



GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Geological Society of Nevada, 2175 Raggio Parkway, Reno, NV 89512
(775) 323-3500 - Hours Monday -- Friday, 10 a.m. to 5 p.m.
Website: www.gsnv.org • E-mail: gsn@gsnv.org



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AUG. 14, 2024 WEDNESDAY

GSN WINNEMUCCA CHAPTER ANNUAL PICNIC

The GSN Winnemucca Chapter Annual Picnic will be held at Vesco Park at 5:00 pm. **Food, beer, and lawn games will be provided! Sponsors: BOART LONGYEAR and ALS GEO-CHEMISTRY.** For more information, please contact Chapter President, Kris Alvarez at: kalvarez@i80gold.com. Details on page 4.

AUG. 15, 2024 THURSDAY

GSN ELKO CHAPTER AUGUST BBQ

The GSN Elko Chapter will be hosting a BBQ at the Main City Park in Elko on **Thursday, Aug. 15th from 6-9 p.m.** **Sponsors: RANGEFRONT MINING SERVICES.** Please contact Elko President, Ajeet Milliard Ajeet@mejlrc.net for more information. Details on page 5.

AUG. 22, 2024 THURSDAY

22ND ANNUAL "SILVER" SUMMER SERIES BBQ IN RENO

Guest Speaker: Mr. Doug Silver, Namesake of the Silver Series. Title: "The Five Most Important Things Going On In the Mineral Business". Location is at Dan Kappes's home, 13045 Welcome Way, Reno, NV. 5:30 PM Drinks, 6:00 PM Potluck BBQ, 7:00 PM talk begins. **Sponsors for the event are: KAPPES, CASSIDAY & ASSOCIATES, RESPEC, GE-OTEMPS/GEOPROS, and MRC. RECRUITING** Please RSVP online by August 19TH: [SILVER SERIES RSVP](mailto:gsn@gsnv.org) Or email the GSN Office, gsn@gsnv.org. Details on page 3.

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GSN SUMMER SILVER SERIES SPONSOR



FROM THE PRESIDENT
Patty Capistrant, GSN President JUNE 1, 2024-MAY 31, 2025
AUGUST 2024



Dear Members of the Geological Society of Nevada,

In my inaugural address, I would like to express my deep honor and gratitude to the society as we embark on another active year of geologic inquiry and discussion. The Geological Society of Nevada boasts a rich history of promoting the geologic sciences and fostering community.

In 1957 the society's precursor began as a small meeting in the Mackay School of Mines, where the first talk covered the geology of the Virginia City area. From there the group grew and evolved, with membership exceeding 100 members sometime during the mid-1970s, and growing to a whopping 1,200+ members today! The first field trip was in 1981, visiting Alligator Ridge. Members arranged their own transport, meals, and accommodation to/in Ely; and on the day of the trip \$49 got participants a ride to the mine site and lunch. Our first published field trip guide was compiled in 1984 for the trip to Pinson, Florida Canyon, Rochester, and Relief Canyon.

The Geological Society of Nevada became a formal entity on August 25, 1983, with the necessary document filings with the Secretary of State, which included the first constitution and by-laws. These have been updated over the years and can (and should) be viewed by the membership [here](#). Also notable is that the first GSN Symposium took place in 1987 at John Ascuaga's Nugget (now Nugget Casino Resort). The 2027 GSN Symposium, if volunteers (that YOU!) can get it launched, would mark the 40th Anniversary of the event!

A cornerstone of the society has been the monthly newsletter. Since the initial 1957 meeting, a document with information on time, date, location, speaker, and subject has been disseminated to active members. This has grown over the years to include articles, biographies, advertisements, and sponsor information, but the ethos has remained the same: create an opportunity for geological community and camaraderie to occur, and by-god we will show up (malted beverages help)!

I am excited for the year ahead! We have a great line-up of speakers developing in Reno and at our chapters in Elko and Winnemucca, beginning with Doug Silver's talk at the GSN Silver Series, graciously hosted by Dan Kappes (see details on page 3).

Ajeet Milliard is securely holding the reins of the GSN Elko Chapter – she has a solid vision for this year, so watch this space for announcements of speakers and events. And Kris Alvarez is keeping the Winnemucca GSN on strong-footing as president this year, once again.

Our meetings will continue to be hosted at the Atlantis Casino Resort from September through May (including our Christmas Party, organized by the GSN Foundation). The meeting dates will be as follows:

September 20, 2024	February 21, 2025
October 18, 2024	March 21, 2025
November 15, 2024	April 18, 2025
December 18, 2024	May 16, 2025
January 17, 2025	

Thank you all for being members of the Geological Society of Nevada. I look forward to serving you this 2024-2025 year!

Cheers,
Patty Capistrant

P.S. Details from history of the GSN were taken from Roger Steininger's 2006 document, located [here](#).



President's Photo of the Month: my exhausted field assistant, Darcy, at the end of a day of soil sampling, April 2024.

GUEST SPEAKER: DOUG SILVER



TITLE: “The Five Most Important Things Going on in the Minerals Industry”

Sponsors: KAPPES, CASSIDAY & ASSOCIATES

GEOTEMPS/GEOPROS, INC.

MRC RECRUITING

RESPEC

TIME: Drinks @ 5:30 pm, Dinner @ 6:00 pm, Talk @ 7:00 pm

**WHERE: Dan Kappes’s Backyard, 13045 Welcome Way, Reno, NV
(please carpool if you can!)**

**WHAT TO BRING: A Lawn Chair and an Appetizer, Side Dish or
Dessert to Share. Dan will supply all the catered BBQ!**

Please RSVP online by August 19th at:

<https://www.gsnv.org/events/gsn-summer-silver-series/?date=1724284800>

Abstract: We live in a dynamic world with continually changing impacts. Let's identify and discuss these issues.

GSN wishes to thank our MAY MEETING sponsors!

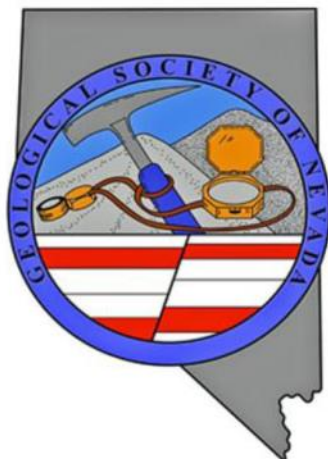




GSN WINNEMUCCA CHAPTER NEWS



Please join us for the
Winnemucca GSN Annual Picnic
Wednesday, August 14, 2024
Vesco Park, Winnemucca
Starts at 5, Food and Drinks at 6 pm



Join us for volleyball, horseshoes, cornhole, and as always, beer and food catered by The Martin Hotel!

If you have any questions, contact Kris Alvarez at kalvarez@i80gold.com or 775-770-4615

FOOD AND BEER SPONSOR:
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GSN ELKO CHAPTER NEWS



The GSN Elko Chapter invites you to attend their LAST BBQ of the summer!

Thursday, August 15, 2024

Food and Drinks @ 6 p.m.

Elko Main City Park on Idaho St.

FOOD & BEER SPONSOR:

SUMMER IN ELKO

Ajeet Milliard, Chapter President



Who doesn't love a summer BBQ? Who doesn't love talking about rocks? So, who wouldn't love combining the two - three months in a row?? The GSN Elko Chapter has had two extraordinary barbecues so far in June and July. And guess what? If you haven't made it to the first two, there's one more opportunity in August (15th)!

We have had two lovely sponsors of our summer BBQ series this year; ALS Global (June) and IDS (July). Over the past few years, ALS has moved to having their sponsored event at the Elko City Park which has grills available on site, and it has been a big hit for GSN fans and their families. This year, ALL of the summer sponsors have opted to go the same route. The City Park offers plenty of room to sit, eat, cook, roam, play cornhole, bring dogs, and kids and we feel it has been a great option for the summer. Though we do miss our friends at the DLC and thank them for the years of space provided, it's a positive thing to say that our group has simply outgrown the venue!

And what can I say, the Elko chapter has some terrific chefs for sponsors as well. ALS provided us with a stellar Mexican spread of grilled meat and other street taco fixings, including fresh made guacamole! Who can pass up on fresh guacamole?? IDS brought to the table traditional American BBQ fare done right – with some savory pulled pork thrown in too – awesome! So far we have had contributions of cornhole for the gaming types, stellar background music by our own Stefan Beck, and plenty of good conversations on rocks, and maybe a few other topics.

Thank you to the entire Elko GSN community for making these summer BBQ's a fun event that we can all look forward to attending. I heard in June we had nearly 100 people present – that's a lot of rock lickers in one place (for Elko) that isn't a conference, so thank you for showing up. We hope we can beat that record in August and with [RangeFront](#) hosting the event – it's sure to be a stellar good time! See you there!



New Elko officers for 2024-2025



ALS BBQ Crew



IDS BBQ Crew





NEWS FROM THE FOUNDATION

August, 2024

Bob Felder



The GSN Foundation funds several scholarships each year. This year we had 9 applicants for field camp grants and 22 applicants for the four scholarships listed below. We awarded a total of **\$34,800** and are pleased to announce the 2024 recipients:

2024 Summer Field Camp Grants (\$13,800): Angelique DePauw, Daniel Olivera, Olivia Armstrong, Sterling Ferguson, Timothy Rose, Trevor Ellsworth, Leonard Naegele, Sarah Math (all UNR)

GSN D.D. LaPointe Scholarship (\$12,000): Alyssa Lindsey (UNR) and Travis Fisher (UNR)

GSN Brian Morris Scholarship (\$5,000): Cristy Stoian (CSM)

GSN Chuck Thorman Geologic Mapping scholarship: (\$4,000): Desiree Guzman (UNR)

GSN Great Basin Geology Scholarship (\$12,000): Not awarded this year. Unfortunately, none of the applicants met the stated criteria for support by this scholarship

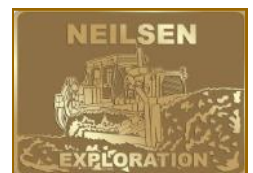
GSN Fall 2024

Field Trip

Save the Dates!

The 2024 GSN Fall Field Trip is scheduled for October 12-13, 2024. V.P. and Field Trip Leader, Steve Weiss is planning a great trip to visit Hog Ranch and Hayden Hill. Details will be forthcoming in the September newsletter!

Thanks Again to our Spring Field Trip Sponsors!



GSN Spring Field Trip 2024 Wrap-Up

Patty Capistrant

On May 31, 65 geologists convened at a pub in Hawthorne, Nevada for a beverage and catered meal to hear Bryan MacFarlane talk about the history and future of Hecla's Aurora deposit, located in the Bodie Hills, southwest of town. The next day, the entourage drove out to site and got a chance to look at, crawl over, and hammer on not only past-producing veins, but also new vein targets that have never been drilled! This classic epithermal system did not disappoint, with banded vein textures and even one stop boasting open-space vein sediment textures!

In the evening, we assembled at the same pub for an overview by Caleb Stroup of Headwater Gold to hear about the new epithermal vein discovery at Spring Peak, just south of Aurora. The next day, we drove out to site, where Caleb, along with Greg Dering and Andrew Canada, gave an exceptional tour of high level epithermal features, including sinter, geyserite, and palisade textures.

The Field Trip Guidebook (GSN Special Publication 74) offers maps, photos, and geologic write ups on each system. These represent the most up-to-date publications on either system. The publication is for sale on the GSN Online Store [here](#).

We would like to thank our SPONSORS for the field trip. **Boart Longyear** provided dinner Friday night; **ALS** sponsored the bar (and coincident geologic discussion); **American Assay** sponsored the snacks and drinks in the vans for all three days; **Envirotech Drilling** sponsored lunch (and possibly the nice weather, as well) Saturday at Aurora; **Premier Drilling** sponsored dinner on Saturday night; **Steve Neilsen** sponsored the bar on Saturday night (which may have led to late-night Karaoke); **Alford Drilling** sponsored lunch on Sunday at Spring Peak; and the full-page color maps were put together by Joe Laravie of **Great Basin GIS**. Thank you all for your support!!

Sawtooth Ridge stop at Aurora, geologists looking at outcropping siliceous rib.



Geologists overlooking the pit at the Prospectus Vein, Aurora.



Tony Gesualdo and Tyler Baril discuss epithermal paleosurfaces at Stop 3 of Spring Peak trip

Group photo at the Ann Pit.



Presentation by Caleb Stroup at Baley's Bar and Grill.



Three GSN Presidents!



Geologists crawling over the sinter-bearing breccia stop at Spring Peak.

GSN Picnic Wrap-up!

Bob Thomas, Chair, GSN Board of Directors

We had our annual picnic on June 7th, and it was a great success! The weather, food and beer were all great. What more is there? Games! A wonderful added attraction this year was [Jon Price](#) resurrecting the games! Jon organized three events, the gold pan toss, the hard hat toss, and the nerf ball toss for kids. He supplied a running commentary on the event, and it reminded us how much these games add to the good times. Lots of volunteers contributed to the effort, and I'll probably miss singling folks out. That's because so many pitched in, reducing the work load for everyone. Thanks to [Dave Shaddrick](#) for reserving the wonderful spot, on his own dime, at the Peavine Pavilion at Rancho San Rafael. Thank you to [RESPEC](#) for contributing the beer kegs! RESPEC/MDA has been doing this for years and the tradition is very much appreciated for the beer drinkers in the crowd. Special thanks to [Cindy Walker](#) of RESPEC for organizing and delivering the kegs, in addition to helping out as needed in the whole picnic effort. [Cami Prenz](#) once again ran the food prep department, and had plenty of help, including [Kay and Paul Tietz](#) and [Cindy Walker](#). [Greg French](#) was once again the head cook, and was ably assisted by [Bob Kastelic](#), with [Dave Caldwell](#) pitching in when needed. [Steve Weiss, John and Martha Watson](#) gathered up all the food supplies, and I'm not aware of anyone going away hungry. [Christian Thomas](#) served as the picnic photographer - Laura would have fired us if there were no pictures to circulate. [Josh Miller](#) also volunteered for duty but it turned out that we had so much help that his services were not required. But thank you Josh for volunteering anyway. Finally, and really deserving of special thanks, [John Churchill](#) made a big effort to gather up all the ice, soft drinks and water, plus collect and lug all the coolers and extras back to the GSN office, after cleaning up all the cooking paraphernalia. Thank you so much, John! [Laura Ruud](#) was not able to attend because of the out-of-town wedding of a family member, but her input beforehand contributed to the smooth running of the event. After all these kudos, though, It must be acknowledged that as long as you bring enough food, water, soft drinks and beer, it's pretty hard to foul things up!

PS - Our head count was 115, according to GSN membership chair, [Christian Thomas](#).

Thank you again to our generous beer sponsor:



GSN evaluation of alternative meeting venues

Conducted by Bob Felder

In response to members' comments about cost, among other things, regarding having our monthly meetings at the Atlantis we conducted a comprehensive evaluation of several other meeting venues. These venues included both new locations and venues that have hosted us in the past. Under consideration in this exercise were location, access, parking, food quality, service capabilities, audio-visual capabilities and cost. What we learned in this exercise is that costs have gone up everywhere, and that there are not a lot of places with a large enough room and quality A/V capabilities to work for our group. The casinos, although not a first choice of many, have the ability to serve a quality meal to a large group, provide a quality service experience and good audio-visual equipment for our speakers and audience. We could have chosen to move and realized a modest cost saving per person, but in our opinion, we would have given up other important qualities that we've come to expect and enjoy at our meetings. Therefore, we will be staying at the Atlantis for the 2024-2025 membership year. The GSN appreciates members' generous support and counts on that support to keep the organization running successfully.

OTHER UPCOMING EVENTS

August 10-13, 2024—AIPG—From August 10 to 13, 2024, the AIPG will be holding its National Meeting in beautiful Durango, Colorado on the campus of Fort Lewis College. **Contact:** aipg@aipg.org; Phone: 303-412-6205. [REGISTER HERE](#).

August 17, 2024 - Utah Geological Society Annual Picnic: Join us for food, fun, and a relaxing afternoon in Big Cottonwood Canyon. UGA will provide the main course and beverages. The site is reserved all day. Spruces Campground is 9.7 miles up Big Cottonwood Canyon. <https://utahgeology.org/events/uga-picnic>

August 25-31, 2024: 37th International Geological Congress 2024. The theme of this Congress will be "The Great Travelers: Voyages to the Unifying Earth." Busan Exhibition & Convention Center (BEXCO) #55 APEC-ro, Haeundae-gu Busan 612-704 SOUTH KOREA . Register [here](#).

September 4-6, 2024: Nevada Mining Association Annual Convention: *Inspired by Innovation*, Harrah's, Lake Tahoe, Nevada. Register here: <https://www.nevadamining.org/members/nvma-annual-convention/>

September 6-8, 2024: Nevada Mineral Exploration Coalition (NMEC), 2024 Great Basin Rendezvous, Royal Peacock Mine, Denio, NV. Contact Warren Thompson at: wfthompson@frontiernet.net. **Website:** <https://nvmecc.org/2024-great-basin-rendezvous>

September 22-25, 2024 Geological Society of America's Annual Meeting—Connects 2024, Anaheim, CA. Official Themes for 2024: "Water in Our Changing World" and "Life Along an Active Margin" Website: <https://community.geosociety.org/gsa2024/home>

September 27-30, 2024 SEG 2024 Conference: Sustainable Mineral Exploration and Development, Namibia. Website: <https://community.geosociety.org/gsa2024/home>

Nevada Mineral Exploration Coalition (NMEC)

2024 Great Basin Rendezvous

September 6th through 8th, 2024

For 2024 twelfth Great Basin Rendezvous (GBR), is returning to the Royal Peacock Opal Mine (Mine) near Denio, Nevada. Come join your fellow geologists, drillers, consultants, and their families.

The price will remain the same: members will pay \$20.00 plus \$10.00 for each additional family member over age 12. Non-members will be charged a base fee of \$170.00 which includes NMEC membership for the remainder of 2024 and all of 2025.

A fee of \$10 per person per night will cover dry campsites for tents or small trailers needing no hookups. The charge for larger trailer sites requiring 30-amp hook-ups is \$40.00 per night and 50-amp hook-ups run \$45.00 per night. These fees are over and above the registration fee and will be paid directly to the Mine. You must call the Mine directly at [\(775\) 941-0374](tel:7759410374) to reserve an RV space.

Breakfast and dinner are included in the price. Friday and Saturday night dinners will again be prepared by our camp host, Julie Wilson, along with her crew. Breakfast will be served on Saturday and Sunday. Julie has hired a band for Saturday night, so bring your steel toe dancing boots.

We have again been given a discount rate for digging at the mine. Digging in the fresh cut-face will cost \$150 or you can sift through the tailings for \$50, both per person per day (some of the greatest finds have come from the tailings). If you get enough digging at your job, think about spending the afternoon at the Virgin Valley Warm Springs (<https://travelnevada.com/camping/virgin-valley-campground-warm-spring/>) or just hang out at the beautiful mine campground.

The Royal Peacock Opal Mine has been owned and operated since the 1940s by a single family and offers precious black and white opal digging for a discounted fee to GBR participants. There are 60 dry camping spaces and RV/trailer spots with 30- or 50-amp hook-ups. Quality bathroom and shower facilities are available. We'll gather around the fire ring in the evening near the large grassy area. Famous opals found here include the [Northern Lights Delight \(also called "the shoe"\)](#) and the massive Ginkgo Log. At 130 pounds, the Ginkgo Log is among the largest precious opals ever found anywhere in the world! It was found by a customer in the late 1990s. Check out the Mine website: <https://www.royalpeacock.com>

We are looking for sponsors for meals, drinks and donations towards the campground fees. We have had great success in the past with generous sponsorships that have provided amazing breakfasts, dinners and cocktails, so please consider helping out. Registration fees are comped for sponsors.

TO HELP SPONSOR THE GREAT BASIN RENDEZVOUS, [Click Here](#)

For further sponsorship information contact Catherine Lee (clee@westlandresources.com) or JoAnn Newbury (jnewbury.consulting@yahoo.com)

TO REGISTER FOR THE GREAT BASIN RENDEZVOUS USE THE ONLINE PAYMENT FORM DIRECTLY BELOW

Or [Click Here](#) to Download the PDF Registration Form and mail to the NMEC address on the form

For further information on the Great Basin Rendezvous or camp logistics contact Warren Thompson at wfthompson@frontiernet.net

Mining Activity Update

JUNE 2024, Mike Brady

LMBrady@aol.com

NEVADA

StrikePoint Gold Inc. announced that recent drill results at the Cuprite Project include 362.71-374.9 meters @ 0.46 gpt Au, 10.1 gpt Ag (SKP24-01); 271.27-275.84 meters @ 0.17 gpt Au, 2.0 gpt Ag (SKP24-03); 397.76-403.86 meters @ 0.21 gpt Au, 4.1 gpt Ag (SKP24-04) and 475.49-484.63 meters @ 0.19 gpt Au, 5.9 gpt Ag (SKP24-05). *Press Release: June 4*

Nevada Copper Corp. announced that it filed for Chapter 11 bankruptcy due to the lack of obtaining any outside funding. *Press Release: June 10*

Fortitude Gold Corp. announced that recent drill results at the East Camp Douglas Project include 0-12.19 meters @ 0.97 gpt Au (ECDRC-157); 120.4-123.45 meters @ 1.08 gpt Au (ECDRC-164); 44.2-51.82 meters @ 0.97 gpt Au (ECDRC-184) and 13.72-32.01 meters @ 1.03 gpt Au (ECDRC-187). *Press Release: June 4*

Fortitude Gold Corp. announced that recent drill results at the Intrepid Project include 48.77-76.2 meters @ 1.21 gpt Au (INRC-12); 10.67-15.24 meters @ 0.64 gpt Au (INRC-15); 21.34-32.01 meters @ 0.34 gpt Au (INRC-16) and 12.19-16.76 meters @ 0.61 gpt Au (INRC-18). *Press Release: June 27*

Nevada King Gold Corp. announced that recent drill results at the Atlanta Project include 160.1-190.9 meters @ 6.14 gpt Au, 79.3 gpt Ag (AT23NS-54C); 109.8-158.5 meters @ 3.08 gpt Au, 33.2 gpt Ag (AT24NS-174B) and 103.7-138.7 meters @ 4.15 gpt Au, 47.4 gpt Ag (AT24NS-174C). (resource = 11,000,000 tonnes @ 1.3 gpt Au measured+indicated) *Press Release: June 5*

Coeur Mining Inc. announced that reserves at the Rochester Mine aggregate 464,040,000 tonnes @ 0.07 gpt Au, 13.0 gpt Ag proven+probable. (was 421,590,000 tonnes @ 0.10 gpt Au, 13.3 gpt Ag proven+probable) *2023 Annual Report*

Barrick Gold Corp.(61.5%) announced that reserves at the Carlin Open Pit Mine aggregate 105,700,000 tonnes @ 2.39 gpt Au proven+probable. (was 118,700,000 tonnes @ 2.27 gpt Au proven+probable) *2023 Annual Report*

Barrick Gold Corp.(61.5%) announced that reserves at the Carlin Underground Mine aggregate 27,642,000 tonnes @ 8.35 gpt Au proven+probable. (was 27,640,000 tonnes @ 8.79 gpt Au proven+probable) *2023 Annual Report*

Thanks Again!

To our June and July Elko BBQ Sponsors!



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Seeking to purchase: a used but fully functional modern scintillometer such as Radiation Solutions RS-125 or RS-230 or similar.

**AVAILABLE FOR RENT/HIRE:**

Various portable XRF & LIBS units (Niton, Olympus, SciAps) are available for hire, to aid your exploration programs live (without having to wait for lab results). Contact us for a quotation; prices vary depending on the rental duration and the age/value of the pXRF or LIBS unit.

These units are proven to save money and increase discoveries and are very simple to use (point & shoot).

**FOR SALE (or trade/swap for the above units +/- cash): portable XRF Unit****2nd hand portable Olympus Delta professional XRF unit available for sale or trade**

Model: DP-4000. Date of Manufacture: April 2013. Brand new tube replaced in September 2023 (cost of USD \$8865, work conducted by Olympus USA, receipt available). Included: Portable XRF unit, two batteries, stand (cost \$4000), hard case, charging stand, charger, data cable, calibration coin, spare window covers. Software includes MiningPlus & Soil Sampling.

The unit has very low hours on it & has spent most of its life in its storage box. **Price: \$18,000**

Please contact us for more details about the unit. If you live in Reno/Tahoe, you are welcome to have a play with it and see it in action.

Please contact: **Cherie Leeden**

E-mail: cherie@nvresources.com Cell: 530 563 8886

www.nvresources.com



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Donald G. Strachan
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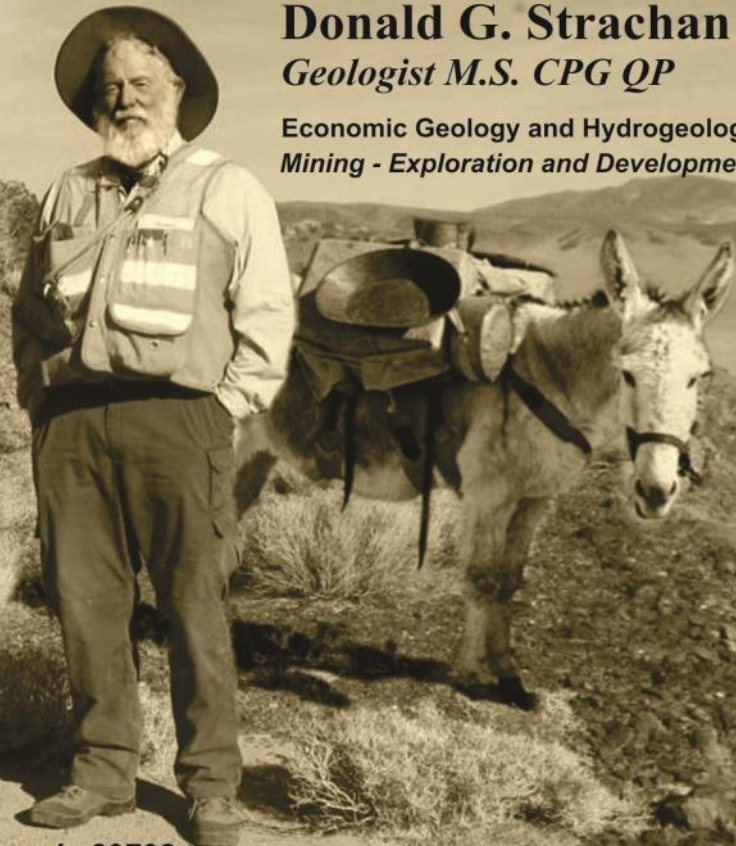
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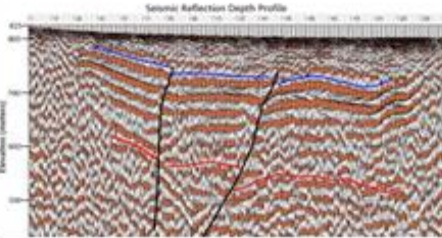


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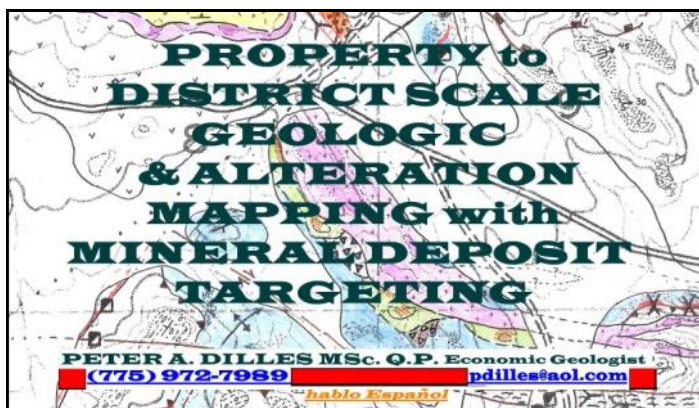
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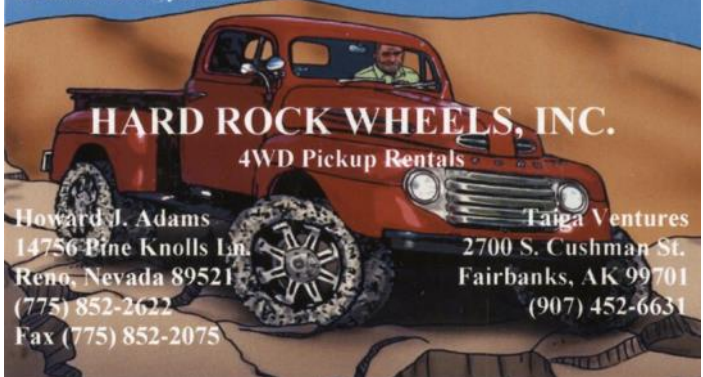
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