

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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SEPT. 13, 2023 WEDNESDAY

GSN WINNEMUCCA CHAPTER

The GSN Winnemucca Chapter meeting will be held at the Martin Hotel, 94 W. Railroad St. **SPEAKER Mark Travis, CPG, Project Manager Nuclear Fuels, Inc. TITLE: "The Kaycee Uranium Project: rebuilding an exploration model after a 40 year hiatus, pitfalls and opportunities". SPONSOR: JENTECH DRILLING SUPPLY.** For more information, please contact Chapter President, Kris Alvarez at: kalvarez@i80gold.com. Details on pg. 7.

SEPT. 15, 2023 THURSDAY

GSN REGULAR MEMBERSHIP MEETING

The GSN meeting will be held at the Atlantis Hotel & Casino. **SPEAKER: Alexander Holmwood, TITLE: "Temporal evolution of the Majuba Hill Cu-(Mo)-(Sn) deposit, Pershing County, Nevada". SPONSOR: BOART LONGYEAR.** Dinner cost is \$60. Please register for dinner online or RSVP at this link: [RSVP/ DINNER](#) Details on pg. 3. **PLEASE RSVP BY 5 PM ON MONDAY, SEPTEMBER 11TH.**

SEPT. 21, 2023 THURSDAY

GSN ELKO CHAPTER

The GSN Elko Chapter will hold their meeting at the Western Folklife Center, 501 Railroad St. Elko. **SPEAKER & TOPIC: To Be Announced. SPONSOR: TONATEC EXPLORATION, LLC.** Please contact Elko President, Luke Schranz, lukeschranz@gmail.com or VP, Sergey Konyshov sergey-606@gmail.com for more information. Details on page 8.

OCT. 7, 2023 SATURDAY

4TH ANNUAL BRIAN MORRIS TRAPSHOOT FUNDRAISER

At the Winnemucca Trap Club. See page 10 for more details.
[REGISTER HERE](#)

OCT 21-22, 2023 SAT. & SUN

GSN FALL 2023 FIELD TRIP

This trip will be touring the Buena Vista IOCGs on Saturday, over-nighting in Winnemucca, then touring the Majuba Hill Cu Porphyry. See page 9 for more information or [REGISTER HERE](#)!

GSN RENO MEETING SPONSOR



BOART LONGYEAR™

FROM THE PRESIDENT
Tony Gesualdo, GSN President 2023-2024
SEPTEMBER 2023



GSN brings people together. Geologists, consultants, prospectors, rockhounds, claim stakers, drillers, and engineers. Old and young, experience and new ideas, old friends and new connections. GSN events are a great way to get to know someone or catch up after a long field season.

On August 24th Dan Kappes hosted a successful Summer Silver Series BBQ, attended by around 150 people. Doug Silver gave an insightful and thought-provoking talk on the current issues facing today's exploration and mining industry. This spawned some comments from the crowd and many great questions. A huge thank you to Doug Silver for taking the time to entertain us, Dan Kappes for hosting, Kappes, Cassiday, and Associates for sponsoring the food, GeoTemps/GeoPros for sponsoring the wine, Respec for bringing the beer, and MRC Recruiting for providing a whiskey tasting. There were many hugs and smiles as people enjoyed the cool August evening with good company.

The Winnemucca and Elko Chapters had their August BBQ's. I heard the Winnemucca BBQ was well attended and that the Winnemucca Chapter has big plans for this upcoming year! I was also able to attend the final Elko Chapter Summer BBQ at the DLC, where I saw some folks I hadn't seen in a while and met some new faces. Thank you to Boart Longyear and ALS Minerals for sponsoring the Winnemucca BBQ; and thank you to IDS, Minnovare, SPT, and Veracio for sponsoring the final Elko Summer BBQ!

Our regular monthly meetings will start up this month. They will be held at the Atlantis in Reno on the third Friday of every month. It will be a great venue for our speakers, with great food options and solid A/V. The Atlantis recommends parking on the west side of Virginia St and taking the sky bridge. The room we are assigned may change month to month, but the ballrooms are all located in the same space on the 2nd floor. On the night of our meeting, there will be screens at the entrances noting which room we will be in. As usual, you will need to make reservations for dinner. The signup link can be found on the next page of this newsletter. There will also be chairs set up for anyone attending only for the talk.

Our September speaker will be Alex Holmwood, a recent MSc graduate of UNR. His talk will tie into the Fall Field Trip to the Majuba Hill Project and the Buena Vista District in October. Look for Alex's abstract and more information on the field trip on page 3 of this newsletter.

On a personal note, I finally started reading Mark Twain's *Roughing It*. I think it should be required reading when moving to Nevada, especially in our industry. My path to Nevada seemed just as treacherous when I towed a U-haul trailer from South Dakota and across Nevada in the middle of a blizzard with my old manual Ford Ranger. With many a good story along the way, I was laughing out loud when Twain gets to Carson City. His descriptions of the people and the place and the 'Washoe Zephyrs' and the tarantula collection gone awry. Not much has changed...

Cheers,

Tony



A common sighting this year, a deluge spot thunderstorm seen on my travels across the state. Those of us needing to maintain drill roads hope these miss our projects. August 17th, Somewhere, Nevada.

GSN wishes to thank the Winnemucca BBQ Sponsors!



AND the Elko BBQ Sponsors!



GSN MEETING in RENO—FRIDAY, SEPTEMBER 15, 2023

GUEST SPEAKER: ALEXANDER HOLMWOOD

TITLE: “Temporal evolution of the Majuba Hill Cu-(Mo)-(Sn) deposit, Pershing County, Nevada”

Sponsor: BOART LONGYEAR

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

WHERE: Atlantis Hotel & Casino, 3800 S. Virginia St., Reno

DINNER COST: \$60. Please RSVP online by 5 PM on Monday, September 11th at:
[DINNER RESERVATION](#)

Abstract:

The Majuba Hill intrusive complex of northwestern Nevada exhibits two superimposed hydrothermal mineral deposits. Quartz vein-hosted Cu-(Mo) mineralization occurring in Jurassic (~160 Ma) granodiorite was later overprinted by Oligocene (~25 Ma) subvolcanic rhyolite magmatism and related Cu-(Mo)-(Sn) mineralization.

The Jurassic hydrothermal system is characterized by early barren to molybdenite-bearing granular quartz veins and barren comb-textured quartz veins reopened by later tourmaline, calcite, and chlorite. Fractures in early veins provided pathways for tourmaline, calcite, chlorite, and later sulfide deposition. Hydrothermal Cu occurs as anhedral chalcopryite overprinting earlier veins and gangue minerals.

Oligocene hydrothermal deposition commenced with granular quartz + (molybdenite) veins and barren comb-textured quartz veins crosscutting subvolcanic rhyolites. Euhedral cassiterite + tourmaline + quartz mineralization (~25 Ma) followed and accompanied significant tourmaline + quartz + sericite + fluorite deposition and alteration of porphyritic rhyolites. Anhedral chalcopryite deposited as disseminated crystals overprinting altered K-feldspar phenocrysts and by infilling portions of open space-filling veins. Chalcopryite also crosscuts euhedral quartz-arsenopyrite veins. Subequal amounts of pyrrhotite and minor sphalerite are spatially associated with chalcopryite but precipitated earlier.

Shallow portions of the Majuba Hill deposit were affected by a supergene fluid that deposited digenite + (covellite) along the margins of hypogene chalcopryite crystals. Minor cuprite and native Cu were also observed in drill hole MHB9 but appear less common than digenite and covellite.

Paragenetic sequences from both the Jurassic and Oligocene hydrothermal systems suggest the sulfidation state of parent hydrothermal fluid(s) increased over the duration of each system. The genetic association between cassiterite, hydrothermal tourmaline + quartz, and emplacement of subvolcanic rhyolites suggests Sn endowment may be derived from a peraluminous and fractionated parent intrusion. These genetic associations are similar to those observed in Bolivian rhyolite-hosted Sn deposits. Significant hypogene and supergene hydrothermal Cu systems like those at Majuba Hill, however, are absent in the Bolivian deposits.

Bio:

Alex Holmwood grew up near Buffalo, New York and spent eight summers canoe tripping throughout Ontario and southern Québec. These many summers in remote parts of the Canadian Shield initiated his curiosity in natural sciences, and he decided to take an introductory geology course during his first semester at Hamilton College. He hasn't looked back since, and he graduated with a B.A. in Geosciences from Hamilton in 2019. He also studied abroad in Nepal and Scotland while an undergraduate, and he completed a research internship through the Lunar and Planetary Institute during the summer of 2018. Alex completed his M.Sc. in Geology from the University of Nevada, Reno in 2023, and has been working for Lahontan Gold on their Santa Fe Project since graduating.



“FACES OF GSN”

Gary Edmondo, Reno, NV

Preface

I have spent 35 years working and wandering the mountains and valleys of Nevada looking for that elusive yellow metal and working with wonderful people, geologists, drillers, assayers, and surveyors alike. It is still a fun ride and I look to have several more experiences with many of you still wandering the hills with me. It is hard to compress 35 years into a short document but I will try. Early apologies for the length.

I was born and raised in San Rafael, California, living there until going off to graduate school in 1985. My childhood was spent playing outside with my brothers and numerous neighborhood friends. Coupled with the availability of thousands of acres of open space in the hills across the street our minds were left to curiosity and the imagination and left us free to explore our interests. Sports was also one of my passions. Playing both soccer and baseball through high school and baseball into college taught me structure and the ability to push myself both mentally and physically. When I wasn't playing organized sports, or up in the hills, my friends and I played mud football and other pickup sports games. My childhood was, to say the least, idyllic.



Gary standing at the top of Rustler Pit at the South Eureka project

My curiosity in rocks and minerals was due in large part to my grandfather, a high school biology teacher with a great interest in minerals. Every visit by him was accompanied by books and or items of interest. I was always brought minerals from grandpa's native state of Maine. My favorites were large quartz and feldspar crystals, and a large piece of dark phlogopite. I wanted desperately to find those minerals in the hills by our house. I had easy access to hundreds of square miles of open space in the Northeast hills of San Rafael that shaped much of my childhood and further prodded my interest in rocks and geology. Many summer days were spent hiking and climbing over outcrops of chert and sandstone and other rocks that were a source of wonderment for me in my search for more minerals. It was only after college when I found out they came from a pegmatite, and not likely to be found in the Franciscan Formation. I knew, when applying to college, geology was going to be one of my primary fields of study.

I attended Occidental College in 1981 and then the University of the Pacific in 1983, receiving a Bachelor's of Science degree in Geology in 1985. Both schools taught hands on classical geology which meant spending many hours in labs looking at, describing, and identifying rocks and minerals both in hand sample and under a microscope. A strong focus on field work was also a must, and field trips came often. Because both schools were within hours of great geology, especially the Mother Lode Gold Belt, it was not uncommon for one day and weekend trips to look at and study geology in the field. Of course, this also meant discussing and learning about good beer at the end of the day too!!

Graduate school at the University of Alaska, Fairbanks, came immediately after my undergraduate schooling. I was studying under the advisory of Dr. Rainer Newberry. Dr Newberry taught ore deposit geology using a process driven approach (where geologic features and chemistry are explained by geologic processes). Although focused on Economic Geology (ore deposit geology) I kept Course work somewhat general by taking classes outside of the ore deposit realm. A good choice considering work on Carlin systems!

Although my desire was to find a thesis to work on in Alaska, there were few available and it cost too much without support. At that time there was very few government grants or private sector funding support for mineral exploration projects in Alaska. So, I chose a thesis in Nevada, and for good reason. At the end of my second year of grad school I married my college sweetheart – Terry. She went to Fairbanks with me for a year while I worked on the lab portion of my thesis. But she could not handle the cold and dark, so we moved to Reno in May of 1988. I completed my thesis on The Comstock Lode, graduating with a master's degree in 1991 after a couple years of working in the industry.

I had my first taste of a professional career while an undergraduate. My father, a chemical engineer and manager, worked for Chevron. One benefit accorded to employees was an internship program for their children interested in potentially working for Chevron. I took internships over 4 summers. One summer was spent transposing geologic and geophysical data into a database for future 3D work with the Alaska exploration group (petroleum). I also worked with the Bakersfield production group doing CAD drafting which helped later in my career. While I could have gone into petroleum work. I chose mining because I was more interested in doing field work, and I so enjoyed my grandfather's minerals. So, while in graduate school I worked with Chevron Resources (the company's metals group) in Reno where I spent one summer learning all about drill rigs, logging cuttings and core, and taking soil and rock samples. I also spent a second summer with a wonderful mentor (Pete Rogowski) chasing down satellite spectral signatures and doing grass roots recon work (better known as prospecting back then) in the Lida-Death Vally-Gold (cont. pg 5)

Mountains area. I learned a lot about the practice of geology with early stage exploration programs from Pete. Pete also taught a young man used to 20 below temperatures how to deal with and survive summertime triple digit temperatures while working and sleeping out of the back of a truck.

During the early years of my career, I worked as a “temporary hire”, putting in my time with Chevron and FMC Gold, finally landing a full time “temporary” position with Homestake Mining Company in 1991 at Tonkin Springs and later doing conceptual greens-field exploration. I have learned a lot from many good geologists with each and every group. Even though there are too many to mention, those experiences and the people are forever in my mind. My experiences with each group are too many to mention but there are several which have always made a significant impact on me.

In April of 1994 I went to work for an Australian firm, North Mining (part of the North Group). North was a very progressive company when it came to using technology. North challenged us from day one to use computers and other technology as tools to gain better insights and become more efficient at the grass roots and project levels of exploration. And that started the first day of hire.

When I stepped into the office on my first day of work I was handed a grey colored brick with a cylinder near the top that rotated up to 180 degrees. I asked what it was and used for. They said it is a GPS unit (Garmin 75) and you will be taking and storing all your sample coordinates in it to be downloaded to our Denver office database.

About 8 months later I was handed a boat anchor of a laptop which was loaded with Arcview 3.0 and Interdex. Both software packages were running on the first graphical version of windows. At the same time, I was also handed the job of running the Fire Creek Project. After a steep learning curve, I became adept at using ArcView that winter. Spring had come and I went to the field to map and sample the Fire Creek Property. Using the newfound technological skills, I compiled all the mapping and sampling data in Arcview and correlated the geology with the various geophysical surveys North ran over the property to target drill holes

After the first round of drilling ended, North Hired Phoebe Hauff (the Pima Lady) to help better understand the clay mineralogy using SWIR spectrometry on one of the first PIMA spectrometers. Phoebe and I zapped several hundred surface samples and well over 10,000 feet of drill cuttings and core, defining the alteration zoning pattern which aided in the discovery of a high grade deposit at depth. Phoebe and I kept in touch after, and I helped her out with mineral maps and occasional spectral interpretation throughout the remainder of her life.

I went to Goldfield after Fire Creek in 1996 to help map and run the program for North. It was here that North brought proprietary ground magnetometer survey equipment to Nevada to complete one of the first, if not the first real time continuous read ground based magnetometer survey in North America.

Goldfield was the project where all technologies learned at North were utilized. Most importantly though, the process developed by North was heavily geared toward data integration and the correlation of various data sets to create consistent geologic/geophysical interpretations. Providing the individual geologist with the ability to do more work and make better interpretations faster than what traditional “old school methods” (that I was trained in) allowed was a good sidebar.

The mid to late nineties and early 2000’s were a terrible time for geologists in the industry when North Mining closed the Reno office and let the staff go in January of 1998. Industry was shrinking and the drop in the price of gold meant a lot of companies were closing their doors, leaving many geologists looking for work. It was a difficult time, and many left the industry. Those that stayed had developed expertise or were skilled in other avenues. I became a full time consultant/contract geologist when North let the Reno staff go in 1998. I had 2 young daughters and a mortgage to pay. Family is extremely important to me and so I was scared, but grateful and thankful for the experiences at North which I believe allowed me to continue in the industry during that difficult time.

I worked a few contract positions after North, including with Homestake at Ruby Hill in 1998 where I contracted a Hantavirus infection in November of that year. If it weren’t for good doctors and the loving encouragement of my wife, I am not sure where I would be right now. It took a long time to recover from that illness. I did and kept going, but it affected me.

A few Years Later I used my GIS experiences from North to help with a program for a client.

During work for Romarco Minerals at Goldfield (again), in 1999 and early 2000 I did some part time contract GIS and database work for Placer (cont. pg. 6)



Placer Geos and others on a Pima trip to Virginia City (Gary is at far-right kneeling)

Dome under the direction of John Muntean, Andy Jackson and Dennis Geasan. John and Andy then asked me to work as a consulting geologist to do field work, focusing on new interpretations of Carlin systems and regional structural interpretations of Nevada that Placer had been working on. About one year into working with Placer a new manager came on board. To stay working I was asked by Dennis Geasan and Andy Jackson to use my GIS skills on a specific GIS project.

Placer had been working on a real time digital mapping system since 1999 based on work by The University of California, Berkely with Radu Conelea providing geologic mapping technical advice to the developers. The system was large and cumbersome. I was asked to help put together a system that was light weight and used off the shelf software to do real time field geologic mapping. We came up with two systems, one for exploration work and another for detailed work. The culmination of the program was a test at the Top Pit where Radu and I spent 3 days mapping faults and fractures to help geological engineers to monitor and better understand a potential pit failure. Radu and I took over 200 strike and dip measurements and built a full geotechnical database in the field. At the end of the 4th day the geotechnical engineers received a digital database, a digital map, and a report that they had not expected for at least a month. Cortez then bought into the systems and used them for several years to do blast-hole Mapping.

After the digital mapping project finished, I met and worked with Bill Oriel doing exploration and reconnaissance work in the Northern Simpson Parks for Placer. Bill and I hit it off and we had a great time being back in the field, using the technology I knew and helped develop.

In 1998 I had been working in the exploration industry for 10 years and while I felt accomplished, I was still learning. The industry had heavily bet on the junior exploration model to generate new discoveries. This meant project work, particularly advanced project work. While I had early and mid-stage project work through Homestake and North Mining, I did not have experience on advanced or early stage development projects.

I got that experience with Atna in 2004. I was hired by Bill Stanley, one of my former Homestake bosses, to be one of 3 principle geologists at Pinson. The other two, Vic Ridgley and Don MacKerrow were well seasoned geologists with plenty of experience on advanced projects. Each of us had our separate tasks but we all seemed to mesh together. Under Bill's direction we discovered the Ogee Zone and began drilling on 75 foot centers from underground. Atna began the process of Pre-feasibility work and engineering to hopefully begin mining. Working with the engineers opened my eyes to the true nature of what we as geologists have to provide the engineers to assess the economics of mining. Before we could get to a decision Barrick backed into the property. While I still worked for Bill afterwards at ATNA it was his role and advice, and working with engineers, that really taught me what is necessary to make a mine.

I left Atna in 2008 to manage the South Eureka Project, first for Staccato and then for Timberline Resources. Early on I hired Bill Oriel and Lucia Patterson to help with re-logging, field work, and drill support. After initial geologic modeling and resource work was completed, Timberline took control and we began drilling based on the modeling. With initial success I hired Pete, my longtime mentor, and a few additional geologists for help with core logging and mapping. We spent 7 years out there developing the current resources and had a great time doing it.

Companies come and companies go, but it is people who make the business work. Good People make it worthwhile. While working at Placer I was diagnosed with Hodgkins Lymphoma, which I believe came about as a response to the Hantavirus infection 3 years prior. Doctor's wouldn't say either way. John Muntean, Andy Jackson, and Dennis Geasan kept my illness quiet and gave me the ability to work a schedule based on what I felt I could do while undergoing treatments. That allowed me a level of comfort knowing I could still take care of my family. John, Dennis, and Andy are the kind of people that make this industry a pleasure to work in and I will be forever grateful to them. There are many geologists with such good ethics, and I have had the great pleasure to consider many as friends, and to have had the pleasure to work with many others.



Sunset over the Merger Shaft at Goldfield

While I still do consulting work, I have been blessed with a great family. My brothers and I visit often, and my wife still puts up with me. My three daughters are grown and on their own, which has left me with time on my hands when at home. With all that time I started a new hobby. Bill Oriel, Pete, and my brothers are also involved. We make wine and have enjoyed doing so for several years.

From the Italian in me,

Grazie e Saluti a tutti



Me with Bill Oriel somewhere on the recon trail.



Pete Rogowski with wine grapes ready for the crush



GSN WINNEMUCCA CHAPTER NEWS



Please join us for the
Winnemucca Chapter Meeting

Wednesday, September 13, 2023

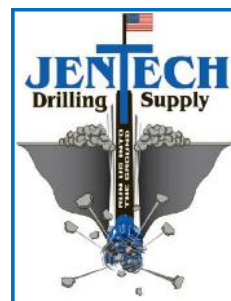
The Martin Hotel, Winnemucca

Drinks at 6 pm, Food at 6:30 pm, Talk at 7 pm

SPEAKER: Mark Travis, CPG, Project Manager Nuclear Fuels, Inc.

**TITLE: The Kaycee Uranium Project: rebuilding an exploration model
after a 40 year hiatus, pitfalls and opportunities**

FOOD & BEER SPONSOR: JENTECH DRILLING SUPPLY



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

The GSN Winnemucca Chapter had a fun and successful BBQ on August 9th at Vesco Park. Thanks again to **ALS MINERALS** and **BOART LONGYEAR** for their generous sponsorship of the event!



right solutions.
right partner.





GSN ELKO CHAPTER NEWS



Please join us for the
Elko Chapter Meeting

Thursday, September 21, 2023

Food and Drinks @ 6 p.m., Talk to begin @ 7 p.m.

WHERE: Western Folk Life Center, Elko, NV

SPEAKER & TOPIC: To Be Announced

FOOD & DRINKS SPONSORS: TONATEC EXPLORATION LLC



IT'S GSN DUES RENEWAL TIME!

DUES ARE STILL ONLY \$50/YEAR

(\$80 FOR A PAPER NEWSLETTER)

LIFETIME DUES ARE \$1,250-NEVER WORRY ABOUT PAYING AGAIN!

Thank you in advance for renewing your membership in the GSN for FY 2024! Dues are due by October 1st each year to ensure your listing in the GSN directory. You can find out your actual renewal date by going to the GSN website (<https://www.gsnv.org/membership/>) and clicking on "My Account" to login, then clicking on "Membership Details". The site gives you the option to reset your password if you don't know it. Please contact the GSN office if you don't know your user name. If your dues expire, it does not automatically take you off the email list. That happens on November 1st each year so please make sure you renew by then. THANK YOU!

MEMBER DIRECTORY ADS CAN BE PURCHASED ON THE WEBSITE HERE: [2024 DIRECTORY AD](#)

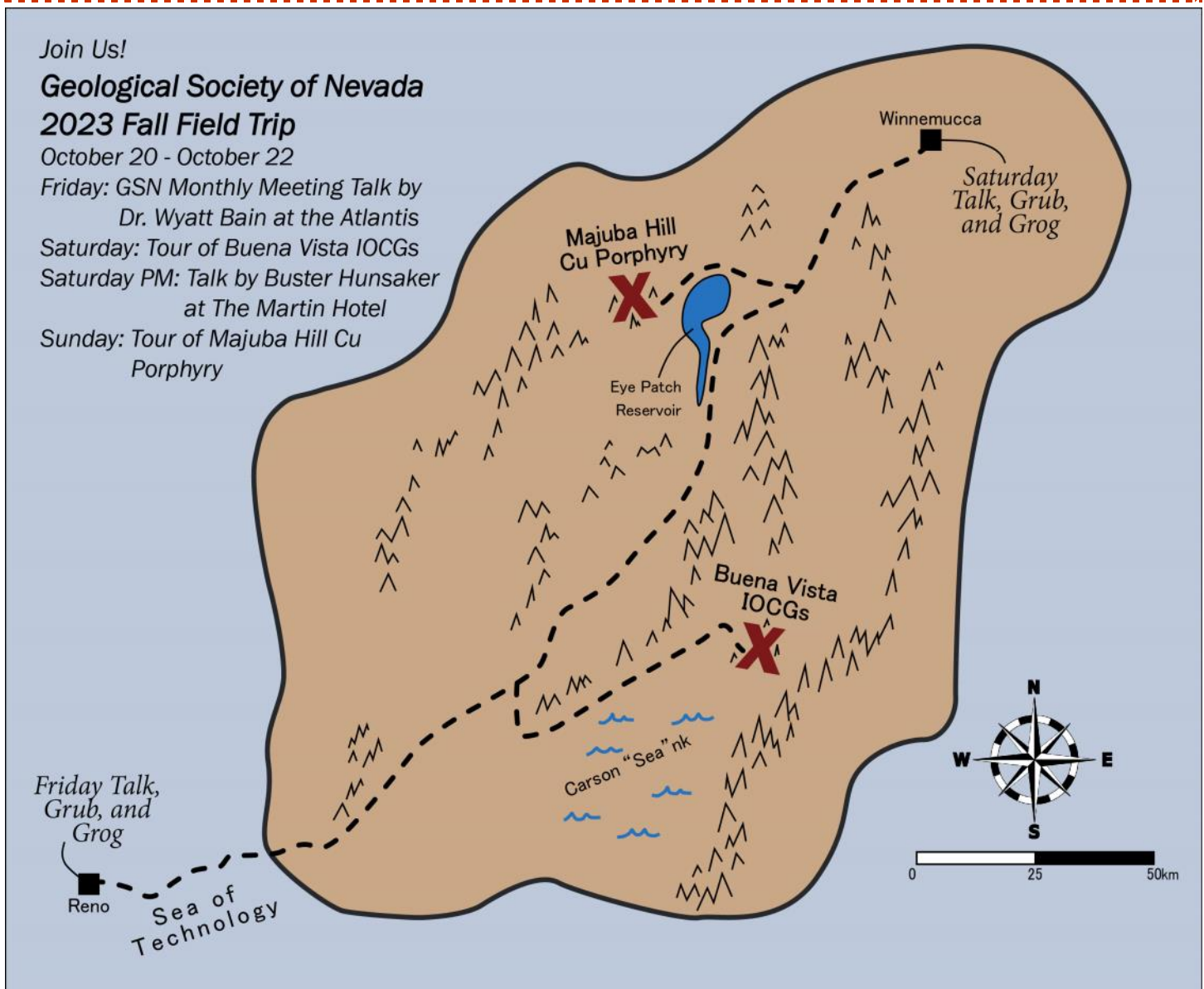
GSN Fall 2023 Field Trip DATES CHANGED!

The 2023 GSN Fall Field Trip has been re-scheduled to October 21-22, 2023! Due to the overwhelming interest by "Eclipse People" to be in Winnemucca to see the solar eclipse in Winnemucca on October 14th, we were unable to secure enough hotel rooms or dinner venues for the trip. V.P. and Field Trip Leader, Patty Capistrant is finalizing details for a great trip to Majuba Hill and the Buena Vista IOCGs. The trip will be based out of Winnemucca still! See the details below.

PLEASE REGISTER WITH A CREDIT CARD ONLINE [HERE](#)

If you need to mail a check, a form will be emailed to everyone later this month.

GSN, 2175 Raggio Pkwy., Reno NV 89512





12 GA. AMMUNITION PROVIDED

Buddy Shoot Format



Brian Morris Memorial

TRAP SHOOT

FOURTH ANNUAL

OCTOBER 7, 2023

AT THE WINNEMUCCA TRAP CLUB
5001 E SECOND STREET, WINNEMUCCA, NV

to register your team or for info
on sponsorship please email
briantrapshoot@hotmail.com



\$50 non-shooter dinner tickets available



Mining Activity Update

JULY 2023, Mike Brady

LMBrady@aol.com

NEVADA

First Majestic Silver Corp. announced that recent drill results at the Jerritt Canyon Project include 87.2-93.0 meters @ 4.07 gpt Au (SMI23-03); 25.9-50.3 meters @ 4.74 gpt Au (SMI23-04); 130.5-160.8 meters @ 3.67 gpt Au (SMI23-07) and 192.6-203.0 meters @ 4.82 gpt Au (SMI23-08). (resource = 5,207,000 tonnes @ 7.17 gpt Au measured+indicated) *Press Release: July 18*

Viva Gold Corp. announced that recent drill results at the Tonopah Project include 87.0-173.9 meters @ 1.3 gpt Au (TG2309); 72-120 meters @ 1.9 gpt Au (TG2310); 24-83 meters @ 1.9 gpt Au (TG2311) and 38-93 meters @ 1.0 gpt Au (TG2318). (resource = 16,204,000 tonnes @ 0.78 gpt Au measured+indicated) *Press Release: July 24*

Kennecott Exploration Co. announced that it terminated its interest in the New York Canyon Property of Emergent Metals Corp. *Press Release: July 5*

Timberline Resources Corp. announced that based on recent drill results at the Eureka Project, the Lookout Mountain Deposit aggregates 23,472,000 tonnes @ 0.58 gpt Au measured+indicated and 6,656,000 tonnes @ 0.37 gpt Au inferred. (was 26,254,000 tonnes @ 0.62 gpt Au measured+indicated and 10,622,000 tonnes @ 0.41 gpt Au inferred) *Press Release: July 12*

Nevada Copper Corp. announced that recent drill results at the Pumpkin Hollow Project include 89.6-92.9 meters @ 1.76% Cu, 0.13 gpt Au (NC23U-02); 75-105 meters @ 1.40% Cu, 0.14 gpt Au (NC23U-07); 135.6-146.3 meters @ 1.82% Cu, 0.29 gpt Au (NC23U-08) and 57.3-61.9 meters @ 1.32% Cu, 0.09 gpt Au (NC23U-09). (reserve = 350,636,000 tonnes @ 0.47% Cu, 0.07 gpt Au proven+probable) *Press Release: July 26*

Surge Battery Metals Inc. announced that it acquired an option to earn a 50% interest in the

M3M Property (Li) from M3 Metals Corp. for \$500,000 cash and 2,000,000 shares. *Press Release: July 26*

I-80 Gold Corp. announced that recent drill results at the Cove Project include 303.0-335.7 meters @ 14.9 gpt Au (ICHU23-10) and 306.6-329.2 meters @ 15.7 gpt Au (ICHU23-11). (resource = 1,007,000 tonnes @ 10.9 gpt Au, 29.1 gpt Ag indicated) *Press Release: July 10*

Nevada Gold Mines LLC. announced that it acquired an option to earn a 60% interest in the Carlin East Property from Ridgeline Minerals Corp. for \$4,500,000 in exploration expenditures over 5 years. *Press Release: July 17*

Nevada Gold Mines LLC. announced that it acquired the Pine Valley/JR Property from Metalla Royalty and Streaming Ltd. for \$5,000,000. *Press Release: July 11*

Contact Gold Corp. announced that recent drill results at the Green Springs Project include 100.58-108.2 meters @ 0.40 gpt Au (GS23-02); 94.49-114.3 meters @ 0.77 gpt Au (GS23-03); 83.82-123.44 meters @ 0.38 gpt Au (GS23-04) and 16.76-51.82 meters @ 1.97 gpt Au (GS23-07). (resource = 754,500 tonnes @ 2.05 gpt Au inferred) *Press Release: July 27*

Fortitude Gold Corp. announced that recent drill results at the County Line Project include 0-51.82 meters @ 0.48 gpt Au (CLRC-140); 3.05-48.77 meters @ 0.61 gpt Au (CLRC-141); 1.52-44.19 meters @ 0.70 gpt Au (CLRC-142) and 0-18.29 meters @ 0.74 gpt Au (CLRC-149). (resource = 1,202,500 tonnes @ 0.97 gpt Au measured+indicated) *Press Release: July 24*

TEST YOUR KNOWLEDGE!

Almost every geologist these days has to know something about permitting. It seems there are more acronyms than ever now!

Go ahead and give it a try to see how you do. Answers can be found on page 14 if you get stumped by any of them. I'm sure there are a lot of members who will ace it though! In my house SRP always stands for Strawberry Rhubarb Pie.



Do You Know Your Permitting Acronyms?

BLM	_____
EA	_____
SUP	_____
FPPC	_____
EIS	_____
PLSS	_____
BMP	_____
WRD	_____
SRCE	_____
CFR	_____
ROW	_____
FONSI	_____
RMP	_____
NEPA	_____
IRA	_____
RCE	_____
PHMA	_____
USFS	_____
EMP	_____
CESA	_____
NRHP	_____
NRCS	_____
FLPMA	_____
NHPA	_____
NOI	_____
WPCP	_____
LPOP	_____
SRP	_____

Score	
28/28	Permitting Guru
21/28	Still in the Know
14/28	Prefers Long-Form Writing
7/28	Barely Literate
0/28	Must Be Out Doing Field Work

Nevada Mineral Exploration Coalition (NMEC)

2023 Great Basin Rendezvous September 8th through 10th, 2023

Come join your fellow geologists, drillers, consultants, and their families at Camp Lamoille in the beautiful Ruby Mountains of Elko County for our *Eleventh* time around!!

Mark your calendars now for the 2023 Great Basin Rendezvous (GBR) being held September 8 through 10, 2023! **This year, we return to Camp Lamoille** in the beautiful, glaciated Ruby Mountains metamorphic core complex. After the devastating 2018 fire that destroyed the Whipple Lodge building and scorched the camp, the GBR was moved to the Wilson family's Royal Peacock Opal Mine in the Virgin Valley where Julie Wilson (mine owner) spoiled us for the last three years.

While the enclosed Whipple Lodge was consumed in the fire, the original stone foundation and chimney survived to support the building of the current open-air pavilion with ten tables. A restroom/shower house is newly remodeled and has three showers per side (men/women), with ADA-accessible toilets. There are plenty of camping areas for tents and there are 14 RV spaces with power and water hookups.

This year's field trips, hikes, and/or other activities are still being worked out, but we do have a commitment from the Celtic folk band Southwind to entertain us Saturday night, as in the previous three years at the Camp Lamoille GBRs. Southwind has always gotten us up kicking and clogging!

We have always had excellent support from our sponsors and contractors. This year, we are again looking for support for Friday and Saturday night dinners, Sunday morning breakfast, and rental support for the camp. All sponsors will have their logos prominently displayed at the camp. As previously mentioned, we have been spoiled the last several years by Julie Wilson and her crew cooking and serving the dinners. Since we are back at Camp Lamoille this year, the dinner sponsor will be responsible for either personally preparing the dinners (with many volunteer helpers) or finding a caterer.

STUDENTS: Thanks to sponsorship the first 10 students get free event access. Contact JoAnn Newbury (jnewbury.consulting@yahoo.com). Note: Student ID required

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

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

TO REGISTER FOR THE GREAT BASIN RENDEZVOUS:
<https://nvmecc.org/2023-great-basin-rendezvous-3>

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 contact Warren Thompson at (wftompson@frontiernet.net)

ANSWERS TO THE PERMITTING ACRONYMS QUIZ ON PAGE 12!

SRP	-	Special Recreation Permit
LPOP	-	Leach Pad Observation Port
WPCCP	-	Water Pollution Control Permit
NOI	-	Notice of Intent
NHPA	-	National Historic Preservation Act
FLPMA	-	Federal Land Policy and Management Act
NRCS	-	Natural Resource Conservation Service
NRHP	-	National Register of Historic Places
CESA	-	Cumulative Effects Study Area
EMP	-	Emergency Management Plan
USFS	-	United States Forest Service
PHMA	-	Priority Habitat Management Area
RCE	-	Reclamation Cost Estimate
IRA	-	Inventoried Roadless Area
NEPA	-	National Environmental Policy Act
RMP	-	Resource Management Plan
FONSI	-	Finding of No Significant Impact
ROW	-	Right of Way
CFR	-	Code of Federal Regulations
SRCE	-	Standardized Reclamation Cost Estimator
WRD	-	Waste Rock Dump
BMP	-	Best Management Practices
PLSS	-	Public Lands Survey System
EIS	-	Environmental Impact Statement
FPPC	-	Final Plan for Permanent Closure
SUP	-	Special Use Permit
EA	-	Environmental Assessment
BLM	-	Bureau of Land Management

Answers:



OTHER UPCOMING EVENTS

September 6-9, 2023 Nevada Mining Association Annual Conference, Harrah's, Lake Tahoe, NV. "Developing the Workforce for the Future". Register here: <https://www.nevadamining.org/members/nvma-annual-convention/>

September 7, 2023 Arizona Geological Society Speaker Series 2023 via Zoom. Speaker: Virginia McLeMore, New Mexico Bureau of Geology & Minerals. Title: Rare earth element (REE) potential and origin of the Cambrian-Ordovician carbonatites and episyenites in southern New Mexico". Time - 6:30 PM MST (zoom event opens at 6:15 PM) ZOOM Link – <https://arizona.zoom.us/j/89006049062>

September 7, 2023 Nevada Petroleum & Geothermal Society meeting, 13101 S. Virginia St., Reno, NV: Speaker: Nick Hinz from Geologica Geothermal group. Title: Basin and Range Investigations for Developing Geothermal Energy: Advances in discovery and exploration of blind geothermal resources from the BRIDGE Project. Bar opens @ 6:30 pm, Dinner @ 7:00 pm, Presentation @ 7:30 pm. click here to register: [Register Now](#)

September 16-19, 2023—AIPG 60TH ANNIVERSARY NATIONAL CONFERENCE. Join us for AIPG's 60th Anniversary Conference - Celebrating 60 years of professional geoscientists exchanging information and technology on the many facets of geoscience. Radisson Hotel Cincinnati Riverfront, 668 West 5th St, Covington, KY. **Contact:** Cathy Duran cd@aipg.org; 303-412-6205 ext 102. [REGISTER HERE](#).

October 10, 2023 NMEC Annual Meeting. SAVE THE DATE! More information and registration form can be found on their website. <https://nvmecc.org/2023-mineral-exploration-summit>

October 15-18, 2023 Geological Society of America Annual Meeting. Connects 2023. Pittsburgh, PA. Website: <https://community.geosociety.org/gsa2023/home>

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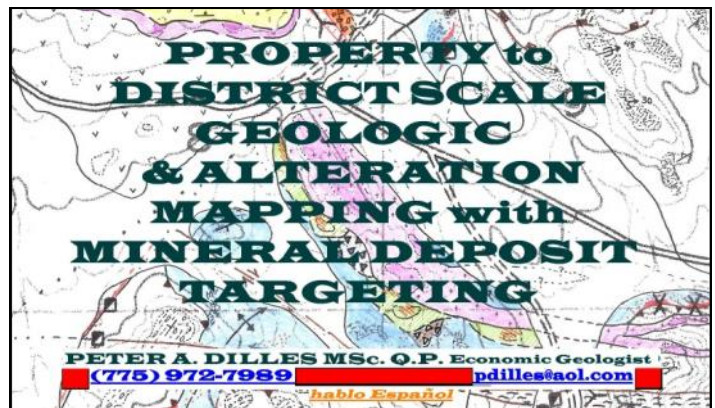
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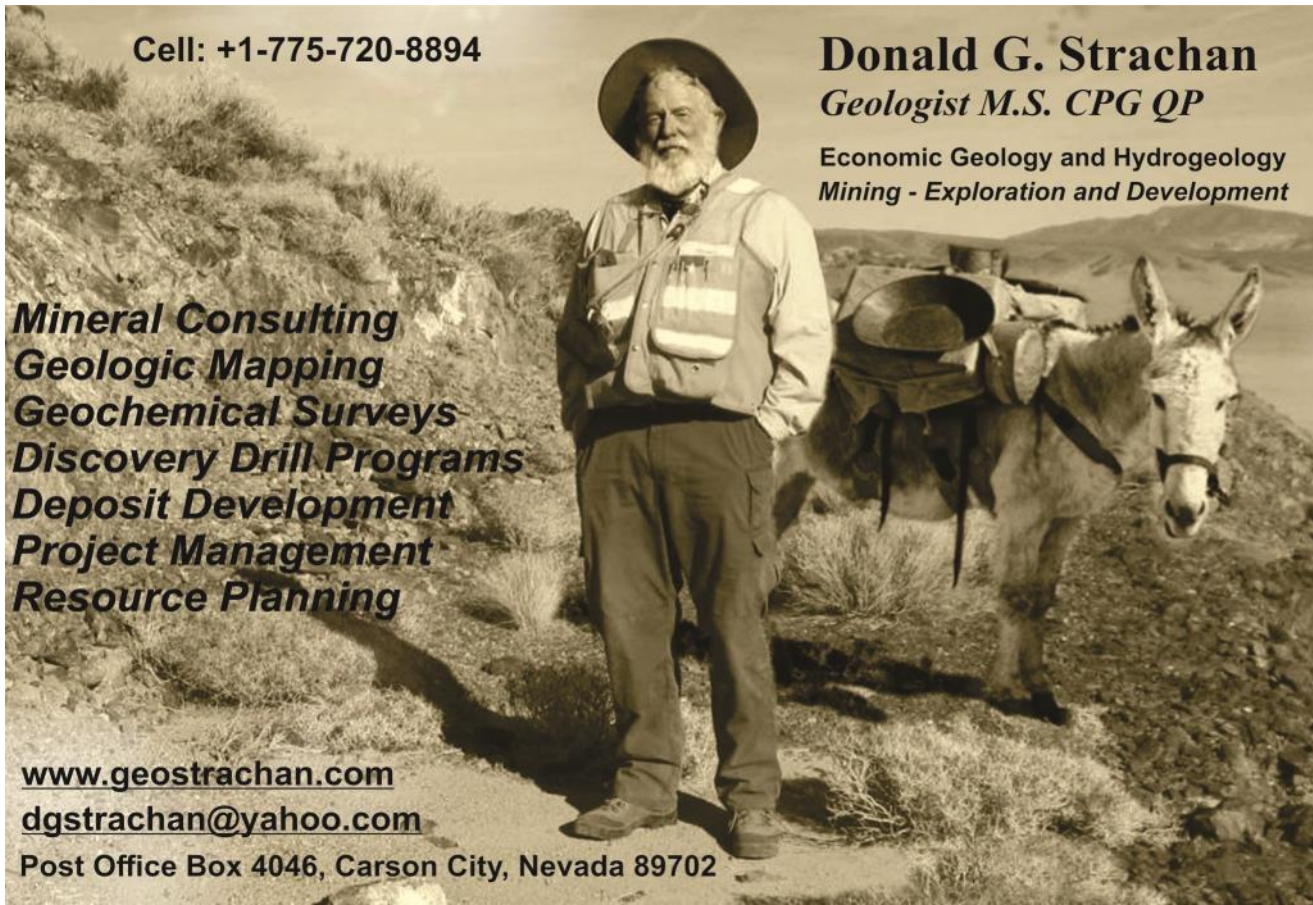
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