

# GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Geological Society of Nevada, 2175 Raggio Parkway, Room 107, Reno, NV 89512  
(775) 323-3500 - Hours Monday -- Friday 8-3  
Website: [www.gsnv.org](http://www.gsnv.org) • E-mail: [gsn@gsnv.org](mailto:gsn@gsnv.org)



May 2010, Vol. 25, No. 5

Published monthly except June and July

## PRESIDENT

**Mike Ressel**  
Kinross Gold USA, Inc  
[mikeressel@sbcglobal.net](mailto:mikeressel@sbcglobal.net)

## VICE PRESIDENT

**Peter Vikre**  
US Geological Survey  
[pvikre@usgs.gov](mailto:pvikre@usgs.gov)

## SECRETARY

**Steve Carroll**  
Schlumberger Water Services  
[scarroll2@slb.com](mailto:scarroll2@slb.com)

## TREASURER

**Bob Kastelic**  
Consulting Geologist  
[bob\\_kastelic@yahoo.com](mailto:bob_kastelic@yahoo.com)

## MEMBERSHIP CHAIR

**Dave Emmons**  
Kinross Gold USA, Inc  
[demmons@sbcglobal.net](mailto:demmons@sbcglobal.net)

## PUBLICATION CHAIR

**Marilyn Miller**  
AuEx Ventures, Inc.  
[marilyn.miller1@sbcglobal.net](mailto:marilyn.miller1@sbcglobal.net)

## OFFICE MANAGER

**Kathy Sestanovich**  
[gsn@gsnv.org](mailto:gsn@gsnv.org)

## CALENDAR OF GSN EVENTS

- May 12 Wednesday** **WINNEMUCCA CHAPTER** *(Every 2nd Wednesday of the month)*  
The monthly meeting will be held at the Martin Hotel, 94 West Railroad Street. Drinks and appetizers at 6:30 PM, speaker at 7:00 PM. Drinks and appetizers sponsor for the evening will be Barrick Turquoise Ridge, represented by Lora Chiehowsky, Senior Geologist. Speaker for the evening will be Winthrop A. Rowe, Project Manager, Snowstorm LLC. His talk will be titled "**Discussion of Snowstorm Exploration Project, Northern Elko and Humboldt Counties, Nevada**" (see abstract on page 8). For more information contact Matt Hoffer at (775) 635-4756.
- May 14-22 Fri-Sat** **GSN 2010 Symposium**  
The Geological Society of Nevada invites you to attend our Sixth Symposium **Great Basin Evolution and Metallogeny**. 3 days of Technical Sessions, 8 Field Trips, 10 Short Courses, Poster Presentations/ Core Shack, Exhibit Hall  
Get details at the website: [www.gsnv.org/symposium](http://www.gsnv.org/symposium)  
Contact: Cheri Reimann  
2175 Raggio Parkway, Room 205  
Reno, NV 89512  
(775) 846-9766  
[secretary@gsnv.org](mailto:secretary@gsnv.org)
- June 25 Friday** **GSN Unplugged**. Barbeque and beverages provided for GSN Members organized and delivered by the GSN Board of Directors. Peavine Pavilion at Rancho San Rafael Park from 5:00 p.m. to 9:00 p.m. See page 7 for details.
- June 26 Saturday** **Golf Tournament Hosted by Inspectorate America Corp.**  
Lakeridge Golf Course - Tee Times w/Cart: 10:16 am – 1:28 pm  
All golfers please be at the course by 1:00 pm to ensure a timely start.  
See page 7 for details.

## FROM THE PRESIDENT

Mike Ressel, *GSN President 2009-2010*

### Mud, sweat, and tears

Recent events have brought geology to the forefront of world news with several major earthquakes occurring in short succession in Haiti, Chile, China, Indonesia, and Baja California as well as the eruption of a basaltic shield volcano in Iceland. These global events raise awareness of geohazards that Nevada faces as a seasoned member of the Ring of Fire. While volcanic hazards are remote, Nevadans might expect downwind impacts like those recently experienced by much of Europe from major eruptions of Mounts Lassen or Shasta in the Cascades, or renewed silicic caldera-related volcanism at Long Valley in the Sierra Nevada. Shasta, the largest Cascade stratovolcano by volume at 85 mi<sup>3</sup>, last erupted about 200 years ago based on <sup>14</sup>C dating of scorched and buried trees. Smaller dacite dome sister, Lassen, erupted numerous times from 1914 to 1917, the largest eruption in 1915 causing ash to fall more than 200 miles downwind including in Reno. Long Valley, a 10 mile x 19 mile caldera 140 miles south of Reno, who's Big Day was c. 760 Ka, likely won't see a comparable caldera collapse anytime soon at least in human terms. However, its 1980 wake-up call and the proximity of rejuvenated magmatism to the world class ski resort at Mammoth was enough to spur the USGS to issue warnings and closures at the time and to continuously monitor the caldera over the past three decades. Particular focus has been on the caldera's much younger domes that lie within and border the caldera, which collectively have a recurrence of some 250 years. Reno's very own Steamboat Springs is a geothermal, and yes, active gold-bearing epithermal system similar to the one in Long Valley, that likewise owes its heat budget to cooling silicic magma at depth. Several domes surrounding Steamboat are 1.1 to 1.5 Ma.

*(Continued on page 2)*

## May 14-22, 2010 GSN Symposium, Great Basin Evolution & Metallogeny

(Continued from page 1)

And then there are earthquakes. There is no denying that Nevada is a geologically active place. Its abrupt topography alone speaks well to that end. Nevada likes to hang out at the extreme ends of various lists, and with regard to earthquakes, Nevada is no different, being tied for third place among states with the highest frequency of  $\geq M5$  earthquakes. Western Nevada's hybrid

geodynamic regime, which results from both vigorous crustal extension and dextral shear associated with the Pacific-North America plate margin, yields faulting that is normal-slip, strike-slip, and everything in between. Big quakes are known to occur here, and the swarm of low- and moderate-magnitude earthquakes that occurred in northwest Reno in 2008 along an unrecognized fault or possibly a newly propagating fault attests to the region's youthfulness as does the M6 Wells quake of 2009.

Indeed, Nevada is a risky place in more ways than one, and it seems fitting that two, well maybe three, of its notable industries revolve around high risk and high reward. As Dan Wood points out so poignantly in a recent SEG Newsletter, what leads to the latter in the case of mineral exploration is something more than Lady Luck. Rather, it's some combination of confidence, experience, senses, and good timing, which he sushi rolls into something called serendipity.

It's hard for me to believe that it's been a year since taking the reigns at GSN. Time has wings, and the past twelve months have been both an honor and a truly rewarding experience, one that will warm even more with passing days. I view myself as a product of sorts of GSN, having been a student member starting in the early 1990s while a grad student at Mackay, then migrating with work to outpost chapters in Winnemucca and Elko for several years, before landing back in Reno in 2007. Like people or companies, each of GSN's chapters has its own personality and charm, and quickly, I learned that there's more than one right way to skin a cat. GSN does it well on multiple fronts. The scientist inside me squirms as I write this, but best solutions aren't always the measurable or tangible ones, but rather the hard to decipher little things that make all the difference in the world, the serendipity according to Dan Wood.

Just as my GSN career has come full circle in terms of geography in the past 18 years, we've come full circle from the mud season through dust season and back again to mud in the past year. I can't help but see the parallels between the seasons and the roller coaster that is the minerals industry this past year. Through thick and thin, GSN has maintained a steady course. We remain an active and fiscally healthy professional society with approximately 1,000 members and including about 60 students. Thanks to NBMG and Jon Price, we now have elbow room in our new office and warehouse at DRI. Thanks also to the dozens of volunteer members who continue to fill the needs of a busy society through its Foundation, special events and meetings, symposium planning, and field trips. Warm thanks go to Eric and Laura Ruud, who epitomize what makes GSN a success. This year, two well-deserved members attained GSN Honorary status. They are Larry Garside and Ted Theodore, both of whom contributed much blood, sweat, and geologic maps to aid our understanding of Nevada geology. GSN also honored Lance Taylor and Geotemps for exceptional support over many years and especially to student members. The upcoming Symposium is nearly here, and the hope is for it to be as memorable and fulfilling as past symposia. Thanks to Nancy Wolverson and the entire symposium committee for keeping the wheels turning. Much beer will be consumed come May 20th!

Last, I thank Kathy Sestanovich for being the glue that keeps GSN operationally tight and for being the most appropriate "Face of GSN." I also thank those on the Executive Committee for whom I've worked closely with this year and who truly are a pleasure to work with: Steve Carroll, Dave Emmons, Bob Kastelic, Marilyn Miller, Laura Ruud, Kathy Sestanovich, and Peter Vikre. Most of them will continue on at some capacity in GSN next year. Marilyn leaves following four outstanding years as Publications Chair. I welcome Mary Stollenwerk and Bill Howald, who will serve as Publications Chair and Vice President, respectively, on next year's Executive Committee. The Board of Directors serves an advisory role in GSN and oversees our long-term commitments and direction. Dieter Krewedl has expertly served as chair of the BOD for several years, and will be succeeded by Dave Shaddrick.

With that, I wish you all a productive and fulfilling field season full of discovery, which after all, is what we're all about.

Serendipitously yours,

Mike



---

The Geological Society of Nevada distinguishes Lance Taylor and Geotemps for their generous and continuous support of both student members and the Society over many, many years. A Gold Pan Award was presented to Lance at the Reno GSN's year-end meeting in April. Many thanks for the support, which has undoubtedly had a positive impact on so many.

**Thanks to Geotemps, Inc. for hosting  
The Reno GSN April Meeting**

**GSN Newsletter  
Monthly Advertising Rates**

Business Card Size (3 <sup>1</sup> / <sub>2</sub> x 2")	\$50.00
Quarter page (3 <sup>1</sup> / <sub>2</sub> x 4 <sup>3</sup> / <sub>4</sub> "	150.00
Half Page (4 <sup>3</sup> / <sub>4</sub> x 7 <sup>1</sup> / <sub>2</sub> "	300.00
Classified ads (per line) (up to business card size)	10.00

For an advertising form, call the GSN office at 775-323-3500, fax 323-3599, email [gsn@gsnv.org](mailto:gsn@gsnv.org), or download the form from the GSN website:

<http://www.gsnv.org/membership.html>

Digital or text ads must be received by the 20<sup>th</sup> of the month to appear in the following month's newsletter.

There will be a 10% discount on all orders for 10-months or more.

**GSN MEMBERSHIP**

When was the last time that you thought about the value of your GSN Membership? The most valuable part of GSN is the intangible part. Meeting up with colleagues, potential employees, potential employers, making new friends, attending the presentations, and finding out what is going on in our fast paced industry doesn't have a direct dollar value. The free drinks aren't really free as they are paid for by our generous sponsors. Even the dinners don't pay for themselves. Over \$32,000 a year is paid to produce the newsletter, membership directory, dinner deficit, the convenience of taking credit cards, filing tax returns, liability insurance, having a phone, and running the office. The cost of administrative services and promoting GSN are above and beyond this amount. In addition, the dedication of GSN volunteers makes the organization run. Take a few minutes to think about the role that GSN plays in your career and take time to thank all of the volunteers and sponsors that provide the venue for your GSN experience.

**GSN Member Update**

Paul Hohbach is working as the Exploration Manager of the 11,000 hectare Ocampo Project for Gammon Gold of Canada.

The Ocampo Project in northern Chihuahua State, Mexico has produced gold and silver for over 240 years.

Gammon Gold Inc. of Halifax, Nova Scotia is a mid-tier level gold and silver producer in Mexico and explorer in North America for precious metals.

Additional information is available at [www.gammongold.com](http://www.gammongold.com).

**GSN 2010/2011 ELECTION RESULTS**

(Terms begins June 1, 2010 – May 31, 2011)

The entire GSN membership had the opportunity to vote during April on next year's Executive Committee and Class B (three year term) of the Board of Directors. One hundred seventy-five (175) members voted almost unanimously in favor of approving the entire ballot. Thanks to all of you who voted and congratulations to the new GSN officers and directors, who are presented below:

**Officers 2010-2011  
GSN Executive Committee**

President <b>Peter Vikre</b>	Treasurer <b>Bob Kastelic</b>
Vice President <b>Bill Howald</b>	Membership Chair <b>Dave Emmons</b>
Secretary <b>Steve Carroll</b>	Publications Chair <b>Mary Stollenwerk</b>

**Board of Directors (Class B)**

(2010 – 2013)

**Marcus Johnston  
David Caldwell**

**Elko Chapter Officers**

(2010 – 2011)

President <b>Joe Becker</b>	Treasurer <b>Erin Newman</b>
Vice President <b>Jared Townsend</b>	Membership Chair <b>Kirk Laird</b>
Secretary <b>Becky Schow</b>	

**Winnemucca Chapter Officers**

(2010 – 2011)

President <b>Rebecca Morris</b>	Secretary <b>Erin Gray</b>
Vice President <b>Seth Ames</b>	Treasurer <b>Randy Vance</b>

**Southern Nevada Chapter Officers**

(2010 – 2011)

President <b>Josh Bonde</b>	Secretary <b>Vicki Meyers</b>
Vice President <b>Charlie Pedro</b>	Treasurer <b>Chris Riecken</b>

# THE GSN 2010 SYMPOSIUM WOULD LIKE TO THANK

## OUR MANY GENEROUS SPONSORS

**\*\*See the following page for Symposium Registration and Attendance Information\*\***

---

### PLATINUM



### GOLD



### SILVER



### BRONZE



### FRIENDS



### SUPPORTERS

**Bravada Gold Corp.—Connors Drilling—Fortune River Resource Corp.—Karl Frost—Golder Associates, Inc.—Gold Summit Corp.—Innov-X Systems—Dieter Krewedl—Leslie Olmstead—Debra Struhsacker—Nancy Wolferson—Elizabeth Zbinden**

---

## **REGISTRATION FORM**

### **GEOLOGICAL SOCIETY OF NEVADA 2010 SYMPOSIUM – Great Basin Evolution & Metallogeny John Ascuaga's Nugget Hotel, Sparks, Nevada May 14<sup>th</sup> - 22<sup>nd</sup>, 2010**

Exhibits and Technical Sessions **May 17<sup>th</sup> -19<sup>th</sup>**; Pre- and Post-Meeting Field Trips, Short Courses

**CONTACT US:** GSN 2010, 2175 Raggio Parkway, Room 205, Reno, NV 89512 (775) 846-9766 Fax (775) 323-3599

**SYMPOSIUM REGISTRATION REGULAR REGISTRATON ENDED APRIL 30<sup>TH</sup>. YOU CAN REGISTER ONLINE OR FAX THIS FORM TO (775) 323-3599 THROUGH MAY 12<sup>TH</sup>. AFTER MAY 12 REGISTRATION WILL BE AVAILABLE ON-SITE.**

(Registrants for Field Trips and Short Courses must register for Early, Regular, On-Site/Late or Student).

<b>Early</b> (GSN must receive the registration form <b>by February 28<sup>th</sup>, 2010</b> )		\$275	not available	
<b>Regular</b> (between <b>March 1<sup>st</sup> and April 30<sup>th</sup>, 2010</b> )		\$325	\$	
<b>On-Site and Late</b> (after <b>April 30<sup>th</sup>, 2010</b> )		\$375	\$	
<b>Student</b> (must be able to show proof of student status)		\$150	\$	
<b>Exhibits-Only</b> (may not attend technical sessions, allows access to Exhibit Hall for all activities)		\$50	\$	
<b>Keynote Luncheon – William R. Dickinson</b> (limit 650)	May 17 <sup>th</sup>	\$45	\$	
<b>Keynote Luncheon – Jonathan G. Price</b> (limit 650)	May 18 <sup>th</sup>	\$45	\$	
<b>Pre-Meeting Field Trips &amp; Short Courses</b> (Field Trips limited to 40, Short Course limits as indicated)				
FT-1	<b>Intro to Carlin Gold Deposits – for Geologists</b>	May 14 <sup>th</sup> -16 <sup>th</sup>	\$325 <b>SOLD OUT</b>	\$
FT-2	<b>Epithermal Deposits of Northern Nevada</b>	May 14 <sup>th</sup> -16 <sup>th</sup>	\$400 <b>SOLD OUT</b>	\$
SC-1	<b>SEG Workshop – Gold in 2010</b> (min. 35, limit 100)	May 15 <sup>th</sup> -16 <sup>th</sup>	\$395 Member	\$
	<i>Symposium Registration is encouraged, but not required.</i>		\$495 Non Member	\$
			\$95 Student Members	\$
			\$120 Student	\$
SC-2	<b>Fundamentals of 43-101</b> (min. 25, limit 125)	May 15 <sup>th</sup> – 16 <sup>th</sup>	\$200	\$
SC-3	<b>Isotopes and Exploration</b> (min. 8, limit 18)	May 15 <sup>th</sup> –16 <sup>th</sup>	\$450 <b>CANCELED</b>	\$
SC-4	<b>Structural Systematics</b> (min. 20, limit 50)	May 15 <sup>th</sup> – 16 <sup>th</sup>	\$200/\$100 Student	\$
SC-5	<b>Leapfrog Software</b> (min. 8, limit 21)	May 15 <sup>th</sup> – 16 <sup>th</sup>	\$400	\$
<b>Post-Meeting Field Trips &amp; Short Courses</b> (all Field Trips limited to 40, Short Courses limits as indicated)				
FT-3	<b>Industrial Mineral Deposits of Northern NV</b>	May 20 <sup>th</sup> -22 <sup>nd</sup>	\$375 <b>CANCELED</b>	\$
FT-4	<b>Intro to Carlin Gold Deposits – for Non-Geologists</b>	May 20 <sup>th</sup> -22 <sup>nd</sup>	\$325	\$
FT-5	<b>Advances in Carlin Deposits of Northern Nevada</b>	May 20 <sup>th</sup> -22 <sup>nd</sup>	\$400	\$
FT-6	<b>Epithermal Deposits of Central Nevada</b>	May 20 <sup>th</sup> -22 <sup>nd</sup>	\$325 <b>SOLD OUT</b>	\$
FT-7	<b>IOCG and Porphyry-Related Deposits of Western Nevada</b>	May 20 <sup>th</sup> -21 <sup>st</sup>	\$250 <b>SOLD OUT</b>	\$
FT-8	<b>Modern and Ancient Geothermal Systems</b>	May 20 <sup>th</sup> -21 <sup>st</sup>	\$100	\$
SC-6	<b>Remote Sensing and Spectral Geology</b> (min. 10, limit 35)	May 20 <sup>th</sup> -21 <sup>st</sup>	\$275/\$100 Student	\$
SC-7	<b>Arc View for Geoscientists</b> (min. 8, limit 15) <b>Held at UNR</b>	May 20 <sup>th</sup> -21 <sup>st</sup>	\$670 <b>SOLD OUT</b>	Call for Wait List
SC-8	<b>Molybdenum in the New Millennium</b> (min. 10, limit 35)	May 20 <sup>th</sup>	\$300 <b>CANCELED</b>	\$
SC-9	<b>Formation of Gold Provinces</b> (min. 8, limit 50)	May 21 <sup>st</sup>	\$300	\$
SC-10	<b>Rockfall Hazards &amp; Mitigation Techniques</b> (min 10, limit 25)	May 20 <sup>th</sup>	\$250 <b>CANCELED</b>	\$
			<b>Total</b>	\$

**Pre-publication order of the Symposium Volumes:** *The pre-Publication price will be available on site at the Symposium.*

**REGULAR REGISTRATION IS OVER. YOU CAN REGISTER ONLINE UNTIL MAY 12 or FAX THIS FORM TO (775) 323-3599**

GSN 2010, 2175 Raggio Parkway, Room 205, Reno, NV 89512, USA. For information, see [www.gsnv.org/symposium](http://www.gsnv.org/symposium), call 775-846-9766, or e-mail [secretary@gsnv.org](mailto:secretary@gsnv.org). AFTER MAY 12 REGISTRATION WILL BE AVAILABLE ON-SITE.

**Credit card payments** can be made by fax (775-323-3599) or on the website ([www.gsnv.org/symposium](http://www.gsnv.org/symposium)).

No cancellations accepted after April 30<sup>th</sup>. Guests/spouses may sign up for the exhibits-only fee, which provides access to the exhibits and to all Social Events in the Exhibit. Please complete a separate registration form for each guest.

**For hotel reservations at John Ascuaga's Nugget Hotel** please call 1-800-648-1177 and use "Geology" as the code to get the group reservation rate. You can also go directly to the website ([www.januggetsecure.com/jump/1220/](http://www.januggetsecure.com/jump/1220/)) for the group reservation rate.

.....

Your Name: \_\_\_\_\_ Title: \_\_\_\_\_

Employer: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: (    ) \_\_\_\_\_ Email: \_\_\_\_\_

Fax: (    ) \_\_\_\_\_ If paying by credit card, indicate **VISA/MasterCard/AMEX/Discover** provide: \_\_\_\_\_

Card #: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Three-digit number from back of card: \_\_\_\_\_ Signature: \_\_\_\_\_

**SEE YOU THERE!!**

# FACES OF GSN

## *Jerry Baughman, Reno, NV*

Jerry Baughman started out life in western Montana and moved to Nevada at the age of 15. He always loved to explore the great outdoors and came inside only when it was time to eat. Montana was a great place to explore and by the time the Baughman family moved to Nevada, Jerry had explored every ditch, trail, and mountaintop within 15 miles of his home. This background proved a great start to becoming an exploration geologist.

Before moving to Nevada, Jerry's father had invested in a barite mine east of Northumberland, and also in a red beryl prospect located in the Wah Wah Range in SW Utah. Jerry's first adventure in mining was visiting the barite operation at the age of 15, where he experienced a pit blast. While at the mine he met Russ Fields who was managing the project for Milchem. From the time he was 16 years old until he was 19, Jerry spent several weeks each summer mining red beryl's in the Wah Wah Range. Jerry has had so many great experiences in the mining business, and looking back at his career, he is grateful that the Monitor Barite and red beryl projects were there in the beginning, to move him toward a career in geology.



*Jerry Baughman at Troy Canyon, Nye County, Nevada*

Jerry graduated from the University of Nevada, Las Vegas with a B. Sc. in Geology in 1986. After graduating, he worked for several mineral exploration companies, spending so much time in northern Nevada that in the spring of 1990 he decided to move to Reno. While attending the GSN Symposium in May 1990, he met representatives of Cambior and within a couple of weeks he began to work for them.

Jerry's next job was with Southwestern Gold, who had recently opened an office in Reno. After reviewing one of Jerry's property submittals he was offered a staff position. That assignment lasted for several years, and he eventually became exploration manager for Nevada. In the spring of 1991 a submittal arrived from Peru and the entire staff except Jerry moved to Lima. During this time, Mr. Baughman continued to actively man the Nevada office, with little personal contact from the main office in Vancouver. Several months would pass without meeting anyone from Vancouver or Lima. Jerry continued sending monthly reports and looking at dozens of projects and submittals throughout Nevada. Even though the company's emphasis was not on Nevada at that time, the CEO liked Nevada, so Jerry remained active.

While working for Southwestern, Jerry made a few field trips to Peru. During that time he spent several months in the Andes and was involved with a grass roots lead-zinc-silver discovery that advanced to pre-feasibility stage. While in Lima he met the love of his life, Fabiola, and they now have two wonderful children Jerry Jr. and Caroline.

After leaving Southwestern Gold, Jerry returned to prospecting in the winter of 1995. The first property he acquired was Regent, near Rawhide. This project energized Jerry because he was confident that Kennecott would mine the deposit after finishing operations at Rawhide. Kennecott was very aggressive at the time, drilling over 500 holes into the Regent deposit. When gold dropped to \$250 an ounce in 2001 they decided to return the property. Still energized by Regent, and by strong annual Christmas tree sales in Las Vegas and farm sales in Oregon, Jerry continued leasing properties and prospecting during low metal prices.

In 2006 Jerry met the people of Gryphon Gold at the San Francisco Gold Show. The feasibility for Borealis was at that time not economical; so they were interested in acquiring Jerry's Nevada Eagle Resources (NER) property portfolio to become an exploration company. Mr. Baughman sold NER to Gryphon in the summer of 2007. Jerry's tenure at Gryphon Gold has been a great experience. Being a manager and a director, he learned how a small junior company works. Jerry really enjoyed the job and was grateful for this real life learning opportunity. He had a great time working with Steve Craig. Working and spending time with Steve was fulfilling, not only professionally but also at the personal level.

Fronteer Development Group recently purchased NER from Gryphon Gold. Mr. Baughman will be moving to Fronteer, to help manage the NER portfolio and help identify new opportunities in Nevada for Fronteer. Jerry is hopeful working for Fronteer will be another positive chapter in his life as a geologist.

# Upcoming Events

**May 10  
Monday**

Northern Nevada Section SME monthly dinner meeting:

Speaker: Patrick Donovan, his talk is titled "**Twin Creeks Mine, Vista Phase 7 Layback, Continued Success**" (see abstract below)

Sponsor: Bodell Construction [www.bodellconstruction.com](http://www.bodellconstruction.com)

Email [neville.rhoden@gmail.com](mailto:neville.rhoden@gmail.com) for reservation.

Location: Circus-Circus (Mandalay Room in the Convention)

Social Hour begins at 6:00PM, Dinner starts at 6.45PM, Technical Talk begins at 7:30 PM.

The Vista Phase 7 layback at Twin Creeks is an extension of the Chimney Creek and Vista pits, which were mined from 1986 to 2002 by Goldfields Mining Company, Santa Fe Pacific Mining Company, and Newmont Mining Company. The ore body is the continuation of the Chimney Creek deposit, down-faulted to the east along the 20,000 fault, and is hosted by the Pennsylvanian-Permian Etchart Formation, which is comprised of silty to sandy limestone. The deposit is covered by overburden of 200 to 300 ft of alluvium and 200 to 300 feet of barren upper Etchart Fm, with the main body of mineralization hosted in the decalcified and collapsed contact zone between the upper Etchart silty limestone and lower Etchart sandy limestone. Development of the deposit began in 1986, with a condemnation hole. Due to the deposit's depth, relatively high strip ratio, and relatively lower grades the deposit had lower priority than other deposits in the district. A focused and sustained development program was endorsed by site management in 2005 and has led to the original resource being tripled in size. The Vista Phase 7 resource is currently estimated at 1,060,000 ounces of gold.

**June 25  
Friday**

GSN Unplugged! No speaker, no microphone, no slide show, just mingling with members. Barbeque and beverages provided for GSN Members organized and delivered by the GSN Board of Directors. Peavine Pavilion at Rancho San Rafael Park from 5 p.m. to 9 p.m.

**June 26  
Saturday**

## **Golf Tournament Hosted by Inspectorate America Corp.**

Place: Lakeridge Golf Course  
1218 Golf Club Drive  
Reno, Nevada 89519

Tee Times w/Cart: 10:16 am – 1:28 pm

All golfers please be at the course by 1:00 pm to ensure a timely start.

Shotgun Start: 1:30 pm

Capped at 100 Golfers (Must be a GSN member or related to one)

\$35.00 fee includes golf and dinner.

\$10.00 fee to be paid for dinner only (those not golfing)

Dinner will be Tri-Tip; Tuscan Chicken; House Salad; Herb Roasted Red Potatoes; Baked Beans; Fresh Seasonal Vegetables; Triple Chocolate Decadence Cake; N.Y. Cheesecake, Raspberry Sauce

Inspectorate will sponsor 10 students (waived for golf and dinner), Kathy Sestanovich and guest and Peg O'Malley (waived for dinner).

\$10K "Hole In One" prize for Lakeridge's signature 15<sup>th</sup> Hole Island Green.

Inspectorate would appreciate **any items** that companies would like to donate for the raffle.

Inspectorate will sell raffle tickets for \$5.00 each or 5 for \$20.00. Buy as many as you like.

Mulligans will be sold for \$5.00 each or 5 for \$20.00, no more than five Mulligan's per person. All Mulligan sales will go to the GSN Foundation.

**GSN Winnemucca Chapter Meeting  
May 14, 2010**

**“Discussion of Snowstorm Exploration Project, Northern  
Elko and Humboldt Counties, Nevada”**

**Winthrop A. Rowe, Project Manager**  
Snowstorm LLC

Snowstorm Project is a privately funded “grass roots” gold exploration project located in the northern Snowstorm Mountains, and extending west to Chimney Reservoir. A large land position covers in excess of 31 square miles. Project activities began in early 1999 and have continued to present.

The project was initiated to explore the unique intersection of northern extensions of the Carlin Trend, Getchell Trend, and northern Nevada Rift. Extensive data collection includes geologic mapping, soil geochemistry, rock chip geochemistry, sage geochemistry, imagery, RC drilling and core drilling. Data are compiled on MapInfo driven GIS and Gemcom 3-D databases. Although privately funded, work and accomplishments to date are considered significant.

Miocene volcanic and volcanoclastic rocks dominate surface exposures of the project area. Drilling has discovered lithologic equivalents to typical Midas District stratigraphic host rock units in the Miocene age sequence. In addition, drilling and geophysics demonstrate that much of the project area is underlain by Paleozoic rocks at relatively shallow depths. Paleozoic rocks identified to date include Comus Formation host rocks and upper Etchart sequence. Lithologies and observations will be discussed in more detail. A significant feature for generation of limestone and debris flow breccias, is the interpreted Comus age seamount feature located on the project. An intrusive complex is inferred and defined by detailed ground magnetics geophysics.

Three different styles of exploration targets are defined:

Midas style vein systems

Miocene age near surface silicification and brecciation

Eocene age Turquoise Ridge style targets hosted in limey sediments of the Comus Formation

Each of the three target styles will be briefly discussed with some results shown. Highest priority targets going forward are the Turquoise Ridge style targets.

Snowstorm LLC is of the opinion that new targeting tools have been developed that help define Eocene age mineral targets hosted in Comus Fm, lying beneath Miocene volcanic cover. Details of this possible breakthrough targeting process will be displayed and discussed.

**WINNEMUCCA CHAPTER  
MAY SPONSOR**



**BARRICK**  
**TURQUOISE RIDGE**

Represented By:  
Lora Chiehowsky, Senior Geologist  
[lchiehowsky@barrick.com](mailto:lchiehowsky@barrick.com)  
HC 66 Box 220  
Golconda, NV 89414  
(775) 529-5001

**Thanks to Drift Exploration Drilling Inc. for  
sponsoring the Winnemucca Chapter's  
April Meeting**

# Activity Update

Mike Brady, March 2010  
Nevada

[www.activityupdate.com](http://www.activityupdate.com)

Richmond Mining Ltd. announced that it acquired an option to earn a 100% interest in the Buena Vista Property (Fe) from private interests for \$6,000,000 over 1 year. *M.J.:* February 26

Trio Gold Corp. announced that it reassigned its interest in the Rodeo Creek Property to Amarak Resources Inc. for 144,240 shares. *Press Release:* March 17

The State imposed a new, sliding-scale claim fee on valid unpatented claims held past September 1. Owners of fewer than 11 claims would not be subject to the fee while those with over 1,300 claims would be assessed \$195/claim. *Press Release:* March 4

Quadra Mining Ltd. and FNX Mining Co. Inc. announced that they would merge on a 0.87share Quadra/1.0 share FNX exchange basis. (reserve @ Robinson = 133,862,000 tons @ 0.54% Cu, 0.007 opt Au proven+probable) *Press Release:* March 23

High Desert Gold Corp. announced that it acquired an option to earn a 60% interest in the Gold Springs Property from Gryphon Gold Corp. for \$190,000 cash and \$1,000,000 in exploration expenditures over 5 years. *Press Release:* March 18

Nevada Copper Corp. announced that recent drill results at the Pumpkin Hollow/East Project include 467.3-480.1 meters @ 2.13% Cu, 0.011 opt Au (NC10-03); 541-556.2 meters @ 1.39% Cu, 0.010 opt Au (NC10-03); 496.2-506.4 meters @ 2.76% Cu, 0.009 opt Au (NC10-11) and 536.9-547.6 meters @ 2.21% Cu, 0.007 opt Au (NC10-11). (resource = 7,100,000 tons @ 3.35% Cu inferred) *Press Release:* March 23

Nevada Copper Corp. announced that recent drill results at the Pumpkin Hollow/E-2 Project include 407.2-417 meters @ 2.95% Cu, 0.010 opt Au (NC10-06); 572.9-586.1 meters @ 2.09% Cu, 0.011 opt Au (NC10-07); 682.4-685.2 meters @ 1.72% Cu, 0.001 opt Au (NC10-08) and 838.2-842.8 meters @ 1.92% Cu, 0.001 opt Au (NC10-09). (resource = 363,000 tons @ 0.70% Cu, 0.093 opt Au, 3.66 opt Ag measured) *Press Release:* March 23

Lincoln Mining Corp. announced that recent drill results at the Pine Grove Project include 230-250 feet @ 0.039 opt Au (W-99); 55-80 feet @ 0.040 opt Au (W-102); 60-70 feet @ 0.119 opt Au (W-104) and 0-40 feet @ 0.196 opt Au (W-106). (resource = 6,060,000 tons @ 0.053 opt Au inferred) *Press Release:* March 2

General Moly Corp. announced that Hanlong Mining Investment Inc. would provide a \$665,000,000 bank loan for the Mount Hope Project in exchange for a 20% interest. (reserve = 1,062,500,000 tons @ 0.068% Mo proven+probable) *Press Release:* March 5

Fronteer Development Corp.(49%) announced that recent drill results at the Sandman Project include 4.18 meters @ 0.302 opt Au (NSM-135); 18.59 meters @ 0.102 opt Au (NSM-132); 11.19 meters @ 0.102 opt Au (NSM-151) and 7.89 meters @ 0.059 opt Au (NSM-152). (resource = 1,710,000 tons @ 0.048 opt Au measured) *Press Release:* March 25

Evolving Gold Corp. announced that recent drill results at the Carlin Project include 759.1-766.7 meters @ 0.161 opt Au (CAR-07); 861.3-864.3 meters @ 0.412 opt Au (CAR-07); 887.2-893.3 meters @ 0.143 opt Au (CAR-07) and 920.7-931.4 meters @ 0.216 opt Au (CAR-07). *Press Release:* February 25

Christopher James Gold Corp. announced that it acquired an option to earn a 100% interest in the Talapoosa and La Cecilia (Sonora) properties from Chesapeake Gold Corp. for 18,485,900 shares (75%). (Talapoosa resource = 42,700,000 tons @ 0.025 opt Au, 0.34 opt Ag) *Press Release:* March 4

AuEx Ventures Inc.(49%) announced that recent drill results at the West Pequop Project include 40 feet @ 0.061 opt Au (WN195); 40 feet @ 0.083 opt Au (WN202); 45 feet @ 0.058 opt Au (WN203) and 80 feet @ 0.043 opt Au (WN205). *Press Release:* March 4

Yukon-Nevada Gold Corp. announced that recent underground drill results at the Jerritt Canyon/SSX-Steer Project include 0-20 feet @ 0.155 opt Au (SR-198); 274-299 feet @ 0.159 opt Au (SR-211); 103-118 feet @ 0.161 opt Au (SR-213) and 403-423 feet @ 0.169 opt Au (SR-225). *Press Release:* March 19

Yukon-Nevada Gold Corp. announced that recent drill results at the Mahala Project include 1,145-1,155 feet @ 0.209 opt Au (MAH-115) and 885-905 feet @ 0.240 opt Au (MAH-116). (resource = 420,600 tons @ 0.296 opt Au measured+indicated) *Press Release:* March 19

Kenai Resource Ltd. announced that it acquired an option to earn a 60% interest in the Albisu Project from Western Uranium Corp. for \$800,000, 250,000 shares and \$1,950,000 in exploration expenditures over 4 years. *Press Release:* March 22

Staccato Gold Resources Ltd. and Timberline Resources Corp. announced that they would merge on a 1.0 share Timberline/7.0 shares Staccato exchange basis. (resource @ Lookout Mountain = 4,753,000 tons @ 0.020 opt Au measured) *Press Release:* March 23

## SPIDER® is a new generation of spiral rope net for rockfall protection

- SPIDER® is an innovative wide-meshed spiral rope net, made of a high-tensile 4mm diameter steel wire strand.
- Its scope of application goes beyond traditional nets for boulders prone to break loose or other unstable rock masses.
- Anchored SPIDER® systems allow a flexible nail pattern to stabilize areas with larger blocks or irregular layers of stratified rock.
- SPIDER® nets are more economically installed due to packaging in rolls that are easily deployed.
- SPIDER® dimensioning software enables designing the system to anticipate distribution of forces, regardless of deformations.



Geobrugg North America, LLC  
 Geobrugg Protection Systems  
 Eric Ruud, SW USA & Mining Sector  
 Ph: 775-626-7474 www.geobrugg.com  
 eric.ruud@geobrugg.com



## HOLABIRD-KAGIN AMERICANA

3555 Airway Drive #308, Reno, NV 89511  
 (775) 852-8822 Toll-Free: (877) 852-8822  
 www.holabirdamericana.com

Gold \* Mining References & Ephemera \* Stock Certificates \* Tokens \* Coins \* Ingots \*  
 \* Assay Receipts \* Rare Mineralogy Books \* Historical Documents \*

### On the Mining Camp Trail... Auction

Historic pieces from America's Great Western Mining Camps Western mining exploration reference works from the libraries of Dick Thomssen and others Geologists ~  
 ~ Detailed property reports c1900-1940 ~ Mining company records  
 ~ Ore deposit maps ~ Historic Claim Deeds ~ Miner's Letters and Diaries ~  
 ~ Mineral Publications ~ Geology Papers ~ Survey Books ~

**Live Auction in Reno, Tuesday May 18th ~ 10am**  
 Bid online, by phone, by mail, by fax or LIVE  
 Call for details ~ full color catalog available online or in print!

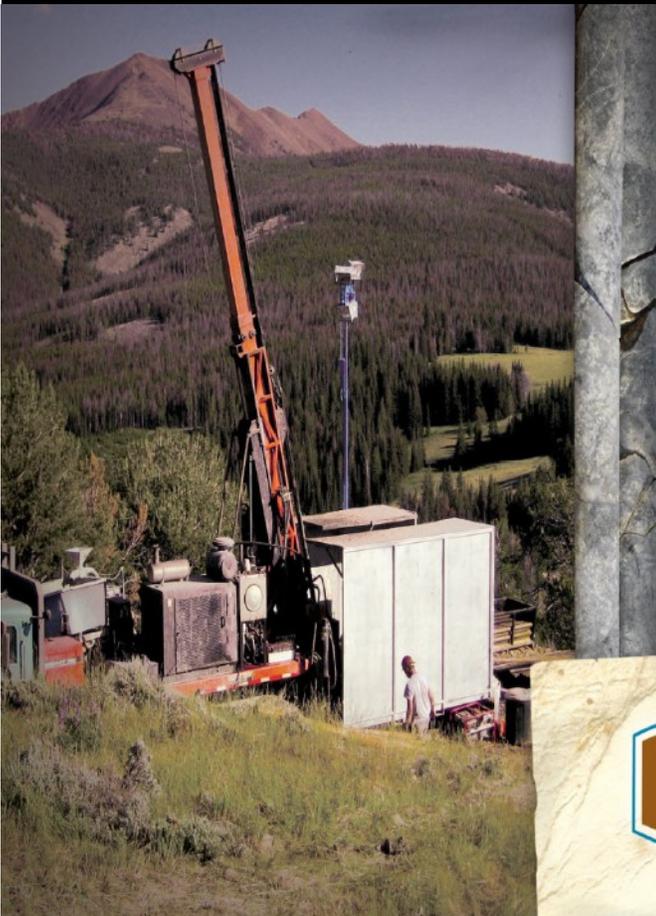
### Mining Libraries for Sale!

We have 2 extensive libraries for sale (13 cubic feet) filled with hundreds of rare and out of print mineralogical references. Mining History, Mineralogy and Mineral Exploration as well as an entire genesis of ore deposit library (5 shelves!)  
 Inquire for details on these 2 fabulous collections!!!!

### Also Coming in 2010...

- Gil Schmidtman Nevada & Death Valley Collection Auction ~ Part II
- Great American Saloon Token Auction ~ Part II
- Mueller Western Photograph Collection Auction





## A CORE DIFFERENCE

- Support for active mine operations and mine development projects.
- Underground and surface drilling capabilities.
- Maximum returns on client investments
- Uncompromised safety and stewardship.
- Unparalleled customer service



Coeur d'Alene, Idaho – 208.665.7211  
 Elko, Nevada – 775.777.1100  
[www.timberline-drilling.com](http://www.timberline-drilling.com)



*Serving Mining in Nevada Since 1992*

**General Engineering Contractor**  
**Drill Pads**  
**Road Building**  
**Reclamation**  
**Earthwork**

Office: 775-753-5832  
 Mobile: 775-778-1681  
 Mobile: 775-934-1315  
[www.legarza.com](http://www.legarza.com)

NV License #35480  
 CA License #804120



Fire Assay, ICP-OES/MS, XRF, LECO, Custom Prep,

Chris Ioannakis, Managing Director, Analytical Services

**Corporate Office**  
 1500 Glendale Avenue  
 Sparks, NV USA 89431-5902  
 Telephone: (775) 356-0606  
 Fax: (775) 356-1413

**Elko Office**  
 2320 Last Chance Road  
 Elko, NV USA 89801-4852  
 Telephone/Fax : (775) 738-9100

E-mail: [AALADMIN@aallabs.com](mailto:AALADMIN@aallabs.com)



**Eric O. Ruud**  
 Manager, Southwest USA  
 Region & Mining Sector

Phone (775) 626-7474  
 Fax (775) 626-7479  
 Mobile (775) 843-3424

**Geobruigg North America, LLC**  
 Geobruigg Protection Systems  
 1500 Glendale Avenue  
 Sparks, Nevada 89431  
 USA

[info@us.geobruigg.com](mailto:info@us.geobruigg.com)  
[www.geobruigg.com](http://www.geobruigg.com)  
[eric.ruud@geobruigg.com](mailto:eric.ruud@geobruigg.com)

# North American Exploration

Providing service to the Mining industry since 1964



With over 45 years of experience, we will complete any exploration project, Anytime! Anywhere!



**801-544-3421**

North American Exploration, Inc.  
447 North 300 West, Suite #3  
Kaysville, Utah 84037  
Email: [nae@nae-xploration.com](mailto:nae@nae-xploration.com)



**ALS Laboratory Group**  
Minerals

**We specialize in:**

- Assaying and geochemical analyses for mining and mineral exploration projects
- ISO 9001:2008 and 17025:2005 accredited analysis methods
- Updated Webtrieve™ on-line and state-of-the-art web data access system
- Digital mineralogy services with MLA
- New lower detection limits for geochemical studies

Contact us to discuss a cost effective solution to your exploration analysis requirements.

[ClientServicesUSA@alsglobal.com](mailto:ClientServicesUSA@alsglobal.com) 775-356-5395

[www.alsglobal.com](http://www.alsglobal.com)

*Right solutions... Right partner*

**USA Locations:**

Elko      Reno      Winnemucca      Fairbanks



At Timberline Drilling, Inc. we have a fleet of drills to meet every need. We specialize in both underground and surface core drilling in support of active mining operations, mine development projects and exploration.

Timberline Drilling, Inc. - Corporate  
Martin Lanphere: 208.755.1938  
[mlanphere@timberline-drilling.com](mailto:mlanphere@timberline-drilling.com)

Timberline Drilling, Inc. - Mexico Operations  
Paul Elloway: 52.662.151.0426  
[pelloway@wwemexico.net](mailto:pelloway@wwemexico.net)

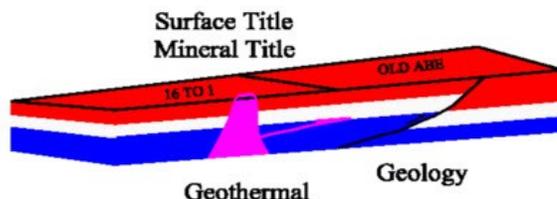
Timberline Resources Corp.  
Randy Hardy: 208.664.4859  
[hardy@timberline-resources.com](mailto:hardy@timberline-resources.com)

Visit Us At:  
[www.timberline-drilling.com](http://www.timberline-drilling.com)  
for detailed information on all of our available drill rigs.

## G.I.S. Land Services

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

Mineral Title, Geothermal Title,  
National Instrument (NI) 43-101 Title Review,  
Due Diligence  
3D AutoCad; ArcMap and MapInfo GIS

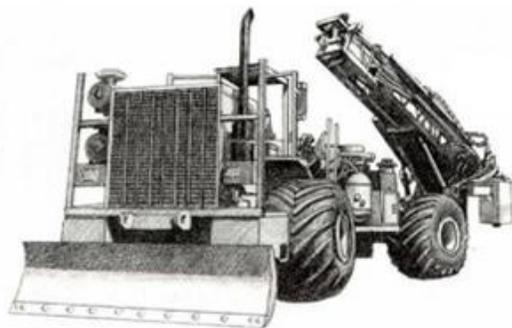


A professional firm of  
Landmen, Geologists, Draftsmen and Technicians  
Providing Abstracts of Title, Land Status and  
Exploration Geology Services  
Utilizing AutoCad - ArcMap - MapInfo - PowerPoint  
[www.gislandservices.com](http://www.gislandservices.com)

241 Ridge St., Suite 250  
Reno, NV 89501  
Ph: 775-746-8803 Fax: 775-746-8802  
email: [greg@gislandservices.com](mailto:greg@gislandservices.com)



**DIVERSIFIED DRILLING, LLC**



*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](http://www.diversifieddrilling.com)

**Big Sky Geophysics**

Clark Jorgensen, M.Sc.  
Geophysicist

*Field Work  
Processing  
Interpretations*

P.O. Box 353 Phone/Fax +1 (406) 587-6330  
Bozeman, Montana 59771 Mobile +1 (406) 580-9718  
USA [clark@bigskygeo.com](mailto:clark@bigskygeo.com)

**For more details, my background, and case studies, visit my webpage at [www.bigskygeo.com](http://www.bigskygeo.com)**

**Exploration & Mining Analytical Services**



**INSPECTORATE**

**INSPECTORATE AMERICA CORP.**

605 BOXINGTON WAY, SUITE 101  
SPARKS, NV 89434-8929  
Phone: 775.359.6311 \* Fax: 775.359.2944  
<http://www.inspectorate.com>

Carmen Arbizo-Business Development Mgr  
[Carmen.Arbizo@Inspectorate.com](mailto:Carmen.Arbizo@Inspectorate.com)  
Mobile: 775.219.8657

Richard Thorneloe-General Mgr  
[Richard.Thorneloe@Inspectorate.com](mailto:Richard.Thorneloe@Inspectorate.com)  
Mobile: 775.691.5832

Dave Williams-Vice President  
[Dave.Williams@Inspectorate.com](mailto:Dave.Williams@Inspectorate.com)  
Mobile: 775.848.8025

Chuck Whipple-Quality Assurance/Client Service Mgr  
[Chuck.Whipple@Inspectorate.com](mailto:Chuck.Whipple@Inspectorate.com)  
Mobile: 775.830.4242

Brian Park-Li-Technical Manager  
[Brian.ParkLi@Inspectorate.com](mailto:Brian.ParkLi@Inspectorate.com)  
Mobile: 775.691.5834

**MINIMIZING RISK EVERY DAY  
ISO 9001:2000 Certificate #30406**



**Carlin Trend Mining  
Supplies & Service**

[www.carlintrend.com](http://www.carlintrend.com)

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

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



**Leaders in Deep  
Exploration**

**Global Geophysical Services**

**Surveys:** IP/Resistivity, EM, Gravity, MT, TEM, CSAMT, Magnetics

**Consulting:** 2D & 3D Inversion, Project Design, Modelling

**Deep Earth Imaging Technology**



**Minesite Imaging:** Exploration, Delineation, Condemnation

[www.QuantecGeoscience.com](http://www.QuantecGeoscience.com) 1.775.827.2611

Canada • USA • Botswana • Peru • Chile • Argentina • Australia



Environmental Services  
for the Mining Industry

- Baseline Studies
- Environmental Permitting
- Monitoring & Compliance
- Reclamation & Closure Plans
- Investigation & Remediation

**Elko Location**  
775.738.8766

[www.jbrenv.com](http://www.jbrenv.com)

creating solutions for today's environment



**JOSEPH R. ANZMAN**  
Exploration Geophysicist

- Consulting
- Interpretation
- Project Management
- Geophysical Surveys
- Domestic & Foreign

P.O. Box 370526  
Denver, Colorado 80237

303-337-4559  
Telephone/Fax

[geophjoe@comcast.net](mailto:geophjoe@comcast.net)



[www.orbitgarant.com](http://www.orbitgarant.com)

RC Drilling, Core Drilling Surface & Underground  
Contractors License # 59509

6120 Pedroli Lane  
Winnemucca N.V. 89445

Tel 403-652-5530  
Fax 403-652-5578

Email [infodriftdrilling@platinum.ca](mailto:infodriftdrilling@platinum.ca)

*Jo Beth Allen*  
*Professional Graphics*

*CAD Drafting/Geologic Data Maps*  
*Digitizing/Presentation Graphics*  
*PowerPoint/Plotting/Printing*  
*Geologist*

1055 Joshua Drive  
Reno, Nevada 89509

Phone: 775-324-7960  
Fax: 775-324-7583

[jobeth@yellowsub.net](mailto:jobeth@yellowsub.net)

**HARD ROCK WHEELS, INC.**  
4WD Pickup Rentals

Howard J. Adams  
14756 Pine Knolls Lane  
Reno, Nevada 89521  
(775) 852-2622  
Fax (775) 852-2075

Taiga Ventures  
2700 S. Cushman St.  
Fairbanks, Alaska 99701  
(907) 452-6631

[hardrockwheels@yahoo.com](mailto:hardrockwheels@yahoo.com)



Sierra Environmental Monitoring  
Analytical Testing Services

Water	Hazardous Waste (RCRA)
Wastewater	Mining Industry
Brines	Specialized Testing

Email: [jnava@sem-analytical.com](mailto:jnava@sem-analytical.com)

Tel: 775-857-2400

Website: [sem-analytical.com](http://sem-analytical.com)



**All Repairs come with  
a Nationwide Warranty!**

**DMV Registration Renewals**

Free Pick-Up & Delivery...Call for Details!

*Automotive*

*"Discover the Personalized Touch in Automotive Repair"*



**COMPLETE  
AUTO REPAIR**

**FOREIGN & DOMESTIC**

**AUTOS • TRUCKS • 4-WHEEL DRIVES • GAS & DIESEL**

**945 TERMINAL WAY, RENO 89502**  
OFF MILL STREET

**775-856-4434**

[www.pro1automotive.com](http://www.pro1automotive.com)

**WE PROUDLY SUPPORT NEVADA MINING!**  
*Ricky Stebbins has been taking care of geologists  
vehicles since 1986 & understands the need for  
reliable vehicles on the road and in the field.*

# GEOLOGICAL SOCIETY OF NEVADA



gsn@gsnv.org • www.gsnv.org  
Telephone (775) 323-3500 Fax (775) 323-3599  
2175 Raggio Parkway, Room 107  
Reno, NV 89512  
USA