# 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 4 p.m. Website: <u>www.gsnv.org</u> • E-mail: <u>gsn@gsnv.org</u>



#### OCTOBER 2022 ISSUE, Vol. 38, No. 8

Published monthly except June and July

PRESIDENT Kel Buchanan OCT. 1-2, 2022 GSN FALL 2022 FIELD TRIP The participants visited the Monitor **HB Engineering Group** SAT. & SUN. Mogul District including the Zaca and Morningstar historic mines, summitcrk@aol.com the Leviathan Mine Superfund site, Travertine Hot Springs, the VICE PRESIDENT Masonic District with a stop at Pittsburg-Liberty mine workings. Tony Gesualdo Lahontan Gold Corp. OCT. 12. 2022 **GSN WINNEMUCCA CHAPTER MEETING** anthony.gesualdo@gmail.com WEDNESDAY The Winnemucca Chapter will hold their in-person meeting at the SECRETARY Martin Hotel, 94 W. Railroad St. Speaker: Mark Travis, Vice Steven Weiss Consultant, Geologist President of Exploration Nevada Silver Corp. Tisiraweiss@outlook.com tle: "Corcoran Canyon Silver Project, Northern Nye County, NV". Sponsor: JENTECH DRILLING SUPPLY. For questions, TREASURER please contact Chapter President Nancy Wolverson at: nan-Robert Kastelic McEwen Mining cyjeanw@aol.com. Details on pg. 6. bob\_kastelic@yahoo.com OCT. 20, 2022 **GSN ELKO CHAPTER MEETING MEMBERSHIP CO-CHAIRs** Melissa Boerst, Geologist THURSDAY The GSN Elko Chapter will hold their next meeting at the Western Melissa.boerst@gmail.com Folklife Center, 501 Railroad St. Speaker: Grant McKight, UNR Kaitlin Sweet, WestLand Resources *CREG Graduate Student.* Title: "Volcanic Stratigraphy and Varietal Au-Ag-Cu-Hg-S° Epithermal Deposits in the Monitorksweet@westlandresources.com **PUBLICATION CHAIR** Mogul Mining District, Alpine County, California" Sponsor: Paul Fix GEOTEMPS/GEOPROS. Please contact Elko President Justin AngloGold Ashanti Milliard: justin.b.milliard@gmail.com for more information. Details pfix@anglogoldashanti.com on page 7. **DIGITAL MEDIA CHAIR** Peter O'Byrne **Target Synthesis** OCT. 28, 2022 **GSN REGULAR MEMBERSHIP MEETING** Peter.Obyrne@outlook.com Note Change! The meeting will be held at the Hidden Valley Country Club, **GSN EXECUTIVE MANAGER 4TH FRIDAY!** Reno, NV. Guest Speaker: Scott Briscoe, Newmont Mining. Laura Ruud, gsn@gsnv.org Title: "What Does a Discovery Look Like? – A Look Through the Early Stages of Discovery and Failure". Sponsor: RUEN **GSN BOARD OF DIRECTORS** DRILLING. Dinner cost is \$50. Please register for dinner online OR send RSVPs to Laura Ruud: gsn@gsnv.org. DINNER RES-Chairman ERVATION. Details on Pq. 3. Robert Thomas **Current GSN President** Kel Buchanan Most Recent Past GSN President **GSN OCTOBER RENO MEETING SPONSOR** Patsy Moran Elko Chapter President Justin Milliard So. Nevada Chapter President Vacant

Winnemucca Chapter Co-Presidents Nancy Wolverson & Pat Donovan

Class A, 2021-2024 Robert Thomas-CHAIR John Watson

Class B, 2022-2025 David Caldwell Greg French

Class C, 2020-2023 David Shaddrick Mark Travis



#### FROM THE PRESIDENT Kel Buchanan, GSN President 2022-2023 OCTOBER 2022

I'd like to thank those GSN members who attended the September meeting at Hidden Valley CC. As members may be aware, the number of facilities that cater to professional dinner meetings in the Reno area prior to 2020 was shrinking anyway, and the impact of Covid has exacerbated the problem. While no venue is perfect, we did look at comments received from our membership over the past few years. Not being able to hear the guest speaker presentation because of poor acoustics and background noise was one. Other subjects of significance included ease of parking, safe streets on leaving the venue and quality of food. As you know, our tenure with the Elks Club ended when the club changed management several years ago, and GSN was unable to negotiate a new contract.

The monthly GSN meetings are an important component of what the GSN is all about, and your Executive Committee is striving to provide the membership with entertaining and informative guest speakers and a good venue for networking and meeting new members. We have never limited ourselves to geographic boundaries, as was the case last month with our Vancouver based speaker, Joe Mazumdar, and this month as well, with our Colorado based speaker, Scott Briscoe. GSN has over 1,400 members currently, we are growing as an organization, and we want to continue the trend.

Another component of what GSN is all about is the organization and implementation of our field trips. They're always sold out. They're always interesting. Our October fall field trip, led by GSN V.P. Tony Gesualdo, will be of interest not only to economic geologists, but also those in the remediation end of our business, as it features a visit to the Super Fund site at the former Leviathan mine.

Our October meeting will be the fourth Friday of October (October 28<sup>th</sup>), not the third Friday, due to a facility conflict. Scott Briscoe of Newmont, our guest speaker, will speak on the topic of "What Does a Discovery Look Like? – A Look Through the Early Stages of Discovery and Failure". We'll be sending out more details later in the month, but be sure to save the date in the meantime.

Kel Buchanan

GSN wishes to thank the September Reno meeting sponsor!



And thanks to our Winnemucca and Elko Chapter sponsors for Sept.!





### **GSN MEMBERSHIP MEETING – OCTOBER 28, 2022**

### Time: Drinks @ 6 pm, Dinner @ 6:30 pm, Talk @ 7:30 pm

**Sponsor:** 



#### NEW LOCATION: HIDDEN VALLEY COUNTRY CLUB 3575 E. Hidden Valley Drive, Reno, Nevada

### **DINNER COST: \$50**

ONLINE RESERVATIONS CAN BE MADE on the GSN WEBSITE by clicking this link: <u>DINNER RESERVATIONS</u>.

# **GUEST SPEAKER:**

### **SCOTT BRISCOE**

# **REGIONAL CHIEF GEOLOGIST—NORTH AMERICA NEWMONT MINING CORPORATION**

### TITLE:

### "What Does a Discovery Look Like? – A Look Through the Early Stages of Discovery and Failure".



### "FACES OF GSN" Bennett Anderson Eureka, Nevada



Hello everyone! My name is Bennett Anderson and I'm an exploration geologist based in Eureka, NV. I originally grew up on a ski mountain in Jeffersonville, Vermont. From the lush green summers to the fall foliage and to the snowy winters, I couldn't have asked for a more beautiful place to have been born in. Some of my best memories there include paddling along the reservoirs, skiing the slopes and rock climbing in the mountains. On top of this great experience, I'm fortunate to have grown up with such a supporting cast of family and friends that have helped me become who I am today.

When I graduated high school, I thought that I would go to college for mathematics, since I was always a numbers guy. However, once I took my first geology course, I realized this was what I wanted to do. I always had a passion for being in the outdoors and I always found geology to be so fascinating. I ended up graduating from St. Lawrence University in 2018 with a Bachelor

of Science in geology and a minor in mathematics.

Shortly after graduation, I accepted a job working as a logging geologist for Excellence Logging, an oil and gas company, from 2019 -2021. My responsibilities included analyzing rock cuttings, calling formation tops and casing points, monitoring/interpreting hydrocarbon gas readings, and effectively communicating with field and office personnel. In this job we would use geologic data to correlate with various drilling variables and mud properties. This was great entry level job experience, but I knew that I wanted to be challenged more as a geologist.

I decided to join the mineral exploration industry in April of 2021, and I haven't looked back. I started in this industry with Rangefront Mining Services as a contract geologist for the client Golden Lake Exploration. This project is strategically located on the Battle Mountain-Eureka trend and targeting carlin and carbonate re-



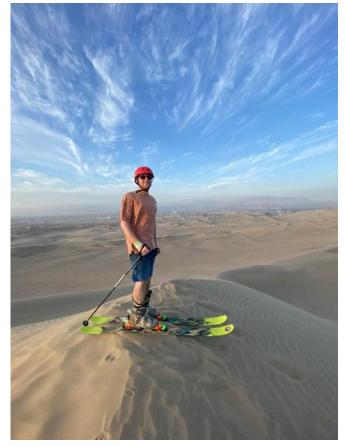
placement deposits. Immediately, I took on lots of project responsibilities including geologic field mapping, core logging, rig management, etc. Additionally, I used Leapfrog to create 3D models from historic drilling data, as well as Q-GIS to create surface maps.

Once I joined this project, I immediately knew this was where I wanted to be. This past year, I was able to work with such a great team that has really inspired and motivated me to be more as (continued on page 5)

#### Face of GSN, Bennett Anderson (cont. from page 4)

an exploration geologist. I even ended up moving from Denver, CO to live out here full-time, so I can be fully invested in this industry. Some people would say I'm crazy to move from the big city to a small town in central Nevada, but I believe this was the best decision I've made. This industry has challenged me for the better, and I find ore deposit geology to be more stimulating than any other type of geology. I've seen myself grow tremendously since entering the industry, and I'm excited to be a part of future exploration projects and continue to learn about other systems.

I'm currently working as a consulting geologist for an exploration company known as Paycore Minerals in Eureka, NV. This property is also located on the Battle Mountain-Eureka trend at the historic FAD project. We are focused on targeting carbonate replacement deposits at this location. I'm happy to be a part of this hard-working team and continue to expand my knowledge of the Eureka district. We are excited for future drilling at the project and look forward to unlocking the deposit's potential.



In my free time, I enjoy biking, hiking, traveling and many other outdoor activities. I also became engaged to my fiancée this past year who is from Peru. I've been fortunate to travel all over Peru to many unique places for the last three years. I look forward to meeting more of you at future events!

### NBMG's Nevada Geology Calendar 2023

**Author:** designed by Christina Clack, Jennifer M. Vlcan, Chip Carroon, Christopher D. Henry, James E. Faulds, and Rachel E. Micander (13 x 9.5 inches, full color)

**This 12-month calendar (January through December 2023)** is full of beautiful photos highlighting Nevada's scenic wonders and features a different geologic topic each month: Jarbidge River Pinnacles, Nevada's Volcanic Past, Red Rock Canyon, Canyons, Toiyabe Range, Cathedral Gorge, High Alpine, Black Rock Range, Critical Minerals, Muddy Mountains, Archaeology, and Snow Covered. Interesting facts about Nevada and Nevada geology are also included.

# **Preorder now through October 16** for the discounted price of \$10 for any quantity.



The price after October 16 will be \$12--or \$10 for orders of 10 or more calendars. Click here to <u>PREORDER NOW</u>!





### Meeting Date: October 12, 2022

### Meeting Location: The Martin Hotel, 94 W. Railroad St.

Meeting time: 6 pm for appetizers and beer Talk time: 7 pm

# Speaker: Mark Travis, Vice President of Exploration Nevada Silver Corp.

### Title: "Corcoran Canyon Silver Project, Northern Nye County, NV"

# Sponsor: JENTECH DRILLING SUPPLY



#### Abstract:

The Corcoran Canyon silver project is located on the Eastern-flank of the Toquima Range of Central Nevada along the Northumberland – Tonopah Gold-Silver Belt. Initial exploration of the Corcoran Canyon area began in 1970 with Echo Bay Exploration's involvement in the late 1980's. Corcoran Canyon is a low-sulfidation epithermal silver-gold deposit hosted in Tertiary felsic volcanics of the Toquima Caldera Complex (TCC). The system is hosted along a caldera margin and structural corridor in quartz-adularia-sulfide veining, stockwork, and breccia accompanied by intense quartz-sericitepyrite alteration. The TCC is a series of nested calderas, dated from 27.7 – 22.1 Ma, including the Moores Creek (27.2 Ma), Mount Jefferson (26.4 Ma), & Trail Canyon (23.6 Ma) tuffs. The Silver Reef Zone (SRZ), the primary zone of mineralization, hosted within the Corcoran Canyon Tuff, dated 28 Ma, pre-dates the TCC. The SRZ, with a current resource estimate of 40 Moz AgEq of oxide silver ores located at surface, is open laterally and at depth. The Corcoran Canyon hydrothermal alteration window consists of 12 square-kilometers across several favorable host rocks including the Corcoran Canyon & Trail Canyon tuffs as well as three types of felsic intrusive units and a megabreccia associated with the caldera collapse. The alteration window is progressively zoned inward with distal quartz-chlorite thru quartz-chlorite-sericite to intense quartz-sericite alteration proximal to mineralization. Principal control to mineralization is the margin of the Trail Canyon caldera along the Master Fault, dipping North-West, as well as other splays within the structural corridor. Age of mineralization is constrained between 27.7 – 22.1 Ma, coincident with Trail Canyon caldera activity within the TCC. Bonanza grades at Corcoran Canyon reach up to 6,769 g/t Ag and up to 8.4 g/t Au along feeder zones and intense quartzadularia-pyrite veining and stockwork. Vein mineralogy in stockwork and breccias includes pyrite and Ag-Cu-Sb-As sulfides and sulfosalts in a gangue of quartz, calcite, adularia, siderite, and barite with secondary silver mineralization of cerargyrite, native Ag, and Ag-jarosite. Other volcanic hosted deposits in the area include: Round Mountain, Gold Hill, Jefferson, Manhattan, Baxter Springs, Midway, & Tonopah. Current exploration at Corcoran Canyon looks to expand upon known resource as well as apply the same mineralization model to nearby deposits within favorable host rocks.



### **GSN ELKO CHAPTER NEWS**



We are saddened by the passing of one of the pillars of our NE NV geologic community, David Knight, owner of Carlin Trend. Though his absence leaves a hole in our GSN Chapter, his wife Debbie is proud to announce that we will be starting a separate scholarship in his honor. Please consider helping kick start this scholarship fund by making a donation via:

1) https://geological-society-of-nevada-copy.square.site/

2) mailing funds to the GSN Elko Chapter PO Box 2591, Elko, NV 89803

3) giving funds directly to Adele Berg at our monthly meetings.

We will also be hosting an annual NE NV geologic field trip to raise funds. If you have ideas or would like to volunteer to lead a trip, please contact Justin or Sergey. We anticipate these to be daytrips from Elko that will have gas and food sponsored, but attendees will be required to make a minimum donation that will go towards the scholarship fund.

The inaugural trip will be: GEOLOGIC SETTING OF THE JARBIDGE DISTRICT



(Sept 30, <u>2023</u>)

Due to the logistical difficulties of this back-road trip there will be limited seating. To reserve your spot, please make your minimum donation of \$100/attendee ASAP by contacting Justin via <u>Justin.b.milliard@gmail.com</u> or 406-529-5787. Please note on funds that you will be attending the 2023 David Knight Memorial Field Trip. Seats are already filling up by word of mouth, so do not wait!

The Elko GSN Chapter is excited to have Grant McKnight of UNR's Center for Research in Economic Geology giving the October presentation the fall season on the Monitor-Mogul mining district. Geotemps/Geopros is generously sponsoring the meeting.

# Western Folk Life Center

### Thursday, October 20th

# Food and drinks @ 6 pm and talk to begin at 7 pm. SPONSOR: GEOTEMPS/GEOPROS INC.

<u>Presenter:</u> Grant McKight, Ralph J. Roberts Center for Research in Economic Geology, University of Nevada, Reno

# Title: Volcanic Stratigraphy and Varietal Au-Ag-Cu-Hg-S° Epithermal Deposits in the Monitor-Mogul Mining District, Alpine County, California

Abstract:

The Monitor-Mogul mining district hosts diverse Au, Ag, Cu, Hg, and S° deposits in ~11-8 Ma dacite and andesite flows, intrusions, and tuffs and ~5 Ma rhyolite intrusions. These Miocene to early Pliocene (cont. on pg. 8) McKnight, Elko Abstract (cont. from page 7)

volcanic rocks, some mineralized, predominate in the western andesite assemblage of the ancestral Cascades magmatic arc and the Walker Lane. Other mining districts in this region possess similar precious metal and elemental sulfur resources to the Monitor-Mogul district. Production at Monitor totaled around 16,404 oz. Au and 728,275 oz. Ag with associated Cu, Zn, and Pb, tens of flasks of Hg, and 0.5 Mt S°. Temporal, stratigraphic, and mineralogic relationships suggest at least two periods of mineralization at ~9 and ~5 Ma. The earlier mineralization event includes the Mogul Peak Hg mine, Morning Star/Curtz and other Au-Ag-Cu mines, and likely the Leviathan S° mine. These mines typify classic high sulfidation epithermal deposits and mineralized quartz-alunite alteration cells with diverse mineralization modes including residual quartz steam-heated caps, breccia pipes, and stratiform deposits. The later mineralization event includes the Zaca Au-Ag mine and other prospects on Colorado Hill, a rhyolite plug emplaced at 4.8 Ma. Deposits associated with this intrusion align closely with low-intermediate sulfidation epithermal systems common to the western andesite assemblage and Walker Lane. These two disparate sulfidation states imply different environments of formation for the two deposit types. However, these varietal and asynchronous deposits may still be intimately related as one long-lived eruptive center with multiple pulses of mineralization similar to the Bodie Hills volcanic field of the central Walker Lane.

#### Please see the speaker's and sponsor's websites for more information

#### Center for Research in Economic Geology

CREG is a partnership between the Mackay School of Earth Sciences and Engineering, the Nevada mining industry, and the U.S. Geological Survey. These partners pool their resources to fund research that is both fundamental in understanding the genesis of mineral deposits and applicable to the discovery and production of mineral deposits. The original mutually supportive goals of the CREG program continue to be to:

1. Prepare well-educated professionals for careers in the Mining Industry and Research by exposing them to a wealth of expertise within the School, the industry, and the USGS.

2. Produce and publish high-quality research results on topics of critical interest to the Nevada mining industry.

The CREG program is a center of study and learning that is leading to a greater understanding of the geology, geochemistry, geophysics, genesis and exploration of mineral deposits, especially Nevada's famous Carlin-type gold deposits, which make the U.S. the third leading gold producer in the world. The pooled resources within CREG are mainly used to fund graduate students to complete Masters and PhD theses in the Department of Geological Sciences and Engineering at UNR. https://nbmg.unr.edu/CREG/

#### Geopros/Geotemps



Geopros, Inc, is the recruiter you call not just for personnel, but for the right personnel. We pride ourselves on finding the quality talent that will help take your company to the next level! Geopros specializes in personnel critical to Industrial, Mining and Geoscience related industries. Our clients stand to benefit from the recruitment services of Geopros, Inc. through the knowledge and sensitivity that logically comes from a recruiter specializing in geo-industrial personnel.

Geopros, Inc. services have been applied in a variety of critical ways, with confidentiality at the forefront:

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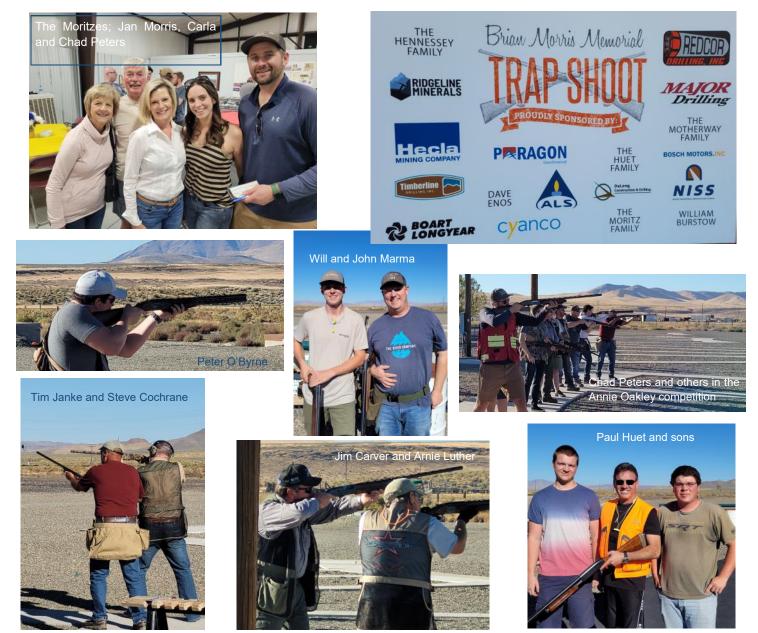
#### Founded in 1986, Geotemps, Inc. is committed to the successful recruitment and placement of industry personnel within a safe and productive Client workplace and environment.

Geotemps, Inc. is an equal opportunity employer providing temporary and temp-to-hire personnel that are vital to maintaining the robust and necessary industrial, mining, and geoscience industries. We recruit, screen, and payroll all levels of qualified personnel; from seasoned and green geotechnical and engineering professionals to skilled and unskilled labor, administration, and everything in between.

Geotemps works as a trusted advisor in partnership with clients to address short term, long term, project and ramp-up staffing needs. Based on individual property, project and company needs, Geotemps identifies and assigns the best match to fit your immediate needs, so you can focus on the work at hand, not on the process of hiring and administrating staff. <a href="http://www.geotemps.com/">http://www.geotemps.com/</a>

### 3rd Annual Brian Morris Memorial Trap Shoot Wrap Up

The third annual Brian Morris Memorial Trap Shoot again brought a bunch of GSN trap shooters together at the Winnemucca Trap Club on Sept. 24th, to raise funds in memory of our good friend Brian Morris. The friendly competition was really fun and all of the 2-buddy teams held their own against the Trap Club's ringer teams! All cash winnings were donated right back to the Brian Morris Scholarship Fund so the winners were extra generous again this year. There were some great prizes in the Silent Auction and we saw some competitive bidding going on for those prizes! The live auction included a nice shotgun and a handgun that went for well over their retail value "for the fund". The team registration fees, silent auction, live auction, plus all of the generous sponsors donations went towards the Brian Morris Scholarship! Thank you to Chad Peters and John Marma for organizing the event again this year! A big thank you also goes to all of the sponsors that made this event a success! ALS Minerals, Boart Longyear, Bosch Motors, William Burstow, Cyanco, DeLong Construction and Drilling, Dave Enos, The Hennessey Family, The Huet Family, Major Drilling, The Moritz Family, The Motherway Family, NISS, Paragon Geochemical, Redcor Drilling, Ridgeline Minerals, and Timberline Drilling.



### Mining Activity Update Mike Brady, AUGUST 2022

LMBrady@aol.com

#### NEVADA

Royal Gold Inc. announced that it acquired a 1.2% gross production royalty on the Cortez Mine and the Fourmile Project from Rio Tinto Ltd. for \$525,000,000 cash. (open pit reserve @ Cortez = 102,439,000 tonnes @ 1.68 gpt Au proven+probable) *Press Release:* August 2

Silver One Resources Inc. announced that recent drill results at the Candelaria Project include 153.92-172.21 meters @ 0.12 gpt Au, 29.5 gpt Ag (SOC22-101); 147.83-166.12 meters @ 0.14 gpt Au, 62.6 gpt Ag (SOC22 -102); 137.16-160.02 meters @ 0.19 gpt Au, 45.7 gpt Ag (SOC22-103) and 97.54-120.4 meters @ 0.16 gpt Au, 85.0 gpt Ag (SOC22-104). (resource = 12,384,000 tonnes @ 0.10 gpt Au, 110.2 gpt Ag measured+indicated) *Press Release:* August 16

First Majestic Silver Corp. announced that recent drill results at the Jerritt Canyon Project include 126.6-138.0 meters @ 5.3 gpt Au (SMILX-1067); 127.1-134.7 meters @ 9.13 gpt Au (SMILX-1068); 120.7-145.1 meters @ 8.61 gpt Au (SMILX-1069) and 93.3-106.5 meters @ 13.76 gpt Au (SMILX-1071). (resource = 5,207,000 tonnes @ 7.17 gpt Au measured+indicated) *Press Release:* August 23

P2 Gold Inc. announced that recent drill results at the Gabbs/Lucky Strike Project include 100.58-131.06 meters @ 0.34 gpt Au, 0.28% Cu (GBR-036); 118.87-134.11 meters @ 0.21 gpt Au, 0.20% Cu (GBR-038); 138.68-146.3 meters @ 0.53 gpt Au, 0.25% Cu (GBR-040) and 36.58-74.68 meters @ 0.74 gpt Au, 0.35% Cu (GBR-041). (resource = 32,600,000 tonnes @ 0.41 gpt Au, 0.26% Cu inferred) *Press Release:* August 4

I-80 Gold Corp. announced that recent drill results at the Ruby Hill Project include 312.7-324.9 meters @ 4.2 gpt Au (IRH22-01); 423.1-438.6 meters @ 9.6 gpt Au (IRH22-02); 408.6-431.7 meters @ 9.7 gpt Au (IRH22 -07) and 336.3-345.8 meters @ 7.7 gpt Au (IRH22-09). *Press Release:* August 16

I-80 Gold Corp. announced that recent underground drill results at the Granite Creek Project include 178.7-192.0 meters @ 7.5 gpt Au (IGU22-17); 144.2-147.2 meters @ 19.8 gpt Au (IGU22-24); 251-258 meters @ 7.0 gpt Au (IGU22-30) and 177.7-182.7 meters @ 26.4 gpt Au (IGU22-42). (resource = 20,460,000 tonnes @ 1.95 gpt Au measured+indicated) Press Release: August 3

Millennial Precious Metals Corp. announced that recent drill results at the Wildcat Project include 0-2-39.3 meters @ 1.26 gpt Au (WCCD-03) and 0.3-41.8 meters @ 0.93 gpt Au (WCCD-04). (resource = 60,800,000 tonnes @ 0.40 gpt Au inferred) *Press Release:* August 16

Getchell Gold Corp. announced that recent drill results at the Fondaway Canyon Project include 180.6-224.0 meters @ 2.5 gpt Au (FCG22-18). (resource = 2,050,000 tonnes @ 6.18 gpt Au indicated) *Press Release:* August 17

Contact Gold Corp. announced that recent drill results at the Green Springs Project include 15.24-56.39 meters @ 1.95 gpt Au (GS22-04) and 13.72-65.53 meters @ 0.58 gpt Au (GS22-21). (resource = 754,500 tonnes @ 2.05 gpt Au inferred) *Press Release:* August 16

Gold Springs Resources Corp. announced that recent drill results at the Gold Springs Project include 44.2-62.5 meters @ 0.55 gpt Au (E22-07); 44.2-64.0 meters @ 0.42 gpt Au (E22-08); 10.7-38.1 meters @ 0.67 gpt Au (E22-12) and 9.1-29.0 meters @ 0.60 gpt Au (E22-14). (resource = 50,555,000 tonnes @ 0.57 gpt Au measured+indicated) *Press Release:* July 29

Viva Gold Corp. announced that recent drill results at the Tonopah Project include 152-162 meters @ 0.5 gpt Au (TG2201); 163-178 meters @ 0.8 gpt Au (TG2204) and 114-119 meters @ 0.4 gpt Au (TG2206). *Press Release:* August 22

Newcrest Mining Ltd. announced that it acquired an option to earn a 65% interest in the Agate Point, Midas North and Spring Creek properties as well as the Mahogany Property in Oregon from Headwater Gold Inc. for \$145,000,000 in exploration expenditures over 6 years. *Press Release:* August 16

Calibre Mining Corp. announced that recent drill results at the Pan Project include 7.62-12.19 meters @ 1.0 gpt Au (PR22-110); 73.15-77.72 meters @ 1.93 gpt Au (PR22-111); 65.53-77.72 meters @ 0.93 gpt Au (PR22 -116) and 19.81-27.43 meters @ 0.24 gpt Au (PR22-121). (reserve = 21,320,000 tonnes @ 0.42 gpt Au proven+probable) *Press Release:* August 17

### It's Time to Renew Your Annual Dues! Click here to renew online:

### https://www.gsnv.org/my-account/

A Contraction					2023	
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#### **OBITUARIES**

### **David Cooper Knight** October 24, 1954—September 18, 2022

(Reprinted from Elko Daily Free Press, Sept. 27, 2022)

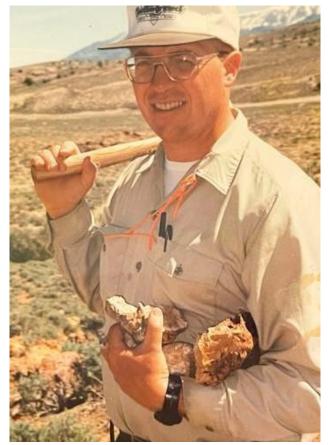
https://elkodaily.com/lifestyles/announcements/obituaries/david-cooper-knight/article f1064d54-6c41-5808-90fa-0f1afdb68a7a.html

David Cooper Knight died at home surrounded by his family September 18, 2022 in Elko, Nevada after a 16 year battle with cancer. He was born October 24, 1954 in Prescott, Arizona to Robert L. Knight and Madelon D. Knight.

He was a graduate of Prescott High School where he was an all-state linebacker and Eagle Scout. He then attended Yavapai Community College where he decided to go into geology. Dave earned a bachelor's degree in Geology at the University of Arizona and a Master's in Geology at the University of Manitoba.

He worked as an exploration geologist which took him on many memorable adventures beginning with Texas Gulf, and ending with Newmont Exploration Ltd.

In 1990 he married Debra Jane Metteer in Prescott. Five years, and two children later, David and Debra started Carlin Trend Mining Supplies and Services in Elko. The company sells geological, drafting and surveying supplies. It also provides claim staking, soil sampling, and temporary job service. They expanded the business to a larger building in downtown Elko. That's when David came up with the idea to create Rolling Rock Gallery, a unique gift store. They opened a sister company, Copper Triangle/ Rolling Rock Gallery, in downtown Superior, Arizona.



They also bought a rock quarry outside of Prescott, Arizona naming it Big Bug Sand and Gravel. David had a passion and was successful in finding gold. He has numerous gold and silver properties in Nevada, Arizona and Colorado. While his devotion to geology and his businesses had him working up until his final day, he was very active in the Prescott and Elko communities. He made time to walk his two kids to and from school everyday. After school he was a Cub Scout leader and soccer coach. His weekends were filled with traveling to soccer tournaments, refereeing local games, and teaching his kids how to stake mining claims all over the Nevada desert. Dave also loved cycling and was known for walking the family's three dogs around the neighborhood.

He leaves behind his wife, Debra; son, Samuel; daughter-in-law, Nina; grandson, Noah and daughter, Hannah.

Dave's family invites you to celebrate and remember his life with a memorial service 11:00 a.m. Saturday, October 8, 2022 at St. Paul's Episcopal Church, 777 Sage Street in Elko, Nevada.

In honor of David and his love for geology, in lieu of flowers, his family is requesting donations be made to the David Knight Memorial GSN Elko Chapter Scholarship, PO Box 2591, Elko, Nevada or donate online at: <u>https://geological-society-of-nevada-copy.square.site/</u>



### VIRTUAL FIELD K-12 FIELD TRIPS!

The Nevada Science Center in collaboration with Mr. Ralph Krauss from Edutainment Learning is proud to offer FREE Virtual Field Trips to educators and students! \***Pre-registration Required**, **see below**\*



Students K-12 can take part in two-way questions and answer scenarios from expert guest speakers. Register with links below, educators can then share the presentation during in-person instruction or by screen sharing and having students spotlight the presentation. Please plan for a half hour for the event.

### October 7, 2022 10am PST

Virtual Field Trip: Exploration in the Silver State

Tune in as Mark Travis, VP of Exploration at Nevada Silver Corp. shares his experience as an exploration geologist in Nevada! Come along virtually as Mr. Travis shares with students the workings of a Historic Silver Camp as well as how geologists discover minerals in the Silver State. Mining in Nevada dates back to 1849 with the discovery of placer gold by '49ers on their way to California. Today, new mineral resources are being discovered and developed as mining is still very important to Nevada's economy, careers, and the ability to mine a variety of mineral resources for everyday items we depend on. <u>Register Herel</u>

https://ave.zoom.us/meeting/register/tJcvdO6pqTooGd1DvFEPSZWvizQxHitG9ksZ





NEVADA MINERAL EXPLORATION COALITION 2022 ANNUAL MINERAL EXPLORATION SUMMIT OCTOBER 4, 2022 Atlantis Casino & Resort, Reno, NV



### REGISTER HERE! <u>https://nvmec.org/2022-ames</u>

#### Late Registration after Tuesday, September 27, 2022, and onsite:

Members: \$300. Nonmembers: \$400 (includes a NMEC membership through 2023) Registration includes: Continental breakfast, lunch and reception. Registration desk opens at 7:30am on Tuesday, October 4, 2022, and will be available all day.

#### Keynote Speaker: United States Congressman Mark Amodei

Current Confirmed List of Program Topics and Speakers (additional topics pending):

- NMEC Annual Report, Update and Elections NMEC President Dave Shaddrick
- Proposed Mining Law Changes Debbie Struhsaker, Principal-Environmental, Permitting and Government Relations Consultant, and Laura Grainer, Attorney/Partner at Holland & Hart LLP
- A Path Forward to Meaningful Tribal Engagement: Involving Tribes in Baseline Studies LeRoy Shingoitewa, Tribal Monitor Group Manager, WestLand Resources, Inc.
- Land The Elephant in the Room Deborah Goetz, President, LANDRES Management Consultants

Other Confirmed Presenters include (additional presenters pending):

- Lucia Patterson, GIS Specialist, Nevada Division of Minerals
- Greg Lovato, Administrator, Nevada Division of Environmental Protection
- Doug Busselman, Executive Vice President, Nevada Farm Bureau
- Lorinda Wichman, Nye County Natural Resources Office Director
- Jeanne Hermann, Washoe County Commissioner
- Carol Shank, Pershing County Commissioner

If you would like to donate to this year's Summit - use this link: https://nvmec.org/event-sponsorship-opportunities

#### October 4, 2022 NMEC Annual Meeting. SAVE THE DATE! https://nvmec.org/2022-ames

#### October 4, 2022 Arizona Geological Society Speaker Series -2022

Ramon Arrowsmith, Ph.D., Arizona State University School of Earth and Space Exploration. Title: Machine Learning, Robotic Mapping, and Particle Dynamics for Earthquake Geology.

Time - 6:30 PM MST (PT) (zoom event opens at 6:15 PM). ZOOM : <u>https://arizona.zoom.us/j/81852642507</u> Passcode AGS-2022

<u>October 6, 2022</u> Nevada Petroleum & Geothermal Society (NPGS) Kick-off dinner meeting to go over some of the new perks available to NPGS members and discuss other ways we can elevate our society. Feel free to bring a guest. Announcements and discussions are welcome, let me know if you would like to some time to speak. Someone please step forward for NPGS Vice President/ President-Elect, I know you all are busy but it's a rewarding experience and a great way to give back to the energy community. I would like to have inauguration, election, or nomination by next week. We need guest speakers! Showcase your work, your passion, and/or organization. Contact me anytime (comes with free dinner!)

Robert Hopkins, President-Nevada Petroleum & Geothermal Society Owner- Hot Drilling Products Cell: (775)315-7274, robert@hot-inc.net Register for dinner here: https://npgs.clubexpress.com/content.aspx?page\_id=4002&club\_id=595979&item\_id=1803275&event\_date\_id=255

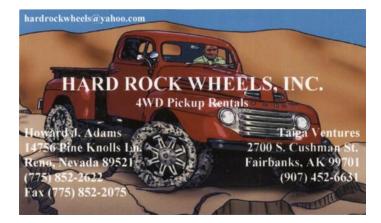
<u>October 9-12, 2022</u> Geological Society of America Annual Meeting. Connects 2022. Denver, CO. Website: <u>https://community.geosociety.org/gsa2022/home</u>

October 17, 2022 DREGS Monthly Meeting\_Speaker: Presentation Title: Social hour @ 6pm Talk @ 7pm. CSM, Berthoud Hall, 1516 Illinois St, Golden, CO 80401.

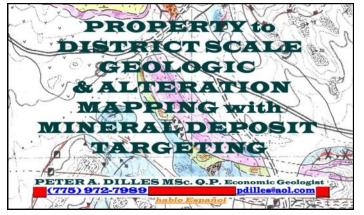


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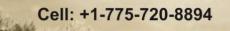
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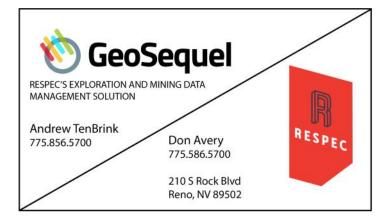
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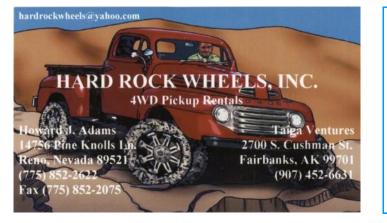


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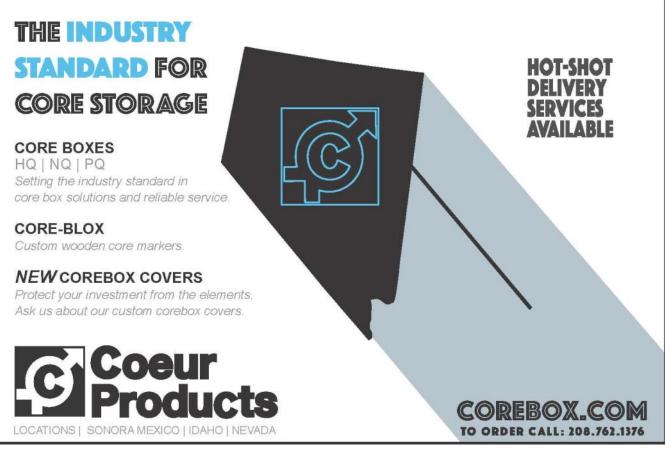


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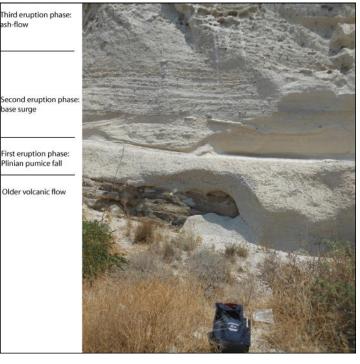
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#### **GSN TRAVELLING BACKPACK PICS**

More travelling GSN Symposium 2022 backpack photos submitted by GSN Member, Don Hudson!



A view of the water-filled Santorini caldera in Greece from the north end. The islands are resur-



The lower phases of the Minoan eruption (1613 +/- 13 years B.C.) from the Santorini caldera.