

STEVE SISOLAK

Governor

STATE OF NEVADA COMMISSION ON MINERAL RESOURCES DIVISION OF MINERALS

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COMMISSION ON MINERAL RESOURCES

Nevada Division of Minerals Capitol Building – Guinn Meeting Room 101 North Carson St., Carson City, NV 89701

Thursday, July 9, 2020

AGENDA

CALL TO ORDER

The Agenda for this meeting of the Commission on Mineral Resources has been properly posted for this date and time in accordance with NRS requirement.

ROLL CALL

PLEDGE OF ALLEGIANCE

COMMENTS BY THE GENERAL PUBLIC

Pursuant to N.R.S. 241, this time is devoted to comments by the public, if any, and discussion of those comments. No action may be taken upon a matter raised under this item on the agenda until the matter itself has been specifically included on a successive agenda and identified as an item for possible action. Public comments may be limited to 5 minutes for each person.

I. AGENDA

A. Approval of the Agenda

II. MINUTES

A. Approval of the March 19, 2020 special meeting minutes

III. NEW BUSINESS

- A. Introduction of new agency staff and position assignments
- B. <u>AML Summer Work Plan</u> The revised summer work plan for the Abandoned Mine Lands program resulting from the agency's response to the COVID-19 pandemic will be presented. Rob Ghiglieri and Sean Derby
- C. <u>The "Nevada Mineral Explorer" Interactive web application</u> The Commission approved funding of a project with the Nevada Bureau of Mines and Geology to develop a web site for "one-stop data shopping" of geology, geophysical, project and mining claims information that can be used by the public through an interactive map application. This project began last year and included members from both NBMG and NDOM.

Nigel Bain; Large-Scale Mining Robert Felder; Exploration and Development Josh Nordquist; Geothermal Resources



FOR POSSIBLE ACTION

FOR POSSIBLE ACTION

FOR DISCUSSION ONLY

FOR DISCUSSION ONLY

FOR DISCUSSION ONLY

1:00 P.M.

A demonstration of the completed application, now available on each agency web site, will be provided. Lucia Patterson

D. Impact of Monthly Oil Assessment Fees

The oil industry has seen significant impacts due to low oil prices in 2020. A fiscal analysis of the current \$0.15 per barrel monthly assessment fee on Nevada operators will be presented, along with several reduced fee rates, for review and possible consideration of a reduction of the administrative fee in NAC 522.342. Lowell Price

 E. <u>2020-2021 Budget Forecast and 2022-2023 Biennial Budget Planning</u> The biennial budget cycle has begun. An overview of the current FY20/21 biennial budget forecast and the assumptions and plans proposed for use in crafting the FY22/23 biennial budget. This will include program enhancement options for consideration and possible approval. Mike Visher

IV. OLD BUSINESS

A. NBMG Project Updates

The Commission approved funding of three projects with the Nevada Bureau of Mines and Geology in FY20. A presentation on project status and deliverables will be provided. NBMG

B. Contracted Closure Work Options

At a previous CMR meeting, the Division was directed to evaluate options to increase AML contracted work. An overview of the projects that have and could be advanced will be presented. Rob Ghiglieri

C. AME Roundup Conference Exhibit

At a previous CMR meeting, the Division was directed to attend the 2020 AME Roundup Conference in Vancouver to gather information on potential future participation as an exhibitor. A summary of the findings will be presented along with cost estimates for consideration of attendance. Mike Visher

COMMISSION BUSINESS

A. Staff reports and set date for next Commission meeting.

COMMENTS BY THE GENERAL PUBLIC

Pursuant to N.R.S. 241, this time is devoted to comments by the public, if any, and discussion of those comments. No action may be taken upon a matter raised under this item on the agenda until the matter itself has been specifically included on a successive agenda and identified as an item for possible action. All public comments will be limited to 5 minutes for each person. **ACTION WILL NOT BE TAKEN**

ADJOURNMENT

NOTICE TO PERSONS WITH DISABILITIES

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to notify the Division of Minerals, 400 W. King Street, Suite 106, Carson City, NV 89703 or contact Sherrie Nuckolls at (775) 684-7043 or Email <u>SNuckolls@minerals.nv.gov</u>

LIST OF POSTING LOCATIONS

Minerals.nv.gov (Division of Minerals Website) Notice.nv.gov (Nevada Public Notice)

FOR POSSIBLE ACTION

FOR POSSIBLE ACTION

FOR DISCUSSION ONLY

FOR POSSIBLE ACTION

FOR POSSIBLE ACTION

FOR DISCUSSION ONLY

Items on this agenda may be taken in a different order than listed. Two or more agenda items may be combined for consideration. An item may be removed from this agenda or discussion relating to an item on this agenda may be delayed at any time. Public comment is time restricted to five minutes per speaker. No comment shall be restricted based on viewpoint.

Members of the public can call in to a Teleconference Call Toll Free Dial-in Number (877) 336-1280, Access Code: 9983858.

Supporting Materials

Notice of this meeting and supporting materials are available for inspection at 400 W. King. St., Suite 106, Carson City, NV 89703 or contact Sherrie Nuckolls at (775) 684-7043 or Email <u>SNuckolls@minerals.nv.gov</u>

II. MINUTES



STATE OF NEVADA COMMISSION ON MINERAL RESOURCES DIVISION OF MINERALS

400 W. King Street, Suite 106 Carson City, Nevada 89703 (775) 684-7040 • Fax (775) 684-7052 http://minerals.nv.gov/



STEVE SISOLAK Governor

Thursday, March 19, 2020

Las Vegas Office: 2030 E. Flamingo Rd. #220, Las Vegas, NV 89119 Phone: (702) 486-4343; Fax: (702) 486-4345

Administrator 1:45 P.M.

MINUTES

CALL TO ORDER

1:50 PM by Richard DeLong

Commission	S	taff	Public
Richard DeLong		Mike Visher	Jennifer Atlas, Griffin Company - LV
Art Henderson		Sherrie Nuckolls	Sean Derby
Josh Nordquist		Anthony Walsh, DAG via	Robert Anderson
		Teleconference	
Bob Felder	via Teleconference		
Randy Griffin	via Teleconference		
Nigel Bain	via Teleconference		
Mary Korpi	(absent)		

Richard DeLong: Thanked everyone for their understanding under these interesting circumstances. Given the Governor's directive yesterday regarding social distancing, the configuration of the meeting room is such we can maintain the appropriate distance. In addition a number of the Commissioners and our Deputy Attorney General are attending by a conference call; the meeting is required to be an Open Meeting Law compliant meeting and as a result all interviewees at the Commissioner deliberation and the Commissioner's vote on the finalist have to be done in public. For each of the interviewees, you certainly can be here for the entire meeting or you can choose to just be here for your interview or something in between, however you choose. We realize this is a bit of an awkward situation with regards to job interviews; however, given Nevada's Open Meeting Law this is the practice we have to follow and I appreciate everyone's understanding of that. We'll first conduct the interviews for each of the three finalists, and it's anticipated each interview will be about 45 minutes, that's what we've scheduled, though there is nothing set in stone. Each Commissioner will have an opportunity to express and discuss our thoughts on the finalists and how they may or may not meet the qualifications as outlined in the job description. At the end of that process the Chair will entertain a motion on which finalist to hire, and to have the Chair come to an agreement on a salary with that individual.

PLEDGE OF ALLEGIANCE

Led by Richard DeLong

COMMENTS BY THE GENERAL PUBLIC

None

I.AGENDAA.Approval of the Agenda

Motion to approve the agenda made by: Art Henderson Seconded by: Josh Nordquist

Unanimously approved

Anthony Walsh: For the record can you briefly describe the location change, the circumstances and confirm if any members of the public are in attendance?

Richard DeLong: The meeting was originally scheduled for 1:00 pm at the Nevada Bureau of Mines and Geology building in Reno today; however, due to Governor Sisolak's directive and how the University interpreted that, the Bureau closed that building. We then relocated the meeting to the Division of Minerals' conference room and pushed the time from 1:00 pm to 1:45 pm to accommodate any member of the public traveling from Reno to be in attendance. In the conference room at the moment there are only the Commissioners, Division staff and interviewees. There are no other members of the public present at this time. Commissioner Delong asked if there are any members of the public on the conference call; Jennifer Atlas, with the Griffin Company based in Las Vegas commented she was on the conference call.

II. MINUTES

A. Approval of the February 6, 2020 meeting minutes

Motion to approve the agenda made by: Josh Nordquist Seconded by: Art Henderson Unanimously approved

III. INTERVIEWS FOR ADMINISTRATOR POSITION AT NEVADA DIVISION OF MINERALS

Commissioner DeLong: He stated that the commission members, Deputy Attorney General and Sherrie Nuckolls together created a list of common questions they would pull from and that Commission members may raise additional questions if they feel necessary. Our first interviewee is Sean Derby.

Sean Derby

Josh Nordquist: What specifically interests you about the position?

Sean Derby: Responded with thanking the Commission for selecting him to interview, it's a big honor for him to be here. He stated he worked in almost every rural town and in many of Nevada's mineral fields since coming here in 2006. He's gotten to know a lot of people in the rural communities, corporate leaders that work in mining; he's gotten to know Nevada really well and become to love it. It's a good opportunity because he can tie the things he knows and the people he's met with the relationships he's built on to help guide conscientious policymaking and build knowledge on dissolved minerals, lithium, oil and some other things he doesn't have much expertise in. He added it's a good point in his career to try and use the skills he's built and the connections he made.

Bob Felder: If you were hired for this position, what would your goals be within the first year?

Sean Derby: Responded that he's spent the last week scouring the website and he wants to really dive into education outreach and safety, he thinks there's a number of initiatives ongoing right now with the way the economy is, there should be corporate outreach that probably should be a focus, but the heart of what's being done here is really the work with communities, education and abandoned mine safety and safety in general. Without knowing more than about six days of research and what Mr. Perry's has made his focus, that would be his off the cuff answer.

Randy Griffin: Please explain why you've held eight jobs in the last 12 years?

Sean Derby: Stated he started out in junior mineral exploration and has spent some time as a contractor, some of the briefer jobs have been contractor jobs that didn't pan out, some have been family-oriented choices -- the State work to be closer to his daughter and that's where he's at most recently. The work history for many exploration geologists is one of moving a lot. Once he started getting comfortable at Barrack it began to feel like he needed to be home more. Having a family is really what got him motivated to be here in Carson City.

Art Henderson: What is your experience with the oil and gas industry and also what are your thoughts and opinions on hydraulic fracturing?

Sean Derby: Stated he has a very limited background professionally with hydraulic fracturing and the oil industry, his graduate degree is in economic geology with primarily focuses on precious metals and base metals. His opinion of the growth of the oil industry based in the shales in the United States in the last 20 years is that it is a necessary move to

gain energy independence and that it's been an overall good thing; that we have a limited amount of oil operations in Nevada, we have a vast state which is sparsely populated, and that it's an appropriate way to explore oil extraction. **Art Henderson**: Stated one of our major concerns with hydraulic fracturing is protection of the ground waters and that we spent a lot of time, almost two years, coming up with the regulations where our primary goal was to protect the ground waters of the state. He asked: in your experience, from what you've heard from the media, what you've heard from your professional sources: do you believe that hydraulic fracturing can be done safely? Or do you think we'll always have inherent risks?

Sean Derby: Stated with proper monitoring and with the extra expense of putting the time in doing the research on which way your injections are flowing he thinks it can be done with limited interference to the environment.

Art Henderson: I believe the new Administrator will find in a couple of years that a significant portion of your time might be dealing with either defending some regulations that we have made or providing information to others about the regulations that we have. I think it's going to be an important part of the job as it unfolds.

Sean Derby: He feels excited to be able to do that and learn about the specifics on exactly how that works but from his point of view he is ready to do that.

Nigel Bain: You've moved very quickly from job to job, some of them were from booming companies like Florida Canyon who were desperate for geologists in that area and you moved less at Barrick. What location at Barrick did you work? **Sean Derby**: Responded he worked for Barrick at their Four Mile location.

Nigel Bain: I'm concerned because you haven't been able to keep a job for very long; I'd like to hear a better explanation.

Sean Derby: Responded that he worked for EP Minerals for almost 4 years and before that he worked for a junior company based in Vancouver for about 5 years. In moving around quite a bit and focusing on junior mining he was hoping to begin to start forming a career around a company, that would have been with EP Minerals which was purchased by US Silica in around 2017, and at that time they laid off half the exploration department, his field crew and himself. Before he moved from Barrick to the State he had a short stay at Florida Canyon and he had a discussion with them about possibly being a full-time employee for them but that would have required being in Elko and he discussed that with his partner, and with her job being in Reno that wasn't going to be a possibility in terms of her goals and with his intention to be involved with his daughter's life. He started getting very comfortable at Barrick, he felt his input and time there was appreciated and he had feedback that he was doing good work, but that ultimately he wanted to choose something that was closer to home. He had already interviewed with NDOT and secured a position as a Staff Engineer and just before starting with them he received an unsolicited offer to start as a Senior Geologist with Florida Canyon. He continued that shortly after starting with Florida Canyon they received notice from their parent company, Alio, that they weren't going to get the funding they needed to complete the project he was hired for and they needed him to work on something different without much training in that regard. Without the ability to work on the initial project and without additional training they asked him to step down. Luckily the position with NDOT was still available so he was able to step right into that. You'll note there have been several short stints, working as a contractor you generally work the project then you try and find another job, keeps that job pipeline going. He's very proud that he has been able to stay gainfully employed as a young geologist pretty much since he's had his bachelor's degree.

Rich DeLong: The Division is required to work closely with the Department of Conservation and Natural Resources and to interface with the Governor's office and the legislature. What skills or experience do you have to facilitate good working relationships with other entities such as these?

Sean Derby: Stated the interplay between the geologist and the other parties involved in any exploration is always one that you have to know how to be political, how to talk to your driller, how to be able to report concisely to your superiors and the State of Nevada is no exception. Working at NDOT they worked with interagency divisions: environmental, cultural, right of way, and every day when they were looking at a new material site to go to or to evaluate for a project they would have to be in touch with any of those agencies to make sure they had permitting to go in, and they all speak a different language, and you get to know these people, be in contact with them, try to develop a rapport and then you go from there and try to use the right manners to move the ball forward. He believes his entire career has been 50/50, between the science of what he does and dealing with people.

Josh Nordquist: Summarize in your experience what level of interactions have you had with state government, agencies, regulatory, commission level.

Sean Derby: Responded with, you always have in mineral exploration your staking, that's your primary step -- so you have the county agencies to deal with, BLM to deal with, being on the phone, making sure your paperwork is all in order. That would be early on in his career. Now working with NDOT he has a better appreciation of what the gears look like to actually move projects forward. That you have high stakes contracts, 8-million dollars to widen a road and setting up each element of that has been very eye opening, and the ability to get in front of things, to inform people of what's coming and having the forethought to get the ball rolling in different areas even before they're due has been a huge part of our work. He expanded on the need to get cultural and environmental clearance years before working on a site, and the preplanning needed to move a project forward.

Josh Nordquist: Any other related exposure to state government, meetings, procedures or operations? Sean Derby: Stated this is his first deep dive into it, right here.

Bob Felder: What is your communication style, what style will you use to effectively manage staff, and what experience do you have in supervising people and management, and do you have any kind of leadership role so far and how would you take that in a new position?

Sean Derby: Responded with his first real challenge in leadership was when he was with a project geologist in Turkey and it was a cultural experience as well as a test of his leadership skills. That involved the language barrier and a cultural barrier in terms of what constituted a work day, what constituted supervision. A lot of the staff didn't believe the drill crew needed to be supervised or didn't know what an 8-hour or 10-hour work day was like. As far as his style, you need to know your audience as much as a presentation: you get to know the people you're working with, you find out where you can have common ground, and then when you're up against issues that are a challenge to the personality you find ways to bring that challenge to them in a straight forward concise manner where everyone understands the goals and sacrifices need to be made to get to them. That experience really brought that home for him and helped develop that. Since then he's worked for EP Minerals and was a Project Geologist with them and had his own crew, and when exploring for diatomaceous earth it's not like you're looking for an alteration halo, so your crew can be unsupervised for a longer period of time. He said there are challenges there too, that you have to set up expectations at the very beginning and continue to reinforce that kind of thing. If you have a relationship with your crew, a sense of respect, and an element of a personal relationship, that is very important. Wherever you go there's also an element of identity where you want to try and find some common ground with that individual, and that's always been a part of how he's tried to lead or bring people together, toward the common goal.

Bob Felder: As the Administrator of Division of Minerals you would be supervising people more experienced than you, what are your thoughts on being able to supervise people more experienced and know more than you know? **Sean Derby**: Said he's had experience working in Arizona, an extended project that lasted about two years where we had a geologist who was 65 and he was 25 and was the senior on that project. Right away he realized that individual was going to tell him (Sean) his opinion, so he (Sean) might as well listen. He gave his opinion and Sean listened, the more he listened and incorporated his ideas while not letting him control everything he was doing to move the project forward, the more he gave him feedback of where I was at, the better it was. It didn't do him any good to butt heads with him and he thinks it really enriched his abilities on that project. Even though the roles were reversed it was a mentor-mentee relationship. He said you can always find time to do that, to find time to listen and get feedback. **Randy Griffin**: What would you consider your most rewarding experience or situation in minerals?

Sean Derby: Responded with when he first started EP Minerals, they had a big "snafu" with the boundaries of their perlite resource, maybe it was because he came from precious metals it was a project he was able to step right in, they did a bunch of data analysis, modeling with Leapfrog and we got them back on track within 3 days. It was really causing them headaches, their clients to make big complaints, it was great because he had the background and the kind of push to get his ideas right in front, operations changed their planning, they were back in their ore zone pretty quickly. It was a real win for the company and brought back their operations back to status quo.

Art Henderson: This position reports to a governor-appointed board, every day the doors are open outside to the public and we've seen a lot of different people, from the State of Nevada, come through the door and we have to respect every one of them because everyone has a reason they might want to come and visit you. What is your communication style with the people that you may or may not agree with that come through the door, and what would be your communication style with the Board and how would you handle disagreements with the Board? **Sean Derby**: Stated for the public he thinks that he has a relationship with how you deal with people at large, engaging with the person, find common ground, share the information that is free to the public, and engage the person with respect. With respect to the Commission, we work for you and the public. You're experts in your field, you're helping create policy and we're the intermediary. He would share his background, share the direction the government is going and then reengage with you -- it's going to be a learning curve for him.

Nigel Bain: If you are hired for this position, what would you do within the first year and what would your goals be for long term 3-5 years?

Sean Derby: Stated he would have to see where this current crisis is going and how it will affect our industry. He would start off with public outreach, education and safety. He knows many abandoned mines that are not secured, that public outreach and education is the heart of progressing mineral resources in Nevada, that if we don't have knowledgeable people in the communities and clarity with our own public then we're falling short. His 5-year plan would continue the work with what Ms. Patterson's being doing with GIS and making data available to people, continuing to develop the website and diving more into some of the geothermal and oil, and some of our other emerging resource economies that are not as well-known with the public -- those would also be goals, to get information out about of those and focus on those.

Rich DeLong: Why do you feel you are qualified for this position and what particular knowledge, skills and abilities do you hold that would help you succeed in this position?

Sean Derby: Stated he really has a passion for bringing people together and he loves this State, he has seen the rural communities and gotten to know people who live here and if he has the passion that makes him a good candidate. Skills, background, he loves a challenge, there will be learning curves but he's ready to take those on, he thinks he will flourish; it seems like a good community to work with just here in this room.

Josh Nordquist: In relation to my previous question, what is your current understanding of what the State regulations are, how they work, how they change over time and anything related to policy and legislation.

Sean Derby: Stated the last 4 days he's been reviewing the NAC and NRS topics that go along with the Commission, his job in the next two weeks is to really dive into that. He only understands the regulations from what he's had to deal with in the field: plugging wells, filling sumps, reclamation bonds, what goes into putting a claim out and getting the paperwork back. From a policy standpoint he's in the dark, that's something he's going to be building on and digging into a lot, if he should be fortunate enough to get this position.

Bob Felder: Is there anything you'd like to add about your experience in the minerals industry and is there anything you'd like to enhance about your experience regarding to this position?

Sean Derby: Responded with he's seen how public outreach is embraced by rural communities, places like the pool in Eureka, any of the high schools in the rural communities, that these communities are so on board with what we're doing because companies like Barrick and Newmont are giving back. He just can't help but think there is more that we can do -- there's prospecting, day trips, all kinds of things. They have weekly chukar hunts when it's chukar season, kids are going out and getting involved with that, maybe we can do something like that. Being around these families has really made him passionate about the work and the prospect of getting involved with policy. He doesn't know if that's a qualification, but the exploration background in Nevada is probably his qualification, but he thinks his interest in doing more is probably more important.

Randy Griffin: In your history have you ever obtained any awards or special recognition?

Sean Derby: Stated that a lot of the companies he worked for don't really celebrate that kind of culture. When he was working in Vancouver, the junior company he was working with selected him to come to the Mackay School of Mines to complete a thesis on one of their deposits and he considers that to be quite an honor. It was a paid program and he got to get to know UNR and got to know the State better through that process. After he completed the thesis, which took two years, he was able to travel around and go to different conferences and give talks on the deposit they were developing into a mine -- he felt that was quite an honor. As far as awards, as fate would have it, he was a sophomore in undergraduate when he received the "Michael Visher Best New Student, Geology" award -- he's sure it's not the same guy.

Art Henderson: Is there anything else you want to say about oil and gas, even when the current Administrator started he wasn't a good petroleum geologist per say but he learned very quickly and has a very high level of knowledge now in both industries, is this something you think you can gain quickly?

Sean Derby: Replied he's interested in any development he can get his hands on, that's his plan for the next couple of weeks, to take a deep dive into that, that he's curious by nature and he thinks it's time to step into it regardless of if he gets the job or not.

Nigel Bain: I think I've gotten all of the answers I want.

Rich DeLong: Ok. What is the most frustrating experience you've had in your past/current career positions? **Sean Derby**: Stated the situation at Florida Canyon, they recruited him to come in, the expectations they put out and what they really needed were two different things. It was frustrating not having a clear idea of what the goals were and then have it turn into an experience of getting fired, where you're fired for nothing of what your performance was. That kind of thing can happen in junior mining where goals change rapidly, if you don't get the money you need to do the projects you have to figure another way to do it and wear many different hats and at that time he had worked for larger companies and he wasn't in the junior mindset anymore – that adaptability was the issue there and it was very frustrating.

Rich DeLong: How did you handle that conversation?

Sean Derby: He said he pointed out they recruited him and that he had passed up a different job opportunity to plan and execute this larger, advanced program. He didn't get upset, he didn't make any comments that weren't related to the issue at hand; he said he thought about it a lot and that it was frustrating and largely out of his control, that he wanted to help with.

Josh Nordquist: Any experience or exposure to the geothermal industry or geothermal operations out there? Sean Derby: There is an old geothermal well at Florida Canyon where they're not doing anything with it; he has had several calls and contacts with LinkedIn about people who were curious about it. He was only there for a short time so he passed information on, but his understanding was that was a pretty high temperature resource and that's not being used and there's probably some energy for someone if they have money to put into it. I think Florida Canyons focus is staying in the ore zone, but he has very little understanding of that. Apart from that he enjoys hot springs; he tries to visit new areas -- Pine Valley, Crescent Valley -- when he has the opportunity.

Rich DeLong: Are there any other questions from the Commission? (None) Is there anything you'd like to add? **Sean Derby**: Asked what do you think is the next biggest challenge for this commission in the next three years, next two years.

Rich DeLong: Replied with the unknown of what will come out of the next legislative session with regards to sweeps of funds, regulatory changes, particularly with fracking changes, additional fees on mining claims, things like that. A lot of that stems from the economic turmoil we're going through just before a legislative session.

Sean Derby: Are you expecting there to be an increase in mining claim fees?

Rich DeLong: I did not say that, I only said I'm worried about what the legislature might do.

Bob Felder: Our industry is always changing, it's always a concern. And beyond the legislative session, what the next administration might look like.

Rich DeLong: Thanked Sean for his time and candor, and they plan on making a decision in the public meeting.

Mike Visher

Josh Nordquist: What specifically interests you about the position?

Mike Visher: Replied the ability to continue the great progress we've made over the current administrator's time here, he thinks we've really shown that the agency provides a lot of value to the stakeholders, Legislature, Governor's office and the public. He wants to make sure we continue that and continue improving on that and he thinks he's in a good position to make sure that happens without upsetting any of the existing contacts, relationship and empowering the existing staff we have.

Bob Felder: If you were hired for this position, what would your goals be within the first year and what would your goals be for long term?

Mike Visher: Responded for the first year we're going to be responding to the current crisis we have and there's going to be a shift not only in how the agency operates, both public facing but internally as well and there's going to be a lot of challenges with that and hopefully within a few months we'll have a better sense what's going to happen next. He feels like there's going to be a cost for all of this and we're not going to be immune from it, even though we don't have any general fund money, he can see very easily that we may be tapped for some funds; the rainy day fund probably won't be

able to take care of all of the costs that are accruing already. Managing it a little differently, just responding to the crisis -- the immediate crisis, the aftermath and how we rebuild and whether that requires a change in the focus of the programs. We're fortunate we have two programs that are basically tied to continuing operations and public safety: the fluid minerals program ensures there's no energy disruptions, and the AML program is a safety program but it's going to be more geared toward accomplishments in the field. The outreach stuff is going to have to be sidelined for a while, and that may change even in the next school year -- we'll have to see how things move. After that, or even in this year we still need to go through the budget building process, so by August we're going to have to develop and submit a budget for the next two years -- that's for FY22 and FY23 -- which means looking into a very hazy crystal ball. I'm sure we will get guidance from the Governor's Finance Office, and how we manage that will be the challenge. Long term we've made some great progress that we've made with the AML program and we want to continue that, and interact and engage with our partners to make assure that we avail ourselves for opportunity for funding because we move so quickly we can get more work done in the field than the federal agencies, he thinks we'll be counting on that. He'd like to increase our exposure to the county commissions. He feels like some of them may know about us but they may not recognize some of the assets we can bring and how we can help them. He saw that when they met with Churchill County and their update for their master plan, and they had not considered the AML features in their County and the liabilities they pose, and the County's ability to react, respond and impact the securing of those. Additionally, all of the lands bills floating around from the various counties, the counties don't really understand what may be impacted in these lands bills with regards to mineral resources. We saw that before when we went through the Sagebrush Focal Area mineral withdrawals, Clark County and Washoe County reached out to us to provide information on mineral resources, and I think we do a good job at providing that, and also providing information for the impacted stakeholders to use to provide substantive comments. So, we'll continue to do that - I'm not sure what's going to happen with "FRTC" other than continue to engage with congressional leadership to help them make their decisions.

Randy Griffin: In your career did you obtain any awards or special recognition?

Mike Visher: Stated special recognition would be from the federal side on the AML program with their "Fix a Shaft Today" program. We were able to transition from analog to digital in all the incorporations we made as well as fast tracking the securing efforts by creating a new MOU between BLM, Forest Service and "SHPO" that enabled us to get all the work done in the field without having to get special approval for every fence we were going to put up and that was recognized at a national level, it wasn't directed to him personally, it was directed at the program, but as the Chief of the program he was the one that accepted the award.

Art Henderson: What is your experience with the oil and gas industry? Also, what are your thoughts and opinions on hydraulic fracturing? What was the most important part of hydraulic-fracturing regulations that we performed and what was the basis of the hydraulic-fracturing regulations that were put into place?

Mike Visher: Prior coming to the Division of Minerals he didn't have any oil and gas experience. When he came to the Division he was hired as the AML Chief, so his exposure was just in interacting with the Oil and Gas Program Manager over the years, and going out to the field learning more about actual site operations. He believes it's similar to mineralexploration rigs - higher pressure but similar. When he became Deputy Administrator he increased his education on all of that because he had to be able to sign off on oil and gas permits, geothermal permits, sundries, after reviewing them with the Program Manager, more site visits, including hydraulic fracture stimulations to understand that, but that the lion's share of the education occurred as we developed the hydraulic fracturing regulations. That required a lot of research, interacting with the IOGCC to understand what was going on in other states, learn from other states as we were required to roll out new regulations required for addressing hydraulic fracturing in the State of Nevada. That was a tumultuous time when we were transitioning from one administrator to another, we had deadlines to meet, he was fortunate that Commissioner Henderson was on board at the time and we met regularly and probably the best thing that came out of the hydraulic fracturing program was the ability to allow for continued exploration while at the same time being very protective of the resources of the State. We had some very novel approaches to that including a third string of casing to protect and isolate the exploration and extractive component of the drilling from water, but we also did something that was really innovative -- and it's much easier now where FracFocus has developed their registry -- but we're the only ones that required pre-approval of chemicals to be used in hydraulic fracturing, and no other state was doing that at the time. So this was relatively new and we did it so that we could avail ourselves of the FracFocus database, and learn how often chemicals were being used. He developed the chemical inventory list to track which

chemicals could be used and to better understand and educate both myself, the staff at the agency and the general public as to what chemicals are used, what their used for, their toxicity levels, whether they appear on the Prop 65 list for causing cancer and reproduction issues as well as the International Association of Research on Cancer lists, to make sure the chemicals that are used are not on those lists, and also the frequency of use and the concentration so that we were not on the frontline for some product to be used in Nevada that had never been used anywhere else.

Nigel Bain: At times this position is required to talk to elected officials who are going to push an agenda that's counter to the Division's mission statement which mentions minerals, oil and gas and geothermal energy, that's going to require some very skilled talking to them. Can you talk about that?

Mike Visher: Replied the biggest thing is educating those who are looking to do something counter to our mission statement -- our mission statement comes straight from statute; so, that's what the legislature told us to do. So, if they wanted us to do something else they would have to change the statutes and that would take approval of the legislative body. He thinks what's going to come forward are bills that do run counter to components of our mission statement, like another ban on oil drilling in Nevada, or hydraulic fracturing in Nevada, with the push to more renewables and he thinks what's going to happen is one on one conversations with sponsors of the bills to educate them about what the industry actually does, and make sure they understand what the actual impacts are and provide some counter information to what they may be hearing. We've seen this before, and it's important to let them know that there isn't a lot of activity in Nevada for hydraulic fracturing right now. Even if the State decided to ban hydraulic fracturing it would not prevent the BLM from permitting such activity. The BLM doesn't have the strict regulations that we do, so you'd actually be under cutting and lessening the regulations for those operations which is not what anybody would want; so, it's kind of bringing to light what those are as well as what revenue these operations bring into the State. You have both net proceeds of mines, but you also have the royalties, the taxes of these businesses and industries bring in, and we've already been doing that to this provide this Governor's office so that they know. We know that this next session they're going to be looking for more revenue where ever they can and looking to change some of the tax structure, either on net proceeds or something else. He's afraid that the current crisis that we have is going to make that stronger, they're going to be looking harder for more money. He's going to have to educate those that are in the midst of that discussion; we're fortunate that we have a really good relationship with Scott Gilles, a Senior Advisor to the Governor, and he's aware of what we do and he understands net proceeds. So we've already got a good relationship there, it's going to be with the individual legislators, but understanding you won't be able to convince someone who's not listening to rational thoughts. We can only do what we can do by getting the proper information out there and make sure that the impacted stakeholders have that same information so they can bring it to light so we're not being looked on as lobbyists. Rich DeLong: The Division is required to work closely with the Department of Conservation and Natural Resources and to interface with the Governor's office and the legislature. What skills or experience do you have to facilitate good working relationships with other entities such as these?

Mike Visher: It's been demonstrated through the last many years of regulation updates and we had to do the hydraulic fracturing, we were engaged on a very regular basis with the Department of Conservation and Natural Resources, NDEP, for their water as well as their UIC program, Water Resources, we've got a very good relationship with everyone over there and it was very much a team effort, they appreciate that, as you recall Water Resources showed up at our regulation hearing to show their support. He has really good experience dealing with the heads over there with the Bureau of Reclamation and Regulation side, especially through the Bond Pool, he regularly interacts with the Bureau Chiefs as well as the Administrator of NDEP because he was over the Bureau of Reclamation and Regulation before so he's very familiar with the bond Pool and how it worked, we provided quarterly updates to them and we're often asked to speak at the same meeting on various topics that we interact and regulate on. We provide a lot of feedback to the same stakeholders and clientele.

Josh Nordquist: Give us a summary of your exposure interactions with other levels of state government. Mike Visher: Mine Safety and Training, there is some overlap with the AML program, as well as the Annual Status and Production, so we reach out to the same groups of operators but for a different set of information. So we feed information to them, they feed information to us of operations, operators doing stuff and this is especially helpful for sand and gravel operations that aren't regulated by NDEP but they are regulated with by Mine Safety and Training. The AML side of things, the State Mine Inspector is always called when there was an AML incident, so we're usually the second agency that can get called outside of the county sheriff to help assist with those. We also interact with Department of Wildlife, so every oil and geothermal permit that comes through the application is provided to Department of Wildlife for review, and the AML program, we work very closely with the biologists to make sure that the work that we're doing is not impacting, in a negative sense, wildlife, and he's got very good relationships with several of the biologists that we continue to work with. When he came on as AML Chief they did not approve of the way mines were being closed because the primary method was just backfilling them -- covering them up -- and there wasn't any advanced thought about impacts to wildlife. He changed that, we then became part of the Bat Working Group in the state and assist with the Bat Management Plan that's published about every 10 years, and we also provide the back up and on-site safety supervision for any of the underground surveyors that the bat biologist do, the same biologists he worked with when he was the AML Chief. We interact with Department of Taxation quite a bit on the Annual Status and Production Reports we're asking the same operators information on their mineral production. We're asking slightly different questions, but Department of Taxation about every quarter will reach out to us and ask for information on what was reported from a specific operator for a certain year, and when they do their audits they will ask us for the three years they're doing audits on. Taxation, Wildlife, Mine Safety and Training, State Parks – so, we do work on State Park land and have good working relationships with a number of the rangers at State Parks, with the AML program we also reach out to the rangers for permission for our intern's to camp for free at the park as a base of operations when they're doing work in the area.

Bob Felder: With regards to your time at Division of Minerals, what was the most frustrating experience you have had in your past/current?

Mike Visher: Responded when he came on as AML Chief, the prior AML Chief was very reluctant to embrace any new technologies -- whether it was a digital camera, GPS. He had definitive ideas on how we could move the agency forward and take on and embrace these new technologies to further our work and spend less time with pencil on paper. He was forced to restrict the area in the state that he had oversight on and it was basically taking his backyard and that it was Clark County at the southern part of Nye County so that his way of doing things did not impact the rest of our accomplishments. He did that partly because he had to defer to his experience, he'd been at NDOM for quite a while, he knew the State very well, but he needed to also show why it was beneficial and he couldn't do that until we had already achieved some of the accomplishments then he could show him this is why we want to do it this way, this is why you don't have to take paper and pencil in the field anymore, this is why you don't have to take still slides in the field and risk losing them and that's your only copy of a photo that was taken in 1987, and it took some time, it wasn't a simple thing, it took many years to overcome that. He finally adopted the camera, GPS and could understand why it was nice to have digital files of all the pictures, which was certainly helpful. It was a challenge; we managed to get through it. The procedures and workflow are now the same in the north and south – it's all exactly the same.

Randy Griffin: What would you consider your most rewarding experience or situation in minerals? **Mike Visher**: Replied the most rewarding was getting the hydraulic fracturing regulation through at a time when there

were a lot of entities against us and there was a deadline for when it had to be done -- and the deadline was in the statute, and trying to get the various stakeholders and even the Sierra Club on-board with what we were doing, and Kyle Davis with the Nevada Conservation League was on-board and he was on MOAC at the time. He thinks was a huge win for the agency; that it may not have the biggest impact today, but in terms of accomplishments that was a big one and it was something that was done by a team of people: Water Resources, NDEP, Staff, and Commissioners -- that was the most rewarding accomplishment in his time at the Division. Also, being a part of the team that developed a mineral resource that actually became a mine, when he worked for Meridian Gold they developed the STORM resource, and JV'd it with Barrick, Barrick brought it forward as an underground mine and early on in the project, it was: Kent Samuelson, he was the S and the first Project Geologist; T for Nate Tewalt was another primary geologist on the project; O was for all the others because he needed a vowel; R was for Rick Rukavina, he was one of his cohorts and a consultant there; and the M was for Mike Visher.

Art Henderson: This position reports to a governor-appointed board. Every day the doors are open to the public and we've seen a lot of people come through the door. What would be your communication style with the general public, and what is your communication style with the Board, and how would you handle disagreements with the Board moving forward?

Mike Visher: Responded with his communication style is respectful, be a good listener, he wants to hear what someone has to say before he responds quickly, if they're coming to us with the question, he wants to hear what the question is, it's the same whether it's the general public or the Board or the Governor's office. He prefers one-on-one, face-to-face interaction whenever possible, he thinks you can learn more when you can read their body language and you get a sense of what is really of interest of them. Sometimes in email we can be fragmented and not quite get the message across that we'd like to, so his response would be pick up a phone call first rather than an email, although I like the efficiency of the email so being able to respond as quickly as he can. With regards to disagreements with the Board or the Commission, again, what is the issue, what is your issue? Is it with something the agency is doing, or is it something he's done, or are you looking for a resolution from him or is the issue somewhere else? Gather the facts, figure out is there a common t that we can get from all the parties, maybe not, but look for a consensus whenever possible and reach out to others for guidance including other Board members.

Nigel Bain: All of my questions have been answered.

Rich DeLong: Why do you feel you're qualified for this position and what particular knowledge, skills and abilities do you hold that would help you succeed in this position?

Mike Visher: Responded with he thinks he is uniquely qualified as he's been the Deputy Administrator for eight years. Prior to the current Administrator he was acting Administrator, until the new Administrator was appointed, so he's done some of this work before. He knows every program in the agency, he knows who they interact with, understands the money flow, probably better than anybody else. He thinks he's uniquely qualified for the Administrator position with his current experiences as Deputy Administrator and knowledge of the staff, their strengths and weaknesses and how we interact with other agencies and his experience in communicating with the current Commission.

Josh Nordquist: Summarize your understanding of Nevada State government policies, procedures and operations. **Mike Visher:** Responded with policies are set down usually from the Governor's office, but they provide latitude under each agency to fine tune it for that agency and that's left up to the agency head. It's a top-down approach, there's the statutes that sets forth by the legislature, and then the regulations that are put forth by the agencies, and then there are policies put forth by other agencies that impact your agency, and everything is online, there's a lot of manuals; you have to constantly refer back to these, because they aren't something you routinely interface with daily. Every facet of state government is already outlined in black and white somewhere, it's a matter of finding it if you're not familiar with it. He's finding that out for the first time this week because there is a Continuity of Operations Plan that is to be submitted to Emergency Management by tomorrow for examples of pandemic, earthquake, floods, how you operate your agency, alternate locations, succession, and all that kind of stuff. We were not informed of this requirement until this week so we're working on it as quickly as we can.

Bob Felder: As the Deputy Administrator, are you involved in all interactions with the Nevada State government, or did the current Administrator do it all, and will this be a learning curve for you?

Mike Visher: Replied the learning curve will be on the State Environmental Commission because the Administrator of the Division of Minerals serves as a member of the State Environmental Commission in statute. He has not performed that function before, but said like developing regulations it's largely in the details and he's fairly detailed oriented, so other than learning the processes by which they conduct business, learn more about how they function, that will be a little new. Otherwise, there really isn't anything that he hasn't been involved with that Rich Perry has done as Administrator because he was his backup. Anytime Rich is unavailable or on vacation he would have to do his job, so even during the legislative session when you have a bill that's just been introduced and you have three days to respond with your fiscal notes, he's done those, it's a very busy time during the legislative session and it's very important during those times to have an Administrator and a Deputy Administrator that can follow through on all of the requirements that are put in front of you with a short lead time.

Art Henderson: If you were selected to become the Administrator what is your immediate thought for Deputy Administrator, because Deputy Administrator appears to be a very important position here; it does a lot of work, the Administrator depends on the Deputy Administrator, so have you given any thought about being the successful candidate for Administrator and what would be your steps forward to find an appropriate Deputy Administrator? **Mike Visher:** Replied with he's thought about that a lot, a wrinkle has been thrown last week where the State instituted a hiring freeze, and so even if he was appointed the Administrator there isn't the ability to backfill his position, you have to submit a "justification to fill" form that goes to the Governor's Finance Office and it also goes to the Governor's office for review, they have to approve that before you can make the job announcement. Right now they are scrutinizing those because the impacts to cost to the state. He sees it as an essential function, and he doesn't see not having to do it without a backup. He and Rich have done a really good job at being a team and relying on each other's strengths and relying on the other to fulfill our weaknesses, so some of the things that he took on as Deputy Administrator were things Rich just assumed I did. It doesn't mean it has to be that way under the next administration. He would be looking for candidates that can do a lot of what he currently does, but he doesn't expect to find someone that can do all of those things, so it's going to depend on the strengths and skills sets the individuals have, and how they can complement not just him and his work, but the team here. We're really lucky we have a team that just gels, a lot of overachievers and hardworking self-starters, whoever comes in better be like that or they're not going to fit in.

Art Henderson: If we do not select you today as the Administrator would you continue as the Deputy Administrator and how would you feel about that?

Mike Visher: Responded with he would be disappointed, but yes, he would continue to function as the Deputy Administrator. He thinks it would be very important for the agency.

Nigel Bain: Doesn't have any additional questions.

Richard DeLong: Doesn't have any additional questions.

Josh Nordquist: Summarize your experience and knowledge with the geothermal industry.

Mike Visher: Stated he didn't know much about geothermal until he came to the Division, he's learned a lot from interacting with the Program Manager and when he was promoted to Deputy Administrator he took on the role to sign the permits and sundries and permits and in the absence of the Administrator. He found it fascinating, he's learned a lot about being able to go out in the field and do the inspections with Lowell Price, he thinks he understands it pretty well, and has a pretty good understanding of drilling in general but the specifics of geothermal are very interesting and if he doesn't fully understand something he'll certainly reach out to better understand it. In the last eight years as Deputy Administrator he's learned an awful lot. And in the development of the regulations and the feedback we got back from the operators, their comfort level, he thinks that they felt like we also understood what their role was and what their needs were and that we could find a common ground.

Bob Felder: Doesn't have any additional questions.

Randy Griffin: Doesn't have any additional questions.

Art Henderson: Doesn't have any additional questions.

Josh Nordquist: Doesn't have any additional questions.

Rich DeLong: Is there anything else you'd like to add?

Mike Visher: Stated thank you for considering me, he appreciates the support that you provided the agency and myself included in the past, if you do appoint him as the Administrator he will look forward to continuing to work with you, if you don't he will look forward to still continue to work with you, thank you for making this meeting work under extenuating circumstances, and he appreciates everyone's time and attention to these matters because this is an important thing, so thank you.

Robert Anderson

Josh Nordquist: What specifically interests you about this position?

Robert Anderson: Stated he loves the State of Nevada, he spent the last 10 years working in industry in Nevada and is looking for other avenues to help advance the resources of the State and other opportunities that allow him to be closer to his family.

Bob Felder: Why do you feel you're qualified for this position and what particular knowledge, skills and abilities do you hold that would help you succeed in this position?

Robert Anderson: Responded with he's a technical guy, he's all about data and facts in helping to make the best decisions, be it properly spending a million dollars on a project. He has an extensive background in project management: managing, multitasking, change of directives from management, varying backgrounds of personnel, varying time constraints.

Randy Griffin: In looking at your resume, you've had 5 jobs in six years; can you explain what's going on there? **Robert Anderson**: Responded through the last 10 years has been a very volatile market, his first professional job at Greens Creek Mining Company in 2006, 2007, 2008 he was able to ride out the Great Recession because he was working in a production role. He left that job due to family medical reasons, his parents were sick and he wanted to return to graduate school. The rebound in gold price in 2010, 2011, 2012 was a perfect opportunity for him to go back to school; however, as the economy got better and the price of gold dropped in 2013 they were again doing layoffs in gold. He was offered a position at Newmont Mining Corporation, and then they rescinded their offer, but he was able to maintain some contract work, working for Klondex and Kinross Gold Corporation, and then was laid off by Kinross in 2013, and was unemployed for the next seven months. He met his wife at that time and did some travelling. He then switched gears and went into oil and gas, specifically barite, as Halliburton was ramping up operations and construction of the Dunphy Mill, and then the price of oil cratered. He started working when oil was \$109 a barrel of oil, and when he was laid off it was \$26. He then worked with Newmont Mining Corporation doing some consulting work. He also worked at a number of different operations before being offered full-time employment in May 2017 with Newmont. The Goldcorp merger was announced, which was a positive thing, then the Barrick-Newmont merger was announced, and after that, working in exploration, it was a very trying time, so he took the opportunity to work at Coeur Mining. That operation was not an ideal fit, he and management had differing philosophies and they decided to part ways. In addition, he missed out on a lot of his children's lives, so he wants to be home, closer to them.

Art Henderson: Please tell us about your expertise in oil and gas especially with hydraulic fracturing and what's your understanding why we had to make hydraulic fracturing regulations.

Robert Anderson: Responded with as stated his background in oil and gas was in barite, so it was on the mining side of things, he doesn't have a background in oil and gas, and he's spent his entire career working the minerals industry. As far as regulations needed for fracking, anything that is going to impact ground water, and anything that is new or changing especially in the State of Nevada, there are advancements being made as people learn more. There are three producing fields in Nevada; it's a smaller portion of the industry, relatively. He's done research in the last couple of weeks, he said he could talk more on that but his background is in mining.

Nigel Bain: You commented you did some research on oil and gas on NDOM's website; would you like to talk about that?

Robert Anderson: Stated he's done a lot of looking over the Division's website, it's structured very well, it's easy to find information, he's also done a lot of research through the Nevada Bureau of Mines and Geology, working in industry that's usually one of his "go-to" sites when it comes to a topic he's not familiar with when it regards to geology within the State of Nevada.

Nigel Bain: Do you know any parts of the Division's mission statement?

Robert Anderson: Responded with the Division of Minerals mission statement ultimately is to do what is best and right for the State of Nevada and the citizens of Nevada with regards to oversight of the abandoned mine lands, dissolved mineral leases, the bonds department, regulating and oversight of the geothermal industry, the oil and gas industry, mining, and education and outreach.

Rich DeLong: The Division is required to work closely with the Department of Conservation and Natural Resources and to interface with the Governor's office and the legislature. What skills or experience do you have to facilitate good working relationships with other entities such as these?

Robert Anderson: Responded with he considers himself to be a personable individual and can talk to just about anybody, he has maintained all of his industry contacts, volunteering through the Geological Society of Nevada, Society of Economic Geology, people in my past and previous professors, universities, UNR, members of the Bureau, both current and retired. He's a data guy, a technical guy so he'll research these before he goes into something, there's so much more that the Division does that he doesn't have a background in and he would need to research those and actually seek out members both within that department and other departments that can help him come to the best discussions for that and interacting with these people and having that information prior to going into those meetings. Documenting, tracking, he lives out of spreadsheets on referencing this material on individual projects he's working in exploration and mining and whatnot.

Josh Nordquist: Summarize in your experience what level of interactions have you had with Nevada State government, agencies, or anything else.

Robert Anderson: Responded with he's always been able to fall back on someone who is a permitting specialist. The bigger companies have entire departments that do that. When he worked for Haliburton his permit specialist was overwhelmed, and they did a lot of work, and he helped with NOIs, EA, Rossi EIS, Forest Service in Monitor Valley, the

BLM with NOIs in the Shoshone Range, and our EIS up at Rossi. A lot of interactions have been funneled through the permitting specialist for that, but always providing them with the information they need and trying to see ahead of what things are going to come up, what is going to slow down the drill program down, what issues are we missing, where can he provide additional information to them so when they're with the regulators and the various government entities they have the information they need going into that meeting.

Bob Felder: As an Administrator for the Division of Minerals you would be supervising a staff of 10 other people, many of which have a lot of experience. Has your experience to date provided any supervisory experience or formal training on leadership or management?

Robert Anderson: Responded with when he was at Coeur Rochester he supervised a staff of four, prior to that on any project you're supervising your third party contractors, trying to maintain all the different pieces that are constantly moving and changing. He supervised numerous core technicians, spent a fair amount of time inside the core shed and working with managing people with different backgrounds. You assume your staff knows what they're doing and your job is to allow them to do what they do to best meet the mission.

Bob Felder: Can you elaborate more on being in situations where you were in charge of people, what have you learned, what kind of technique do you use, what is your vision on getting people to do what you want them to do and be happy about it?

Robert Anderson: Responded with you need them excited about the work, you need them to know you're there to listen to them, their input is valuable. He stated he supervised someone who was his previous boss at a project in Battle Mountain who had 30-40 years of experience and responsible for major ore discoveries, they know geology in and out, you let them do what they do, you fall back on that, as far as his last job at Rochester he was working with a lot of not as experienced staff and you've got to get everybody excited about what the work is, you need to convey everybody as far as what the goals and the objectives are, to come up with how you're going to meet those tasks and to leave room open for input so everybody feels they're part of a team, that their work is valid – that they're putting in long days and weeks and if they're not happy then you're not going to get the job done, and to always have an open line of communication. **Randy Griffin**: In your career, or in college, did you obtain any awards or special recognition?

Robert Anderson: Responded with when he was an undergraduate at the University of Georgia, he took an economic geology class and went to field school and was recognized and given the position of Student Body Representative through the geology department, he has a rock hammer they engraved his name on it, he was recognized through SEG and able to participate in a student-funded fieldtrip, most recently he was nominated for President of the Geological Society of Nevada, Winnemucca Chapter.

Art Henderson: This position reports to a governor-appointed board, every day the doors are open to the public and we've seen a lot of people come through the door and we have to respect every one of them because everyone has a reason they might want to come and visit you. How would you relate with the people that may come through the door, and what would be your communication style with the Board, and how would you handle disagreements with the Board?

Robert Anderson: Replied that with the general public everybody needs to be recognized, on exploration projects you always run into members of the public and you take the time to interact with them. This is a State department for the people, so anybody that comes through that door, you need to listen, and there are people of varied backgrounds, and you need to take note, thank them and follow up. As far as interacting with the Commission, you're busy individuals, he needs to have his information pulled together, summarized before he bothers the Commissioners so that he is familiar with the problem we're going to talk and discuss. It's ultimately the Governor's vision for the State, and I need to report to you and confer and go from there.

Nigel Bain: What is the most frustrating experience you have had in your past career?

Robert Anderson: Responded with it was Thursday at 4:00 pm and he ready to go home from the Rossi operation, the office was 45 minutes south of the actual active pit and he had an ongoing drill program, he receives a phone call that a drill rig's on fire and it's brought to his attention that it's a joke and he didn't realize it. He called and looked into it and indeed his drill rig is on fire, so he's running around trying to grab his safety representative that he can't find because she was on her way home, so he gets her back, they head up to the mine and his management didn't go up there, he went up and dealt with the situation. It wasn't until 1:00 am that he actually saw the face of a manager, he took it as a compliment that he was capable of handling the situation but this was a pretty severe thing, MSHA was inside, issued a

103(j)order, the operation was shut down, they could have had massive wildfires, everything there is contract mined, they coordinated with Barrick as far as having their fire crews come out and put out the fire and he didn't get the sense of urgency that he felt he should have gotten from his managers, and with regards to a safety situation, it was very frustrating.

Nigel Bain: Did you have an emergency plan?

Robert Anderson: Responded with they did have an emergency plan, they learned some things from this emergency plan, they were required to have one radio on site, the radio was in the pickup truck that had gone to get fuel, so the drillers didn't have a radio and were in a no-call zone so they weren't able to get the quickest response that they really needed. That's a lesson he's taken since then on all other projects, to not repeat that same mistake twice. They had protocols in place but the sense of urgency from his managers was not there. You expect those above you to have the sense of urgency you have.

Rich Delong: If you are hired for this position, what would you do in the first year and what would your goals be in the long term, 3-5 years?

Robert Anderson: Responded with the first thing he would do is continue his research and get more involved with things outside of the mining sector so that he is as familiar, for all pieces of information, that he could be for that. He looked through the minutes of the previous meetings and one of things that was mentioned for geothermal, we're second in the United States behind California, but a lot of the work that Jim Faulds and the Bureau did, Jim was a Professor of his, he's followed a lot of the work that Jim has done with the Department of Energy grant and looking at some of these blind geothermal systems, he thinks that would be an obtainable goal, would be to look more into that research that's been done, try and advance the geothermal exploration potential here. Lucia's done an awesome job on the GIS compilation, the Bureau has a wealth of information and combining all of that, he's heard some of the provinces in Canada where there's drill related data to have access to. In larger companies it's entrenched that it's an unsurmountable thing. He doesn't know if there's a way to incentivize that, maybe reaching out to the BLM and see if when you come off of an NOI and you provide your drill data that maybe on a future NOI you can have more than the original five acres, and that's a federal thing but to look into that. He's looked into that, like on projects where five acres is your access road in, maybe there's a way to incentivize that, to look into that. Continue the education and outreach, he's a mining guy with an exploration background, and so much of the state doesn't realize the importance of that, it's huge in Elko, Eureka County, Pershing, now Lyon, in the metropolitan area it's not so much to do interacting with the high school students, middle school students, what you see at the airport display and discovery museum, continuing that -- getting the public to know about mining, geothermal resources, the work that's going on with lithium and how that ties in directly to not just mining but into the other industries in the State, like with the Tesla Gigafactory. Josh Nordquist: Summarize your understanding of Nevada State government policies, procedures and operations. **Robert Anderson**: Responded with that is not his strong point, it's not his background, he would need to look into what the different statutes are and make sure he was as familiar with things as he could possibly be.

Bob Felder: What is the most rewarding experience you've had in your past career in the mineral industry? **Robert Anderson**: Responded with his first job, if his parents hadn't gotten sick he would still be at Greens Creek Mining Company in Alaska. He lived at the camp for nine months, worked with good geologists, it's an amazing deposit. The neatest thing about that experience was that he had the opportunity to work as a Mine Geologist and any given day you were making a quarter-of-a-million dollar worth of decisions, you're looking at safety issues, geotechnical issues and you're interacting with guys, with the average age of a miner was 50 years old and they had worked at that mine for 15 years and here he is, this young kid out of school and tasks with this direction and working with these individuals, it was a very dynamic group that we were working with, the level of responsibility just felt right, it was awesome. That job was my most rewarding experience.

Randy Griffin: Didn't have any further questions.

Art Henderson: Didn't have any further questions.

Nigel Bain: Didn't have any further questions.

Rich DeLong: Didn't have any further questions.

Josh Nordquist: Summarize your exposure and experience with the geothermal industry.

Robert Anderson: Responded with he took a number of courses when he was going through grad school at UNR, he had the opportunity to go on a field trip to look at Fly Geyser back when no one was allowed across the fence, a couple of

courses working with Jim Faulds and his work there, he's an avid hot spring guy, he's been at every one in the Great Basin and the east side of the Sierras. His master's research was in low-sulfidation gold mineralization, Miocene systems, Sandman, Sleeper, Gold Banks, Klondex, etc., and most recently one of the most informative things was when Robin Zuza from Ormat came out to the GSN chapter in Winnemucca about the industry itself, he found it eye opening, and then some case study comparisons to the hotter systems, the cooler systems, and it was a really good presentation. **Rich DeLong**: Do you Commissioners have any other questions? (None) Do you have anything else to add? **Robert Anderson**: Responded with it's an honor to have the opportunity to interview and to discuss before this panel, he appreciates the Commission meeting, especially given the situation as it is right now, it stresses the importance of the Division of Minerals with the regards to the business of the State of Nevada. He thanked everyone for being here today. **Richard DeLong**: Stated he appreciated him interviewing today and accommodating on the change in venue, etc.

IV. DISCUSSION OF INTERVIEWS

Action Item

Rich DeLong: Stated we have three very good people, they've got some good skills, though he will say there is definitely a differential between Sean and Robby vs. Mike. It particularly came through how they responded to the questions, both Sean and Robby gave very technical answers that related to their understanding of geology, the minerals industry, whereas Mike's answers tended to be more about the processes and the Division and how the Division functions. It came through in quite of few of the answers, Mike's answers were much more, in my mind, focused on the Division and the way they function where as we asked specific questions the other two about that, they were more about technical approach.

Josh Nordquist: Agreed with Rich DeLong, because of Mike's intimate knowledge about how the Division works, I think that was obvious. It certainly felt like there was a lot of preparation, research. Mike is already mentally prepared for this interview, Robby definitely made it seem he'd done a lot of research on the industries and how the Division works, I think there's a definite distinction of level of preparation for the interview as well.

Bob Felder: I wanted to stick up for Robby and Sean in regards to their resumes and their short jobs, that's as much the nature of the industry, maybe more so than industry rather than the reflection of the individuals, he thought they explained it well. In overall Mike clearly has a huge advantage because he's been in the Division for 15 years and he's been the Deputy Administrator for eight years, he's so familiar with the process procedures, people, issues, etc. It was a tough place for Robby and Sean to compete but I agree with Josh, they did their homework, were well prepared to the extent that they could be. One of the things that came up in some of the questions were they would have to come in and completely learn the process, how the government works, what are the policies and procedures, a major consideration to terms of bringing them in, they have a huge learning curve ahead of them on how do things work. One comment on Robby he mentioned he's a technical guy and one of my questions was in business world and in government, you want to have a strong technical base understanding how to interact and work with people and build relationships, that's a big part of a government job as well and interacting with all the agencies. Long story short Mike a huge advantage.

Rich DeLong: I'll reiterate their job history, their history is not surprising and it's definitely typical for that industry. **Randy Griffin**: I agree with what Rich and Josh said.

Josh Nordquist: Replied he had an observation that he wasn't aware of until hearing everyone today, it's been consistent in the past that someone has come in as a Deputy Administrator and learn the other industries that the Division handles during their time as a Deputy Administrator, is a very substantial stepping stone for someone to move into the Administrator position. It's a good observation in thinking ahead one day there will be a Deputy Administrator position that needs to be filled.

Art Henderson: Mike Visher did not apply for the position last time because he knew he wasn't ready and now he's ready, he's been the Deputy Administrator, he's worked hand in hand with Rich Perry and probably has done a lot of things that we don't know to help Rich, I would also like to go back to the meeting notes that we approved today from last time, we recommended to keep Rich DeLong as the Minerals Commission Chairman, one of the reasons is we wanted continuity of a Division that is running on all cylinders has no major problems outstanding, we also reiterated that this continuity is something we wanted to look for when we look for the new Administrator which is in the meeting notes, we also had a description for the qualifications and it says must be a graduate of an accredited college or university which all candidates have met, and have substantial experience as an Administrator, and for him only one

candidate today has experience as an Administrator and that is Mike Visher, and it says "or at least five years' experience in exploration production or conservation of minerals" you would have to interpret those positions those gentlemen have. The continuity of the Division will also reflect on how our job is handled over the next few years, he knows from an oil and gas point of view we're going to have to defend, explain, re-visit the hydraulic fracking regulations very soon, Mike Visher was there every step, we have given the State of Nevada and the new Administrator, whoever it is, the best hydraulic fracturing regulations in the United States. When they were approved not one person could shoot any holes into our system, so he thinks that the two gentlemen, Robby and Sean, don't have any experience in hydraulic fracking regulations, they could get there but Mike was instrumental. One other thing he sees that was brought up by Mike Visher is what's going to happen now, after the situation we're in today, we're all six-feet away from everyone in the room, he's seen Mike Visher first hand discuss with people who have difference of opinion of us, we were at public meeting after public meeting, we had people that came to those meetings that said things that you couldn't believe or maybe you can believe and he handled those with a very professional attitude, but he thinks one of the things that before we're going to have to find out and he hopes we find out is that Nevada is not a province of China and he believes that Nevada has so many great potential; it's a state in the United States that people are going to have to reevaluate and bring back to the United States these important goals and take advantage of the resources we have in the State and he thinks Mike with his experience already had other functions not discussed today can lead us in that direction, so for me it's clear, he's made his decision when the time comes he'll let you know what that decision is. Nigel Bain: Art was pretty eloquent there; I'm in the same position, that Mike is so much more of a mature guy, understanding of the job and the intricacies of what's involved. Robby and Sean are good people but were not leaders, not Administrators in a situation you've got to deal with Commissioners and the Governor and keep a workforce of a team going that are happy and content as Rich Perry has done, and how the State very much benefited from Rich's experience. He thinks the writing is on the wall for Mr. Visher, much more skilled and leadership values, much more understanding and knowledge of how he's got to interpret things. When he joined the Board he grilled Mike upside down the other about the calculation of mining claims and at the Board and he never lost his cool, he chuckled when Mike said he's a good listener because that's what he did to him, he listened and asked questions, that will serve him well with the Governor and Chief of Staff. He would second the decision.

Rich DeLong: Stated he appreciates everyone's thoughts, and asked if there is anything else anyone wants to add? **Art Henderson**: One thing he'd like to add is if we select Mike or not select Mike, let's assume we do, he's going to be in a very disadvantaged position for a while, while we try to fill his current position so he would like to, if we do give him this opportunity, is to volunteer him support in any way possible to help him with some of the duties he cannot fulfill. Art said he's not going to be a very good Deputy Administrator but maybe he can help him with some other things to lessen the burden for the things he knows how to do, that's his only concern about taking Mike is because we can't fill his current position which is very valuable so that's something that you and the rest of us are going to have to maybe lobby with the Governor to try and get this filled for him.

Rich DeLong: Said he would agree, if we do select Mike, he agrees with Art, we need to spend some time with the Governor's office probably starting with Scott Gilles and just emphasize the importance of having that position filled and reiterating the fact that the position is paid by fee-based income and not by the general fund monies.

Art Henderson: Responded with there's nothing on our agenda today that allows us to do anything but possibly you should write a letter as part of the Commission without any type of agreement here.

Rich DeLong: Replied with we could but I'd like Tony to weigh in.

Art Henderson: Stated it's absolutely important whoever is chosen needs the full support because there's going to be untold things that are going to happen and they're going to have to act quickly.

Rich DeLong: Stated Mike brought up the issue about what's going to happen the first year, there is a serious number of unknowns right now, he certainly seems to have his finger on the pulse of those as much as possible.

Josh Nordquist: Responded with its clear when it comes to knowledge of the industry that we're working in, it's clear that Mike has had the most exposure in all the industries that we give oversight. Operating the office, again there's no doubt he has the experience and the knowledge to be able to do that and I think that puts him above the others as well and the foresight, of knowing what's coming with the current issues of how to operate in this environment and the state government, state agency environment, how things work and how to get things done, that's very important for the

Division, he said he's on the same page but he was trying to put a good thought into making sure that everything starts on an even keel.

Rich DeLong: Stated he appreciates that. Are any of the six Commissioners not ready to make a decision?

All Commissioners present and on the teleconference line are ready to make a decision.

Rich DeLong: Responded with as he said at the beginning of the meeting, at the end of this, asked Tony to correct him if he's wrong, the Chairman would entertain a motion on selecting an individual and then having the Chairman come to an agreement on salary with the individual that is selected.

Anthony Walsh: That is correct.

Rich DeLong: To the three applicants, we've had a thorough discussion, we think all of you have good technical skills but we're at a point where we're going to make a decision and the Chairman would entertain a motion.

Motion to make Mike Visher the Administrator of NDOM, and if approved, he will meet with Chairman DeLong to come to terms with his compensation was made by: Art Henderson

Seconded by: Nigel Bain

Josh Nordquist: Responded with he'd like to add if we suggest that the other two candidates, assuming things go forward, they keep an eye out for potential Deputy Administrator position in the future. **Unanimously approved**

COMMENTS BY THE GENERAL PUBLIC

Sean Derby: Thanked everyone for having him, it was a privilege to be able to interview for this job and maybe he can go into the Deputy Administrator interview with a little more background. **Robert Anderson**: Stated congratulations to Mike Visher.

Mike Visher: Thanked Robbie.

ADJOURNMENT

4:43pm

III. NEW BUSINESS

III. A INTRODUCTION OF NEW AGENCY STAFF AND POSITION ASSIGNMENTS

THIS SECTION IS INTENTIONALLY LEFT BLANK. HAND OUTS AND PRESENTATION WILL BE GIVEN AT THE MEETING.

III. B AML SUMMER WORK PLAN

Nevada Division of Minerals

Abandoned Mine Lands Program 2020 Field Work Update

Join this presentation online, copy and paste the link below!

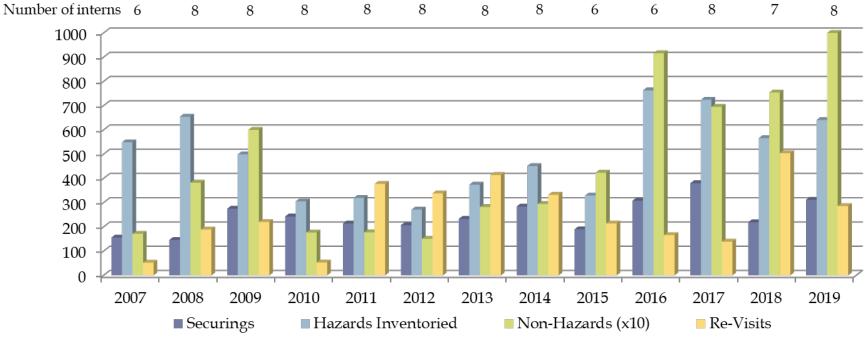
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Past Intern Statistics



<u>2007-2019 Year Average</u>

- 244 Secured
 4,642 Non-hazards
- 496 Inventoried 253 Revisits

2020 Summer Intern Planning Timeline

- November 2019: Intern application period opened
- December 2019 February 2020: Performed multiple outreach events in Northern and Southern NV.
- February 2020: finished planning and prioritizing the Summer Intern field areas
- March 9th-13th: Interviewed 30 applicants
- March 17th: Stay at Home Orders and Hiring Freeze
- March 20th: Eight interns were selected out of the 30 interviews
- March 24th: Justification to Fill paperwork for the intern positions were sent into the Budget/Governor offices

- April 2020, Multiple AML Staff meetings alternating the summer plan
- April 27th: Justification to Fill received from the Budget/Governors offices, contingent on travel restrictions being lifted
- May 4th: Entire AML staff decided to reduce the amount of intern from eight to the two return interns. Informed the remaining six interns of the change in positions
- May 2020: Modified the Intern plans
- May 19th: Received the full green light to start the intern program for the Interns from the Governors/Budget office
- May 22nd: NDOM Communicable Disease Plan was finalized
- May 26th: Start of the two summer interns

Communicable Disease Plan

- Employer/Employee Responsibilities
- Assigned truck for each staff/intern
- Vehicles outfitted with all Covid-19 PPE supplies
- Minimize all time in the Office with other staff
- New sickness policy
- New Check-In procedures
 - Spot GPS for each truck (6)
 - Satellite phone for each truck (6)
 - Day trip check in policy
- Vehicle Maintenance policy
- Following Nevada Governor Covid-19 Guidelines

2020 DIVISION OF MINERALS ABANDONED MINE LANDS FIELD WORK COMMUNICABLE DISEASE CONTROL PLAN (CDCP)

Introduction

COVID-19 is a new form of infectious coronavirus that belongs to the same family as influenza and SARS. It is spread by contact with exhaled bodily fluids onto mucous membranes of another individual, commonly through coughing or sneezing. There is currently no vaccine and no cure for COVID-19 and so steps must be taken to prevent transmission.

This document compiles information for it is not a replacement for direction from medical authorities and should be used as a guide in conjunction with official advice and mandates issued by the Nevada Occupational Safety & Health Administration or other such task forces whose updates need to be checked regularly.

Summary of the AML Program

The Division's Abandoned Mine Lands (AML) program addresses public safety by identifying and ranking dangerous conditions at mines that are no longer operating and by securing dangerous mine openings. The AML program is administered under Nevada Administrative Code (NAC) chapter 513, found in sections 513.320 through 513.360 of the chapter require that hazardous openings be given a hazard ranking based on the location and type of feature.

Each summer the Division employees up to eight public service interns to assist the staff in the field efforts required to complete the statutory requirements of the AML program. The summer field season is the most productive time of the year with access to all locations within the state. Planning for the summer field season started as early as December the previous year and is consistently developed until the field work starts.

The intern program started in 2000 and has expanded from two to eight students in the summer and the past four winters, 4-6 interns have been rehired during their winter break to perform work in southern Nevada. The intern program has been a successful application of providing field experience to University students while achieving the goals and mission of the Division. Since 2013, the intern program has fenced, barricaded, or posted over 3,000 hazards, inventoried nearly 5,000 hazards, cataloged over 41,000 non-hazardous mining features, and revisited nearly 2,000 hazards.

An intern field week starts Monday morning in Carson City, trucks are prepared and the week's plan is reviewed. After a safety meeting, the teams of two load into their trucks and travel to the field work locations. During the work week, the only contact with the public is during re-fueling of the trucks or the purchase of additional grocery items. The AML team works until mid-morning Friday, then returns back to the Carson office to export all of the data collected and re-stock the vehicles. The process re-starts the following Monday.

New Procedures

Field Procedures

- One staff/intern per truck
- Work in tandem
- Focused on local areas during the start of program
- Follow Travel Guidelines
 - Day trips only in the start of the program
 - Eventually progress to overnight trips
- New check-in policy
- Assigned Field Gear

Office Procedures

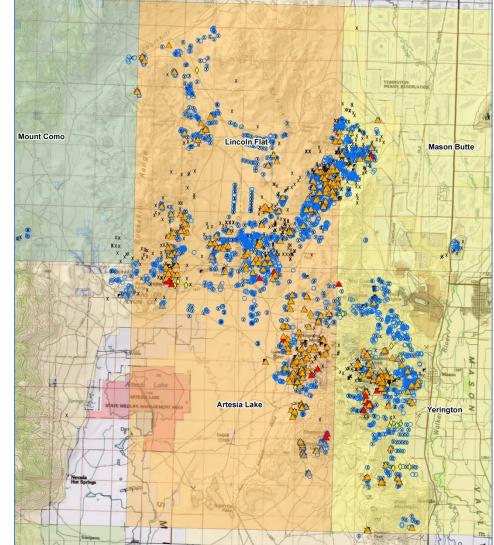
- Minimize office time
 - Data entry every other week
 - Daily routine without going into office
- Wear mask and follow social distancing guidelines
- Digitally transfer data for data entry
- Assigned equipment

Staff and Intern Field Prioritization

- Northern Nevada Focus
 - Inventory first

LiDAR inventory in Virginia Range

- Pine Nut Mountains
- Artesia Lake/Yerington
- Pine Grove/Aurora
- Tonopah
 - Finish Tonopah NV Point inventory project

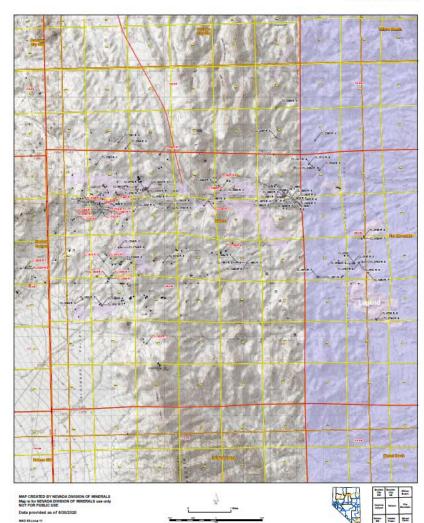


Staff and Intern Field Prioritization

NEVADA DIVISION OF MINERALS

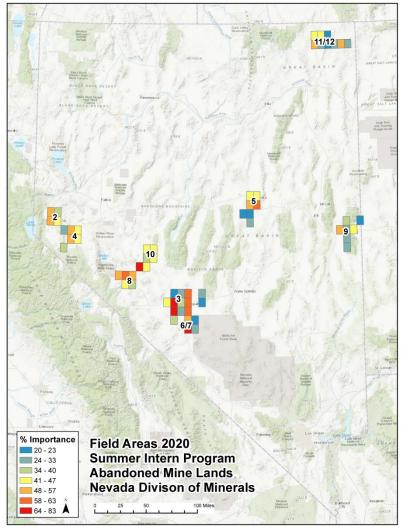
Nelson Quadrangle Clark County 7.5 Minute Series (Topographic)

- Southern Nevada Focus
 - Revisits and inventory
 - Searchlight
 - Nelson
 - Greater LV general area revisits

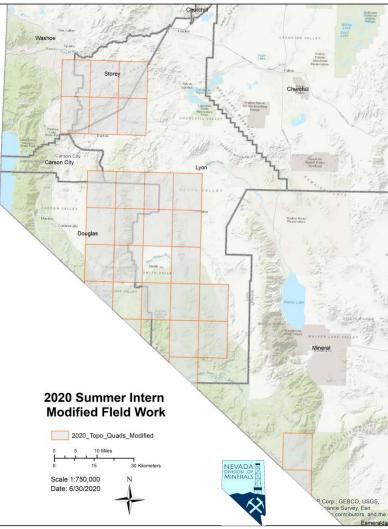


Intern Field Work Locations

Original Field Locations



Modified Field Locations



Intern Focus

- 13 Week program
 - Ends August 21st
- Field Work Focus
 - Inventory is the Priority
 - Clearing areas
 - Revisiting orphan securing
 - Greater than 5 years since last visit
 - Securing of orphans only

- 2020 Intern Field Work (5 week total)
 - Hazards Inventoried 52
 - Revisits or Securing's 80
 - Non-hazards Inventoried 2,021

2020 by Comparison

Typical Field Season

- 8 Interns
- 4 Intern Trucks
- 2 interns per truck
- Extensive training as a group in office
- Staff with interns every week
- Up to 10 people in the field at a time
- 13 week program

2020 Field Season

- 2 Interns (returning from last Summer)
- 6 trucks Total
- assigned vehicles
- 1 person per vehicle
- Training with Rob and 2 interns
 only
- Intern in field without staff
- Staff performing their own field work
- Minimal office time
- 13 week program

Looking Forward

UAS & AML Advancements

- Recent Advancements
 - New Software for pre-planning, in-field planning, includes NDOM base maps & AML data for better inventory accuracy and time saving
- Recent Projects Dayton Area
 - LiDAR Identified points surveyed by UAS
 - In just a few days 4 new hazards identified not part of any previously known datasets, >200 non hazards inventoried... and counting...
- UAS use continues to prove to be valuable to the program, and has come a long way since it's introduction
 - Yearly successful projects and field work completed
 - Expanded written program, software capabilities, maintenance & operating procedures for safe and efficient flying while complying with FAA, State and NDOM specific guidelines







III. C <u>THE "NEVADA MINERAL EXPLORER"</u> INTERACTIVE WEB APPLICATION

Mineral Deposits Database

Objective: To show explorers that are new to Nevada what has been explored

Plan: Set up the structure of the database and work on adding over time

Location: To be hosted on NBMG web site

Layers:

- 1. Occurrences & Production
- 2. Land Status
- 3. Claims
- 4. NV Geologic Map
 - a. Geologic Terrains
 - b. Rock Units
- 5. Deposits/Mineral Resources
 - a. Precious Metals
 - b. Base Metals
 - c. Industrials
- 6. Drill Projects since 2005 (from MI Report)
 - a. Will also be linked to MI Reports
- 7. 43-101 database
- 8. Other open source geologic databases (i.e. USGS)
 - a. MRDS
- 9. UGGS N.U.R.E
- 10. Base Maps
 - а. Торо
 - b. DEM
 - c. Ortho
 - d. Cadastral
- 11. NOI and POO

Functionality

- 1. Downloadable shapefiles
- 2. Downloadable spreadsheets
- 3. Print to PDF
- 4. Tablet form in the field (Web App-Native App)



Objective:

- Developed as a tool to assist with exploration in Nevada
 - A one-stop-shop to show what datasets are available
 - GIS data gathered from various sources
 - NBMG
 - NDOM
 - USGS
 - BLM
 - USFS
 - Datasets relevant to NV geology, exploration, mining, precious metals and industrial minerals, geothermal, oil and gas, and many more.

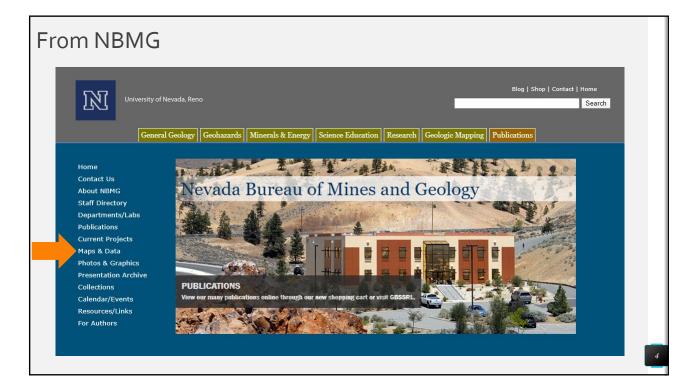
Project Team

- A combination of expertise from NBMG and NDOM
 - Additional input from the USGS was provided
 - Beta testing was also conducted to fine-tune web mapping application

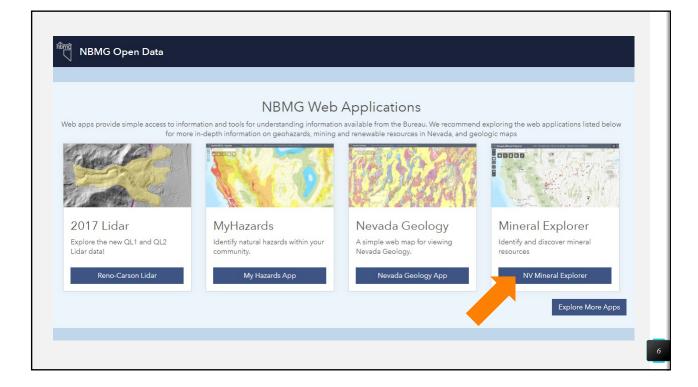


Accessing the Nevada Mineral Explorer Web Map :

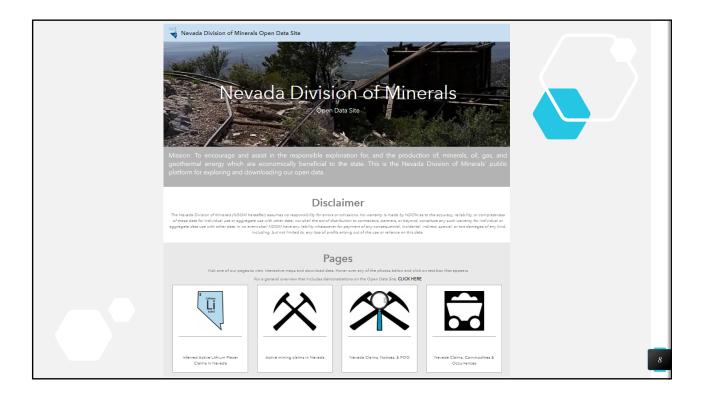
- Direct link: https://bit.ly/NevadaMineralExplorer
- Also accessible through NBMG and NDOM websites
 - <u>http://www.nbmg.unr.edu/</u>
 - http://minerals.nv.gov/
- And through NBMG and NDOM Open Data Sites
 - <u>https://data-nbmg.opendata.arcgis.com/</u>
 - <u>https://data-ndom.opendata.arcgis.com/</u>
- Video Tutorial: <u>https://youtu.be/J7AnprbH7zU</u>



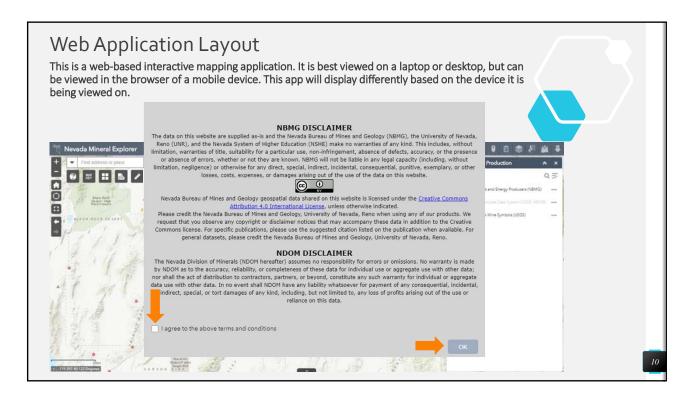


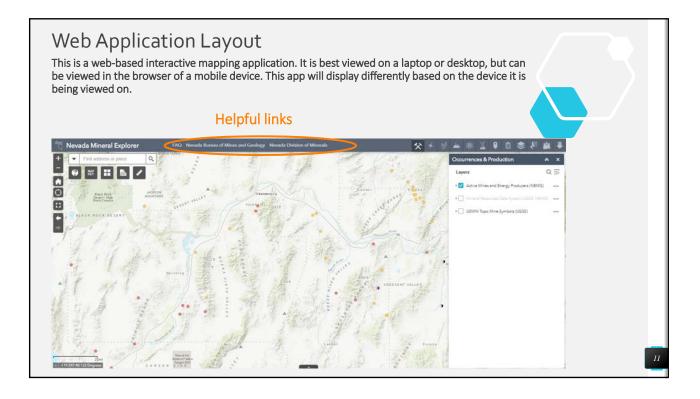


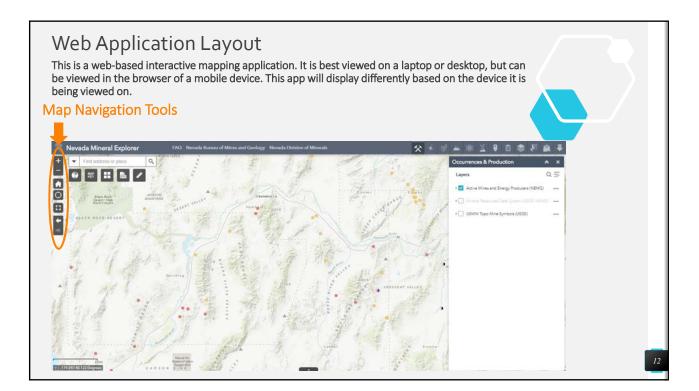


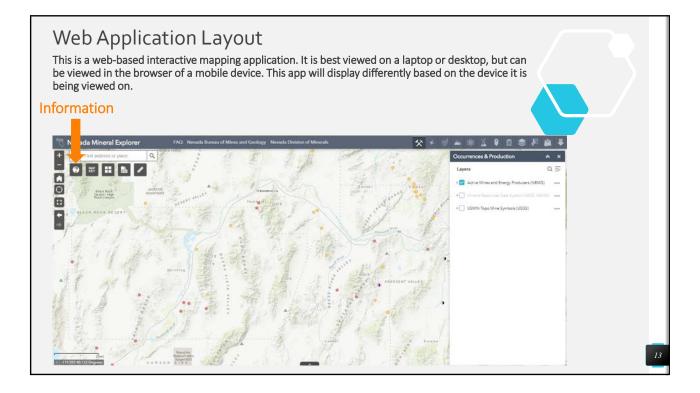


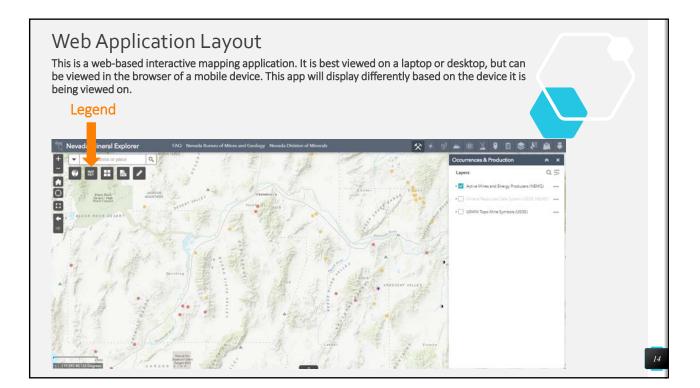


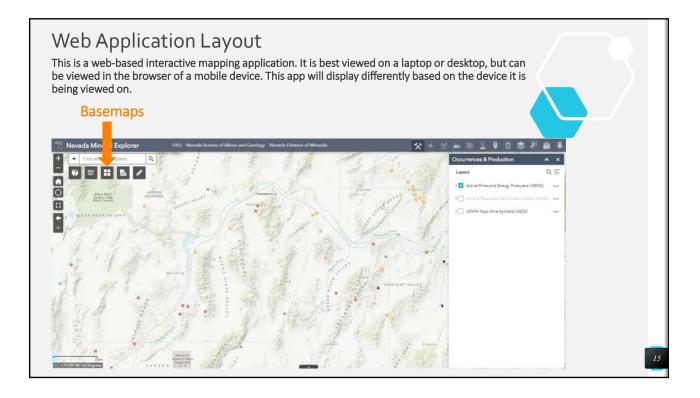


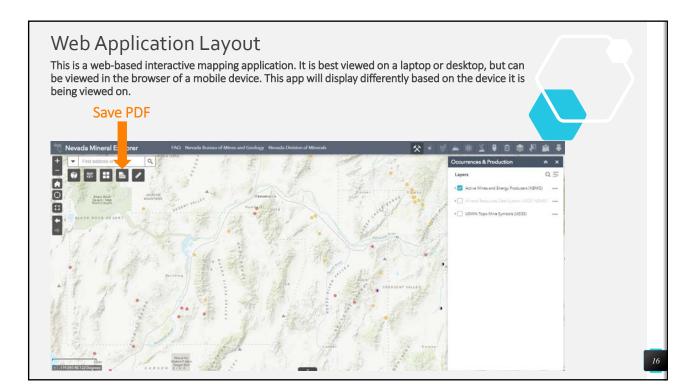


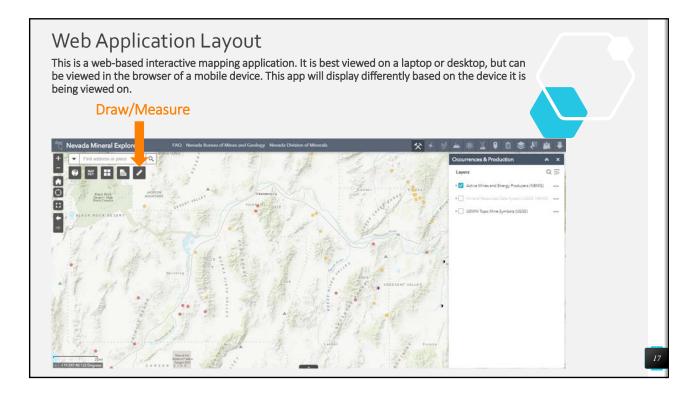


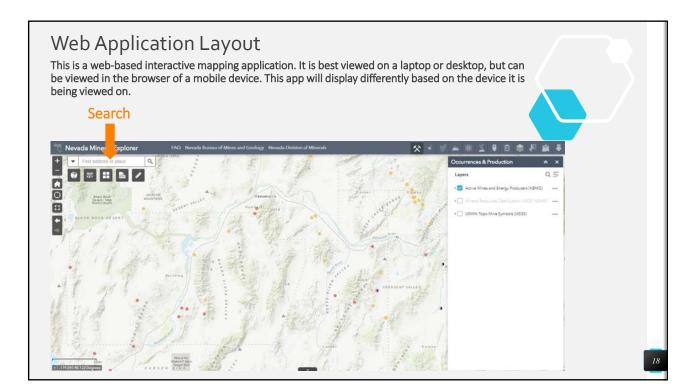


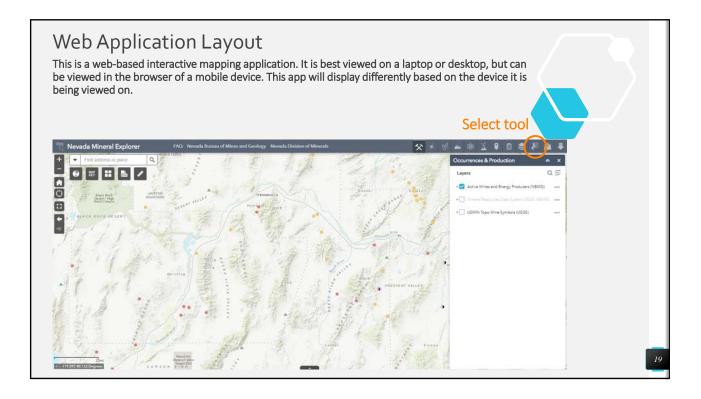


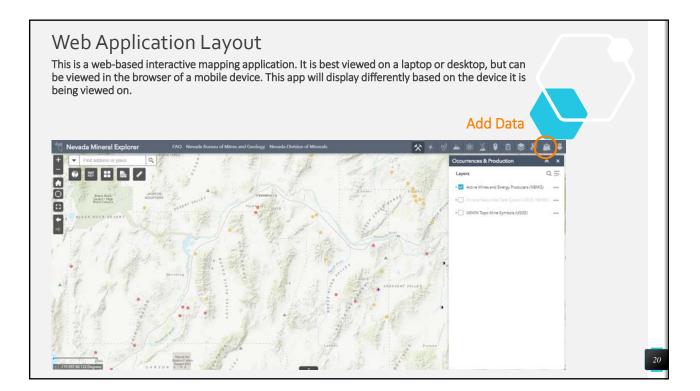


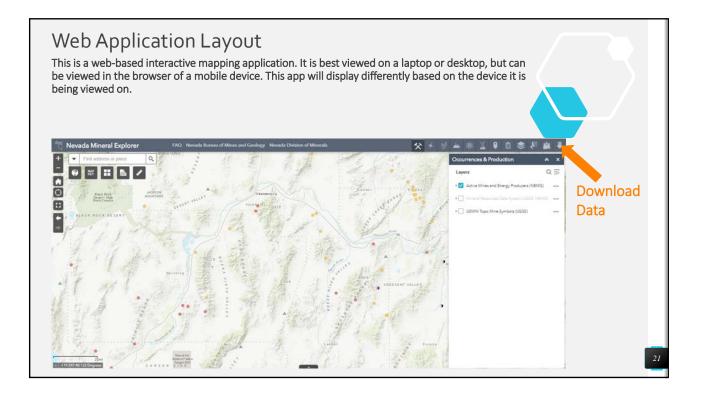


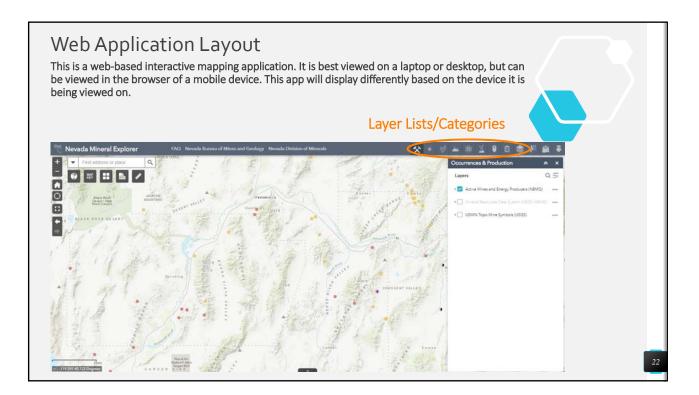


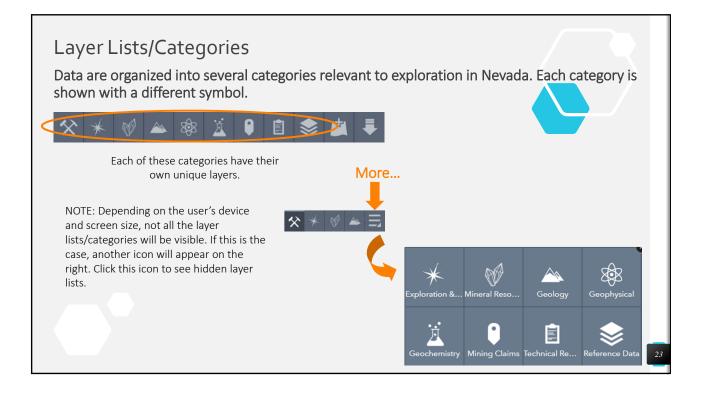


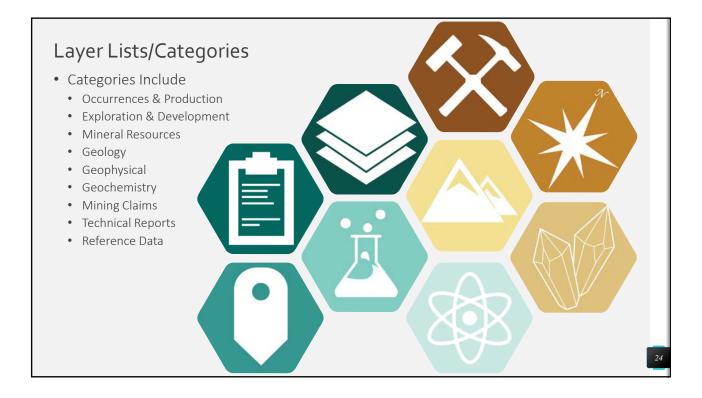


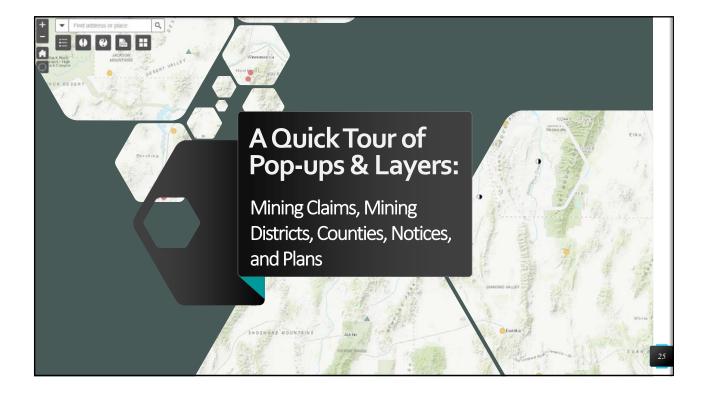


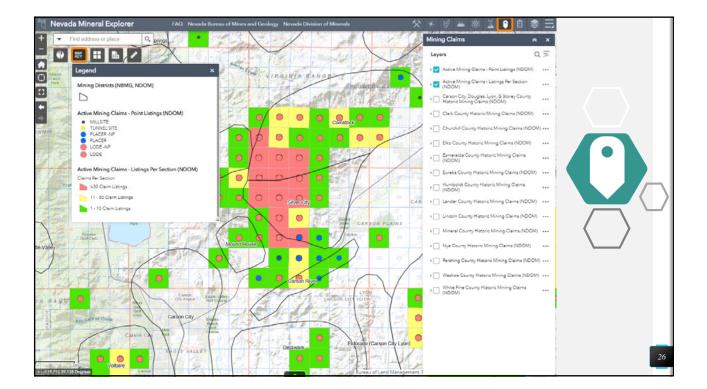


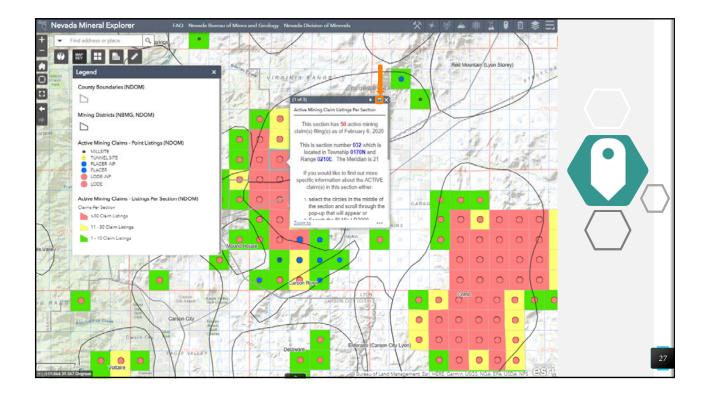




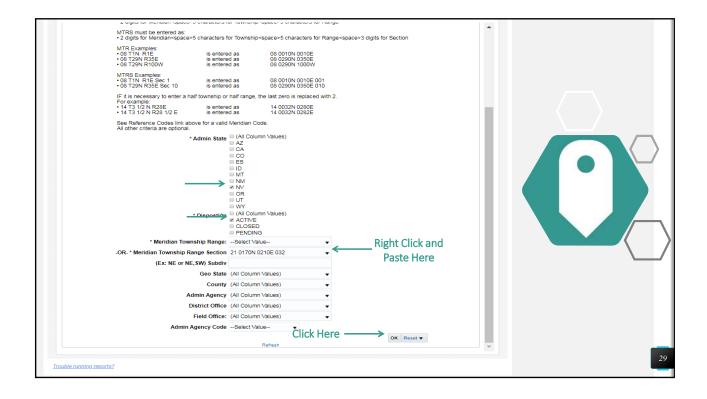




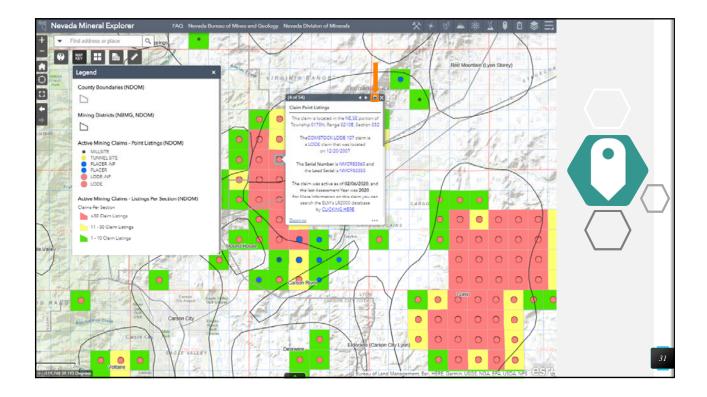


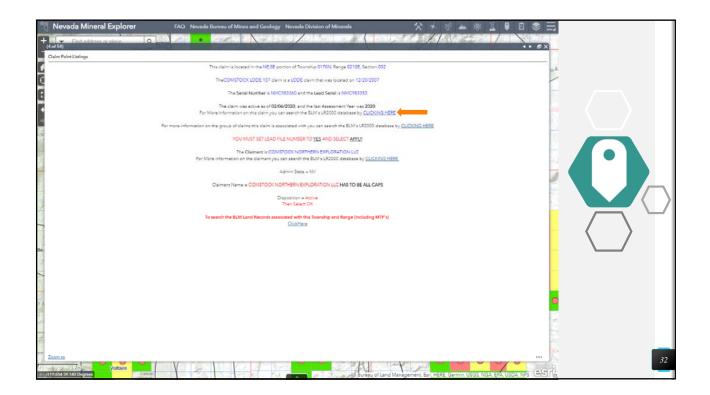


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Active Mining Claim Listings Per Section			
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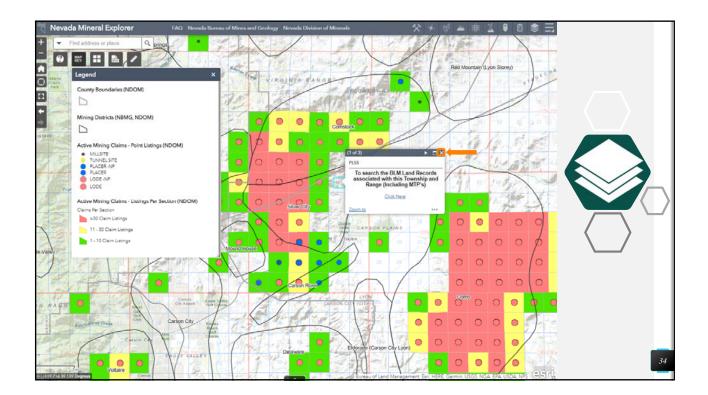


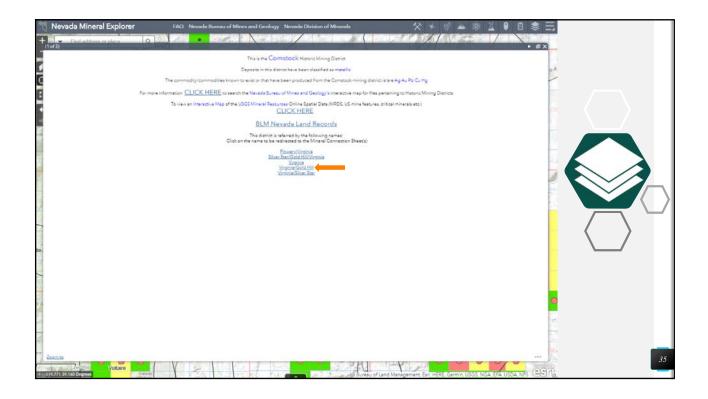
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	NE	NMC1111834	NMC1111834	LODE	COMBINATION	SAYLOR JOHNYE COLLING		08/17/2015	2020		
	NE				SHAFT MI	SAYLOR STEVEN		08/17/2015	2020		
	NE	NMC210054	NMC210054	LODE	VC # 2	CONSOLIDATED VA MNG CO INC	49644;30;98	08/04/1981	2020		
N N N N	NE	NMC983364	NMC983353	LODE	COMSTOCK LODE 111	COMSTOCK NORTHERN EXPLORATION LLC		12/21/2007	2020		~
	NE	NMC983365	NMC983353	LODE	COMSTOCK LODE 112	COMSTOCK NORTHERN EXPLORATION LLC		12/21/2007	2020		
	NE	NMC983366	NMC983353	LODE	COMSTOCK LODE 113	COMSTOCK NORTHERN EXPLORATION LLC		12/21/2007	2020		
	NE	NMC983421	NMC983421	LODE	COMSTOCK LODE 168	COMSTOCK NORTHERN EXPLORATION LLC		12/21/2007	2020		
	NE,NW	NMC983387	NMC983353	LODE	COMSTOCK LODE 114	COMSTOCK NORTHERN EXPLORATION LLC		12/21/2007	2020		
	NE,NW,SW,SE	NMC1000143	NMC1000122	LODE	OMAHA FRACTION #24	COMSTOCK NORTHERN EXPLORATION LLC		10/30/2008	2020		
	NE.NW.SW.SE	NMC983356	NMC983353	LODE	COMSTOCK LODE	COMSTOCK NORTHERN		12/21/2007	2020		

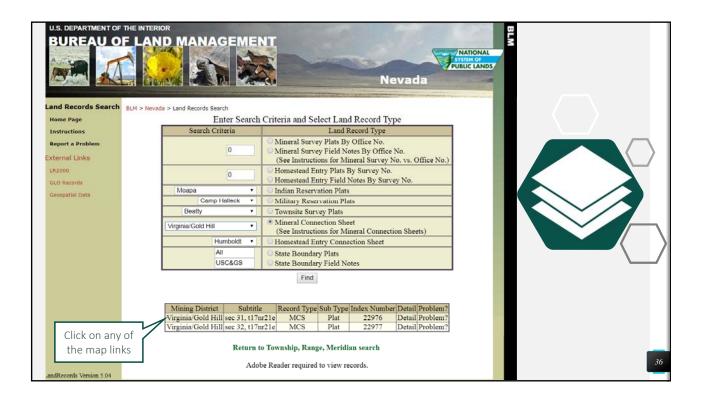


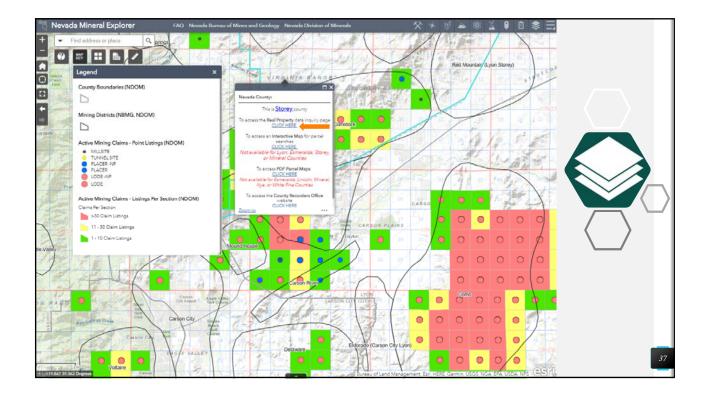


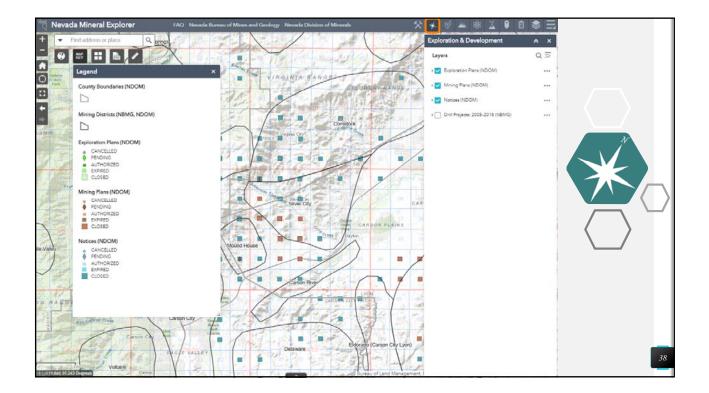
V.S. DEPARTMENT OF	ndex.php?town=017&town_frac=0&town_dir=N⦥=021⦥_frac=0&RDir=E&meridian=21&record_type=HI_MTP_USE&e ③ AML Server ④ AGOL ④ OD ④ Portal SI ▲ My Esri ⑥ 43-101 ▲ ESRI Train M Gmail ▼ CR SRPR ▲ AML ▲ Get THE INTERIOR F LAND MANAGEMENT ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Land Records Search Home Page Instructions	Select a Township, Range and Meridian
Report a Problem	Township Range Meridian Land Record Type
Display 100K Quad map for 0170N 0210E	Start: 017 0 \vee N \vee v 021 0 \vee E \vee v End: 000 0 \vee N \vee v 000 0 \vee E \vee v
External Links	Find
LR2000 GLO Records Geospatial Data	Or Search Special Surveys Includes Mineral, Homestead Entry, Indian Reservation, Military Reservation and Townsite Surveys, and Mineral and Homestead Entry Connection Sheets
ocospanar Data	Township Range Meridian Record Type Sub Type HI Pages Posted Date Plat Number Detail Problem?
	017 0 N 021 0 E MDM HI 10/31/2019 0001 Detail Problem?
	Township Range Meridian Record Type Sub Type Sub Type Posted Date Plat Number Detail Problem?
	017 0 N 021 0 E MDM MTP Primary 08/04/2015 0001 Detail Problem?
	017 0 N 021 0 E MDM MTP 20 08/29/2014 0002 Detail Problem? 017 0 N 021 0 E MDM MTP 21 12/03/2008 0003 Detail Problem?
	017 0 N 021 0 E MDM MTP 28 05/23/2019 0004 Detail Problem?
	017 0 N 021 0 E MDM MTP 29 05/23/2019 0005 Detail Problem?

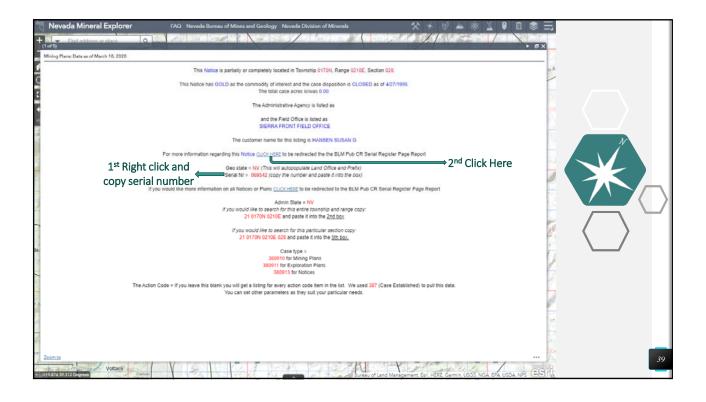


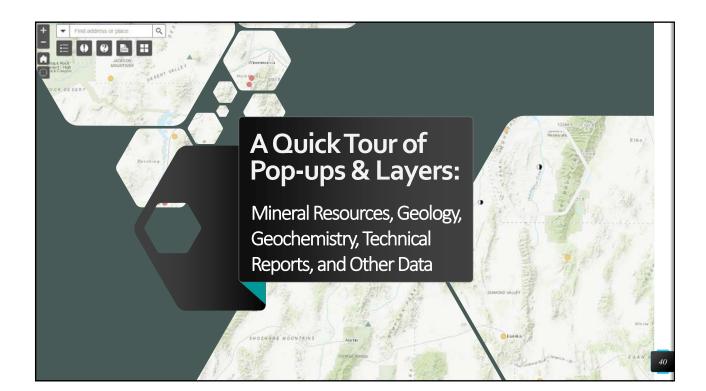


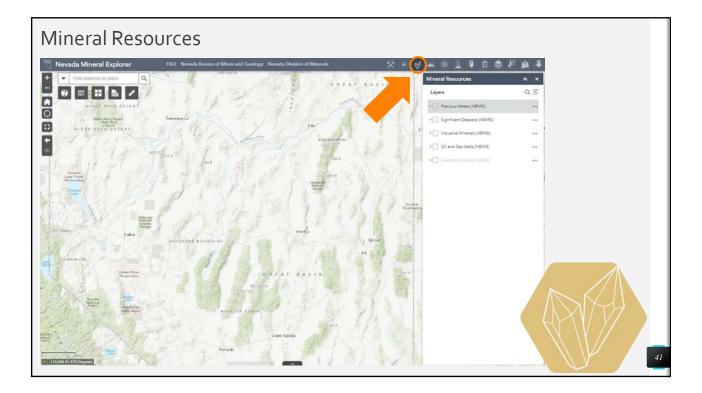


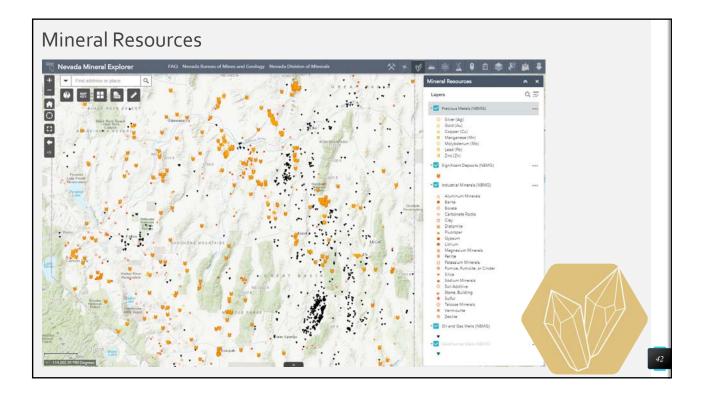


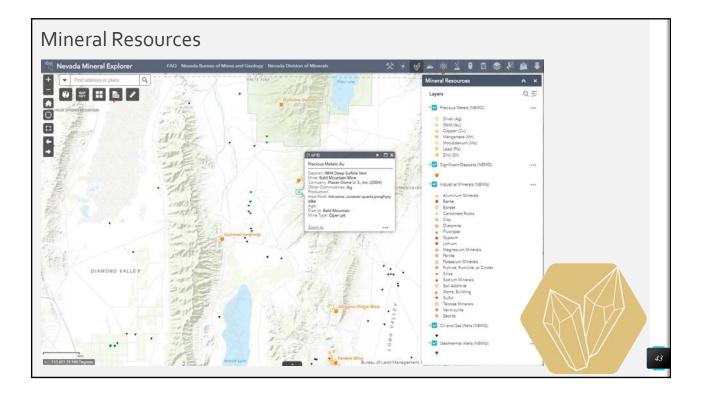


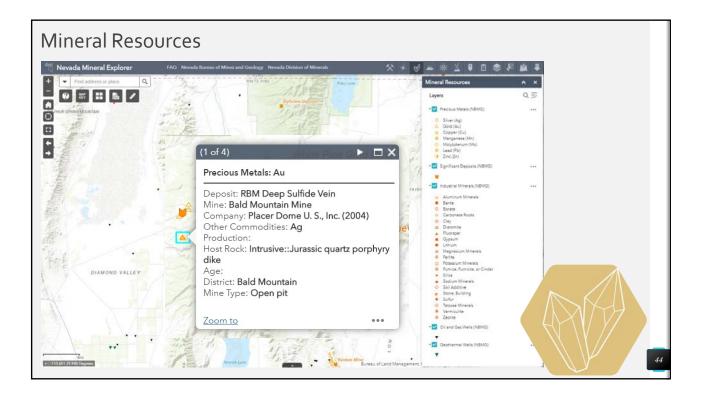


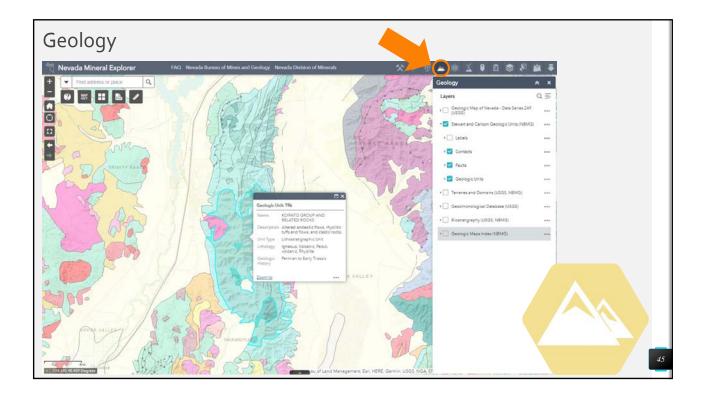


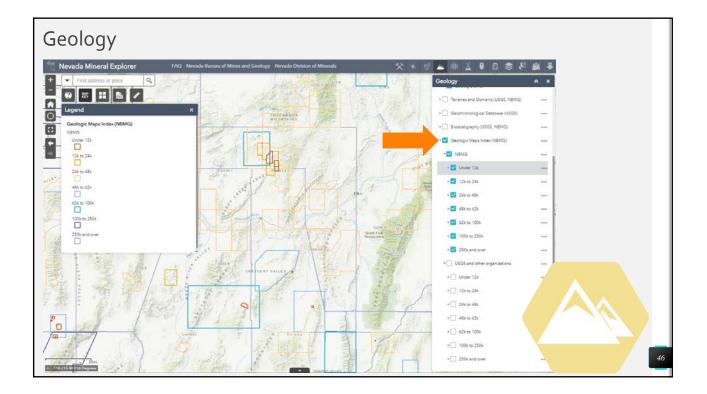


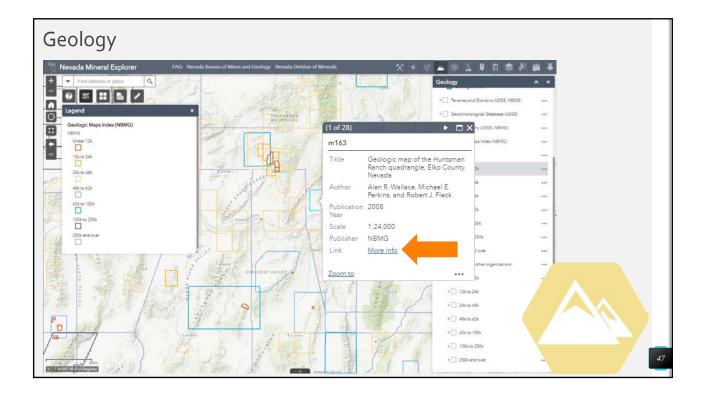


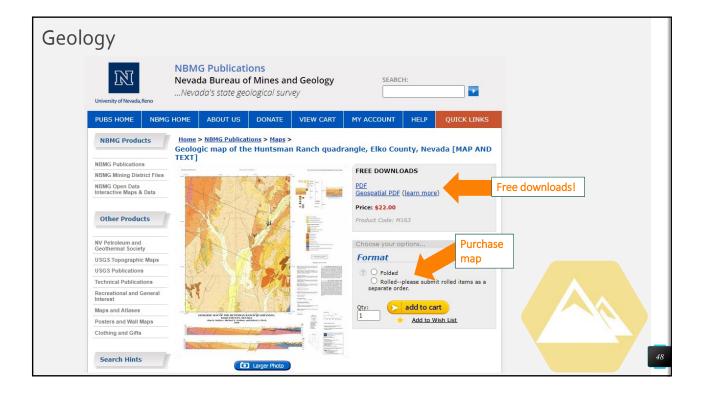


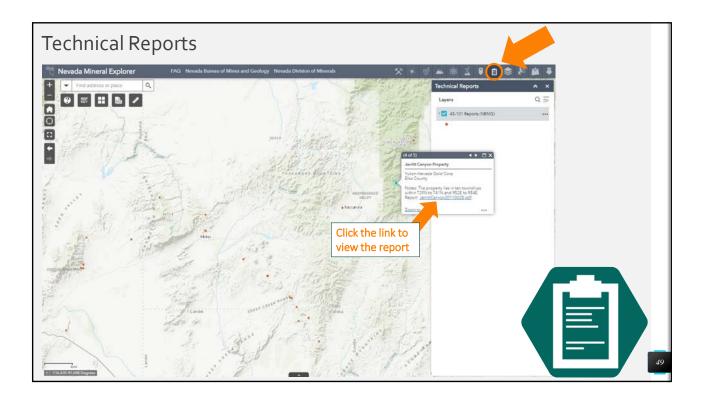


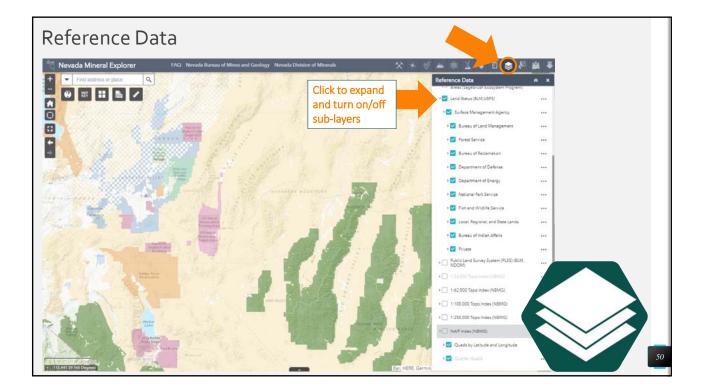


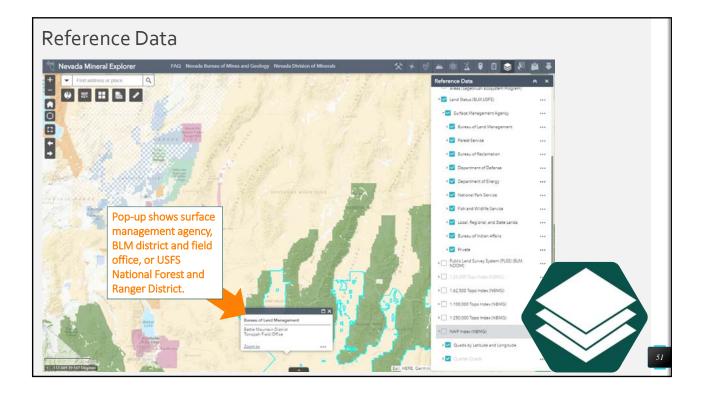


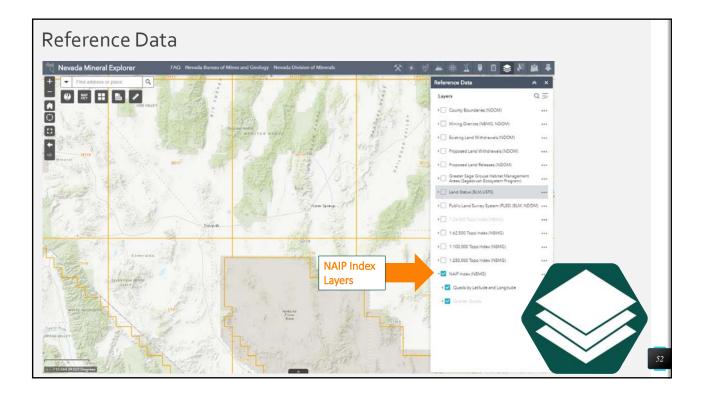


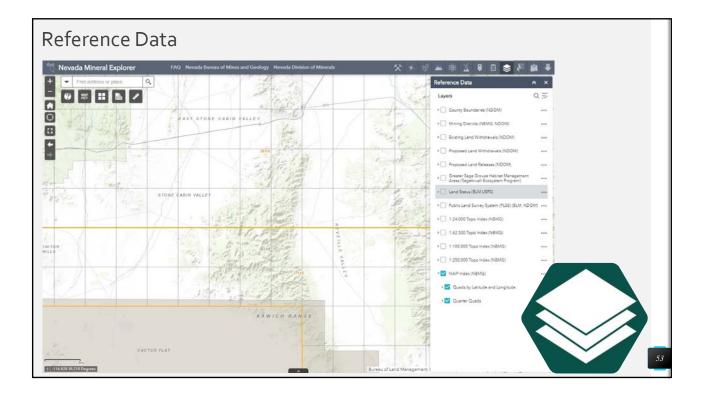


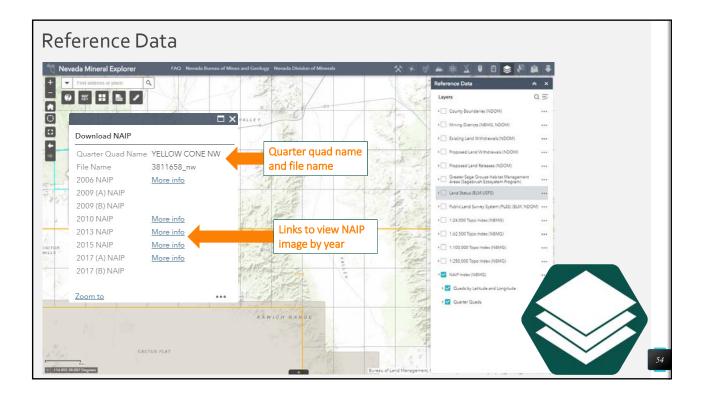


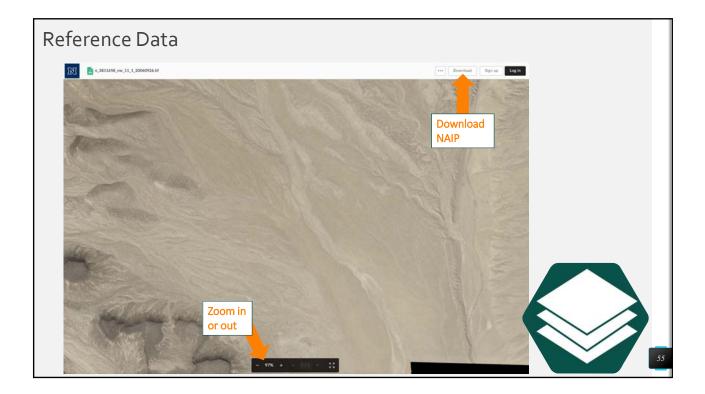


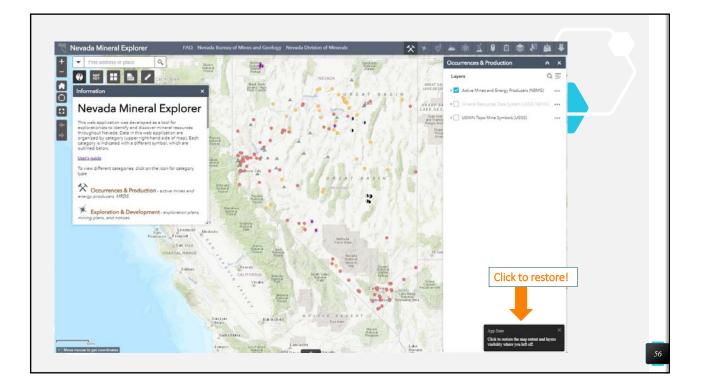


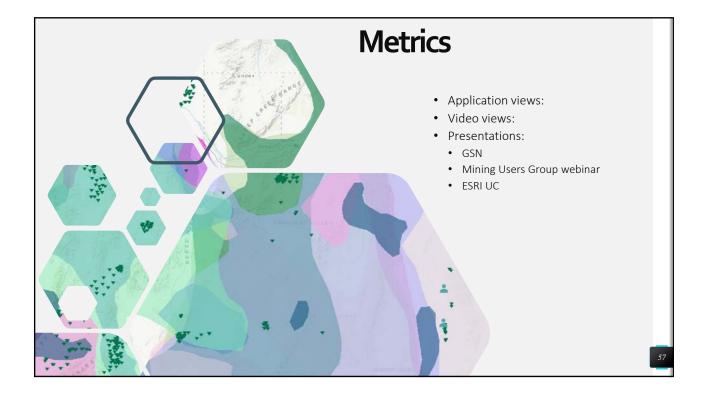


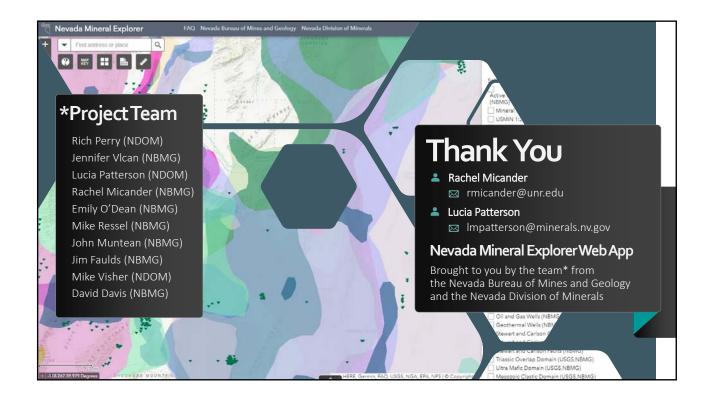












III. D IMPACT OF MONTHLY OIL ASSESSMENT FEES

Effects On Nevada Oil Industry Due To Drop In Price

- 1. There are 96 wells classified as a production well in Nevada oil field areas
- 2. Prior to 4/30/2020, 41 wells were shut-in
 - The shut-in of the 41 field wells has been due primarily to marginal production, where production costs outweigh production value
- 3. Number of shut-ins post price drop
 - 55 production wells were active in April 2020, 34 wells post April
 - The additional 21 wells shut-in post 4/30/2020 represents:
 - 38.18% of the 55 producing wells on 4/30/2020, or 21.875% of all 96 field production wells in place
 - 62.58% of the 96 field production wells are currently shut-in
- 4. Percent of Workforce Laid Off
 - Grant Canyon, Western General, and Tomera Oil Fields have not laid of employees or contract personnel
 - Makoil has laid off 50% of its employees, field and corporate (6 of 12)
 - Kirkwood Oil & Gas has laid off 67% of its Nevada employees (2 of 3)

NAC 522.342 Administrative Fee

The amount of the administrative fee that a producer or purchaser of oil or natural gas must pay to subsection 2 of <u>NRS 522.150</u> is 15 cents per barrel of oil or per 50,000 cubic feet of natural gas, as appropriate.

Operator	2019 Production BBL	\$0.15/bbl	\$0.10/bbl	\$0.05/bbl
Makoil	125,540	\$18,831.00	\$12,554.00	\$6,277.00
Makoil	4,818	\$722.70	\$481.80	\$240.90
Makoil	5,405	\$810.75	\$540.50	\$270.25
	135,763	\$20,364.45	\$13,576.30	\$6,788.15
Western General	20,023	\$3,003.45	\$2,002.30	\$1,001.15
Kirkwood	35,205	\$5,280.75	\$3,520.50	\$1,760.25
Kirkwood	7,774	\$1,166.10	\$777.40	\$388.70
	42,979	\$6,446.85	\$4,297.90	\$2,148.95
Grant Canyon	33,495	\$5,024.25	\$3,349.50	\$1,674.75
	22,559	\$3,383.85	\$2,255.90	\$1,127.95
	5,910	\$886.50	\$591.00	\$295.50
	4,623	\$693.45	\$462.30	\$231.15
	1,148	\$172.20	\$114.80	\$57.40
	67,735	\$10,160.25	\$6,773.50	\$3,386.75
Tomera Oil Fields	372	\$55.80	\$37.20	\$18.60
Totals	266,872	\$40,030.80	\$26,687.20	\$13,343.60

\$1,000,000.00 \$100,000.00 \$ Value (log base 10) \$10,000.00 \$1,000.00 Western Makoil Kirkwood Grant Canyon General NDOM Fees Paid \$20,364.45 \$3,003.45 \$6,446.85 \$10,160.25 \$4,101.19 NPM Taxes \$152,594.19 \$5,182.57 \$61,610.80 Federal Royalties (NPM) \$790,559.00 \$84,349.00 \$218,997.00 \$202,836.34 3.7% NDOM Fee % of Total 2.1% 3.3% 2.8%

2019 Oil Production Fees, Taxes, and Royalties

2020: The federal royalty of 12.5% has been reduced to 0.5% for Nevada operators. The duration of the reduction varies, depending on the approval date.

III. E 2020-2021 BUDGET FORECAST AND 2022-2023 BIENNIAL BUDGET PLANNING

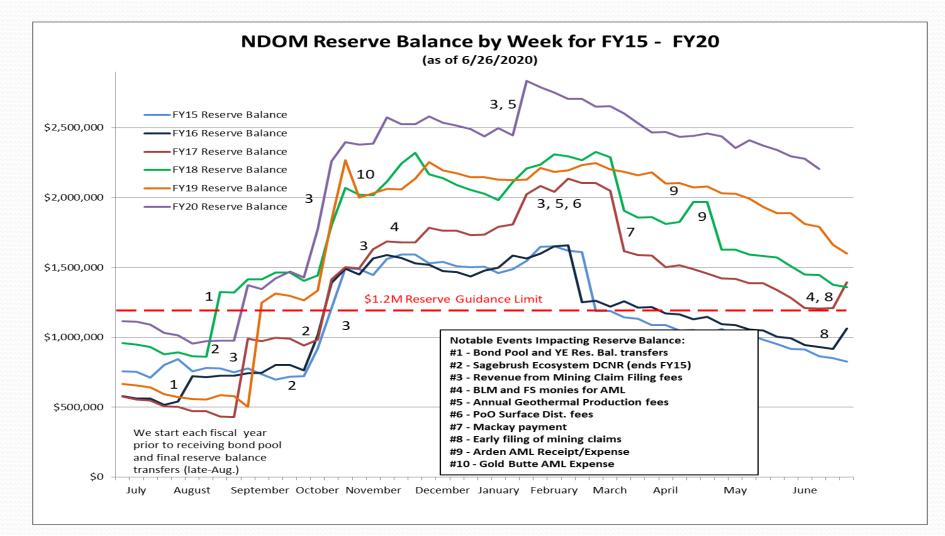
Division of Minerals Financial Update and FY21/23 Budget Review Mike Visher, Administrator

> Commission on Mineral Resources July 9, 2020

Fiscal Year 2020 Forecast

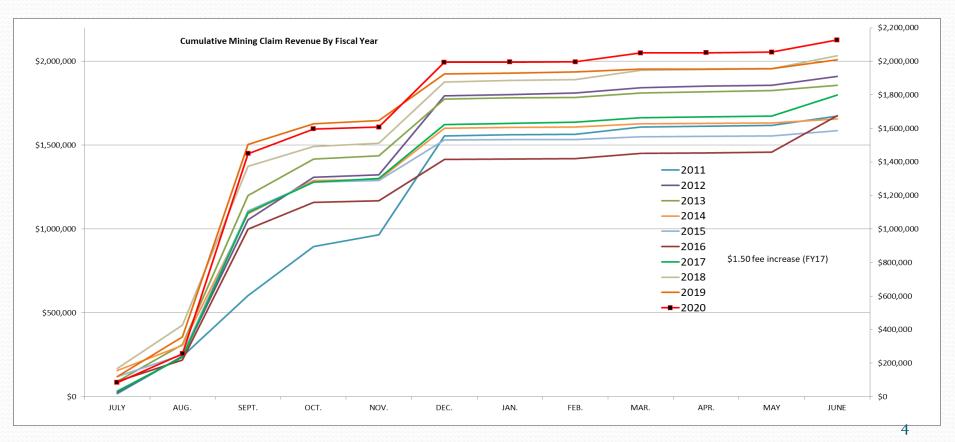
- Total Revenue \$2,769,080
 - 4.9% increase over FY19
 - Mining claim filing fees totaled \$2,127,730
 - 6.8% increase over FY19
 - 76.8% of total revenue
 - Included \$50,460 from Clark County for reimbursement of AML work
- Total Expenditures \$2,531,665
 - 5.4% increase over FY19
 - \$735,663 on contracted AML (17% increase over FY19)
- Reserve Balance of \$1,834,882 forwarded to FY21

Reserve Balance



Mining Claim Fee Revenue

- FY 2020 is estimated as final revenue payments won't be received until early August.
- \$10 per mining claim *filing*, not equal to claims
- Because annual filing deadlines are 9/1 (BLM) and 11/1 (Counties), the July through December county payments account for ~95% of total fiscal year mining claim filing revenue
- December's payments are usually all received by early February



FY20 – FY23 Mining Claim Revenue Forecast

- Forecasting to end FY20 with \$2,127,730, a 5.5% increase over FY19
- Increased price of gold not likely to translate to more mining claims due to the many and varied impacts from the COVID-19 pandemic.
- For budget planning purposes we chose to keep this revenue flat for FY21 through FY23.

Financial Forecasts through FY23

- FY21 Forecast
 - Assumes no significant changes to most revenue items
 - Expenditures based on Legislatively-approved budget, with the following changes:
 - Includes 1 day/month furlough, reducing personnel costs by ~4.6%
 - Several special projects delayed so \$103,000 in FY20 planned expenditures will now occur in FY21
 - Limited summer intern program with reduced AML program costs for summer of 2020 but not for summer of 2021 (FY21/22)
 - Increased AML contract work, on par with FY20 actuals
 - New IT support costs, from EITS and contractor, an additional ~\$12,000/yr
- Fy22 and FY23 Forecasts same as FY21 leg-approved
 - Contracted AML increased from \$500k/yr to \$650k/yr
 - New contract with NBMG for \$90k/yr, same deliverables as FY20/21
 - Continued presence at PDAC for \$25k/yr

Budgets and Forecasts FY20 thru FY23

CMR-Division of Minerals - 2020-2023 Budgets and Forecasts (as of 7/2/2020)

Revenue							
GL#	Description	FY20 Forecast	FY21 Budget	FY21 Forecast	FY22 Forecast	FY23 Forecast	Remarks
2511	Balance Forward Previous Year	1,597,307	1,198,254	1,834,822	1,710,085	1,694,637	
3578	BLM Cooperative Agreement	158,469	98,722	50,000	50,000	50,000	BLM grant funding AML work (Current grant expires in 2021)
3580	USFS Assistance Agreement	10,772	8,397	10,000	9,279	0	USFS assistance funding AML work (Current agreement expires in 2022)
3654	Oil Production Fee	35,573	40,016	30,000	30,000	30,000	\$0.15 per bbl fee for oil production annually
3717	Oil Permit Fees	3,300	6,500	3,300	3,300	3,300	Permit fees for new oil and gas wells
3718 & 3727	Mining Claim Fees	2,127,730	1,794,340	2,127,730	2,127,730	2,127,730	Mining Claim fees @ \$10/claim filing, assume no change from FY20 number
3736	Geothermal Fees	158,800	157,500	158,800	158,800	158,800	Annual fee and permit fees for geothermal wells and permitting
3740	Dissolved Mineral Resource Fees	0	10,000	0	0	0	Permit fees for DMR (lithium brine) permits
3770	Surface Disturbance Fee (AML)	81,160	51,567	50,000	50,000		\$20 per acre fee for new mine surface disturbance
3801	Clark County AML	50,460	0	0	0	0	Inter-local contract for AML securing
3805	NAAMLP Conference	11,000	0	220,000	0	0	pass-through, Nevada hosting 2021 NAAMLP Conference in So. Lake Tahoe
4011-4311	Other	5,916	2,140	1,351	1,351	1,351	
4326	Treasurer's Interest	45,000	25,292			45,000	Interest we receive for money deposited with Treasurer
4620	Transfer from Recl. Bond Pool	81,000	93,327		78,000		Fee from Bond Pool for NDOM Management
	REVENUE TOTAL	\$4,366,487	\$3,486,055	\$4,609,003	\$4,263,545	\$4,238,818	
penditure	es						
CAT#	Description	FY20 Forecast	FY21 Budget	FY21 Forecast	FY22 Forecast	FY23 Forecast	Remarks
							FY20 11 FTEs 2 summer interns, FY21 onward 8 summer interns, includes 3
01	Personnel (Sal., WC, PERS, OT)	1,202,778	1,282,924	1,176,849	1,282,924	1,257,924	weeks in Dec/Jan for interns, FY21 furloughs, FY23 1 retirement payout
02	Out-of-State Travel (Staff, CMR)	18,097	16,438	16,438	16,438	16,438	Includes PDAC (3), AEMA (3), NAAMLP (2)
03	In-State Travel (Non-AML)	8,023	12,325	12,325	12,325	12,325	Travel, lodging and per-diem within State
04 and 05	Carson Office + furniture	125,604	113,033	113,033	113,033	113,033	Rent, Operating supplies
08	CMR Travel (In-State)	3,556	6,409	3,600	3,600	3,600	
							FY20 - \$110k (NBMG deliverables, \$20k fwd to FY21), \$27k (PDAC), \$15k
							(NVMA Ed) \$1.1k display updates; FY21 - \$110k (NBMG deliverables), \$27k
09	Special Projects (Mackay, NBMG)	156,350	130,717	239,717	130,717	130,717	PDAC, \$15k (NVMA Ed), \$2.7k display updates, \$40k AML SOSA video, \$43k
14	Las Vegas Operating Expenses	45,984	35,687	35,687	35,687	35,687	Office relocation in FY20
17	Fluid Minerals	7,871	10,319	10,319	10,319	10,319	Field expenses for OGG and DMRE
	AML Support (per diem, trucks, fuel,						Per diem for 2 summer interns in calendar 2020, 6 winterns 3 weeks (F21); 8
	AML supplies and travel, SOSA						summer interns FY21/22/23; vehicle repair costs; additional Fleet Services
18	supplies)	160,573	145,900	198,217	179,217	179,217	lease on truck and 8 new Mesa tablets in 2021
26	Computer and IT	17,000	18,308	29,808	29,808	29,808	computer hardware/replacements; new FY21-23 EITS support (\$12k/yr)
30	Training	4,315	4,840	4,840	4,840	4,840	ESRI training
39	AML Contract	735,663	500,000	742,000	650,000	650,000	Contracted AML closure work
40	AML Conference (Sep. 2021)	4,315	0	220,000	0	0	pass-through, hosting 2021 NAAMLP Conference in So. Lake Tahoe
87 & 88 & 89	Cost Allocations (State, Purchasing, AG)	41,536	96,085	96,085	100,000	100,000	Purchasing assessment, AG cost allocation, State cost allocation
	EXPENDITURE TOTAL		\$2,372,985	\$2,898,918	\$2,568,908		
86	Reserve - Balance Forward to Next Year	\$1,834,822	\$1,113,070				
		\$634,822		\$510,085	\$494,637	\$494,910	Reserve Amount in excess of \$1,200,000 guidance 7

Budget Enhancements for Consideration

ptioi	nal AML Program Enahancem	ents		
		Initial or		
	Title	Fixed Cost	Annual Cost	Benefits Realized
				Field inventory and securing efficiencies due to
	Utility Terrain Vehicle (UTV) and			increased ease of access to more remote
Α	trailer	\$19,270	\$1,600	hazards
	Contract for Clark County			Approximately 800 features revisited/repaired
В	Revisit/Repairs	\$0	\$50,000	per year
				Upgrade licenses for all GIS users (3) plus Spatia
С	Enhance ArcGIS Capabilities	\$23,900	\$4,500	Analysis Toolbar (2)
				Approximately 150 sites/yr will receive
				characterization and analytical assessment prio
	Contract Hard Closure Site			to hard closure to mitigate loss of exploration-
D	Geologic Analysis	\$0	\$50,000	related point values
				Shorten the current 2-3 year lead time needed
				for cultural review component of NEPA for hard
				closure projects. \$50,000 contract would fund
Е	Contract Archaeological Surveys	\$0	\$50,000	cultural surveys of approximately 200-300 sites

Enhancement Impacts

	FY21 Forecast	FY22 Forecast	FY23 Forecast	Comments	
Revenue w/Bal Fwd	\$4,609,003	\$4,263,545	\$4,238,818	Forecast with base assumptions	
Expenditures	\$2,898,918	\$2,568,908	\$2,543,908	Forecast with base assumptions	
Reserve	\$1,710,085	\$1,694,637	\$1,694,910	Forecast with base assumptions	
End-of-Year Reserve Amounts With Enhancements					
	FY21 Forecast	FY22 Forecast	FY23 Forecast	Comments	
A (UTV)	FY21 Forecast \$1,690,815			Comments Upfront cost then minimal maint.	
A (UTV) A and B (CL AML)		\$1,673,767	\$1,672,440		
•	\$1,690,815	\$1,673,767 \$1,573,767	\$1,672,440 \$1,572,440	Upfront cost then minimal maint.	
A and B (CL AML)	\$1,690,815 \$1,640,815	\$1,673,767 \$1,573,767 \$1,545,367	\$1,672,440 \$1,572,440 \$1,539,540	Upfront cost then minimal maint. 2 year contract FY21-22	

CMR Guidance on Expenditures

Continuations

- Contracted AML \$650,000 per year for FY22/23
- NBMG contract \$190,000 for FY22/23 biennium
- PDAC ~\$25,000 per year for FY22/23 biennium
- NvMA Ed. Comm. \$30,000 for FY22/23 biennium
- New Proposals
 - AME Roundup \$8,000 per year starting FY21
 - AML Enhancements (A, B, C, D, E)

IV. OLD BUISNESS

IV. A <u>NBMG PROJECT UPDATES</u>

ATTACHMENT A SCOPE OF WORK

Background

The Nevada Commission on Mineral Resources [CMR] agrees to provide financial support for the University of Nevada, Reno, Mackay School of Earth Sciences and Engineering [MSESE]. In return the University of Nevada, Reno is prepared to make certain adjustments to the distribution of the Marigold Mines royalty income.

Terms of Agreement

The above parties hereby enter into the following agreement:

- 1. The CMR will provide funds to the University of Nevada, Reno for the benefit of the Mackay School of Earth Sciences and Engineering (MSESE) in the amount of \$2.00 per mining claim filing beginning July 2008. The amount paid to MSESE is based on the number of mining claim filing payments (NRS 517.185) received during the previous state fiscal year (July 1 through June 30) and continuing for a period of five years. The said funds will be transferred to MSESE every year and will not be subject to University overhead or administrative expenses.
- 2. It is understood and agreed that funds from this source are estimated by the CMR to be approximately \$440,000 for FY 2008, but the amount will vary from year to year based upon the pervious fiscal year mining claim filings.
- 3. It is understood and agreed that such funding is contingent on changes being made to the relevant state regulations by CMR to authorize such payments, and contingent upon approval by the appropriate governing bodies. It is anticipated by the parties that the appropriate regulation changes will be completed no later than December 31, 2008.
- 4. The use of the funds by MSESE must be for educational purposes in support of exploration and production of mineral resources in the State of Nevada (NRS 513.073, Secs. 1 and 2) as approved by the Board of Regents, the University of Nevada, Reno, and after consultation with the Dean of the College of Science and the Director of the MSESE, and the Nevada Commission on Mineral Resources.
- 5. In exchange for the payment of the funds to MSESE described herein above, the University of Nevada, Reno agrees to dedicate part of its future annual income from its Marigold Mine royalties for the support of the endowment(s) in MSESE for educational purposes in support of exploration and production of mineral resources in the State of Nevada as follows:
 - a. The University will retain the first \$500,000 of royalty income.
 - b. The University will direct the next \$250,000 of royalty income to an endowment in MSESE.
 - c. Any royalty income in excess of \$750,000 will be split equally between the University and the MSESE endowment.

d. Royalties directed to Mackay will not be subject to University overhead or administrative expenses.

Great Basin Science Sample and Records Library: Physical and Digital Curation and Mineral Industry Reports supported by the Commission on Mineral Resources and Nevada Division of Minerals (July 1, 2019 – June 30, 2020)

Emily O'Dean, David Davis, Craig dePolo, James Faulds Nevada Bureau of Mines and Geology

June 30 2020

Summary

This grant was provided to the Nevada Bureau of Mines and Geology (NBMG) by the Commission on Mineral Resources through the Nevada Division of Minerals (NDOM). It helped to support the production of the Mineral Industry Reports and physical and digital curation of both geologic samples from oil, gas, and geothermal wells in Nevada and geologic documents (e.g. mining district files), as part of the responsibilities of NDOM and NBMG. An important task involves assignment of well exploration permit numbers, which are collected and entered, anticipating incoming samples. Additional materials related to the wells, including well logs, are accessioned, scanned, and disseminated in web applications. Well core and cuttings are received and are sequestered at a separate GBSSRL satellite facility in Stead to avoid any pre-sequestration release of materials. Oil and gas well samples are sequestered for one year, and geothermal well samples are sequestered for five years. After the sequestration period, the samples are brought back to the main warehouse in the GBSSRL, where they are shelved and their location tracked. The samples are available for inspection and possible destructive sampling for assaying and other purposes at the GBSSRL. Any new information gained is collected by the Library and is available after sequestration to the general public at the facility and via web applications. The well information can be searched and viewed on several web applications, including text searches for oil and gas and geothermal well information and interactive GIS web map applications.

Additionally, the GBSSRL receives many donations annually of physical samples, documents, and other resources critical to the study of geology in Nevada. These are largely donated by private companies, geologists, and other members of the public. GBSSRL staff are responsible for the accession, shelving, cataloguing, digitization, and dissemination of these valuable donations. Much time and care goes into detailed metadata entry, quality assurance, proper database cataloguing, and maintaining and updating web applications. Funding provided by NDOM also supports the production of the Mineral Industry Report each year, which requires extensive staff resources to compile and publish. This report provides invaluable information on recent production and development of resources in Nevada. The GBSSRL receives very limited direct support, and this funding is therefore critical to maintaining these responsibilities.

Physical Samples and Acquisitions

The GBSSRL has been very active with acquisitions in the last year, receiving a large ORMAT geothermal core collection, releasing 14 sets of geothermal cuttings from sequestration, and receiving over 30 boxes of mining district files.

Core and Cuttings

In four shipments in Sept. 2019, Ormat Technologies, Inc. donated core for 25 geothermal wells, which consisted of 3435 core boxes containing 33,236.4 feet of core. Because of the research value of this core, we have accessioned and shelved this collection in its entirety rather than skeletonizing this collection. Thus, this was a major project for the GBSSRL. NBMG's warehouse technician spent much of his time at the GBSSRL clearing and consolidating shelves containing inventory to make room for this core. As of June 22, 2020, all of the core has been shelved.

Additional acquisitions include one set of two boxes of cuttings for an oil well (permit 977) drilled in June 2019 and received in September 2019. No cuttings were received for geothermal wells.

Fourteen sets of geothermal cuttings have been released from sequestration and transferred from the holding facility in Stead to the GBSSRL. At least 5 additional sets of geothermal cuttings have recently been released from the confidentiality period at Stead and need to be moved down to the GBSSRL.

Historic Documents and Maps

The GBSSRL also received several large donations of historic documents and maps. A donation of 3 boxes and 4 tubes of maps was received in May 2020 and included field notes, maps, and data from a deceased Nevada geologist. An additional donation was received in June 2020 of 30 boxes of historic mining files, including prospect evaluations, project evaluations with reports, detailed maps, geological and survey data, and drill records. These data will be accessioned and likely added to the mining district file collection.

Other donations received that support mineral exploration include 11 boxes of Nevada aerial photos provided by the USGS in February 2020. Most of the flights were conducted in 1953-54 and 1970-82. An effort to create a master catalogue of GBSSRL air photos began in 2019. The index for these recent donations will be integrated into the master database as the photos are accessioned and filed.

New Well Exploration Permits

Two new oil and gas permits (Permit Numbers 979, 980) were received. Permits were scanned as PDFs. In addition, 11 new geothermal permits (Permit Numbers 1478-1488) were received and scanned as PDFs. One mudlog was also added to the geothermal files – Permit Number 914.

Scanning and Metadata Entry

Oil and Gas Wells

Permits from three oil and gas wells from the previous fiscal year were scanned and uploaded (Permit numbers 977-979). Supporting documents from two existing oil and gas wells were scanned and uploaded (Permit number 117 and 655).

Well file folders were inventoried for completeness, and an additional 56 sample results pages, sample lists, correspondence, logs, geologic reports, and miscellaneous documents were scanned and uploaded (Permit numbers 74, 90, 142, 151, 172, 175, 226, 228, 237, 239, 270, 274, 279, 280, 300, 314, 321, 322, 366, 367, 371, 385, 397, 421, 427, 441, 446, 453, 460, 464, 473, 475, 476, 478, 484, 486, 496, 510, 516, 526, 531, 545, 546, 556, 557, 558, 565, 604, 609, 617, 618, 619, 681, 718, 719; API number 27-023-04001).

Approximately 30 sampling reports were received in the last year. These are in queue to be scanned and entered in the master database.

Geothermal Wells

Permits from seven geothermal wells were scanned and uploaded to NBMG web portals – metadata for these had been entered previously (Permit numbers 886, 1472-1477).

Supporting documents from thirteen existing geothermal wells were scanned and uploaded (Permit numbers 326, 327, 329, 345, 348, 351, 352, 354, 382, 490, 530; API numbers 27-001-80163 and 27-031-80164).

*<u>Mining District Files</u>

419 donated documents classified as mining district files were accessioned, assigned IDs, and metadata entered into the GBSSRL collection management system. Of these 419 documents, 50 have been scanned as high-resolution TIFFs, converted to PDF, and uploaded to the system. 150 additional documents will be scanned in July and August, with a September 1 release date on NBMG's online platforms (text search and interactive GIS web applications).

*Thin Sections

155 thin sections were photographed in both regular and cross-polarized light. This adds to the previous collection of \sim 100 thin sections that were photographed by the GBSSRL in spring of 2019. These photographs have been uploaded to the GBSSRL collection management system along with associated metadata and will be disseminated via a web map application in September 2020.

*These projects were primarily funded by the National Geologic and Geophysical Data Preservation Program and the University of Nevada, Reno, but were supplemented by NDOM/CMR support.

Mineral Industry Report

Starting in 1979, NBMG has issued annual reports that describe the mineral (precious and base metals and industrial minerals including aggregate), oil and gas, and geothermal activities and accomplishments in the state.

NBMG published the Mineral Industry (MI) Report for Nevada for 2018 in February of 2020 with support from the Commission on Mineral Resources and NDOM. This report includes production, reserve, and resource statistics; exploration and development—including drilling for petroleum and geothermal resources, discoveries of orebodies; new mines opened; expansion and other activities of existing mines; and a directory of mines and mills.

Compilation of the 2019 MI report is underway, and the report is expected to be published by December 2020.

Databases

Well data for both geothermal and oil and gas wells throughout the state have been migrated to an enterprise PostgreSQL relational database management system (RDBMS). The database infrastructure was designed and deployed in 2019 and is maintained by NBMG. Data structures are still preliminary and the database is an ongoing project for NBMG, but oil and gas and geothermal tables are operational and

currently support several web applications. This effort included cleaning Excel databases, conducting quality assurance, and transforming spreadsheets into a relational format in multiple tables in the PostgreSQL RDBMS. Web applications were updated to refer to data in the RDBMS so that data are updated dynamically in the web applications in real-time. Holding periods are flagged in the database so that data are not released prematurely. NBMG's text-based searches still reference text files, but this infrastructure will be updated in the upcoming year.

As part of the 2019 National Geologic Geophysical Data Preservation Program, scanned data are also migrated to a collections system for the GBSSRL. This system will store all PDFs and associated metadata, and will be a single resource for searching any digital object housed at the GBSSRL. This project is in-progress, and the collection system is not currently available to the public. However, data are actively catalogued in the system, and it will be released to a broader audience in 2021.

Online Dissemination

Oil and Gas

Oil and Gas Well Log files can be searched, viewed, and downloaded via a text-based web search hosted by NBMG. This application displays logs once the holding period is complete and was last updated in April of 2020.

http://www.nbmg.unr.edu/Oil&Gas/WellSearch.html

Metadata on wells throughout the state can also be viewed in NBMG'S Open Data Portal. Here, the entire dataset may be searched, viewed, and downloaded via an interactive web map interface. Data may be downloaded in a spreadsheet, KML, or Shapefile format. Data may also be accessed in GeoService and GeoJSON format. These data are dynamically populated from NBMG's PostgreSQL database, and thus the data displayed will reflect in real-time the contents of the database.

https://data-nbmg.opendata.arcgis.com/datasets/oil-and-gas-wells

<u>Geothermal</u>

Geothermal Well Log files can similarly be searched, viewed, and downloaded via text-based web search, and also via the National Geothermal Data System's (NGDS) web portal. Through NGDS, well log data may be accessed via a web feature service, map service, and as an Excel workbook. These data are dynamically populated from NBMG's PostgreSQL database, and thus the data displayed will reflect in real-time the contents of the database.

http://www.nbmg.unr.edu/Geothermal/WellInfo.html http://search.geothermaldata.org/dataset/nevada-well-logs

Metadata for wells throughout the state may be accessed via NBMG's Open Data Portal. Data may be viewed, searched, via the interactive web map. Data may be downloaded as a spreadsheet, KML, or shapefile. Data are also provided as a GeoService and GeoJSON. These data are dynamically populated from NBMG's PostgreSQL database, and thus the data displayed will reflect in real-time the contents of the database.

https://data-nbmg.opendata.arcgis.com/datasets/geothermal-wells

Recent Contributions Nevada Bureau of Mines and Geology

John Muntean, Bridget Ayling, and Jim Faulds Nevada Bureau of Mines and Geology University of Nevada, Reno Commission on Mineral Resources Meeting (Carson City, NV) July 9, 2020





Summary of Projects – FY20

- Commission has 2-year contract with NBMG to produce Mineral Industry Reports and archive well logs and cuttings
- Major FY20 projects:
 - 1. Mineral industry reports and sample curation \$35,000 (completed)
 - 2. Sample curation and related activities at GBSSRL \$20,000 (completed)
 - Scanning and updating of oil, gas, and geothermal well logs
 - Archiving of oil, gas, and geothermal cuttings
 - 3. Mineral resource database system \$40,000 (completed)
 - 4. Structural inventory of geothermal systems and epithermal mineral deposits \$35,000 (In progress with anticipated completion by September 30, 2020)

Project	Award	Expenditures (through July 1)	Remaining
MI Reports	\$35,000	\$35,000	\$0
Sample Curation	\$20,000	\$20,000	\$0
Mineral Resource Database	\$40,000	\$40,000	\$0
Geothermal Structural Inventory*	\$35,000	\$14,500	\$20,500

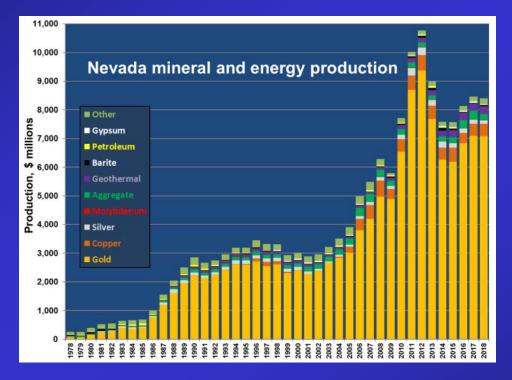
Summary of Projects – FY21

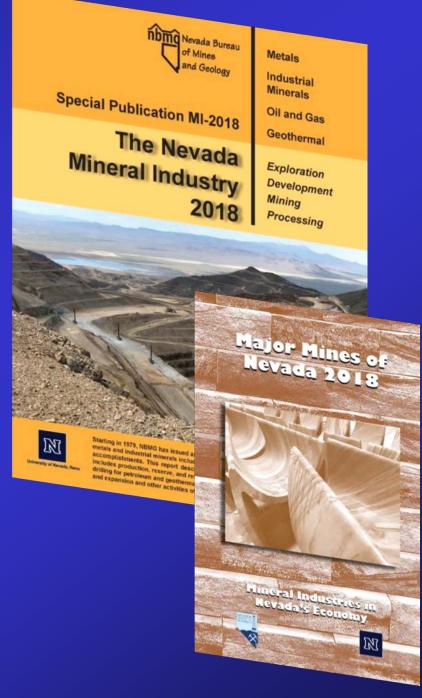
- Commission has 2-year contract with NBMG to produce Mineral Industry Reports and archive well logs and cuttings
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 - 1. Mineral industry reports and sample curation \$35,000
 - 2. Sample curation and related activities at GBSSRL \$20,000
 - Scanning and updating of oil, gas, and geothermal well logs
 - Archiving of oil, gas, and geothermal cuttings
 - 3. Exploration Survey \$35,000
 - 4. Structural inventory of geothermal systems and epithermal mineral deposits \$35,000 (In progress with anticipated completion by September 30, 2020)

Project	Award	Expenditures (July 1, 2020)	Remaining
MI Reports	\$35,000	\$0	\$35,000
Sample Curation	\$20,000	\$0	\$20,000
Exploration Survey	\$35,000	\$0	\$35,000
Geothermal Structural Inventory*	\$35,000	\$14,500	\$20,500

Mineral Industry Reports

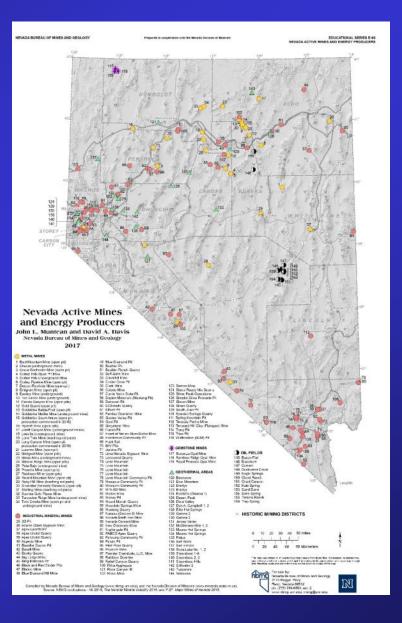
- \$35k allocated and expended
- Expended on staff and publications
- Completed and released 2018 Major Mines of Nevada.
- Completed and released 2018 MI report.





Major Mines in Nevada





Mineral Industry Report – 2018 Highlights



Exploration Development Processing





Starting in 1979, NBMG has issued annual reports that describe the mineral (precious and base metals and industrial minerals including aggregate), oil and gas, and geothermal activities and accomplishments. This report describes those accomplishments in Nevada for 2018, which includes production, reserve, and resource statistics; exploration and development-including drilling for petroleum and geothermal resources, discoveries of orebodies, new mines opened, and expansion and other activities of existing mines; and a directory of mines and mills.

- Value of mineral and energy production - \$8.4B
- Led nation in nonfuel production (led 9 of last 10 years)
- Gold 5.58 M ounces down 1.1% from 2017
 - 83% of nation's gold
 - 5.3% of world's gold
 - Nevada makes U.S. 4th largest producer in world
- Nevada led nation in barite production (\$19.9M)
- **Only state producing lithium** (\$64.6M)
- **Other major producers:**
 - Copper \$428M
 - Aggregate \$215M
 - **Geothermal \$266M**
 - **Silver \$126M**
- **Diatomite** $($47M) 2^{nd}$ in nation

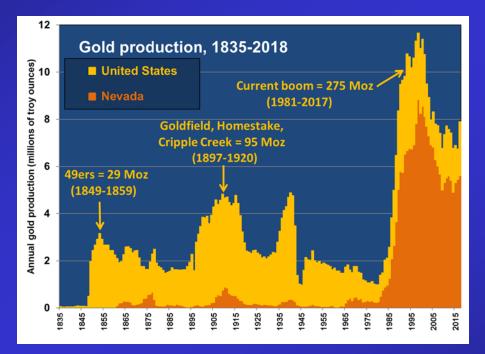
Mineral Industry Report

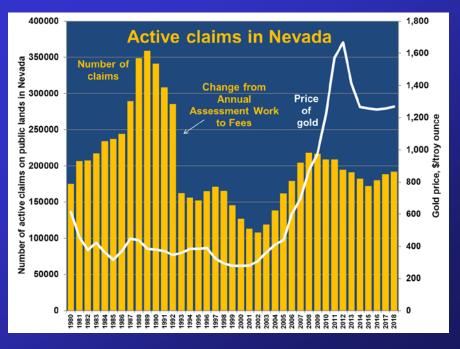




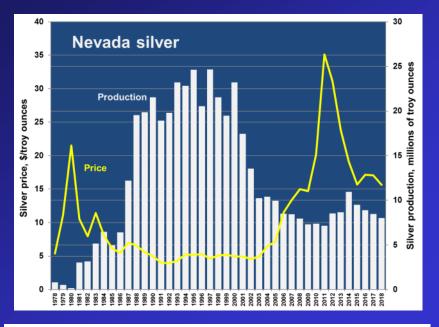


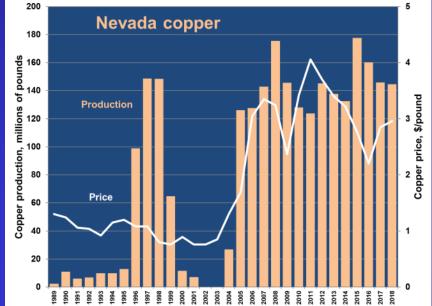
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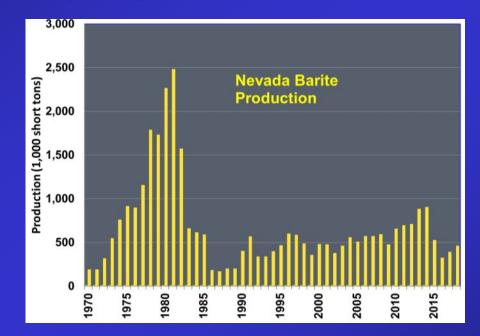


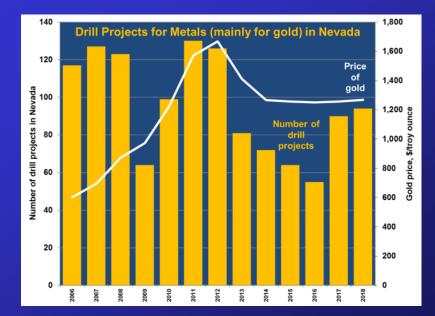


Mineral Industry Report

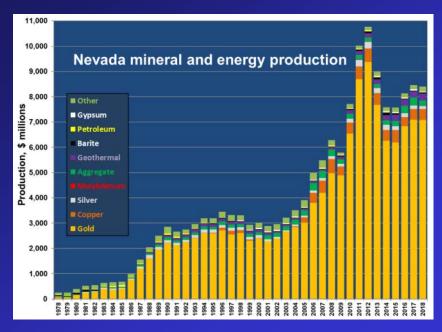


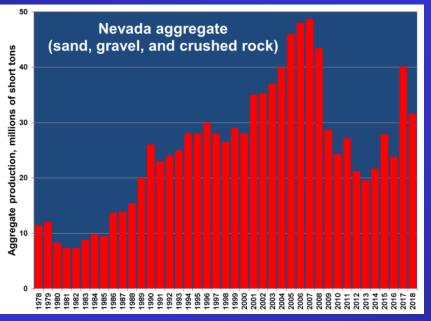


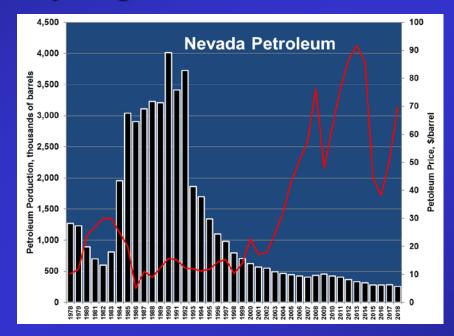


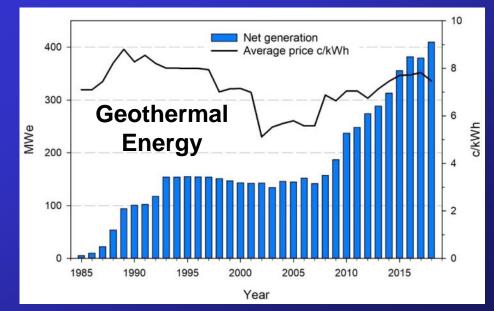


Mineral Industry Report









Sample Curation July '19 to June '20 Activities





Maintain staffing at GBSSRL

- Manager Craig dePolo/Emily O'Dean
- Physical Curator David Davis
- Student Workers

Oil and gas

- 2 new permits received and scanned, 3 others scanned and uploaded
- 2 boxes of cuttings received
- Well files were inventoried for completeness, and additional 56 sample results pages were scanned and uploaded to the web

Geothermal

- Large donation from Ormat of 3,435 core boxes from 25 geothermal wells, containing 33,236 feet of core
- 11 new permits received and scanned
- 14 sets of cuttings released

• Historic maps and data

- Metadata for 580 mining district files added to database, 50 have been scanned and others are in progress
- Received several large donations (>30 boxes) of historic documents and maps including prospect evaluations, geological and survey data, and drill records
- Received donation of 11 boxes of aerial photos dating 1953-54 and 1970-82

GBSSRL Digital Curation

Modernize and improve databases

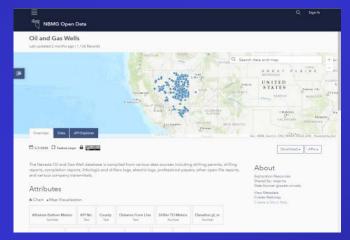
- Excel spreadsheets in the process of being migrated to central relational database for most GBSSRL collections
- Data are quality assured, cleaned, and inventoried for completeness as they are transferred to the new system

• Develop, maintain, and enhance web applications

- Text search updated and refined for oil and gas and geothermal well logs
- GIS web services and interactive web maps available for much GBSSRL data more being added continuously
- New digital web content management system in-progress for viewing and searching GBSSRL's documents, maps, records, and other holdings

• General web maintenance and updates

 New server for hosting all of NBMG and GBSSRL data and disseminating to the web – faster and more robust infrastructure





NBMG: State, National, International Impacts





- Major responsibilities at GBSSRL:
 - Curation

Publication Sales

– Information

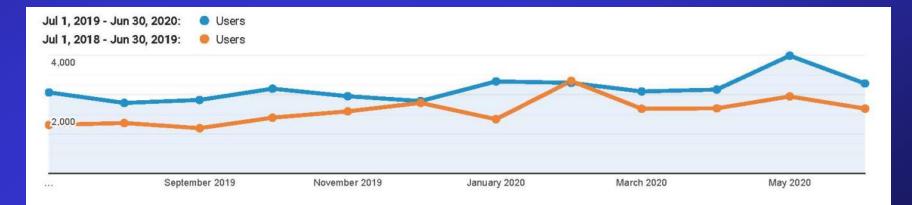
- Repository
 Collections
- Outreach
- Repository of all state's geologic data
- Critical for industries
- Crucial for public safety
- One year of activity (July 2019-June 2020) – all states, all continents, many countries



GBSSRL Activities and Visitation

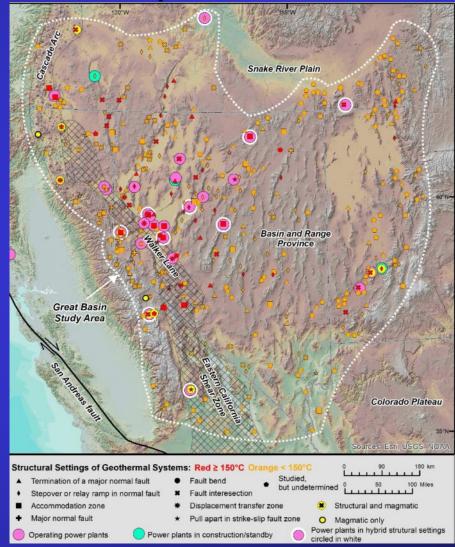


- Publications website usage (FY20):
 - **Users** 32,255 (up 38% from FY19)
 - **Desktop** 26,611
 - **Mobile 4,608**
 - Tablet 1,059
- Page views on shopping cart
 - **Bulletins** 1,593
 - Major Mines of Nevada 956 + 334 = 1,290
 - Maps 1,975
 - Mineral Industry Reports 983 + 679 = 1,662
 - Mining District Files 1,335 (only from cart)
 - Nevada Petroleum and Geothermal Society 355
 - Open-File Reports 1,977
 - About Us (COVID updates) 1,380 (up 251%)



Geothermal Structural Inventory Project: Publish Database of Structural Settings of Geothermal Systems and Young Epithermal Mineral Deposits

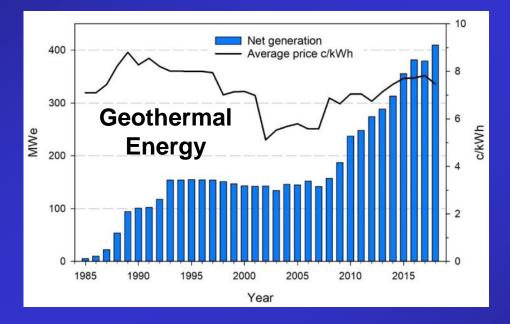
- Organize, QA, and publish structural settings dataset
- Add late Miocene to recent epithermal mineral deposits
- Released through NBMG open data site
- Interactive map and relational database
- Foster new geothermal and mineral exploration
- Supervised by Jim Faulds with assistance from Mark Coolbaugh and Eli Mlawsky
- Completion delayed till Sept 2020 for multiple reasons related to Faulds' schedule, lack of direct admin support in 2019, and staff obligations

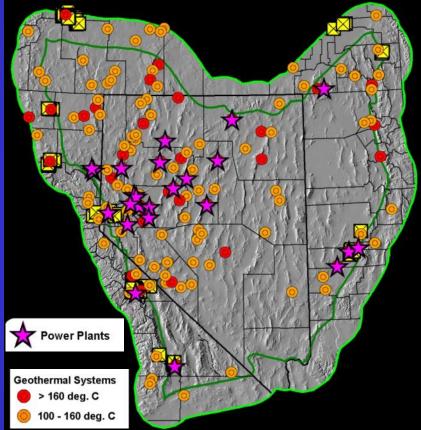


Structural Settings of Geothermal Systems – Great Basin Region

Great Basin – Geothermal Production

- Nearly 1 GW capacity in Great Basin region
- Much greater potential
- Most resources blind or hidden



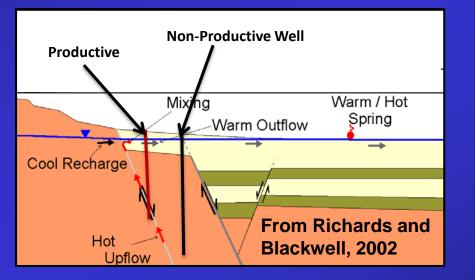


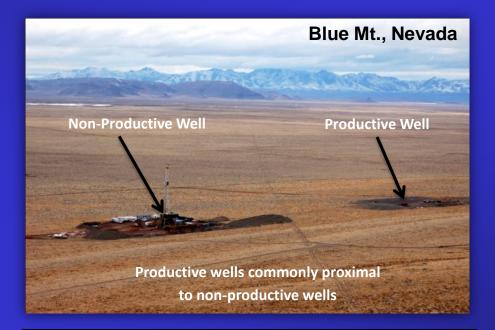
Great Basin Geothermal Systems: Distribution of Known Systems

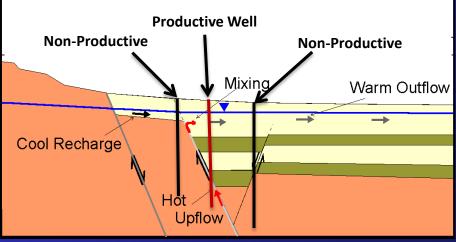
Geothermal Exploration Challenges

Exploration Challenges

- Spring directly above upflow from deep source (uncommon)
- Outflow from source (common)
- Hidden or blind systems (most common)
- 39% of known systems blind; estimated that 75% of all systems blind
- Results significant drilling risk
 - Hot dry wells
 - Overturn in down-hole temperatures
- Need better conceptual models to:
 - Locate areas of upflow
 - Avoid typically less productive outflow zones
- Capturing hydrothermal system in action

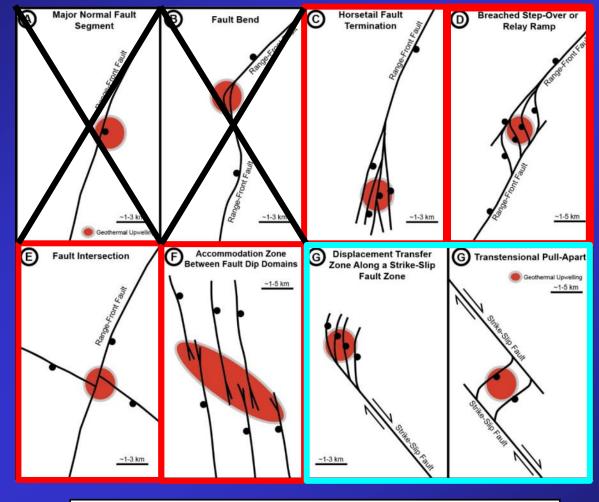


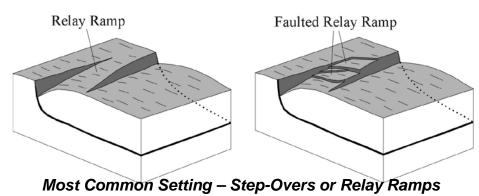




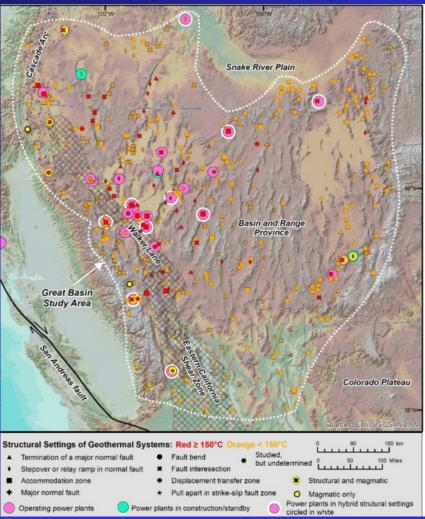
Favorable Structural Settings

- 450 systems analyzed;
 ~250 catalogued
- Most fields not on midsegments of major faults
- Most on less conspicuous Quaternary normal faults
- Higher temp systems generally on faults <750 ka
- Hybrid settings most productive





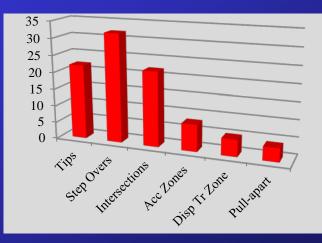
Structural Inventory: Major Findings



Structural Settings - ~400 Systems Analyzed



- Structural settings for geothermal fields:
 - Major normal fault (~1%)
 - Normal fault tip or termination (~22%)
 - Step-over or relay ramp in normal fault (~33%)
 - Fault intersection-normal and strike-slip or oblique fault (~22%)
 - Accommodation zone (~9%)
 - Displacement transfer zone (~5%)
 - Pull-apart (~4%)
- <u>Quaternary faults in most systems</u>
- Most common settings critically stressed fluid pathways more likely to remain open
- Many productive systems have >1 type of favorable setting at single locality
- Published database will facilitate exploration



IV. B <u>CONTRACTED CLOSURE WORK</u> <u>OPTIONS</u>



NDOM AML Contracted Work Update

7/9/2020 CMR Quarterly Meeting Rob Ghiglieri Deputy Administrator



Present-day AML Statistics

- > 23,497 Inventoried Hazards
 - 4,708 Not Secured
 - > 12,372 Fenced/Posted
 - ▶ 5,109 Backfilled/PUF
 - 1,308 BCC

Land Status

- ▶ 67% Federal
 - ▶ 58.5 % BLM
 - ► 7% USFS
 - 1.5% other Federal
- > 31% Patented/Private
- > 2 % other

- 108,240 non-hazard inventoried
- 1:4.6 Hazard to non-hazard ratio
 - Ratio of logged hazards to non-hazards
 - 1987-2000; 2:1
 - 2001-2006; 1:1
 - 2007-2010; 1:5
 - 2015-2018; 1:9
 - 2019; 1:21

NEVADA Division of Minerals

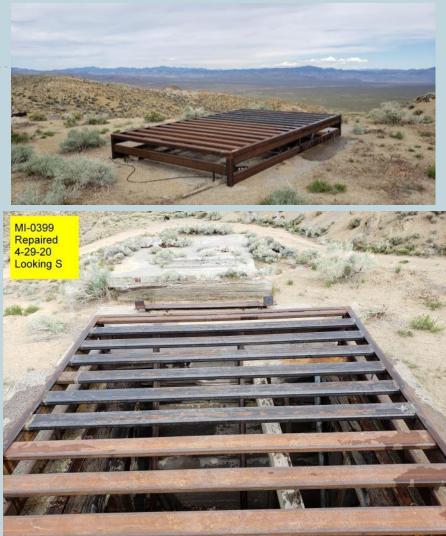
2020 Contracted AML Work

- Projects completed in 2020
 - Closures
 - Finished Como BCC's (12, Lyon County)
 - Repaired Kaiser Mine Cupola, Mineral County
 - Walker River State Park (101, Lyon and Mineral counties)
 - One last site waiting on wildlife
 - Fencing
 - Lida (85, Esmeralda County)
 - Queen of Sheba Mine (6, Pershing County)
 - MGL Mine (7, Pershing County)
 - Quartz Mountain (12, Nye County)
 - Western NV Orphans (60, ongoing)
- **BOR**
 - Nevada Eagle (42, Esmeralda County)
 - Pioche (44, Lincoln County)

- Upcoming 2020 Projects
 - Closures
 - Misfits Flat (6, Lyon County)
 - Pine Tree Mine (6, Mineral County)
 - Snake Range BCC's and repairs (23, White Pine County)
 - Linka Mine (6, Lander County)
 - Double O 2 (87, Potentially, Pershing County)
 - Fencing
 - Treasure Hill (96, White Pine County)
 - > 2020 Inventories (TBD)
 - Western NV Orphans (continuation)

Kaiser Mine



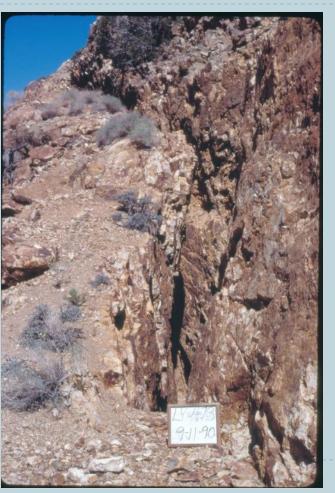


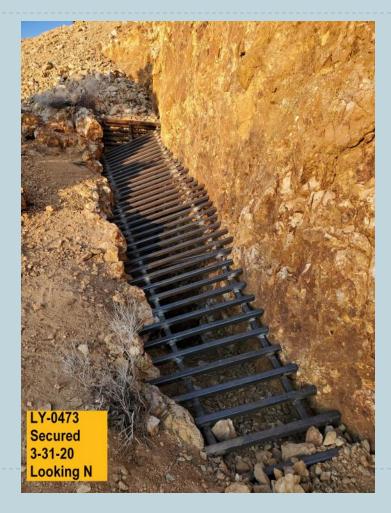
Como





Como







Walker River State Park



NEVADA Division Of MINERALS

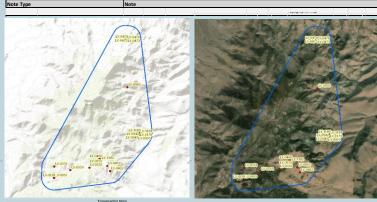


USACE RAMS Database Update

Initial AML Digitization Project

- Contractor TerraSpectra Geomatics 2006-2010
- AML Database Upgrade Project
 - Contractor TerraSpectra Geomatics
 - Started in 2014, projected through Federal FY2022
 - Initial database was Microsoft Access
 - ^{1st} updated to SQL (2016)
 - 2nd updated to SQL based Enterprise Geodatabase (2019)
 - Live mapping while logged into the server
 - AML Hard Closure Database (2020)
 - In testing phase
 - Notification Application (2021)
- Potential need for additional IT database contracting
 - TIN Submitted for 2022/2023







Contracted Work Forecast

Upcoming projects

- Continued Fencing
 - Orphans in Western Nevada Area
 - Areas with large clusters of Orphans
 - > 2020 Staff and Intern Inventories

Revisit Program for Southern Nevada

- Use Southern NV summer data to develop new RFP
- VC Grand Prix (21, Storey County)
- Olinghouse (30-40, Washoe County)
- Pine Nuts (40-50, Carson, Douglas, & Lyon counties)
- Poinsettia Mine (4, Churchill County)
- Searchlight (40, Clark County)
- Nelson (~113, Clark County)
- Twin Buttes (5, Pershing County)



Contracting AML Budget

- Category 39 FY20
 - Budgeted \$740k
 - Projected expenditures \$735K
 - Remaining \$5k
- Category 39 FY21
 - Budgeted \$500k
 - Forecasted \$742K in Closure Projects



Contracts in place NDOM's AML Contract (2017)

- Total Funding
 - □ \$2,400,000
 - \$1,360,700 remaining (Not including WRSP)
- Expires in February 2022
- Bat Gate Contract (2019)
 - For Good of the State
 - Total Funding
 - □ \$500k
 - □ \$300k remaining
 - Expires in 2023
- Potential New Contracts
 - □ Southern NV Revisit
 - Database Management
 - Cultural Surveys

Current Partnerships/Agreements

USFS

- \$103,190 life of agreements
- ~\$20,000 available
- Reimbursement only
- Expires 2022

► BLM

- > \$750,000 total Grant amount
- \$400,000 utilized Grant funding
- \$200,000 funding obligated
- \$150,000 remaining in grant
- Expires 2021

NPS

- Potential work in 2020/2021 out of Lake Mead area.
- US Army Corps
 - RAMS Program



NATIONAL SYSTEM OF PUBLIC LANDS

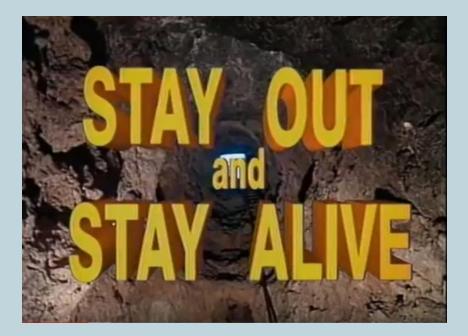
J.S. DEPARTMENT OF THE INTI





AML Video RFP Update

- RFP awarded to THS
 Visual LLC
 - Created videos for multiple state agencies in the past
 - ▶ \$40,000 contract
 - Amended Contract to extend for Covid-19 restrictions
 - Anticipated shooting: July/August 2020
 - Anticipated finishing: December 2020.





NAAMLP 2020 2021



2¹⁰ ANNUAL CONFERENCE NEVADA

202

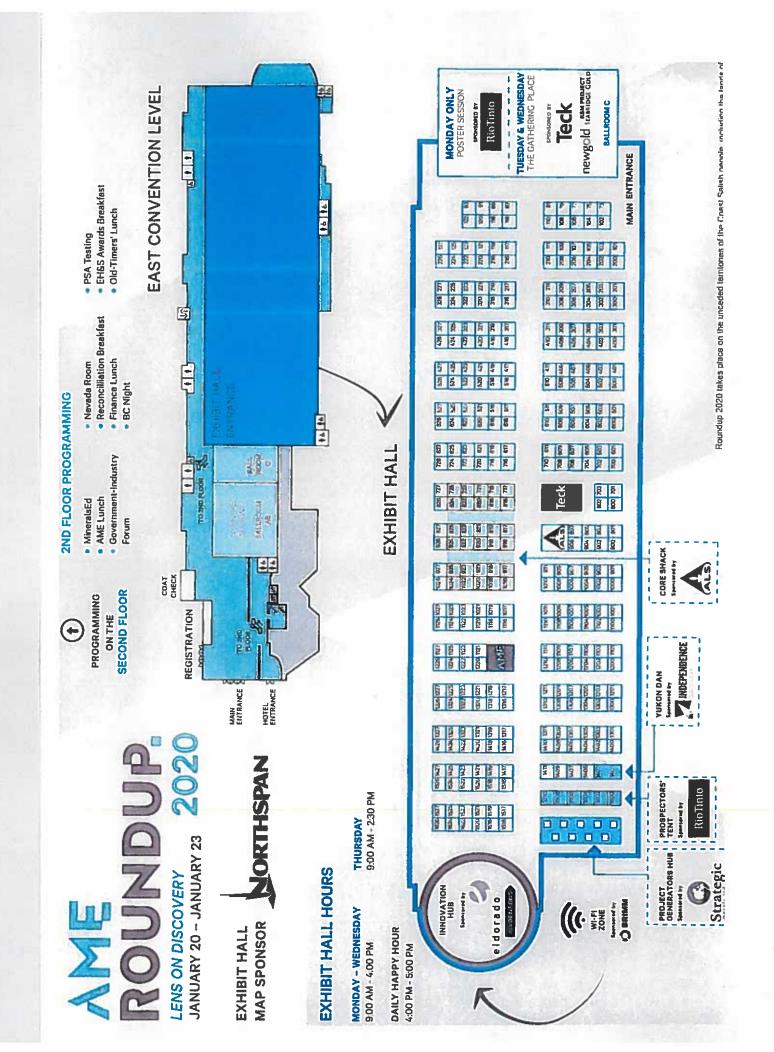
http://naamlp2020.com & soon http://naamlp2021.com

IV. C <u>AME ROUNDUP CONFERENCE</u> <u>EXHIBIT</u>

2020 AME Roundup Conference – January 20-23, 2020, Vancouver, BC

Fact Findings

- ~5,600 attendees
- ~400 exhibitors
- 2020 cost was \$3,885 (CAD) per 10' x 10' space
- Nevada was placed on waiting list for a space in 2021, no commitment
- On average, 20-30 10' x 10' spaces become available each year
- A 20' x 20' space, like at PDAC, is hard to come by without major changes
- Exhibit costs for 2021 will be released mid-summer(ish)
- The location of Nevada Explorer's Lounge (2nd Floor, Room 18) "Nevada Room" is removed from most attendee traffic but as a rented room its location is the best available. More signage desperately needed.
- The Exhibit Hall is large and well-lit with wide aisles.
 - o Innovation Hub venue for topical discussions or product demos
 - Project Generators Hub venue for companies to showcase exploration projects
 - o Prospectors' Tent venue for independent prospectors
 - o Core Shack venue for display of core from new discoveries
- AME Roundup competes slightly with CambridgeHouse International's Vancouver Resource Investment Conference, which took place nearby on January 19 and 20.
- Having a floor presence with one 10' x 10' exhibit space would provide a venue for answering general Nevada questions but would also increase awareness of, and help drive traffic to, the Nevada Room.





Roundup 2020 Exhibitor List as of December 12, 2019

Exhibitor	Booth Number(s)	Exhibit Days	
62 Degrees North Inc	1226	Mon-Thurs	
Abitibi Geophysics Inc	608	Mon-Thurs	
Accurate Industries Canada	1418	Mon-Thurs	
Activation Laboratories Ltd.			
(Actlabs)	801	Mon-Thurs	
AGAT Laboratories Ltd.	77	Mon-Thurs	
Agilent Technologies	305	Mon-Thurs	
Agnico Eagle	1010	Mon-Thurs	
AIL Mining	426	Mon-Thurs	
Air Tindi Ltd.	1304	Mon-Thurs	
Alaska Structures, Inc.	211	Mon-Thurs	
ALLBUTT MINING SUPPLIES	223	Wed-Thurs	
ALS Global	809/811/908/910	Mon-Thurs	
ALX Exploration & Mining Supplies	225	Wed-Thurs	
ALX Uranium	1208	Mon-Thurs	
AMC Mining Consultants	1027	Mon-Thurs	
Anachemia Science a VWR			
Company	620	Mon-Thurs	
Analytical Solutions Ltd.	1120	Mon-Thurs	
APEX Geoscience Ltd.	1626	Mon-Tues	
Archer, Cathro & Associates (1981)			
Limited	826	Wed-Thurs	
ArcWest Exploration Inc.	1622	Wed-Thurs	
Association for Mineral Exploration			
(AME)	1117/1119/1216/1218	Mon-Thurs	
Atlas Drilling Ltd.	304	Mon-Thurs	
Auracle Geospatial Science Inc.	318	Mon-Thurs	
Aurora Geosciences Ltd.	1209	Mon-Thurs	
Avidian Gold Corp	727	Wed-Thurs	
BC Ministry of Energy, Mines and			
Petroleum Resources	617/619/621/716/718/720	Mon-Thurs	
BC Regional Mining Alliance	1171	Man Thurs	
(BCRMA)	1121	Mon-Thurs	
BC Securities Commission	222	Mon-Tues	
BC Treaty Commission	224	Mon-Tues	
BCIT - Mineral Exploration and		Mon Thurs	
Mining		Mon-Thurs	
Blackstone Minerals	206	Mon-Thurs	



Blind Creek Resources Ltd. /		
Engineer Gold Mines Ltd.	926	Wed-Thurs
Blue Coast Research	402	Mon-Thurs
BMC Minerals	1026	Wed-Thurs
Boart Longyear	410	Mon-Thurs
Britannia Mine Museum Society	1425	Wed-Thurs
Bureau Veritas	1410/1311	Mon-Thurs
Burgex Inc.	222	Wed-Thurs
C.J. Greig and Associates Ltd.	1201	Mon-Thurs
Camfil Farr APC/Envirotech Air	1004	Mon-Thurs
Canada Revenue Agency	807	Mon-Thurs
Canadian Association of Petroleum		
Producers	1527	Mon-Tues
Canadian Helicopters Limited	904	Mon-Thurs
CanNor	1206	Mon-Thurs
Canyon Equipment	202	Mon-Thurs
Carlson Software Inc.	226	Wed-Thurs
Caron Business Solutions Inc.	403	Mon-Thurs
CartoCanada Inc.	1517	Mon-Thurs
Carube Copper Corp.	73	Mon-Thurs
CDN Resource Laboratories Ltd.	606	Mon-Thurs
Cementation Canada Inc.	1405	Mon-Thurs
Centerra Gold Inc.	326	Wed-Thurs
CGG	907/909	Mon-Thurs
Challenger Geomatics Ltd.	104	Mon-Thurs
Chrono Aviation	1525	Mon-Tues
CIM (Canadian Institute Of Mining, Metallurgy and Petroleum)	827	Mon-Tues
Coast Mountain Geological Ltd.	405	Mon-Thurs
Colorado Resources Ltd	627	Mon-Thurs
Computational Geosciences	1522	Wed-Thurs
Condor North Consulting ULC	1520	Mon-Thurs
Constantine Metal Resources Ltd.	1417	Mon-Thurs
Corescan Inc	1118	Mon-Thurs
Corporate Traveller	526	Mon-Thurs
Crone Geophysics & Exploration	520	
Ltd.	1007	Mon-Thurs
Crown-Indigenous Relations and		
Northern Affairs Canada	1420	Mon-Thurs
Crystal Lake Mining	220	Mon-Thurs



Datamine	1006	Mon-Thurs
Deakin Industries	1111/1210	Mon-Thurs
DGI Geoscience Inc	1123	Mon-Thurs
Dias Geophysical	722	Mon-Thurs
Di-Corp	208/210	Mon-Thurs
Discovery Group	1017	Mon-Thurs
Discovery International Geophysics		
Inc.	1106/1104	Mon-Thurs
Discovery Mining Services	625	Mon-Thurs
Drillwell Enterprises	324	Mon-Tues
DRIVING FORCE Vehicle Rentals,		
Sales and Leasing	1624	Mon-Tues
Drone Delivery Canada	219	Mon-Thurs
Eagle Mapping Ltd.	310	Mon-Thurs
Eagle Plains Resources Ltd. /		
Terralogic Exploration Inc.	706	Mon-Thurs
Earth, Environmental and		
Geographic Sciences - UBC Okanagan	1618	Mon-Thurs
Eastfield Resources Ltd.	805	Mon-Thurs
Ecofish Research Ltd.	1205	Mon-Thurs
Elemental Controls Limited	1622	Mon-Tues
EMX Royalty Corp.	1022	Mon-Thurs
Enersoft	1220	Mon-Thurs
Engineers and Geoscientists BC	1425	Mon-Tues
Ensol Systems Inc	927	Wed-Thurs
	324	Wed-Thurs
Equity Exploration Consultants Ltd ERM	803	Mon-Thurs
		Mon-Tues
Evrim Resources Corp.	1427	
Expert Geophysics Limited Extreme Products Inc. / Talik	302	Mon-Thurs
Industrial Inc.	1108/1110	Mon-Thurs
FORACO CANADA LTD.	404	Mon-Thurs
Fordia Group Inc	1103/1105	Mon-Thurs
Foremost Industries	303	Mon-Thurs
Foundex Explorations Ltd.	401	Mon-Thurs
Frontier Geosciences Inc.	1402	Mon-Thurs
Frontier Power Products Ltd.	417	Mon-Thurs
	1.4.1	
Full Force Diamond Drilling Ltd.	1303	Mon-Thurs



Galaxy Broadband		
Communications Inc.	421	Mon-Thurs
Geometrics	323	Mon-Thurs
Geophysx Jamaica Ltd	504	Mon-Thurs
Geoscience BC	217	Mon-Thurs
GeoSpark Core Database System	1427	Wed-Thurs
Geotech Drilling Service Ltd.	1217/1219	Mon-Thurs
Geotech Ltd.	1019/1021	Mon-Thurs
Geotic Inc.	108	Mon-Thurs
Globalstar Canada Satellite Co.	111	Mon-Thurs
Go Metals Corp.	1523	Mon-Tues
Golder Associates Ltd.	408	Mon-Thurs
Goldspot Discoveries Corp.	1616	Mon-Thurs
Government of Greenland	516/518	Mon-Thurs
Government Of Nunavut	1317	Mon-Thurs
Government of Saskatchewan	602	Mon-Thurs
Government of the Northwest	· · · · · ·	
Territories/Northwest Territories		
Geological Survey	1323/1325/1327/1422/1424	Mon-Thurs
Government of Yukon	87/89/91/93/116/118/120	Mon-Thurs
Great Slave Helicopters 2018 Ltd.	624	Mon-Thurs
GroundTech Solutions Ltd.	1519	Mon-Thurs
GroundTruth Exploration	600	Mon-Thurs
GT Gold	1221	Mon-Thurs
Hardrock Diamond Drilling Ltd.	309	Mon-Thurs
Hatfield Consultants	322	Mon-Tues
HDI & Amarc	101	Mon-Thurs
Hecla Mining Company	117	Mon-Thurs
HEG & Associates Exploration		
Services Inc.	424	Mon-Thurs
Helicopter Transport Services	000	Man Thurs
(Canada) Inc.	900	Mon-Thurs
High Power Exploration (HPX)	306	Mon-Thurs
HiSeis Pty. Ltd.	326	Mon-Tues
HydraCore Drills	1301/1400	Mon-Thurs
Hyperspectral Intelligence Inc.	1408	Mon-Thurs
Hy-Tech Drilling Ltd.	517/519/616/618	Mon-Thurs
HyVista Corporation	1524	Wed-Thurs
ICD	1125	Mon-Thurs
ICOM Canada	1626	Wed-Thurs



Imago	1207	Mon-Thurs
Imdex Limited	1300/1302	Mon-Thurs
Imperial Metals Corporation	611	Mon-Thurs
Independence Gold Corp.	1008	Mon-Thurs
INFOSAT Communications LP	501/503	Mon-Thurs
Initial Exploration Services Inc	1526	Wed-Thurs
Instrumentation GDD Inc.	710	Mon-Thurs
Integrated Sustainability	1524	Mon-Tues
International Directional Services	327	Mon-Thurs
Ireland - iCRAG and Geoscience Ireland	1518	Mon-Thurs
IRL Supplies Ltd.	1316/1318	Mon-Thurs
Island Key Computer LTD / Lenovo	1624	Wed-Thurs
Kasteel Construction and Coatings		-
Inc.	1222	Mon-Thurs
Kemetco Research	926	Mon-Tues
Kenn Borek Air Ltd	322	Wed-Thurs
Knight Piesold Ltd	227	Mon-Tues
Komplete Modular Solutions Ltd.	1101	Mon-Thurs
Krux	1419	Mon-Thurs
Laurentian University	524	Mon-Thurs
Lorax Environmental Services Ltd.	702	Mon-Thurs
Macon Industries Inc	1000	Mon-Thurs
Major Drilling	1002	Mon-Thurs
Malvern Panalytical	205	Mon-Thurs
Maptek	1522	Mon-Tues
Marathon Gold	227	Wed-Thurs
Margaux Resources Ltd.	123	Mon-Tues
Matrix Camps, Logistics & Aviation		
Management	1306	Mon-Thurs
Maxwell GeoServices (Canada) Inc.	1107	Mon-Thurs
MBI Drilling Products Inc.	1407	Mon-Thurs
McCue Engineering Contractors	320	Mon-Thurs
McElhanney	102	Mon-Thurs
MDRU - Mineral Deposit Research		
Unit, UBC	1011	Mon-Thurs
MICROMINE	1202	Mon-Thurs
Midas Gold Corp.	1026	Mon-Tues
Midnight Sun Drilling Inc	1126	Mon-Thurs
Mincon Canada	1309	Mon-Thurs



Minerva Intelligence Inc.	500	Mon-Thurs
Mining Industry NL	411/510	Mon-Thurs
Mira Geoscience Ltd.	411,515	Mon-Thurs
MMD Mineral Sizing (Canada) Inc.	724	Mon-Thurs
Mobile Augers and Research	204	Mon-Thurs
MSALABS	307	Mon-Thurs
Mud Bay Drilling (2015) Ltd.	609	Mon-Thurs
Multi-Power Products Ltd.	418/420	Mon-Thurs
National Compressed Air Canada	+20/+20	
Ltd.	1310	Mon-Thurs
Natural Resources Canada	319/321	Mon-Thurs
Network Innovations	703	Mon-Thurs
New Age Drilling Solutions	1620	Mon-Thurs
New Brunswick Department of		
Natural Resources and Energy		
Development	901/903/905	Mon-Thurs
Newfoundland and Labrador		
Department of Natural Resources	407/409/506/508	Mon-Thurs
New-Sense Geophysics Ltd.	1109	Mon-Thurs
Nolinor Aviation	604	Mon-Thurs
North Point Helicopters Ltd.	525	Mon-Thurs
Northspan Explorations Ltd.	201	Mon-Thurs
Northwest Territories Regions	1223/1225/1227/1322/1324/1326	Mon-Thurs
Northwestel Inc.	121	Mon-Thurs
NorZinc Ltd	406	Mon-Thurs
Nova Scotia Department of Energy		
and Mines	- 300	Mon-Thurs
Nunavut Tunngavik Incorporated	1416	Mon-Thurs
NWT & Nunavut Chamber Of		
Mines	1426	Mon-Thurs
Omega Drilling	103	Mon-Thurs
Ontario Ministry of Energy,		
Northern Development and Mines	224	Wed-Thurs
OrbitGarant Drilling	1025	Mon-Thurs
Orix Geoscience Inc	520	Mon-Thurs
Overburden Drilling Management		
Limited	622	Mon-Thurs
Pacific Geomatics Ltd.	1203	Mon-Thurs
Peter E. Walcott & Associates		Man Thurs
Limited	317	Mon-Thurs
PhotoSat	81	Mon-Thurs



Pilot Diamond Tools	1409	Mon-Thurs
Placer Gold Design	906	Mon-Thurs
Pothier Enterprises Ltd.	701	Mon-Thurs
Precision GeoSurveys Inc.	502	Mon-Thurs
Precision Petrographics Ltd.	422	Mon-Thurs
Precision Service & Pumps Inc.	423	Mon-Thurs
Privateer Gold Ltd	505	Mon-Thurs
Procon Mining & Tunnelling Ltd.	603	Mon-Thurs
Prolenc Manufacturing Inc	311	Mon-Thurs
Prospectors & Developers Association of Canada (PDAC)	1001	Mon-Thurs
Prospectors Supplies Pty Ltd. (Core		
Safe Core Trays)	75	Mon-Thurs
Quantec Geoscience	427	Mon-Thurs
Quantum Machine Works Ltd.	1404/1406	Mon-Thurs
Radius Drilling Corp.	1003	Mon-Thurs
Raymac Environmental Services		
Inc.	1423	Mon-Tues
Robertson Mfg Ltd	425	Mon-Thurs
Rocklabs Automation Canada	1200	Mon-Thurs
S&P Global Market Intelligence	110	Mon-Thurs
Sabina Gold & Silver Corp.	127	Wed-Thurs
Sander Geophysics	507	Mon-Thurs
SCHRAMM	325	Mon-Thurs
SciAps Canada	1305	Mon-Thurs
Secure-Rite Mobile Storage Inc	1127	Mon-Thurs
Seequent	1122/1124	Mon-Thurs
Selwyn Chihong Mining Ltd.	203	Mon-Thurs
Sepro Laboratories	1102	Mon-Thurs
SGDS Hive	1516	Mon-Thurs
SGS Canada Inc.	216/218	Mon-Thurs
SHA Geophysics Ltd.	106	Mon-Thurs
Sharp Logistics and Hauling	1421	Mon-Thurs
Silvertip Technologies	1525	Wed-Thurs
SJ Geophysics Ltd.	800/802	Mon-Thurs
Skeena Resources Limited	826	Mon-Tues
Skyline Assayers & Laboratories	708	Mon-Thurs
SkyTEM Canada Inc.	1411	Mon-Thurs
SLAM Exploration Ltd.	105	Mon-Thurs



SLR Consulting (Canada) Ltd.	1308	Mon-Thurs
Small's Expediting Ltd.	119	Mon-Thurs
Society of Economic Geologists Inc.		
(SEG)	316	Mon-Thurs
SolGold Pic	109	Mon-Thurs
SPECTIR	605	Mon-Thurs
SRC-Geoanalytical Laboratories	610	Mon-Thurs
SRK Consulting (Canada) Inc.	1211	Mon-Thurs
Stantec Consulting Ltd.	521/523	Mon-Thurs
State of Alaska	607	Mon-Thurs
Stephen Smith, Inc./Larry R.		
Moyer Exploration, LLC.	79	Mon-Thurs
Stewart World Port	419	Mon-Thurs
Stockholm Precision Tools	221	Mon-Thurs
Stuhini Exploration Ltd.	902	Mon-Thurs
Summit Air Ltd.	509/511	Mon-Thurs
Summit Camps	125	Wed-Thurs
Superior Propane	223	Mon-Tues
SurveyTECH Instruments &		
Services	1319/1321	Mon-Thurs
Talisker Resources LTD	1005	Mon-Thurs
Team Drilling LP	527	Mon-Thurs
TECH Directional Services Inc.	1320	Mon-Thurs
Teck Resources Limited	707/709/711/806/808/810	Mon-Thurs
Tectonic Metals Inc.	1527	Wed-Thurs
Terra Remote Sensing Inc	225	Mon-Tues
Terrace Business Resource Centre	125	Mon-Tues
Terrace Kitimat Airport Society dba		
Northwest Regional Airport		
Terrace-Kitimat	207	Mon-Thurs
TerraCore	1009	Mon-Thurs
Terrane Geoscience Inc.	209	Mon-Thurs
Terraplus Inc.	1100	Mon-Thurs
Terraquest Ltd.	1116	Mon-Thurs
Tetra Tech	107	Mon-Thurs
Thane Minerals Inc.	911	Mon-Thurs
The Answer Company	1307	Mon-Thurs
The Northern Miner	601	Mon-Thurs
The Valard Group of Companies	1526	Mon-Tues
The valary group of companies	1520	INIOII-IUES

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Tintina Air	522	Mon-Thurs
Tlicho Investment Corporation	1204	Mon-Thurs
TMC Geophysics	623	Mon-Thurs
Trans North Helicopters	727	Mon-Tues
TSL Laboratories	308	Mon-Thurs
Tufport Industries Ltd.	400	Mon-Thurs
Tundra Sales Inc.	301	Mon-Thurs
University of Alberta	127	Mon-Tues
Van Houtte Coffee Services	827	Wed-Thurs
Veolia Water Technologies Canada		
Inc.	927	Mon-Tues
Weatherhaven	200	Mon-Thurs
Western Alaska Copper & Gold	1521	Mon-Thurs
Western Drilling Tools Inc. / Ernco		
Environmental Drilling & Coring		
Inc.	123	Wed-Thurs
Wood	700	Mon-Thurs
X10 Networks	626	Mon-Thurs
Xplornet Enterprise Solutions	1423	Wed-Thurs
Yukon Chamber of Mines	122	Mon-Thurs
Yukon College Centre for Northern		
Innovation in Mining	226	Mon-Tues
Yukon Dan Gold Panning	1401/1403	Mon-Thurs
Zimtu Capital Corp.	726	Mon-Thurs
Zoetica Environmental Consulting		
Services	1523	Wed-Thurs
Zonge International Inc.	1023	Mon-Thurs



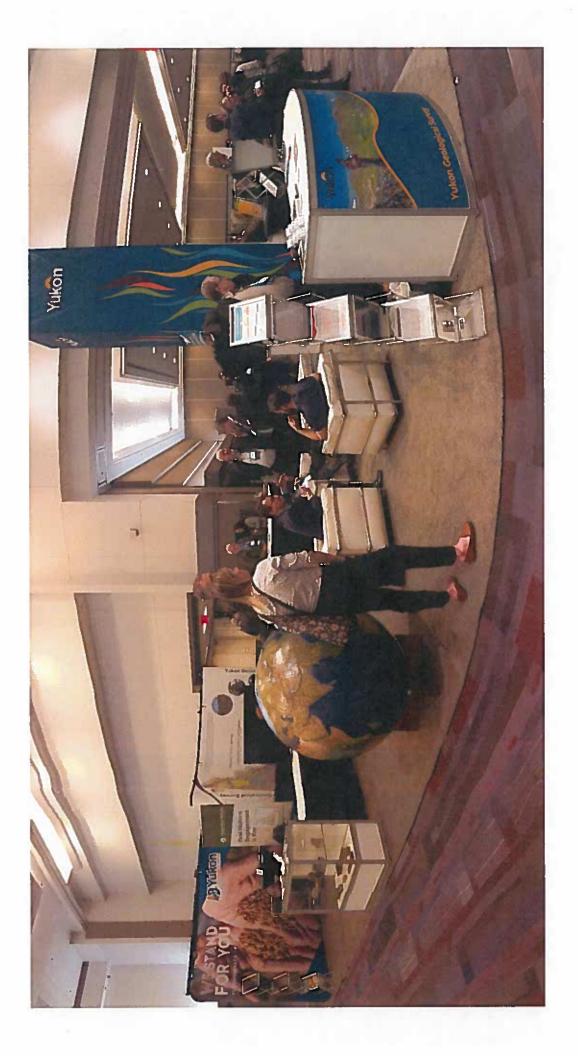


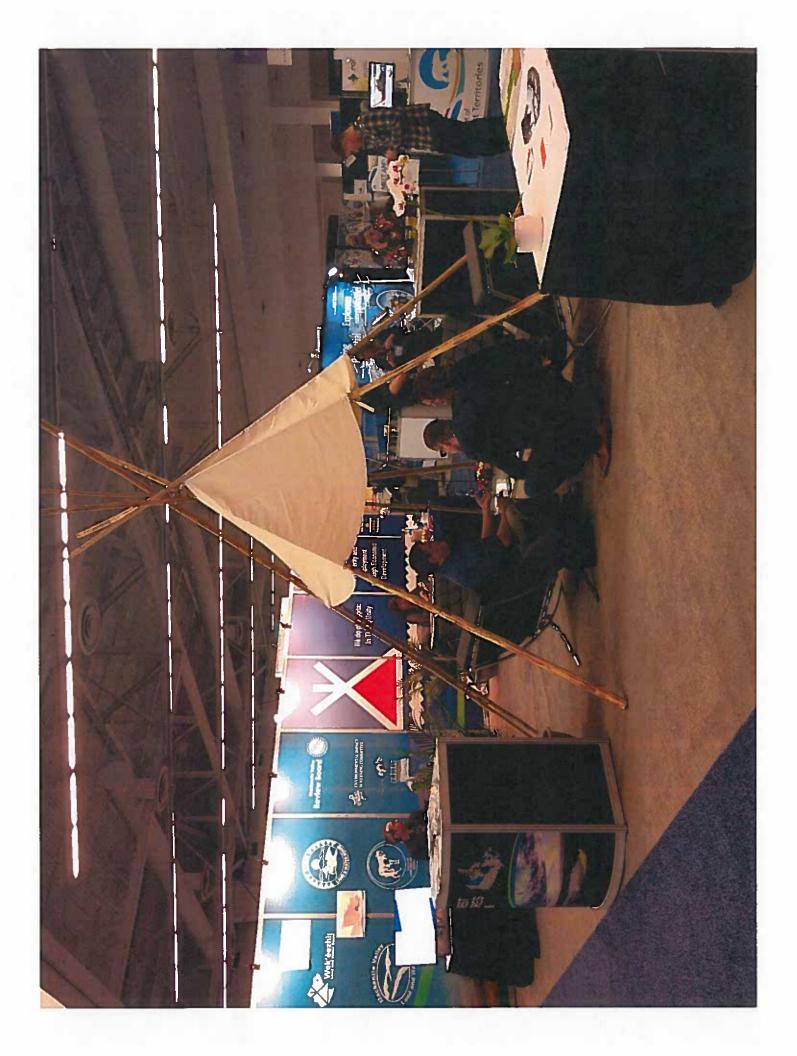


E.

Rich and diverse mineral potential

th wan ca/in





2020 A	ME Round	2020 AME Roundup Estimated Exhibit	: Expenditure:	s (Top 20 Jurisdic	it Expenditures (Top 20 Jurisdictions in 2018 Fraser Report)	r Report)		
Jurisdiction	Exhibitor	Booth #	10 x 10 units (\$3885/each for 4 days)	Rented Exhibit Cost	Rented Furniture Cost	AV Cost	Total with GST (CAD)	Total (USD)
Nevada	٩ ٥							
Western Australia	Ŋ		3					
Saskatchewan	Yes	602	1	\$0	\$1,150	\$1,000	\$6,337	\$4,81 6
Quebec	No							-
Alaska	Yes	607	1	\$1,600	\$0	\$0	\$5,759	\$4,377
Chile	No							
Utah	No							
Arizona	No							
Yukon	Yes	87-93, 116-122	60	\$3,000	\$1,800	\$2,000	\$39,774	\$30,228
Northwest Territories	Yes	1223-1227, 1322-1326	12	\$4,600	\$2,100	\$500	\$56,511	\$42,948
Newfoundland and Labrador	Yes	407-409, 506-508	9	\$8,000	\$500	\$2,500	\$36,026	\$27,379
Manitoba	No							
Queensland	No							
Peru	٩ ٥						-	
Nunavut	Yes	1317, 1426	1	\$0	\$0	\$0	\$4,079	\$3,100
Idaho	Q							
Finland	No							
British Columbia	Yes	617-621, 716-720	9	\$5,200	\$2,100	¢Ο	\$32,141	\$24,427
Ontario	Yes	224	1	\$0	\$0	\$0	\$4,079	\$3,100
Ireland	Yes	1518	1	\$0	\$0	\$0	\$4,079	\$3,100
* Each 10 x 10 includes 6 full delegate passes	elegate passes							

AME Roundup Budget Estimate

Proposal: 2 staff, one 10' x 10' exhibit space, utilize existing agency exhibit materials, and minor furniture rentals Jan 18-21, 2021

Travel:			USD	CAD	Notes	Editable Fields	Fields
	Airline					# of employees (RNO): 2	: 2
		LAS	\$350.00	NA	Est. mid-range fare	# of employees (LAS): 0	: O
		> RNO	\$296.70	AN	Actual cost from 2020	# of nights: 4	:: 4
	Taxi					# of days: 5	: 5
		> Airport to Hotel	\$7.50	\$10.00		CAD/USD =[0.75	= 0.75
	Î	> Hotel to Airport	\$7.50	\$10.00		Hotel Rate	Hotel Rate: 2020 A-R + 10% + tax
						AME Membership	AME Membership: 1 needed for space
	Hotel						
	1	> Max per-diem	\$193.00	NA		Totals by category	
	Î	> Max P-D + tax	\$221.95	NA	GST is 5%, PST in BC adds 7%, MRDT adds	Airfare \$593.40	0
		> Max P-D + 10%	\$221.95	NA		Local Trans: \$30.00	
		> Max P-D + 10% + tax	\$280.77	NA		Hotel: \$1,738.11	1
	1	> 2020 Actual Rate	\$171.75	\$229.00	https://roundup.amebc.ca/attendees/hotel-	M&IE: \$1,400.00	0
	<	> 2020 A-R + tax	\$197.51	\$263.35	visitor-info/	Admission: \$236.25	
		> 2020 A-R + 10% + tax	\$217.26	\$289.69		Exhibit: \$3,965.06	9
	Other					Total: \$7,962.82	2
	M&IE/day		\$140.00	NA	GSA Rate 2020		I
Conference:	e:						
	AME Membership	ership					
		1 needed for space	\$236.25	\$315.00			
	Exhibit Space 10' x 10'	10' × 10'	\$3,059.44	\$4,079.25	25 Includes 6 full delegate passes		
Exhi	ibit Furniture	Exhibit Furniture Tables and chairs	\$905.63	\$1,207.50			
Re	ented Exhibit	Rented Exhibit None, see note #2	\$0.00	\$0.00			
		Total:	\$7,962.82				

Notes:

(1) 2020 exhibitor rate was \$3,885 CAD + GST for each 10'x10' space.

(2) The exhibit would utilize existing agency display equipment and materials.

COMMISSION BUSINESS – STAFF REPORTS

Current to:	6/30/2020								
Entry Date	Bond Amount	% of Pool	Comments	Dep	oosit	Premiums Paid	% Bond Whole	Premium Schedule	Current thru
11/17/2006	\$14,643.00	0.57%	Bond reduced from \$24,364 5/20	\$	7,328.32	\$18,198.99	174.3%	\$73.22 quarterly	6/30/2020
4/15/2005	\$727,087.00	28.30%		\$	415,856.34	\$366,659.72	107.6%	\$3,635.44 quarterly	6/30/2020
5/21/2004	\$430,088.00	16.74%		\$	233,171.91	\$282,433.84	119.9%	\$2,150.44 quarterly	9/30/2020
5/24/2000	\$45,875.39	1.79%	terminated	\$	-				
5/24/2000	\$100,450.00	3.91%	terminated	\$	-				
5/24/2000	\$114,288.77	4.45%	terminated	\$	-				
1/27/2010	\$78,161.00	3.04%		\$	39,615.03	\$48,350.33	112.5%	\$390.81 quarterly	6/30/2020
8/11/2014	\$373,981.00	14.56%		\$	200,648.22	\$182,686.32	102.5%	\$1,869.91 quarterly	6/30/2020
various	\$684,194.00	26.64%	59 Notice-level bonds						
								Premiums past due	
	\$2,568,768.16	100.00							
	\$3,728,195.82								
	-\$1,159,427.66								
	145.1%								

NDOM LV Office Relocation

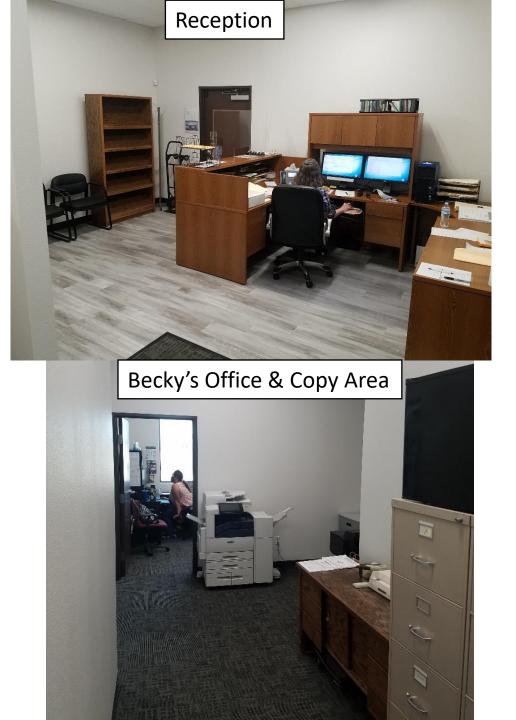
- 375 E. Warm Springs Rd. Ste. 205, Las Vegas, NV 89119
- 9-year lease
- Co-located with NDEP
 - Shared multi-stall restrooms
 - Break room
 - Security camera system
 - Alarm system
 - Network infrastructure
- Finished on time and under budget
- Began operating at new location on Jun 29th







Secure Vehicle Storage NDOM Entry Door (2nd Floor) ⇒<u>EXII</u>≁ Banarian Banarian Banarian San Banaria





OIL, GAS, AND GEOTHERMAL ACTIVITY

Permit Type	Issued	Drilled	Issued	Drilled	Issued	Drilled	Issued	Drilled
	2017	2017	2018	2018	2019	2019	2020	2020
Geothermal - Ind Production	6	4	3	4	1	1	2	1
Geothermal - Ind Inj	4	4	1	1	3	2	1	1
Geothermal - Observation	3	1	3	3	1	1	4	
Geothermal - TG	19	15	18	19	2	2	1	1
Geothermal - Com								
Geothermal - Dom	2	2						
Geothermal - Project Area	1							
Geothermal - Total	35	26	25	27	7	6	8	3
Oil & Gas	0	1	3	1	3	1	2	1

2020 Permitting and Drilling Activity (through June 29, 2020)

		Ormat Nevada	Ormat completed drilling the Dixie Meadows 14-8 injection well in April. ORNI 47 (Ormat Nevada) permitted four observation well permits for the Wild Rose Field in February, and the 48-11 production well in April. Two proposed production wells in Crescent Valley and one production well in New York Canyon are in the permitting process. Project Area Permit applications have been submitted for Crescent Valley and New York Canyon.				
Recent Activity	Geothermal	USG Nevada (Ormat Nevada)	USG Nevada permitted two injection wells ~3.5 miles north of the San Emidio Plant, near the previous Wind Mountain Mine area, in July, 2019. USG Nevada drilled the first of the two wells in September 2019. NDOM approved the location move and change in drilling program for the second injection well in June 2020. This well should spud in July 2020.				
		Star Peak Geothermal	Star Peak Geothermal permitted the Rye Patch 88-21 production well in April. This well was drilled during May. The new plant at Rye Patch is being constructed.				
	Oil	SAM Oil	SAM Oil drilled the White River Valley 1-9 in May. This well was permitted in February, 2019.				
		Western Oil Exploration	Western Oil Exploration permitted the 25-1 and 35-1 exploration wells with the BLM and NDOM in May. The 35-1 well is expected to spud in August. Both wells have permitted depth of 10,000 feet.				
		Major Oil International	Major Oil International is currently working through the permitting process with the BLM and NDOM in permitting the Eblana 9 exploration well in Hot Creek Valley.				
		West Grant Canyon Development	West Grant Canyon Development permitted the Butterfield 1 exploration well In Railroad Valley in June, 2019. This well is expected to spud in April or May, 2020. The permitted depth is 8,000 feet.				

Summary of 2018 - 2020 Dissolved Minerals Activity

Type of Activity	Permits Issued 2020	Permits Drilled 2020	NOI Approved 2020	NOI Drilled 2020
Exploration Well Permits				
Notice of Intent Approvals				

No exploration well permits for dissolved minerals were issued during 2019 and 2020. The last DMRE exploration well drilled is the LithiumOre 1, drilled in Railroad Valley in 2019. This exploration well remains open during its initial two year permit status. 3PL Operating will plug and abandon the LD 1-32 exploration well in Railroad Valley during August 2020.

Other operators and areas of DMRE activity during the 2018 to 2020 time frame are:

- Sierra Lithium: Columbus Salt Marsh and Clayton Valley, 2 exploration wells drilled
 - Four exploration well permits issued, two each in Columbus Salt Marsh and Clayton Valley
 - One exploration well drilled in each project area in 2018, both wells plugged.
- Mathers Lithium: Western Clayton Valley
 - One borehole drilled in 2018, borehole was plugged
- Bonaventure Nevada: Sarcobatus Flat
 - One borehole drilled in 2018, borehole was plugged
- Belmont Resources: Kibby Basin, Monte Cristo Range area
 - One borehole drilled in 2018, one borehole drilled in 2019, boreholes were plugged
- American Lithium: Fish Lake Valley
 - One borehole drilled in 2019, borehole was plugged
- Fort Cady California: Salt Wells
 - One borehole drilled in 2019, borehole was plugged
- Great Basin Resources: Salt Wells
 - One borehole drilled in 2019, borehole was plugged

Summary of Geothermal and Oil Well Inspections for Fiscal Year 2020 (as of 6/29/2020)

FY 2020 Well Inspections	Total Wells	Wells Needed for FY20	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (13 Locations)	452	151	184	122.1%	-33
Oil (23 Locations)	120	40	120	300%	-80
Totals	572	191	304	159%	-113

The two remaining open DMRE exploration wells, 3PL LD 1-32 and LithiumOre 1, were inspected in June 2020. Both wells are located in Railroad Valley. The 3PL LD 1-32 will be plugged in August, 2020.

Proposed Permits and Sundry Notice Activity (through June 29, 2020)

The Division currently has five geothermal and one oil permit applications under review. Ormat Nevada has submitted Project Area applications for Crescent Valley and New York Canyon. Ormat Nevada has submitted two production well applications for Crescent Valley and one production well application for New York Canyon. The Division is also reviewing an exploration well application submitted by Major Oil International for a well location in Hot Creek Valley. Fifteen geothermal and one oil sundry notices were reviewed and approved during the second calendar quarter of 2020. There are currently no pending sundry notices.

BLM Lease Sales

The June 9th BLM Oil and Gas Lease Sale was postponed to a later date. The March 24t BLM Oil and Gas Lease Sale incorporated parcels located within the Battle Mountain District. A total of 45 parcels, totaling 70,110.921 acres, were offered. The sale had six bidders. Two parcels received bids, covering 1,222.563 acres. The highest bid per acre was the minimum bid of \$2.00. Total receipts for the March24th competitive sale were \$4,620.50. No parcels were sold in the subsequent non-competitive sale. All parcels were protested. The BLM did not remove any of the parcels from the sale. The next BLM Oil and Gas Lease Sale is scheduled for September 8, 2020. This sale will be a multiple BLM District sale. The number of parcels and the acreage has not been posted on the Nevada BLM website as of June 29th.