Au measured)

Press Release: February 12

AuEx Ventures Inc. announced that recent drill results at the Long Canyon Project include 118.5-123.5 feet @ 0.021 opt Au (LC065C); 102-209 feet @ 0.092 opt Au (LC066C) and 204-294 feet @ 0.120 opt Au (LC067C).

Press Release: February 15

Bonaventure Enterprises Inc.(60%) announced that it recently completed 3 drill holes (aggregating 4,130 feet) at the Squaw Creek Project with the best intersection being 5 feet @ 0.020 opt Au in hole 0701. *Press Release:* February 15

Galway Resources Ltd. announced that recent drill results at the Indian Springs Project include 13-101 feet @ 0.280% WO3 (ISC07-133); 36.5-69 feet @ 0.180% WO3 (ISC07-130) and 278-346 feet @ 0.170% WO3 (ISC07-130). (resource = 11,880,000 tons @ 0.171% WO3 indicated and 9,020,000 tons @ 0.170% WO3 inferred) *Press Release:* February 7

Gold Canyon Resources Inc. announced that based on recent drill results at the Cordero Project, resources aggregate 16,468,000 tons @ 47.7 ppm Ga measured+indicated and 7,250,000 tons @ 43.7 ppm Ga inferred. (no previous estimate)

\*\*Press Release: February 11\*\*

Global Minerals Ltd. announced that it recently completed 7 drill holes at the Quarter Horse Ranch Project and that none intersected +0.5 ppm Au mineralization.

Press Release: January 31

Fury Explorations Ltd. announced that it completed the purchase of the Taylor mine and 1,300-tpd mill for \$2,500,000 cash. (resource = 6,430,000 tons @ 2.31 opt Ag measured+indicated)

Press Release: February 7

International Bethlehem Mining Corp. announced that it acquired an option to earn a 50% interest in the Monte Cristo Property from Gold Summit Corp. for 600,000 shares and

\$3,000,000 in exploration expenditures over 4 years. (resource = 364,100 tons @ 0.190 opt Au inferred)

Press Release: January 30

Centerra (US) Inc. announced that it terminated its interest in the Red Rock Project of Luna Gold Corp.

Press Release: January 25

Rye Patch Gold Corp. announced that it acquired an option to earn a 60% interest in the Keystone South Property from Barrick Gold Corp. for \$1,000,000 in exploration expenditures over 4 years. *Press Release:* February 6

Goldcorp Inc.(66.7%) announced that reserves at the Marigold Mine aggregate 93,079,000 tons @ 0.020 opt Au proven+probable. (was 103,909,000 tons @ 0.021 opt Au proven+probable)

\*\*Press Release: February 19\*\*

Newcrest Resources Inc. announced that it terminated its interest in the Redlich Project of Miranda Gold Corp.

Press Release: February 20

Yamana Gold Inc.(51%) announced that recent drill results at the Clover Project include 810-815 feet @ 0.004 opt Au, 1.58 opt Ag (CV01); 550-560 feet @ 0.031 opt Au, 0.08 opt Ag (CV04); 440-470 feet @ 0.031 opt Au, 0.05 opt Ag (CV05); 590-660 feet @ 0.190 opt Au, 0.31 opt Ag (CV06) and 415-575 feet @ 0.012 opt Au, 1.43 opt Ag (CV07).

Press Release: February 20

Barrick Gold Corp. announced that it would purchase an additional 40% interest (to then hold 100%) in the Cortez JV from Rio Tinto plc. for \$1,700,000,000. (reserve = 184,018,000 tons @ 0.061 opt Au proven+probable) *W.S.J.:* February 22

Newmont Mining Corp. announced that it acquired an option to earn a 51% interest in the Sandman Project from Fronteer Development Group Ltd. for \$14,000,000 in exploration expenditures over 3 years. (resource = 8,030,000 tons @ 0.034 opt Au measured+indicated)

\*\*N.M.:\* February 18

Newmont Mining Corp. announced that it terminated its interest in the Northumberland Project of Fronteer Development Group Ltd. (resource = 12,988,000 tons @ 0.053 opt Au measured and 17,912,000 tons @ 0.076 opt Au indicated)

\*\*N.M.: February 18

PacMag Metals Ltd. announced that recent drill results at the Ann Mason Project include 306.8-365.8 meters @ 0.54% Cu (A07-06) and 728.5-975.4 meters @ 0.34% Cu (A07-06).

Press Release: February 25





### NEW PUBLICATION AT THE NEVADA BUREAU OF MINES AND GEOLOGY:

**OF07-6** - NBMG Mining District File Collection with Index and Search Engine, compiled by Ronald H. Hess, Martha Henson, David A. Davis, Richard O. Meeuwig, Kristen A. Scott, and Karen Boldi, 2008, \$215.00 for portable hard drive:

This report, contained on a portable hard drive, includes approximately 20,000 scanned documents from the NBMG Mining District File collection in PDF file format. The disk also includes an index to the collection with a JavaScript search engine that allows the user to search the collection by district, commodity, author, property, claim, or mine name. This application requires Internet Explorer, FireFox, or other browser with JavaScript enabled. To view the scanned images you must have Adobe Reader or other software that will open a PDF file. The disk is USB2/FireWire compatible and includes cables.

The NBMG Mining District Files consist largely of historical and current maps, reports, articles, photographs, correspondence, assays, production reports, and reserve information on all aspects of mining in Nevada. Most have been donated to NBMG over the years from individuals, companies, and other government agencies. Over the last several years NBMG has undertaken digital conversion of these paper documents to scanned images.

Several other statewide maps and reports that provide additional background information on Nevada's mineral resources are contained on the disk and include mining district maps, abandoned mine data in GIS format, and several State base maps.

These files are also accessible on the Web at: http://www.nbmg.unr.edu/mdfiles/mdfiles.htm
The digital file conversion project at NBMG is ongoing. If you have questions about this project contact Ron Hess at 775-784-6692 or via email at rhess@unr.edu.

You may place an order or check for shipping charges through our shopping cart at: http://www.nbmg.unr.edu/sales.htm or by calling (775) 682-8766.

#### **UPCOMING EVENTS**

NPS Schedule

April 20-23, AAPG Annual Convention, San Antonio, TX – HYPERLINK http://www.aapg.org/sanantonio, www.aapg.org/sanantonio.

May 1, NPS Monthly Dinner Meeting – Austin's Restaurant, Reno, NV. Speaker: Peter Druschke, UNLV. Title: "Sheep Pass Fm. in Nevada".

#### **GSN MEMBERSHIP POLICY**

The GSN executive committee refined the membership policy at the last monthly meeting. The executive committee voted to have each membership year run from January 1 through December 31. Early membership renewal will begin September 1. All members who register between September 1 and December 31 will be included in the following year's directory, which will be published in January. Membership registrants after January 1, and prior to September 1, will receive a directory but will need to renew their membership between September 1 and December 31 in order to receive the latest directory. The next directory will be the 2009 directory.

#### **APRIL BALLOT**

During the first week in April a ballot will be sent to all GSN members that outlines the slate of officers approved by the Board. Those members, who receive their GSN Newsletter by email, will receive their ballot by email and those GSN members, who receive their Newsletter in the mail, will receive their ballot in the mail. The ballot must be returned to the GSN office within ten working days of the date it was distributed. Results of the election will be published in the May GSN Newsletter.

# GSN MEMBERS' NEWS AND ANNOUNCEMENTS

Scott Baxter and Doug McGibbon are happy to announce that they have submitted materials in application for an Initial Public Offering of shares in their new company, Sniper Resources Limited, on the Toronto Stock Exchange Ventures board. Information can be found on the SEDAR website (www.sedar.com) under Sniper Resources Ltd., and at www.sniperresources.com.

Scott's last public company was Tone Resources, which are bought by Robert McEwen in 2006 to become part of US Gold Corporation. Previously he ran International Cal Neva Gold and Tenacity Resources.

Doug has nearly 30 years in Nevada gold exploration and mining, having worked with Cordex, Pinson Mining Company, Daisy Gold, and Dee Gold and most recently, at the Marigold Mine where he was responsible for ongoing major reserves increases over a 19 year period.

Sniper controls four Nevada properties, one of which (Overland Pass) was drilled with privately raised funds in 2006-2007 and will see further drilling. Another, the Guild property, has a drill program permitted and bonded, with drilling planned to begin as soon as the quiet period" required by the submission of materials for the Exchange has been completed. Permitting is in progress for the other properties as well.

### **2008 SAFETY REFRESHERS**

Email: mines@dbi.state.nv.us Web: http://dirweb.state.nv.us/MSTS/msts/htm

#### **8 HR UNDERGROUND ANNUAL REFRESHER**

February 6, 2008	TONOPAH	TONOPAH STATION-BINGO ROOM
October 28, 2008	CARSON CITY	STATE TRAINING ROOM - 2527 N. Carson

#### **8 HR ANNUAL REFRESHER SURFACE TRAINING**

April 9, 2008	ELKO	STOCKMEN'S HOTEL
April 16, 2008	WINNEMUCCA	MSATS OFFICE-LIMITED TO 20 PEOPLE
May 13, 2008	CARSON CITY	STATE TRAINING ROOM - 2527 N. Carson
June 4, 2008	WINNEMUCCA	MSATS OFFICE-LIMITED TO 20 PEOPLE
June 11, 2008	HENDERSON	DIVISION COMPLEX-CONFERENCE ROOM B
July 22, 2008	CARSON CITY	STATE TRAINING ROOM - 2527 N. Carson
August 5, 2008	HENDERSON	DIVISION COMPLEX-TRAINING ROOM
August 13, 2008	ELKO	STOCKMEN'S HOTEL
Sept. 10, 2008	ELY	HOTEL NEVADA
September 16, 2008	CARSON CITY	STATE TRAINING ROOM - 2527 N. Carson
October 1, 2008	ELKO	STOCKMEN'S HOTEL
October 14, 2008	HENDERSON	DIVISION COMPLEX-CONFERENCE ROOM B
October 15, 2008	WINNEMUCCA	MSATS OFFICE-LIMITED TO 20 PEOPLE
November 4, 2008	CARSON CITY	STATE TRAINING ROOM - 2527 N. Carson
November 5, 2008	SILVER PEAK	COMMUNITY CENTER
December 3, 2008	ELKO	STOCKMEN'S HOTEL
December 10, 2008	SILVER PEAK	COMMUNITY CENTER

#### **MSATS TRAINING LOCATIONS**

**Carson City** 

Nevada State Training Room 2527 N. Carson Street

Winnemucca

MSATS Office 475 W. Haskell Street Elko

Stockmen's Hotel 340 Commercial Street

Henderson

Henderson Complex 1301 N. Green Vlly. Prkwy.





### COMMERCIAL REAL ESTATE EXPLORATION SERVICES

We can do the prospecting for you when the time comes to locate your new facility or office. Our locating service is free of charge and includes our expertise and in-depth knowledge of the local market. Call us today and tell us what you're looking for.

775.851.9500 | 775.851.9551 (FAX)
9533 GATEWAY DRIVE, SUITE B, RENO, NV 89521
WWW.TRINITYCOMMERCIAL.COM

### ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



#### **Mineral Division - ALS Chemex**

We are a global analytical testing company serving the mining and mineral exploration industry in Nevada and around the world.

#### We specialise in:

- Assaying and geochemical analysis for mining and mineral exploration projects
- Environmental monitoring of mining operations
- · Acid mine drainage studies

Contact our laboratories in Nevada to find out how we can help you with all of your project's analytical needs.

RENO, NV

Phone: 775 356 5395

ELKO, NV

Phone: 775 738 2054

WINNEMUCCA, NV

Phone: 775 625 4192

www.alschemex.com

Right solutions....
....Right partner

### Jo Beth Allen Professional Graphics

CAD Drafting/Digitizing/Scanning Lligh Resolution Presentation Graphics Plotting/Printing Geologist

1055 Joshua Drive Reno, Nevada 89509 Phone: 775-324-7960 Fax: 775-324-7583

jobeth@yellowsub.net



#### **GRANBER**

#### SOLUTIONS

#### **Paul R Morrison**

paul@granber.com

Geoscience Computing GIS & Cartography Software Development Database Consulting Digitizing Services 4406 Rio Vista Dr Billings, MT 59106

Phone: (406) 655.1753 Toll Free: (866) 761.7090

www.granber.com

### MINERAL EXPLORATION SERVICES

SOIL SAMPLING
CLAIMSTAKING
PROPERTY EVALUATION
MINE HAZARD FENCING

5655 Riggins Ct., #15, Reno, NV 89502 Tel: (775) 954-1082 Fax: (775) 829-6882 email: day@mineralexploration.com



Reno, Nevada Office: Ph (775) 826-8822 Fax: (775) 826-8857 Elko, Nevada Office: Ph (775) 753 9496 Fax: (775) 753 9499

Notices, Plans of Operations, Cost Estimates, TRI, Biological Surveys, Air Quality Permits & Audits

Info@enviroincus.com

www.enviroincus.com

### Big Sky Geophysics

Clark Jorgensen, M.Sc. Geophysicist

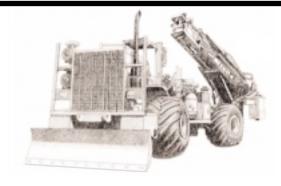
P.O. Box 353 Bozeman, MT 59771 USA Field Work Processing Interpretations

Phone: (406) 587-6330 Fax: (406) 587-6394 Mobile: (406) 580-9718

clark@bigskygeo.com

For more details, my background, and case studies, visit my webpage at www.bigskygeo.com





Providing Drilling Services To The Mining/Metals Industry Since 1980

3650 Grant Creek Road Missoula, Montana 59808 Phone: (406) 542-1010 Fax: (406) 542-5065 www.diversifieddrilling.com



# Carlin Trend Mining Supplies & Service

www.carlintrend.com

369 5th St., Elko, NV 89801 (775) 778-0668, Fax: (775) 778-0687, carlintrend@frontiernet.net

Geological Consulting - Claim Staking - Soil Sampling Geology & Drafting Supplies - AutoCad & GIS Temporary Employees In All Fields



### What the M2 Crew can do for you:

Claim Staking Soil Surveys 3D Laser Scanning
Core Logging Trimble GPS Surveys Technical Writing
Outcrop Sampling Sample Preparation Geologic Mapping
Surpac Modeling ArcGIS Mapping Database Development
RC Chip Logging Data Evaluation Drill Program Mgmt.

Core Drilling

#### MAIN OFFICE LOCATED AT:

4207 E. Rowan Ave. Spokane, WA 99217

Ken Mears President 801.971.4065

Email: kmears@m2tsi.com

Ph: 509.483.3035 Fax: 509.483.3040

John Mears, P. Geo. Principal 509.714.2044

Email: jmears@m2tsi.com

www.m2tsi.com



HOWARD J. ADAMS President

#### HARD ROCK WHEELS, INC.

4WD Pickup Rentals

14756 Pine Knolls Ln Reno, Nevada 89521 (775) 852-2622 Fax (775) 852-2075 MIKE TOLBERT 2700 S. Cushman St. Fairbanks, AK 99701 (907) 452-6631

#### PAID ADVERTISEMENTS

#### North American Exploration Inc.

We can complete any of your exploration needs. With over 40 years of experience we will work on any job from large to small.

Call us for your next claim staking or soil sampling job, we will not disappoint you.

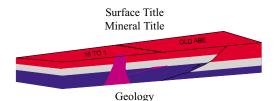
801-544-3421

North American Exploration, Inc. 447 North 300 West Suite 3 Kaysville, Utah 84037 Fax: 801-544-4554

Email: nae@nae-xploration.com

#### **G.I.S. Land Services**

**Greg Ekins** M.S. R.P.L. #32306 President Mineral Landman - Commissioned Abstractor "From Courthouse Records to Final Map"



A professional firm of
Landmen, Geologists, Draftsmen and Technicians
Providing Abstracts of Title, Land Status and
Exploration Geology Services
Utilizing AutoCad - ArcMap - MapInfo - PowerPoint
www.gislandservices.com

5365 Mae Anne Dr., Suite B 14A Reno, NV 89523 Ph: 775-746-8803 Fax: 775-746-8802 email: greg@gislandservices.com

### Join the Geological Society of Nevada



- Our mission is to promote the advancement of the geologic sciences, especially as they relate to Nevada.
- The GSN provides a monthly newsletter, membership directory, and numerous publications about ore deposits in the Great Basin as well as the North and South American Cordillera.
- The GSN has monthly meetings and two field trips annually.
- Every five years the GSN sponsors a highly respected GSN Symposium. The next one will be held in Reno, Nevada in 2010.

For an application form, visit our website at www.gsnv.org or contact the GSN office at 775/323-3500 or gsn@mines.unr.edu

#### **GEOLOGICAL SOCIETY OF NEVADA**



gsn@gsnv.org • www.gsnv.org
Telephone (775) 323-3500 FAX (775) 323-3599
Post Office Box 13375
Reno NV 89507
USA

NON PROFIT ORGANIZATION U.S. POSTAGE PAID RENO, NV PERMIT NO. 931

## **MapInfo / Discover Training**

### **For Geologists**

### Reno

**Mar 17-18**Introduction to Map-Info / Discover for Geologists

Mar 19-20Intermediate MapInfo / Discover for Geologists

Mar 21 Discover 3D

### <u>Tucson</u>

**Apr 28-29**Introduction to MapInfo / Discover for Geologists

**Apr 30-May 1**Intermediate Map-Info / Discover for Geologists

May 2 Discover 3D

800 663-1334 • 520 744-4457

www.tetrad.com • info@geografxworld.com

Sponsored by: Tetrad Computer Applications Inc. & GeoGRAFX GIS Services