Thursday, July 22, 2021 1:00 P.M.

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.

ACTION WILL NOT BE TAKEN

I. AGENDA
   A. Approval of the Agenda
      FOR POSSIBLE ACTION

II. MINUTES
    A. Approval of the May 13, 2021 meeting minutes
       FOR POSSIBLE ACTION

III. NEW BUSINESS
    A. Introduction of New Commissioner and Reappointments
       FOR DISCUSSION ONLY
       Stephanie Hallinan, Environmental Superintendent at Kinross Gold’s Bald Mountain Mine was appointed by Governor Sisolak for a Large-Scale Mining position and Commissioners Bain, Henderson, and Korpi were reappointed.

    B. Election of new Mineral Commission Chairman
       FOR POSSIBLE ACTION
       Pursuant to NRS 513.043, the Commission shall select a chair who serves at the pleasure of the Commission. At the February 2018 meeting, the Commission adopted a practice of choosing a chairman every two years. The Chair may select a vice-chair.

    C. The Discovery Museum Exhibit Proposal
       FOR POSSIBLE ACTION
       The Discovery Museum has requested financial assistance from the Commission for the creation and installation of a rock and mineral exhibit similar to what was recently installed at the Las Vegas Natural History Museum. A review of
the project and proposed budget will be presented for consideration. Garrett Wake

D. 2021 Northern Nevada Earth Science Education Teachers Workshop
FOR DISCUSSION ONLY
Six Division staff were involved in the Teachers Workshop held in June and jointly sponsored by NDOM and the Nevada Mining Association. A summary of the event will be provided. Rob Ghiglieri

E. Request for support for the Nevada Earth Science Teacher’s Workshop
FOR POSSIBLE ACTION
The Education Committee of the Nevada Mining Association has requested support of $15,000 per year for 2021-2022. In the past the Division has provided this support in the form of rock and mineral kits, reference books, hand lenses and educational supplied that NDOM buys directly for the workshops. Rob Ghiglieri

F. 2020 Annual Status and Production Overview
FOR DISCUSSION ONLY
An overview of the 2020 mineral production in Nevada will be presented. Lucia Patterson

IV. OLD BUSINESS
A. Legislatively-Approved 2022-2023 Budget and 2021-23 Budget Forecast
FOR DISCUSSION ONLY
The Nevada Legislature approved the CMR-NDOM biennial budget in June. A summary of the approved budget and FY21-23 forecast will be presented. Mike Visher

COMMISSION BUSINESS
A. Review of staff monthly activity reports.
FOR DISCUSSION ONLY
B. Set date for next Commission meeting
FOR DISCUSSION ONLY

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 SNuckolls@minerals.nv.gov

The Commission will be attending a field trip before the meeting to Ormat’s Steamboat Geothermal facility in South Reno. The Commission will meet at Ormat’s front gate located at 1010 Power Plant Dr., Reno, NV 89521 at 9 a.m. Closed toe shoes are required; Ormat will supply hard hats and safety glasses. Members of the public may attend but must provide their own transportation and safety equipment. Advanced notification is required. Please call Sherrie Nuckolls at (775) 684-7043.
II. MINUTES
Thursday, May 13, 2021  
1:00 P.M.

MINUTES

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<tr>
<th>Commissioners</th>
<th>Staff</th>
<th>Public</th>
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<tr>
<td>Rich DeLong</td>
<td>Mike Visher</td>
<td>Jim Faulds, NBMG</td>
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<td>Mary Korpi</td>
<td>Rob Ghiglieri</td>
<td>John Muntean, NBMG</td>
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<td>Art Henderson</td>
<td>Sherrie Nuckolls</td>
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<td>Josh Nordquist</td>
<td>Rebecca Ely</td>
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<td>Nigel Bain</td>
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<td>Bob Felder</td>
<td>Cortney Luxford</td>
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<td>Randy Griffin</td>
<td>Anthony Walsh, DAG</td>
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CALL TO ORDER
1:00 PM by Richard DeLong

COMMENTS BY THE GENERAL PUBLIC
None

AGENDA

A. Approval of the Agenda

**Anthony Walsh**: Made open meeting announcement regarding Governor Sisolak’s directive for the suspension of the open meeting law requirements for in-person meetings. That directive will be expiring on June 1st which means a physical location for a meeting will be required. However, Commissioners may still attend electronically it just needs to be at a location where the general public can attend or call in. Also, the physical posting requirements will be reinstated.

**Richard DeLong**: Thanked Anthony.

**Motion to approve the agenda made by**: Mary Korpi.
**Seconded by**: Josh Nordquist.
**Unanimously approved**.

II. MINUTES

A. Approval of the March 11, 2021 quarterly meeting minutes

**Motion to approve the March 11, 2021 minutes made by**: Randy Griffin.
**Seconded by**: Bob Felder.
**Unanimously approved**.

III. NEW BUSINESS

A. **Introduction of New Fluid Minerals Program Manager**

**Mike Visher**: Announced Cortney Luxford as Lowell Price’s replacement who started on May 3rd.
Cortney Luxford: Introduced himself and spoke a little bit about himself and his background.
Richard DeLong: Was your experience in the Central Valley of California?
Cortney Luxford: Mostly the Northern Valley. I worked for a small operator, so I got to do leasing, rights-a-way, legal documents, geophysics, mapping, kind of a broad bit of experience with the industry.
Richard DeLong: I got my undergrad degree at Cal State Chico and a lot of the geologists there went into the gas fields in and around the Sacramento area so I’m familiar with the fields.
Mike Visher: Cortney’s been very busy combing through the information left behind by Lowell and trying to reorganize some of the information, get acquainted with our filing, and our various systems. He is also learning and getting to know some of the other folks at other agencies that we deal with, especially over at NDEP and their underground injection control folks. He’s doing a great job getting started here and has some good ideas on how we can further the program. We’re happy to have him here.
Richard DeLong: Great.
B. Update of 81st (2021) Session of the Nevada Legislature
Mike Visher gave an update on bills with potential to impact the minerals industry along with a status report on the agency’s biennial budget.
Richard DeLong: Asked when the deadline date for a bill moving out of the house of origin.
Mike Visher: That’s already gone by unless a bill has been declared exempt. If a bill is declared exempt it can live on all the way up until it dies. This Friday any bill must clear the second house if it wasn’t exempt.
Richard DeLong: Asked when would AB148 take effect and what about applications that are currently in process.
Mike Visher: Mike explained that it would not affect those who are currently being reviewed, the statute would be effective upon passage of the legislature. The regulations would have to be adopted through NDEP and SEC, probably a year away due to workshops, etc.
Richard DeLong: Okay.
Richard DeLong: Asked if Greg Lovato with NDEP will be involved in the discussions regarding AB240 with Assemblyman Watts.
Mike Visher: He could be, but I think right now the Assemblyman needs to understand more about the distinctions between the agencies and what we do. The various components of our outreach are something I don’t think he understood. Our outreach is very basic earth science outreach and is not an indoctrination into the minerals industry but is much broader in scope. The impacts to K-12 classrooms are very large and very much appreciated. There is a place for all of that and that place is here at the Division. I don’t think he understood any of that when he introduced the bill. He never had any discussion with any of the agencies before he submitted the bill to LCB, nor did he discuss it with the Governor’s office.
Richard DeLong: Where I was coming from is would Greg be the best vehicle to explain the limitations of the State Environmental Commission as it relates to special knowledge to the Minerals Commission has relative to fluid minerals.
Mike Visher: For sure, I agree with that. Chairman Porta with SEC was on the first hearing for this but there were never any questions asked of anybody. I think this just speaks to more education is required.
Nigel Bain: With the money from the federal government, has that put a lot of tax initiatives on the back burner or are they still smoldering away?
Mike Visher: I think they are still very much in play. There’s unfinished business that they are still looking to address from the special session. That needs to be addressed somehow either by one of these joint resolutions or a compromise bill. I expect that one of those or more will move forward and we’ll see that play out in the next couple of weeks.
Rich DeLong: Is ACR3 exempt?
Mike Visher: It is just because it’s a concurrent resolution, it can travel all the way to the end. It could also move along really fast. I think it could be sitting in the wings waiting for what happens with the mining bills.
Jim Faulds: Yes, regarding SCR10, I have a meeting with Senator Spearman tomorrow afternoon so we’ll discuss that, we know that the state could use a broad assessment of lithium resources. The Bureau hasn’t completed this but the USGS has done a little bit for a few individual basins. I will give some background on that and see what she thinks. I can’t ask for funding, but I can say that additional resources would be needed to carry out this kind of broad study. Understanding lithium resources are complex and more than one type of lithium resource. To do a proper assessment would be probably a couple of years’ analyses. The state could benefit greatly on that.
Mike Visher: She did reiterate during the hearing that the bill is not intended to open anything up or close anything off its really just to get a better understanding of where the current state is on these and how Nevada has a roll in it. I think it's a smart move.

Jim Faulds: I would agree.

Presenter John Muntean was not in attendance in the meeting at this time and the item was Tabled for another meeting.

D. Summer AML Program Plans
Rob Ghiglieri presented a PowerPoint and discussed the summer intern program and the new AML billboard.

Mary Korpi: Stated that recently she and her husband stayed in Tonopah and the next day when they were heading out the billboard caught their eyes and said it really looks good and is in a perfect location.

Rob Ghiglieri: Eventually there will be a sign on the other side of the panel as well. We wanted to test the first sign and then move forward from there. Tonopah has a much cheaper rate, only $200 a month compared to a billboard in Reno at $1,800 a month. So, for the price it is a pretty good deal for an area that has a lot of abandoned mines.

IV. OLD BUSINESS

A. Soliciting Donations for NBMG Projects
Mike Visher went over a bullet list outlining suggestion for soliciting donations which was briefly discussed at the January meeting.

Randy Griffin: Asked if these are projects by UNR or UNLV or who’s doing what project.
Mike Visher: Initially this topic came up with regards to the special projects that the Commission approved to be funded to be done by the NBMG, this was the Lithium study/report and the report on the geology of Railroad Valley. Initially Commissioner Henderson suggested that we reach out to Tesla or Albemarle to see if they had any interest in supporting the project through donation of money to the Bureau so this is one way we could address that.

Randy Griffin: Okay, so those are the two projects that I remember from the January meeting so we’re talking those specific two projects, not a project from UNR is doing something and we go out to a specific industry, it’s not something wholesale it’s those specific projects?

Mike Visher: At this point and relating to our past discussion yes but because of the role that you play it could be anything that you’re aware of that the university being UNR or UNLV is doing, if it was something that you were acting as a liaison bringing two big different groups together, it’s something you might do at a casual meeting.

Randy Griffin: Okay, so it’s an overall outreach program to help UNR or UNLV on these two projects and future ones. Is that the kind of project you’re talking about going forward?
Mike Visher: Yes.

Jim Faulds: Just a couple of things, it’s probably going to be best to think of this as specific projects so that the donations go where someone wants them to go and of course, as you probably know, there’s a completely separate development group, they collect donations, The Development Group at the College of Science at UNR would be completely separate. It would be good to think of this separately and with specific to the Bureau. It does take some time for a contribution by the time folks sign off on it, and they might want the tax credit, so if it’s a significant donation that can take a couple months to set up.

Art Henderson: The way I remember this Mike is that we were asking for donations so that we could possibly do the third project as well. We thought all three projects were very well suited and we chose two but we were asking for donations so that would allow us to do the third project, this is how I remember it.
Mike Visher: So, then the third project going forward would be contingent on having enough funds coming in through donations or if we had additional funds that came in to support the lithium report in a sufficient amount that the Commission could then reallocate some of those monies to the third project, is that what you’re thinking then?
Art Henderson: Yes, that’s what I was thinking when I said contact Tesla because they would be the most interested in lithium I would think, so that’s my understanding is that the first two projects that were approved we thought the third
project was still a valid project and a very good one so we said let’s go ahead and try to get some donations from corporations to allow us to do that third project as well.

**Mike Visher:** Perhaps what we need to do is to consider the two projects that have already been approved and then try to come up with some company contacts to pursue for donations while at the same time looking at the third one as a potential project and then if there are donations that come in then we can look at reallocating the offset of those donations to the third project at another meeting.

**Randy Griffin:** What I’m hearing Mike is that we ask for donations for all three projects and then if we get enough to do all three then we allocate it that way, is that a good assumption on my part?

**Art Henderson:** Randy, my memory and anybody can tell me if I’m wrong is we’ve already funding the first two projects, we have enough money to do those. We were asking for donations for the third project this is how I remember it.

**Rich DeLong:** Could I suggest Mike you coordinate with whichever Commissioners you think appropriate to come up with a list of companies that might be appropriate to ask for donations for the three different projects and then circulate that to the Commissioners for them to provide input and then identify whatever companies make it out of that review lets identify contacts and then allocate those to the appropriate Commissioner or Commissioners to contact those companies. Does that make sense to the group, Mike to you?

**Mike Visher:** Before we get to that point, I guess I would want to ask Jim if he can recall the discussion about the workload capacity at the Bureau for those three projects there was some limitations as I recall.

**Jim Faulds:** Yes, thank you Mike. Unfortunately, we do have limitations since the great recession mode most of our cartographic GIS staff has been self-funded so it’s always this fine balance between really trying to get as many projects as we can and keep that group going and keep it producing good things for the state. We determined that three funded projects although very worthy projects are very much appreciated would be difficult for us to crank out three funded projects within the two-year biennium so there are some work force limitations unfortunately and made even be worse now with the budget cuts that are coming down right now, two projects are fine but if there’s a third fully funded project right now, we probably could not produce that within the next biennium.

**Mike Visher:** So for the two projects that have been funded, the Railroad Valley and the lithium report, if we solicited donations towards either of those projects are there add on components that could be funded through that additional donation either as an extension of the project or how the final product is put forward, put out to public that those monies could be used for that would essentially make that product go a little bit further for either add-ons that could be tacked onto that project because now you have some additional funding.

**Jim Faulds:** Yes, within limits of course we could make each project go further. The Railroad Valley project, maybe it’s additional cross sections, maybe it’s having a more interactive interface on the actual published map, clicking on a well and seeing well logs and things like that. If the lithium report, for example, can be coupled with the story map to have a better digital interface with the general public. So, there are add-ons we could do to both within limits.

**Randy Griffin:** Let’s say Tesla donated $5,000 for the lithium report, of course they’re going to want a copy of that report so I assume they can get one as soon as it’s finalized, is that a good assumption of mine?

**Jim Faulds:** Absolutely and really all of our reports are free online, if you wanted a printed copy that’s where you do have to pay but if it’s a sponsor of the report, we’re going to provide them with printed copies.

**Mike Visher:** I think those discussions between the company and the university regards to the donation that’s between them.

**Jim Faulds:** The company cannot have their favorite areas and want us to write those in the report we could not do that but the donations for the report that is wrapped up in the obligation to produce the report so we’re not going to take a donation for a report on lithium and do a report on beryllium, there’s an obligation that comes with that but there’s not an obligation to personally benefit that company or individual.

**Randy Griffin:** Let’s say I know 4 or 5 contacts in various companies that would help UNR do the report then I would just turn over those contact names and numbers, there’s not going to be a responsibility on a Commissioner part to call up and say I’ve given your name to so and so and they’ll be calling you for this project that they’re doing and they’re probably going to be asking for donations, we’re not going to do any of that?

**Mike Visher:** You are contacting those either you think have an affinity for the project or might benefit from the project but you’re just providing them with the UNR contact information; Jim for the technical component with what the project entails and then Donna’s contact information for answers to questions on donations, that’s it.

**Randy Griffin:** Basically, seeing if they’re interested in the project at all.
Mike Visher: Right, and then that’s the end of your responsibility at that point.

Randy Griffin: Okay.

Mike Visher: So, after hearing from Jim, we’re back to the two projects and then coming up with a list of companies to solicit or provide contact information at the university with regards to potential donations and if any of those decide to donate then it will be up to Jim to come up with those additional project enhancements that fit with the donation amounts. The list of companies, the preparation of that I think we can do that and work with the Commission to come up with the list but then that list would have to be provided to the Commission for review, but nothing can be done with regards to action until the next Commission meeting, is that correct Tony?

Anthony Walsh: Yes, that is correct.

Rich DeLong: I’m not sure there’s an actual action for the Commission on this item other than to provide input on the list and potential contacts. I wouldn’t think providing that information to Mike would be subject to the Open Meeting Law requirements would its Tony?

Anthony Walsh: No, that’s correct, the action item in this scenario is to basically decide on the framework of how it’s going to be accomplished and then from there as the list goes out that’s fine.

Rich DeLong: I hope that we can accomplish that in this discussion now and how we’re going to move forward on it.

Anthony Walsh: I think that is appropriate under the agendized item.

Rich DeLong: I have laid out a thought process, obviously it’s not all three of them right now it’s just those two, are there any other thoughts or comments about that approach? Again, I’m not sure we need to vote on it if it’s an approach that works, I think we’re just asking Mike to coordinate things with the commissioners.

Bob Felder: Just to comment on fundraising, if we go to the potential sources and say here’s the contact information if they happen to be interested, it’s pretty soft pedal I think we need to take a little more of a proactive approach because if we leave the ball in their court, it will probably stay there, I think we need to be more proactive about asking for the funding.


Mike Visher: I think that’s part of the proactive approach in trying to put in front of them why they should be donating, why it benefits them. We have knowledge of what the projects entail, we were already provided the project presentations with regards to what the projects are in detail and what it’s going to provide for deliverables. We need to make sure that we are not promising anything on behalf of the University, that’s really what their development group does with regards to the donations, this is what your money would do but we can’t give you access to the report before its public, you don’t get an advanced draft before the public does, those discussions are between the University and the company that’s making the donation.

Randy Griffin: Mike, if somebody could put together a one pager about the project, I know we saw a slide presentation, so when we do contact these people, we have something to reference.

Mike Visher: So fortunately, Jim gave us all a one-page overview of the project so I think all you would do is take that one page and distill it down to a series of bullet points that are intended for whoever you’re going to be speaking with. We don’t need to come up with anything else because there’s a lot of detail in there about what it is and why it’s needed. Essentially, you’re going to take a highlighter and say these are the points that are important to company xyz, this is why I think you’re a good fit.

Jim Faulds: The one page was provided at the January meeting as part of the agenda, nothing was changed for the March meeting. The January meeting had the summaries for all three projects.

Mike Visher: Right.

Rich DeLong: Do the Commissioners have a good understanding of the approach here, any additional discussion? I don’t see a need to vote on it. I’m happy to have Tony comment on it.

Anthony Walsh: I understand this is a nebulous action. My comfort level with a vote would be essentially that the Commission is deciding they’re authorizing themselves to go out and communicate these types of donations or this donation process to get the ball rolling. There wouldn’t be group action towards soliciting one type of industry person or not. However just for Open Meeting purposes, if it’s on the record that the Commission agreed that there would be individuals reaching out to companies, I feel comfortable with that being an action even though it’s a little bit of a vague action rather than say actually funding agreement or funding a project.

Motion to promote funding through industry donations for the projects selected last meeting made by: Randy Griffin.
Seconded by: Mary Korpi.
Approved by 6 Ayes and 1 Nay

Rich DeLong: Art, do you want to add any additional content on your vote?
Art Henderson: I have no additional comment at this time.

Rich DeLong: I’d like to go back to Item C under New Business which is the NBMG 2019 Mineral Industry Report and the 2019/2020 Exploration Survey since we have John Muntean on the phone now. John, could you walk through that item?

COMMISSION BUSINESS
A. Review of staff monthly activity reports
Rich DeLong: I think it was nice that the Las Vegas Natural History Museum sent a thank you letter to Garrett with regards to the funding and support provided by the Commission and the Division for the display at the museum.
Mike Visher: Chairman, along those lines I visited the museum on Monday and saw the display in person and it looks even nicer in person and it’s also quite large. I met with Marilyn Gillespie there and she just gushed on how well it’s being received. It has been on a limited basis just because they’re not fully open but they’re getting really good feedback. It’s something that everyone gravitates towards as soon as they are in that room. She’s very, very appreciative of the exhibit and the assistance provided by the Commission. She also did provide a letter as an exhibit in opposition to AB240 when that was being heard. That was very nice of the museum to do an acknowledgment of the work that’s been done in the past by the Commission and the Division.
Rich DeLong: It would be interesting to see if a similar display can occur in the Truckee Meadows area.
Mike Visher: Yes, it would be. Now that one has been done it’s a lot easier to replicate.
Rich DeLong: Yes, exactly, there isn’t a set up cost.

B. Next Commission meeting will be Thursday, July 22, 2021 at 1:00 p.m. with a tour of the new Ormat Repower Project.
Art Henderson: Asked Mike which Commissioner appointments end June 30th and what is the process to be reappointed if they’d like to stay on.
Mike Visher: I’m supposed to have a meeting with the Governor’s office, Scott Gilles, and I’ll get that information from him.
Rich DeLong: The Commissioners whose term is up are mine, Mary Korpi, Art Henderson, and Nigel Bain.
Mike Visher: Correct.
Rich DeLong: If you are interested in continuing, I do suggest you get an application in soon.

COMMENTS BY THE GENERAL PUBLIC
Rob Ghiglieri reminded the Commission the 2021 NAAMLP conference which will be held September 12-15, 2021 in Lake Tahoe. This will be an in-person conference with tours to Virginia City, around Lake Tahoe, Yerington including the Anaconda site as well as Nevada Copper, and then one tour will be going to Bodie Historic State Park in California. There will be technical sessions on topics having to do with mine remediation. We are always looking for sponsors and exhibitors. If you know of any companies with the opportunity to sponsor or have an exhibit that would associate with
this conference, please forward them to me. The staff is working hard to stay on top of this and get everything ready for hopefully around 200 people nationwide. We’re expecting a slight decrease in attendance compared to previous estimates due to travel restrictions for state and federal agencies.

**ADJOURNMENT**
2:56 p.m.
III. NEW BUSINESS
III. A Introduction of New Commissioner and Reappointments
June 15, 2021

Mr. Nigel Bain  
50 North Sierra Street, Unit 602  
Reno, NV 89501

RE: Appointment to the Commission on Mineral Resources  
Term: 7/01/2021 to 6/30/2025

Dear Mr. Bain,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State’s Carson City office and a copy to the Governor’s office before serving your term.

Please visit our website at https://gov.nv.gov/Board/Features/MemberResources/, print the “Ethical Standards for Public Officers” form and submit the signed form to the Nevada Commission on Ethics. While on our website, I encourage you to review the Nevada Ethics in Government law NRS 281A and NAC 281A. Failure to file any required documentation may result in fines and/or removal from office.

In addition, please familiarize yourself with Nevada Open Meeting Law. The Open Meeting Law is codified in Chapter 241 of the Nevada Revised Statutes. The Attorney General’s office also publishes an Open Meeting Law Manual and can be found at www.ag.state.nv.us.

Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincere regards,

STEVE SISOLAK  
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Nigel Bain, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

NIGEL BAIN

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

[Signature]
Governor of the State of Nevada

By Secretary of State of Nevada:

[Signature]
Deputy
Office of Governor Steve Sisolak

June 15, 2021

Ms. Stephanie Hallinan
291 Northglen Drive
Spring Creek, NV 89815

RE: Appointment to the Commission on Mineral Resources
Term: 7/01/2021 to 6/30/2025

Dear Ms. Hallinan,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State’s Carson City office and a copy to the Governor’s office before serving your term.

Please visit our website at https://gov.nv.gov/Board/Features/MemberResources/, print the “Ethical Standards for Public Officers” form and submit the signed form to the Nevada Commission on Ethics. While on our website, I encourage you to review the Nevada Ethics in Government law NRS 281A and NAC 281A. Failure to file any required documentation may result in fines and/or removal from office.

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Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincere regards,

STEVE SISOLAK
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Stephanie Hallinan, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

STEPHANIE HALLINAN

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

[Signature]

Governor of the State of Nevada

By Secretary of State of Nevada:

[Signature]

Deputy
June 15, 2021

Mr. Arthur Henderson II
4410 Sharps Road
Reno, NV 89519

RE: Appointment to the Commission on Mineral Resources
Term: 7/01/2021 to 6/30/2025

Dear Mr. Henderson,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State's Carson City office and a copy to the Governor's office before serving your term.

Please visit our website at https://gov.nv.gov/Board/Features/MemberResources/, print the "Ethical Standards for Public Officers" form and submit the signed form to the Nevada Commission on Ethics. While on our website, I encourage you to review the Nevada Ethics in Government law NRS 281A and NAC 281A. Failure to file any required documentation may result in fines and/or removal from office.

In addition, please familiarize yourself with Nevada Open Meeting Law. The Open Meeting Law is codified in Chapter 241 of the Nevada Revised Statutes. The Attorney General's office also publishes an Open Meeting Law Manual and can be found at www.ag.state.nv.us.

Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincerely,

STEVE SISOLAK
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Arthur Henderson, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

ARTHUR HENDERSON

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

[Signature]

Secretary of State of Nevada

[Signature]

Deputy
June 15, 2021

Ms. Mary Korpi
4332 Aspenwood Court
Reno, NV 89519

RE: Appointment to the Commission on Mineral Resources
   Term: 7/01/2021 to 6/30/2025

Dear Ms. Korpi,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State’s Carson City office and a copy to the Governor’s office before serving your term.

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Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincere regards,

STEVE SISOLAK
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Mary Korpi, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

MARY KORPI

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

Barbara R. Cegavske
Secretary of State of Nevada

Delilah Bowman
Deputy
Office of Governor Steve Sisolak

June 15, 2021

Mr. Arthur Henderson II
4410 Sharps Road
Reno, NV 89519

RE: Appointment to the Commission on Mineral Resources
   Term: 7/01/2021 to 6/30/2025

Dear Mr. Henderson,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State’s Carson City office and a copy to the Governor’s office before serving your term.

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Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincere regards,

STEVE SISOLAK
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Arthur Henderson, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

ARTHUR HENDERSON

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak,
Secretary of State of Nevada
Deputy

Governor of the State of Nevada
June 15, 2021

Ms. Mary Korpi  
4332 Aspenwood Court  
Reno, NV 89519

RE: Appointment to the Commission on Mineral Resources  
Term: 7/01/2021 to 6/30/2025

Dear Ms. Korpi,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State’s Carson City office and a copy to the Governor’s office before serving your term.

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Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincerely yours,

STEVE SISOLAK  
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Mary Korpi, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

MARY KORPI

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

Secretary of State of Nevada

Deputy
Office of Governor Steve Sisolak

June 15, 2021

Mr. Nigel Bain
50 North Sierra Street, Unit 602
Reno, NV 89501

RE: Appointment to the Commission on Mineral Resources
Term: 7/01/2021 to 6/30/2025

Dear Mr. Bain,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State's Carson City office and a copy to the Governor's office before serving your term.

Please visit our website at https://gov.nv.gov/Board/Features/MemberResources/, print the "Ethical Standards for Public Officers" form and submit the signed form to the Nevada Commission on Ethics. While on our website, I encourage you to review the Nevada Ethics in Government law NRS 281A and NAC 281A. Failure to file any required documentation may result in fines and/or removal from office.

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Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincere regards,

STEVE SISOLAK
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Nigel Bain, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

NIGEL BAIN

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

By Secretary of State of Nevada:

By Deputy
Office of Governor Steve Sisolak

June 15, 2021

Ms. Stephanie Hallinan
291 Northglen Drive
Spring Creek, NV 89815

RE: Appointment to the Commission on Mineral Resources
Term: 7/01/2021 to 6/30/2025

Dear Ms. Hallinan,

Congratulations on your appointment to the Commission on Mineral Resources for the State of Nevada. I truly appreciate your commitment to serve Nevada and your fellow citizens.

The official commission, signed by me and Secretary of State Cegavske, is for your records. Accompanying your commission is an oath of office, which must be executed before a notary public or any other authorized official (as required by NRS 281.030). This oath must be signed and returned to the Secretary of State's Carson City office and a copy to the Governor's office before serving your term.

Please visit our website at https://gov.nv.gov/Board/Features/MemberResources/, print the “Ethical Standards for Public Officers” form and submit the signed form to the Nevada Commission on Ethics. While on our website, I encourage you to review the Nevada Ethics in Government law NRS 281A and NAC 281A. Failure to file any required documentation may result in fines and/or removal from office.

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Should you have any questions regarding the enclosed, please contact our office at (775) 684-5670. We wish you the best of luck in your position and thank you for agreeing to serve the citizens of Nevada.

Sincere regards,

STEVE SISOLAK
Governor

Enclosures
To All to Whom These Presents Shall Come, Greetings:

KNOW YE, That reposing special trust and confidence in the loyalty, integrity, and ability of, Stephanie Hallinan, I, STEVE SISOLAK, Governor of the State of Nevada, by the Authority vested in me by the Constitution and laws thereof, do hereby

APPOINT AND COMMISSION

STEPHANIE HALLINAN

A MEMBER OF THE

COMMISSION ON MINERAL RESOURCES

FOR THE STATE OF NEVADA

This appointment is made pursuant to the laws of this State (NRS 513.023) and I authorize the appointee to discharge, according to law the duties of said office, and to hold and enjoy the same, together with all the powers, privileges and emoluments thereunder appertaining for the term beginning July 1, 2021 and ending June 30, 2025.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Nevada. Done at Carson City, Nevada this 15th day of June A.D., 2021.

By Governor Steve Sisolak:

______________________________
Governor of the State of Nevada

By Secretary of State of Nevada:

______________________________
Deputy
III. B Election of new Mineral Commission Chairman
CHAPTER 513 - COMMISSION ON MINERAL RESOURCES

GENERAL PROVISIONS

NRS 513.011 Definitions.
NRS 513.023 Creation; appointment of members; terms of office.
NRS 513.075 Composition.
NRS 513.073 Compensation of members.
NRS 513.043 Officers.
NRS 513.053 Meetings; quorum; minutes, audio recordings and transcripts.
NRS 513.063 Duties.

DIVISION OF MINERALS

NRS 513.073 Encouragement of exploration; collection and dissemination of educational information; maintenance of register of operations; record of annual production; administration of chapter 522 of NRS and regulations of Commission.
NRS 513.075 Suggested forms for required documents; regulations to ensure conformance in preparation of certain maps.
NRS 513.083 Administrator: Appointment; qualifications; classification; restrictions on other employment.
NRS 513.093 Administrator: Duties.
NRS 513.094 Imposition of additional fee for certain filings required by chapter 517 of NRS; Administrator required to establish program to discover dangerous conditions at nonoperating mines; employment of qualified assistant; regulations.
NRS 513.103 Account for the Division of Minerals: Creation; sources, lapse and use of money in Account.
NRS 513.108 Abatement of dangerous condition of nonoperating mines; reimbursement of Division.
NRS 513.113 Assistance from state agencies.

GENERAL PROVISIONS

NRS 513.011 Definitions. As used in this chapter, unless the context requires otherwise:
1. “Administrator” means the Administrator of the Division.
2. “Commission” means the Commission on Mineral Resources.
(Added to NRS by 1977, 1148; A 1983, 2070; 1993, 1681; 1999, 3627)

NRS 513.023 Creation; appointment of members; terms of office.
1. The Commission on Mineral Resources, composed of seven members appointed by the Governor, is hereby created.
2. The Governor shall appoint:
   (a) Two persons who are familiar with large-scale mining;
   (b) One person who is familiar with the production of oil and gas;
   (c) One person who is familiar with exploration for and development of minerals;
   (d) One person who is familiar with the situations unique to small-scale mining and prospecting;
   (e) One person who is familiar with the development of geothermal resources; and
   (f) One member to represent the general public.
3. The members of the Commission shall serve terms of 4 years, except when appointed to fill unexpired terms.
(Added to NRS by 1983, 2067)

NRS 513.025 Composition. The Commission consists of:
1. The members of the Commission appointed pursuant to NRS 513.023; and
2. The Division.
(Added to NRS by 1999, 3626)
NRS 513.033 Compensation of members.
1. Each member of the Commission is entitled to receive a salary of not more than $80, as fixed by the Commission, for each day while engaged in the business of the Commission.
2. While engaged in the business of the Commission, each member and employee of the Commission is entitled to receive the per diem allowance and travel expenses provided for state officers and employees generally.
(Added to NRS by 1983, 2068; A 1985, 434; 1989, 1717)

NRS 513.043 Officers.
1. The members of the Commission shall select a Chair from among their number who shall serve at the pleasure of the Commission.
2. The Administrator shall serve as Secretary of the Commission and shall keep the minutes and audio recordings or transcripts of its proceedings.
(Added to NRS by 1983, 2068; A 1993, 1682; 2005, 1414)

NRS 513.053 Meetings; quorum; minutes, audio recordings and transcripts.
1. The Commission shall meet at such times and at such places as is specified by the call of the Chair or a majority of the Commission, but a meeting of the Commission must be held at least once every 4 months. In case of emergency, special meetings may be called by the Chair or by the Administrator.
2. Four members of the Commission constitute a quorum for transacting the business of the Commission.
3. The minutes and audio recordings or transcripts of each meeting of the Commission must be filed with the Division.
(Added to NRS by 1983, 2068; A 1993, 1682; 2005, 1414)

NRS 513.063 Duties. The Commission shall:
1. Keep itself informed of and interested in the entire field of legislation and administration charged to the Division.
2. Report to the Governor, the Mining Oversight and Accountability Commission created by NRS 514A.040 and the Legislature on all matters which it may deem pertinent to the Division, and concerning any specific matters previously requested by the Governor or the Mining Oversight and Accountability Commission.
3. Advise and make recommendations to the Governor, the Mining Oversight and Accountability Commission and the Legislature concerning the policy of this State relating to minerals.
4. Formulate the administrative policies of the Division.
5. Adopt regulations necessary for carrying out the duties of the Commission and the Division.
(Added to NRS by 1983, 2068; A 1999, 3627; 2011, 2698)

DIVISION OF MINERALS

NRS 513.073 Encouragement of exploration; collection and dissemination of educational information; maintenance of register of operations; record of annual production; administration of chapter 522 of NRS and regulations of Commission. The Division shall:
1. Encourage and assist in the exploration for and the production of oil, gas, geothermal energy and minerals within this State.
2. Collect and disseminate throughout the State information calculated to educate persons engaged in those enterprises and benefit those enterprises in this State, and any information pertaining to any program administered by the Division.
3. Maintain a register of all mining operations and operations for the production of oil, gas and geothermal energy in this State.
4. Record annually the production of each registered mining operation and operation for the production of oil, gas and geothermal energy in this State.
5. Administer the provisions of chapter 522 of NRS.
6. Administer any regulations adopted by the Commission.
(Added to NRS by 1983, 2068; A 1993, 1682)

NRS 513.075 Suggested forms for required documents; regulations to ensure conformance in preparation of certain maps. The Division shall:
1. Prescribe a suggested form for each certificate or other document required to be recorded to locate or maintain a mining claim, mill site or tunnel right.
2. Adopt regulations to ensure that all maps established and maintained pursuant to subsection 3 of NRS 517.040 and subsection 2 of NRS 517.100 are prepared in a similar manner.
(Added to NRS by 1983, 1493; A 1993, 1682)

NRS 513.083 Administrator: Appointment; qualifications; classification; restrictions on other employment.
1. The Chief Administrative Officer of the Division is the Administrator, who must be appointed by the Commission.
2. The Administrator of the Division:
   (a) Must be a graduate of an accredited college or university and have substantial experience as an
    administrator or at least 5 years' experience in the exploration for or the production or conservation of minerals.
   (b) Is in the unclassified service of the State.
   (c) Except as otherwise provided in NRS 284.143, shall devote his or her entire time and attention to the
    Administrator's duties as a public officer and shall not pursue any other business or occupation or hold any other
    office of profit.
   (Added to NRS by 1983, 2069; A 1993, 1683; 1995, 2316; 1999, 3627)

NRS 513.093 Administrator: Duties. The Administrator:
1. Shall coordinate the activities of the Division.
2. Shall report to the Commission upon all matters pertaining to the administration of the Division.
3. Shall attend each regular meeting of the Mining Oversight and Accountability Commission created by
   NRS 514A.040 and each special meeting if requested by the Chair of that Commission and:
   (a) Report to the Mining Oversight and Accountability Commission on the activities of the Division
       undertaken since the Division's previous report, including, without limitation, an accounting of any fees or fines
       imposed or collected;
   (b) The current condition of mining and of exploration for and production of oil, gas and geothermal energy
       in the State; and
   (c) Provide any technical information required by the Mining Oversight and Accountability Commission
       during the course of the meeting.
   (Added to NRS by 1983, 2069; A 1993, 1683; 2011, 2699; 2013, 1631)

NRS 513.094 Imposition of additional fee for certain filings required by chapter 517 of NRS; Administrator required to establish program to discover dangerous conditions at nonoperating mines; employment of qualified assistant; regulations.
1. An additional fee, in an amount established pursuant to subsection 4, is imposed upon all filings to which
   NRS 517.185 applies. Each county recorder shall collect and pay over the additional fee, and the additional fee
   must be deposited in the same manner as provided in that section.
2. The Administrator shall, within the limits of the money provided by this fee, establish a program to
   discover dangerous conditions that result from mining practices which took place at a mine that is no longer
   operating, identify if feasible the owner or other person responsible for the condition, and rank the conditions
   found in descending order of danger. The Administrator shall annually during the month of January, or more
   often if the danger discovered warrants, inform each board of county commissioners concerning the dangerous
   conditions found in the respective counties, including their degree of danger relative to one another and to those
   conditions found in the State as a whole. In addition, the Administrator shall work to educate the public to
   recognize and avoid those hazards resulting from mining practices which took place at a mine that is no longer
   operating.
3. To carry out this program and these duties, the Administrator shall employ a qualified assistant, who
   must be in the unclassified service of the State and whose position is in addition to the unclassified positions
   otherwise authorized in the Division by statute.
4. The Commission shall establish by regulation:
   (a) The fee required pursuant to subsection 1, in an amount not to exceed $4 per claim.
   (b) Standards for determining the conditions created by the abandonment of a former mine or its associated
       works that constitute a danger to persons or animals and for determining the relative degree of danger. A
       condition whose existence violates a federal or state statute or regulation intended to protect public health or
       safety is a danger because of that violation.
   (c) Standards for abating the kinds of dangers usually found, including, but not limited to, standards for
       excluding persons and animals from dangerous open excavations.
   (Added to NRS by 1987, 1857; A 1995, 579; 1999, 890, 3627; 2001, 660)

NRS 513.103 Account for the Division of Minerals: Creation; sources, lapse and use of money in
Account.
1. The Account for the Division of Minerals is hereby created in the State General Fund.
2. The following special fees and money must be deposited in the Account:
   (a) All fees collected pursuant to NRS 513.094, 517.185 and chapter 522 of NRS.
   (b) All money collected pursuant to NRS 235.016.
   (c) Any money received by the Division from a county pursuant to NRS 513.108.
   (d) All fees collected pursuant to NRS 514A.080.
   (e) Any money appropriated to the Division from the State General Fund.
3. No money except that appropriated from the State General Fund lapses to the State General Fund.
4. The money in the Account is appropriated to the Division. The money deposited in the Account pursuant
   to paragraph (a) of subsection 2, and the interest earned thereon, must be expended for the purposes of
   administering chapter 522 of NRS and the provisions of this chapter, except for NRS 513.108. The money
   deposited pursuant to paragraphs (b) and (c) of subsection 2, and the interest earned thereon, must be distributed
to the counties pursuant to NRS 513.108, except that portion required to pay the cost of administering the provisions of that section. All interest earned on the Account must remain in the Account.


NRS 513.108 Abatement of dangerous condition of nonoperating mines; reimbursement of Division.

1. The board of county commissioners in each county may apply to the Division for money to abate a dangerous condition resulting from mining practices which took place at a mine that is no longer operating.

2. The Division shall, within the limits of the money available pursuant to paragraphs (b) and (c) of subsection 2 of NRS 513.103, provide counties with money to abate such dangerous conditions based on the relative degree of danger of those conditions.

3. If a county which receives money from the Division subsequently receives monetary compensation from the mine owner or other person responsible for the existence of the dangerous condition, it shall reimburse the Division to the extent of the compensation received. Any money received by the Division pursuant to this subsection must be deposited in the Account for the Division of Minerals created pursuant to NRS 513.108.

(Added to NRS by 1989, 141; A 1991, 1780; 1993, 1684)

NRS 513.113 Assistance from state agencies. The Division may request assistance from the Bureau of Mines and Geology of the State of Nevada and the State Engineer and cooperate with them in carrying out the purposes of this chapter.

(Added to NRS by 1977, 1149; A 1983, 2070; 1985, 1125; 1993, 1685)
III. C The Discovery Museum Exhibit Proposal
June 22, 2021

Mike Visher, Administrator
State of Nevada Commission on Mineral Resources
Division of Minerals
400 W. King Street, Suite 106
Carson City, NV 89703

Dear Mr. Visher,

The Terry Lee Wells Nevada Discovery (The Discovery) respectfully requests the Nevada Commission on Mineral Resources’ approval to allocate funding for the creation of two rock and mineral exhibits that will be utilized to educate visitors on the study of rocks and minerals and their contributions to our State economy.

The Discovery is a 501(c)3 non-profit science center located in downtown Reno, Nevada that serves its visitors through hands-on exhibits and educational programming tied to science, technology, engineering, art, and math (STEAM) concepts not offered anywhere else in our region. Serving our community for nearly 10 years, The Discovery has welcomed over 1.2 million visitors, including more than 100,000 Pre-K through 8th grade students on field trips and 6,500 K-7th grade learners who have participated in seasonal camp sessions.

If approved, funding will be allocated to design, fabricate and install two exhibit displays in our Nevada Stories exhibition, located in the Terry Lee Wells Nevada Discovery Museum at 490 S. Center Street, Reno, NV 89501 during the 2022 calendar year. These exhibits will be designed and fabricated in partnership with the Nevada Division of Minerals, including but not limited to graphics creation, electrical work, table fabrication, and more.

Exhibits like these will provide The Discovery’s visitors with new and exciting hands-on learning experiences, and may be incorporated into other museum programming. For example, these exhibits may be utilized for a themed field trip, camp session, or interactive science demonstration facilitated by our trained Museum Educators.

I hope this letter demonstrates what this funding will mean for our organization, and the Northern Nevada community that our museum serves. If you have any questions, I can be reached at msinclair@nvdm.org or (775) 398-5902. Thank you so much for your consideration of this request.

Sincerely,

Mat Sinclair, MPA
President/CEO
Reno Discovery Museum
Budget Proposal

Commission on Mineral Resources Meeting
22 July, 2021

Garrett Wake
Nevada Division of Minerals
702-486-4344
gwake@minerals.nv.gov
minerals.nv.gov
Overview

1. LVNHM exhibit cost breakdown
2. Budget modifications & proposed budget
3. Questions
1. LVNHM Exhibit Cost Breakdown

CMR-approved LVNHM budget $49,999.00

Total (actual cost), paid out in three “phases” $49,966.11

Breakdown

• Phase I – Finalize design of exhibit $6,000
• Phase II – Fabrication of exhibit $37,500
• Phase III – Delivery $6,000
• Minerals purchased by NDOM $466.10
• Interactive Mine Tour software, PC and touchscreen provided by NvMA no cost, donation
2. Discovery Museum Budget Modifications

- Purchase a computer and touchscreen to run the NvMA Interactive Mine Tour software .......................................................... $1,500
  - NvMA is willing to again share the Interactive Mine Tour software ................................................................. no cost, donation
- Independent lighting over interactive areas ........................................ $500
- Increase in cost of goods and services .............................................. $500
- Repair manual for the exhibit (replacement part list, wiring diagram, disassembly/assembly, etc.) ......................... $3,000
- Design work completed during LVNHM creation .......................... $(6,000)

**NET CHANGE** .......................................................................................................................... $(500.00)

**PROPOSED BUDGET ALLOCATION** .................................................................................. $49,499.00
Questions?
III. D  2021 Northern Nevada Earth Science Education Teachers Workshop
Earth Science Education Workshops for Teachers

Hosted by the Nevada Mining Association and Nevada Division of Minerals, since 1984
Workshop History

First (Minerals Education) workshop held in 1984, in Winnemucca

Annual event hosted in rural Nevada for first six years before adding an annual workshop in Las Vegas starting in 1990

Rebranded as Earth Science Education Workshop in 2007

Activities evaluated/modified for standards-based instruction in 2011 to encourage usage in the classroom

With 30 workshops completed in LV and 36 in northern NV, over 6,600 educators have attended from all over the US
Workshop Activities

• Hands-on activities relating to rock and mineral identification and importance, geologic history and processes, mineral exploration and extraction (incl. oil and geothermal)
## Typical Class Schedule

### 36th Annual Northern Nevada Earth Science Education Workshop 2021

**Class/Session Plan Chart For Tuesday, June 22, 2021**

<table>
<thead>
<tr>
<th>Room</th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Session 4</th>
<th>Session 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Geologic Time and Fossils K-8 Lucia/Courtney</td>
<td>Edible Geology K-6 Lucia</td>
<td>Edible Geology K-6 Lucia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Nevada’s Natural Resources K-12 Patti</td>
<td>Playdoh Structure 4-12 Maureen</td>
<td>Natural Disasters 5-12 Maureen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Minerals LVL 2 Advanced Lucia/Courtney</td>
<td>Rocks and Geology LVL 2 Advanced Lucia/Courtney</td>
<td>Cupcake Core Drilling 6-12 Terry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Minerals K-8 Rachel M</td>
<td>Rocks and Geology K-8 Rachel M</td>
<td>One in a Million 5-8 Ginger/Beth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Minerals 9-11 Carroll/Becky</td>
<td>Minerals “Grab Bag” 2-8 Carroll/Becky</td>
<td>Rocks and Geology 9-11 Carroll/Becky</td>
<td>Drilling for Energy 6-12 Courtney</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Minerals K-8 Terry</td>
<td>History of Mining K-8 Rob G</td>
<td>Rocks and Geology K-8 Terry</td>
<td>Build a Mine 4-12 Joe/Terry</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>History of Mining K-8 Rob G</td>
<td>Plate Tectonics 6-12 Rachel M</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Tour Guides

#1 Stewart Indian School, Geological Scavenger Hunt/EP Minerals (Hazen DE Pit) ……… Jon P.
Workshop Tours

- Includes field tours of mines, educational facilities, and locations of geologic interest
Workshop Teachers/Helpers

- NvMA Education Committee - consists of a passionate and diverse group of civil servants, industry specialists, current and former teachers, and enthusiastic volunteers
- Planning meetings are held ~monthly
Workshop Perks

- There is no cost to attend and teachers who attend both days are eligible for continuing education/professional development credits
- Free continental breakfast and lunch each day
- Free rock and mineral kits, tote bag full of posters and educational supplies, industry swag
- Raffle prizes
• What do you consider were the important takeaways from this workshop?
  • “Loved the lecture on taxes. Thank you, people need to know this stuff!!!”
  • “Teacher personalities and experience. I loved what I learned! Sharing the material will be easy with all the ideas and material.”
  • “I always love this conference. The field trips are really amazing because we always go places I’ve never been and learn so much.”
  • “The content was excellent, informative and useful. I can use those lessons right away in the classroom. The samples and all the extra materials are greatly appreciated.”
  • “Learning about all the different types of mines in NV and the world was really interesting. The group work, by grade level was valuable for sure.”
  • “I always enjoy receiving such relevant and handy resources from the workshop!”
  • “Mining is important for everything, and Nevada is a great supplier of so many raw materials!”
2021 Carson City Workshop Responses
2021 Carson City Workshop Responses

Q10 I feel that I have received important content from this workshop that I can use in my classroom.

- Strongly agree: 70%
- Agree: 20%
- Neutral: 5%
- Disagree: 5%
- Strongly disagree: 0%

Answered: 30, Skipped: 0

Q11 This workshop has been a great experience overall.

- Strongly agree: 80%
- Agree: 10%
- Neutral: 5%
- Disagree: 5%
- Strongly disagree: 0%

Answered: 30, Skipped: 0
2020 workshops cancelled due to the pandemic. 2021 N.NV workshop was limited in size, 35 attendees.

Several workshop activities were modified for virtual presentations or for use as distance learning videos, requiring some new equipment, patience, and skills.

Some Education Committee resources re-purposed for creation of new online K-12 course “Mining for a STEAM Education” in partnership with the Colorado Mining Association Education Foundation and Colorado School of Mines. Beta version released in April 2021 at https://allaboutmining.org/

Attracting new attendees who might be turned off by the subject matter. They’re usually hooked after first workshop.

Declining industry participation, especially as teachers.
Workshop Funding

Primary Funding

NvMA
NDOM ($15k/yr)
Industry Donations (for some key materials and services, e.g. transportation)

Education Committee decides on specific needs for a given year
Workshop Supplies

NDOM Supplied Materials

- Funding from $15k
  - Rock and Mineral Boxes*
  - Rock and Mineral Books*
  - Posters*
    - Varies year to year
  - Tote Bag*
  - Periodic Chart*
  - Mineral bookmarks
  - Color pencils
  - Ruler

- Not apart of $15k
  - Rocks and Minerals*
  - AML Report*
  - Mining Activity book
  - AML Swag*
  - Active Mines and Energy Producer Map*
  - Major Mines book*

*key items
Q12 What do you consider were the important takeaways from this workshop?

<table>
<thead>
<tr>
<th>#</th>
<th>RESPONSES</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Edible Geology (rock cycle and land formation)</td>
<td>6/24/2021 9:50 PM</td>
</tr>
<tr>
<td>2</td>
<td>I really enjoyed it all. The Stewart School was very interesting. I had no idea that the buildings were so many different rocks.</td>
<td>6/24/2021 9:16 PM</td>
</tr>
<tr>
<td>3</td>
<td>Diatomaceous earth info was relevant and understandable</td>
<td>6/24/2021 5:11 PM</td>
</tr>
<tr>
<td>4</td>
<td>Loved the lecture on the taxes. Thank you, people need to know this stuff!!!</td>
<td>6/24/2021 10:00 AM</td>
</tr>
<tr>
<td>5</td>
<td>Mining is important to Nevada and very supportive of the efforts to educate our young people. Mines are dangerous. The mining industry, through this workshop, has provided huge amounts of content that can significantly enhance the educational experiences of Nevada's youth when implemented in the classroom. The doors to the mining industry are open to educators who want to use mining and all it does for our state in an educational format for learners who are both eager and those who must be shepherded along in their educational efforts. All the lessons from the sessions are directly applicable to classroom use.</td>
<td>6/23/2021 6:05 PM</td>
</tr>
<tr>
<td>6</td>
<td>Ever fresh ideas to present to students</td>
<td>6/23/2021 4:13 PM</td>
</tr>
<tr>
<td>7</td>
<td>Learning about all the different types of mines in NV and the world was really interesting. The group work, by grade level was valuable for sure.</td>
<td>6/23/2021 4:11 PM</td>
</tr>
<tr>
<td>8</td>
<td>Handouts and workshops. Probably my 20th time I have attended the conference</td>
<td>6/23/2021 4:10 PM</td>
</tr>
<tr>
<td>9</td>
<td>History of mines and the Stewart Indian school</td>
<td>6/23/2021 4:09 PM</td>
</tr>
<tr>
<td>10</td>
<td>Lots of interesting information. Didn't get typical before class email except to be there by 8am on tuesday</td>
<td>6/23/2021 4:07 PM</td>
</tr>
<tr>
<td>11</td>
<td>New content ideas for my students</td>
<td>6/23/2021 3:42 PM</td>
</tr>
<tr>
<td>12</td>
<td>Teacher personalities and experience. I love what I learned! Sharing the material will be easy with all the ideas and material.</td>
<td>6/23/2021 3:28 PM</td>
</tr>
<tr>
<td>13</td>
<td>The numerous minerals mined in nevada; the multitude of uses for minerals in this day and age; the balance needed to make sure we can mine and protect the environment;</td>
<td>6/23/2021 3:26 PM</td>
</tr>
<tr>
<td>14</td>
<td>I really enjoyed the ideas to use for the rock and mineral kits given.</td>
<td>6/23/2021 3:24 PM</td>
</tr>
<tr>
<td>15</td>
<td>I can easily adapt the content to my classroom.</td>
<td>6/23/2021 3:23 PM</td>
</tr>
<tr>
<td>16</td>
<td>I always love this conference. The field trips are really amazing because we always go places I've never been and learn so much. Kids would love to go on these field trips too. It's good for teachers to do the forked trip first so they know what to plan for and know what to expect or change.</td>
<td>6/23/2021 3:22 PM</td>
</tr>
<tr>
<td>17</td>
<td>The importance of rocks and minerals and how we use them in our daily lives.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>18</td>
<td>Ideas I shared with my same level cohorts on how to bring these ideas into the classroom</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>19</td>
<td>The classes and resources. The information and pictures I got from the tour that I can bring into my lectures</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>20</td>
<td>The content was excellent, informative and useful. I can use those lessons right away in the classroom. The samples and all the extra materials are greatly appreciated. I will be able to send students out on field trips to the Stewart Indian School and even hopefully to the mine!</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>21</td>
<td>Lessons, links &amp; resources given</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td></td>
<td>Response</td>
<td>Date</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>22</td>
<td>Mining is important for everything, and Nevada is a great supplier of so many raw materials!</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>23</td>
<td>I learned alot</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>24</td>
<td>Lots of knowledge to give students about Nevada</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>25</td>
<td>I always enjoy receiving such relevant and handy resources from the workshop!</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>26</td>
<td>Adapting existing videos, content, curricula for use in a public library system for STEAM programs for younger children. Excellent resources from Lucia, rock &amp; mineral samples and ID kits are outstanding. All will be very useful.</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>27</td>
<td>Hands on activities</td>
<td>6/23/2021 3:18 PM</td>
</tr>
<tr>
<td>28</td>
<td>All the info and swag</td>
<td>6/23/2021 3:17 PM</td>
</tr>
<tr>
<td>29</td>
<td>How to adapt lesson to the classrooms.</td>
<td>6/23/2021 3:17 PM</td>
</tr>
<tr>
<td>30</td>
<td>Hands on experience</td>
<td>6/23/2021 12:51 PM</td>
</tr>
</tbody>
</table>
### Q13 What would you like to see changed about this workshop?

**Answered:** 30  **Skipped:** 0

<table>
<thead>
<tr>
<th>#</th>
<th>RESPONSES</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nothing. Everyone did an excellent job!</td>
<td>6/24/2021 9:50 PM</td>
</tr>
<tr>
<td>2</td>
<td>Rachel did a wonderful job but I think I could hear her better maybe if she stood up while talking on the bus.</td>
<td>6/24/2021 9:16 PM</td>
</tr>
<tr>
<td>3</td>
<td>Visit Haven mine to take away fish fossils</td>
<td>6/24/2021 5:11 PM</td>
</tr>
<tr>
<td>4</td>
<td>Nothing!</td>
<td>6/24/2021 10:00 AM</td>
</tr>
<tr>
<td>5</td>
<td>Nothing. The workshop had it all. I have gone before, and this one was just as good as the others have been. Change nothing. One of the speakers suggested going to a place like Ely, and that would be a winner, with mine tours that are in the area - gold &amp; copper.</td>
<td>6/23/2021 6:05 PM</td>
</tr>
<tr>
<td>6</td>
<td>Bummer that EP wouldn't allow leaving bus to get samples.means a lot to be able to show hands on materials to students.</td>
<td>6/23/2021 4:13 PM</td>
</tr>
<tr>
<td>7</td>
<td>I think it would be nice to have worksheets or some type of paper guides for some of the classes.</td>
<td>6/23/2021 4:11 PM</td>
</tr>
<tr>
<td>8</td>
<td>Really liked the gold silver mine tours in years past. Hint, Yarrington or Aurora is clear close</td>
<td>6/23/2021 4:10 PM</td>
</tr>
<tr>
<td>9</td>
<td>ELY!!!!!! Let's go!!!!</td>
<td>6/23/2021 4:09 PM</td>
</tr>
<tr>
<td>10</td>
<td>Just a more informative sign up email</td>
<td>6/23/2021 4:07 PM</td>
</tr>
<tr>
<td>11</td>
<td>Nothing really =)</td>
<td>6/23/2021 3:42 PM</td>
</tr>
<tr>
<td>13</td>
<td>It was great. Earthquake lab at UNR - ??</td>
<td>6/23/2021 3:26 PM</td>
</tr>
<tr>
<td>14</td>
<td>Nothing I can think of.</td>
<td>6/23/2021 3:24 PM</td>
</tr>
<tr>
<td>15</td>
<td>I am curious to know what the mining association would like for the teachers to teach and inform the students on. The NGSS don't directly involve a lot of mineral identification, especially in lower grades. There was a lot of other info I could adapt in my classroom.</td>
<td>6/23/2021 3:23 PM</td>
</tr>
<tr>
<td>16</td>
<td>I always love it! It would be really fun to go to rural Nevada for next year. :)</td>
<td>6/23/2021 3:22 PM</td>
</tr>
<tr>
<td>17</td>
<td>More collaboration with peers. 10:2 method of teaching. Lecture for 10 minutes and talk about for 2 minutes.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>18</td>
<td>I would love to have a more site based trip as was mentioned- somewhere in Nevada we don't normally travel with different types of mines.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>19</td>
<td>Maybe for both days do half of the day classes and half of the day tours?</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>20</td>
<td>I enjoy this workshop. I can't think of anything I would change. The pace was great. The content wonderful.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>21</td>
<td>The sessions were a little long we always seem to end early- BUT its way better than a lot of pd where sessions are too short</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>22</td>
<td>Nothing</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>23</td>
<td>More fields trip</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>24</td>
<td>More no gluten options</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>25</td>
<td>Nothing</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>26</td>
<td>Nice balance of sessions &amp; fieldtrio. But I’d like another field opportunity or two.</td>
<td>6/23/2021 3:19 PM</td>
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<td></td>
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<td>---</td>
<td>---</td>
</tr>
<tr>
<td>27</td>
<td>Nothing</td>
<td>6/23/2021 3:18 PM</td>
</tr>
<tr>
<td>28</td>
<td>Nothing</td>
<td>6/23/2021 3:17 PM</td>
</tr>
<tr>
<td>29</td>
<td>Nothing</td>
<td>6/23/2021 3:17 PM</td>
</tr>
<tr>
<td>30</td>
<td>Nothing</td>
<td>6/23/2021 12:51 PM</td>
</tr>
</tbody>
</table>
Q14 Have you attended this workshop in the past? If so, please list the number of times and how you have used the material in your lessons.

Answered: 30  Skipped: 0

<table>
<thead>
<tr>
<th>#</th>
<th>RESPONSES</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I have attended this workshop numerous times. Since I am a math teacher, I have used the information on “Building a Mine” as real life examples in my classroom.</td>
<td>6/24/2021 9:50 PM</td>
</tr>
<tr>
<td>2</td>
<td>Yes maybe 5 I tell the students about the mining class I took, I hang up the posters in the library, I put the cups and such in the prize box.</td>
<td>6/24/2021 9:16 PM</td>
</tr>
<tr>
<td>3</td>
<td>Only once and was able to use fish fossils with students b</td>
<td>6/24/2021 5:11 PM</td>
</tr>
<tr>
<td>4</td>
<td>No</td>
<td>6/24/2021 10:00 AM</td>
</tr>
<tr>
<td>5</td>
<td>I have gone a couple of times. I've used the film provided about gold mining often. I've used the historical contexts provided from time to time. I've used the Periodic Tables and geologic timelines. I've used the dangerous abandoned mines as examples when discussing risk and directions young people take in life that do not help them. The maps and mine locations have always been useful when discussing how fortunate we are to be living in Nevada when trying to create a productive life and an income stream. I've used what I have obtained from the workshops often and plan to continue to do so. Jeff Kirst</td>
<td>6/23/2021 6:05 PM</td>
</tr>
<tr>
<td>6</td>
<td>Yes. Not sure exact number but probably around 7. Hands on presentations Geology/Earth Sciences. Continued to plaster walls with new posters and add information to library so students can use for reports.</td>
<td>6/23/2021 4:13 PM</td>
</tr>
<tr>
<td>7</td>
<td>I believe I attended one in Winnemucca a couple of years ago.</td>
<td>6/23/2021 4:11 PM</td>
</tr>
<tr>
<td>8</td>
<td>20 plus times. My teachers also attended. We used the materials for 20 years</td>
<td>6/23/2021 4:10 PM</td>
</tr>
<tr>
<td>9</td>
<td>4 going to go to the Indian school next year</td>
<td>6/23/2021 4:09 PM</td>
</tr>
<tr>
<td>10</td>
<td>Yes probably like 10. My school collects the rock boxes for class level</td>
<td>6/23/2021 4:07 PM</td>
</tr>
<tr>
<td>11</td>
<td>Once, I use the minerals a lot!</td>
<td>6/23/2021 3:42 PM</td>
</tr>
<tr>
<td>12</td>
<td>No</td>
<td>6/23/2021 3:28 PM</td>
</tr>
<tr>
<td>13</td>
<td>No this was my first time</td>
<td>6/23/2021 3:26 PM</td>
</tr>
<tr>
<td>14</td>
<td>Yes. This was my third year attending. I have been able to incorporate the rock and mineral kits in an identification lab.</td>
<td>6/23/2021 3:24 PM</td>
</tr>
<tr>
<td>15</td>
<td>Yes. For the last 4 years. It's adaptable to all curricula. I use it in all the subjects I teach, not only science.</td>
<td>6/23/2021 3:23 PM</td>
</tr>
<tr>
<td>16</td>
<td>Yes I have! I attended the one in 2013 I think where we saw a gold pour and a blast! I've shared these pictures with my students. I also used the information I learned to lobby our Nevada Legislatures. I also attended in 2019 where we went to the Pyramid Lake Visitor Center and the wild horse and burro center. That was really cool because you can take students with disabilities there to see the wild burros and horses.</td>
<td>6/23/2021 3:22 PM</td>
</tr>
<tr>
<td>17</td>
<td>Yes, 3rd time. Careers in mining and how we use minerals.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>18</td>
<td>Yes, and I can't remember how many times... Maybe 8? I use the rock and mineral boxes every year, I use a lesson in watersheds with maps I learned a few years ago, and today I plan on bringing in what I learned about DE when I teach about protists and diatoms.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>19</td>
<td>This is my third time. I use the rock and mineral boxes in my class. I put photos and information from my tours into relevant lectures (my students love seeing these pictures and hearing about real world examples that are close to home,) I have the free posters all over my classroom that I refer to constantly.</td>
<td>6/23/2021 3:21 PM</td>
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<td></td>
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<tr>
<td>---</td>
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</tr>
<tr>
<td>20</td>
<td>I have attended several times in the past (2-4 times). I have past samples in my classroom. I have always used the maps, books and any other items I have been given. The items wear out and have to be replenished so I appreciate the new stuff. My students were very excited about the mineral testing kit and identification cards in the past. I appreciate the updated lessons this year but will also continue to use some old lessons.</td>
<td>6/23/2021 3:21 PM</td>
</tr>
<tr>
<td>21</td>
<td>No</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>22</td>
<td>Yes, 4-5 times in the last 20 years. They meet the curriculum and standards. I have used cookie mining, and how much is a million many times in the past!</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>23</td>
<td>Yes Moore Ethan five</td>
<td>6/23/2021 3:20 PM</td>
</tr>
<tr>
<td>24</td>
<td>Yes, I use this information every year!</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>25</td>
<td>Yes, 4 times. My colleagues and I have been able to collect class sets of the rock and mineral kits that we use every year in earth science.</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>26</td>
<td>No, first time</td>
<td>6/23/2021 3:19 PM</td>
</tr>
<tr>
<td>27</td>
<td>Many years ago and used it when I taught 4th grade</td>
<td>6/23/2021 3:18 PM</td>
</tr>
<tr>
<td>28</td>
<td>No</td>
<td>6/23/2021 3:17 PM</td>
</tr>
<tr>
<td>29</td>
<td>Yes 5 times. I incorporate many of the lessons into my classroom.</td>
<td>6/23/2021 3:17 PM</td>
</tr>
<tr>
<td>30</td>
<td>Yes</td>
<td>6/23/2021 12:51 PM</td>
</tr>
</tbody>
</table>
Teachers dig into mine of information at workshop

By Jessica Garcia
jgarcia@nevadaappeal.com

Teachers Shaun Minor of Sutro Elementary School in Lyon County and Diana DiSalvio of Tony Alamo Elementary School in Clark County were busy trying to figure out the physical properties of popcorn salt and eyeshadow at their station Tuesday at Bethlehem Lutheran School. They went through each item referring to a colorful chart delineating qualities of hardness, color, streak, luster and fracture often determined by geologists or via laboratory equipment.

When Minor and DiSalvio go back to their classrooms in the fall, they want to be able to tell their students that the items they use in their daily lives are made up of so much more than they comprehend.

"Toothpaste comes from calcite," DiSalvio said as an example. "We're trying to decide (whether these things were) metallic, waxy, earthy. Kids would realize the things they have every day all over the place would come from things in the ground, not just that they go to the store and see them and that they're non-renewable resources."

On Tuesday and Wednesday, the Nevada Mining Association hosted its 36th annual Northern Nevada Mineral Education workshop in Carson City. The training assists the Silver State's K-12 teachers develop lesson plans on mining and the mining industry for classroom use.

About 40 instructors took part examining rocks and minerals on Tuesday, then took a mining tour to understand how mining works in action.

Educators from all parts of the state, including Elko, Gardnerville and Las Vegas, seeking to receive continuing credits attended, eager to help their own students learn about the earth sciences and mineral industry when they return to school in August.

Beverly Vugteveen, who just completed this school year at Bethlehem Lutheran and is moving to Gardnerville to start at Under the Magic Pine Tree, a local preschool and daycare center, for the 2021-22 year, enjoyed part of her Tuesday examining certain rocks along with Jill Wilkinson and Karen Kimber, teaching partners from Flag View Intermediate School in Elko.

Vugteveen has been married to a geophysicist for 34 years. "Science is a part of our life," she said.

"But I love to see the ways that we can help our students realize how much mining brings the comforts of life," she said. "So often now, because we focus so much on our technogrowth and ecology, we forget that if we shut down all the mines, well, are you ready to give up your cell phones, your kitchen, essentially, all the pipes in your house, your wiring in your life? There are so many things we take for granted."

She said she enjoys seeing her littlest students in pre-kindergarten react with "great surprise" at their young age as she teaches them about resources mined from the earth.

Tyre Gray, president of the NMA, said the workshops are an opportunity for the association to collaborate with educators and equip them with the right tools to teach students in the classroom. Gray, a former educator and attorney for law firm Pannemore Craig, took over from predecessor Dana Bennett just before the pandemic hit last year and said reevaluating its strategic plan became a priority. This included creating a better partnership between the mining industry and education.

"STEM (science, technology, engineering and mathematics) is where education is focusing, and that's where our future is," Gray said. "It's about being able to reduce our carbon footprint, and mining is the very first link in that supply chain."

Mining, once Nevada's largest industry and now its 12th largest, is expected to contribute...
more than $300 million in tax funding to the state's educational system, Gray said, adding the Silver State is right to earmark these dollars as teachers have to continue to be recertified.

"Today, this is about making sure teachers have the resources they need to be in the classroom," he said. "We always say mining is about careers, not jobs."

The workshops themselves, normally drawing about 50 teachers and usually offered several times a year at several locations around the state, including Clark County, were limited to Carson City this time coming out of the pandemic. Gray said the NMA was conscious of social distancing guidelines per the Centers for Disease Control and Prevention. So this week's event only brought nearly 40 teachers, mostly K-12, with the Nevada Division of Mines and University of Nevada, Reno personnel or volunteers assisting, Gray said.

Lucia Patterson, a geologist and field specialist with NDOM, offered various activities the teachers could offer in their classrooms such as a timeline half a football field long representing humans in inches with a script talking about the history of Earth. She also developed a Bingo game during the pandemic teaching about fossils that she said is effective for multiple age groups. She also said there are also a variety of videos to help make lessons digital as well.

"It always seems like there's a kiddo in each classroom where (science) is their spark," she said.

Patterson, who earned her bachelor's degree at Chico State University and master's in economic geology at the University of Nevada, Reno, went exploring for gold deposits for six years before coming to NDOM where she now makes maps and provides education and outreach.

"You just never know when you're going to have that kid sitting there thinking, 'Oh, my gosh, that's what I want to do,'" she said.

While Tuesday was a chance to absorb those classroom lessons, Wednesday's field day was an opportunity for the participants to get a live view of a mining site and how environmentally friendly the process is. Participants had an opportunity to explore Stewart Indian School Cultural Center and Museum in Carson City at which visitors can view the facilities, walking trail and history of the facilities' artisans, masonry and stone buildings.

Gray said allowing educators to appreciate mining helps them pass it on to children with effectiveness.

"It's not about gold or silver, it's about our children," he said. "I have two children, 4 years and 8 months, and they are going to be in our school system ... and everyone here is making sure the education is proper."

He also said working in mining is "the best job in the world."

"We get to play as adults and we still get to see these huge Tonka trucks, right? But without actually getting close to seeing it's hard to appreciate it. A lot of times from the environmental perspective, a lot of times people have a negative connotations around mining, but they'll come onto a site. ... We're making something come out cleaner than we even pulled it out."

He added mining's footprint in the state also is small, even though its impact is great and that it's important to look toward the future as its population continues to grow.

Gray acknowledged the teachers, volunteers and his staff who came this week.

"I have a wonderful team and staff, and we want to thank NDOM who's been a wonderful partner, thank all the teachers for taking time to come," he said. "They could have done it online, could have done it anywhere else but their interest in mining is what really fuels us and what will continue to provide a workforce of tomorrow and our industry."
III. E  Request for support for the Nevada Earth Science Teachers Workshop
June 30, 2021

Mike Visher, Administrator
Nevada Division of Minerals
400 W. King Street, #106
Carson City, NV 89703

Re: Request for financial support of the Nevada Earth Science Teacher’s Workshops.

I am writing to request continued financial support for the Nevada Earth Science Teacher’s Workshops from the Nevada Commission on Mineral Resources. The Workshop is co-sponsored by the Nevada Division of Minerals and the Nevada Mining Association.

Previously, the Commission has generously agreed to multiple year financial commitments to help fund the teacher workshops, providing $15,000 annually. This funding has been used to purchase necessary materials required to host earth science workshops for educators in both northern and southern Nevada each year. These materials include educational rock boxes, earth science reference books for each attendee and other educational materials that help teachers take what they have learned at the workshops back into their classrooms. Recognition is given to the Nevada Division of Minerals in all advertising opportunities to ensure that attendees are aware of the support received, and the partnership between the Division and Nevada Mining Association.

We are requesting funding, at the rate of $15,000 per year for a period of two years, totaling $30,000 in support of the Nevada Earth Science Teachers Workshops for fiscal years 22 and 23. This funding will be applied towards the same resources and materials as in previous years. The funds will be managed by the Division.

We appreciate your consideration of this request and look forward to your continued support.

Sincerely,

Terry L. Jennings, Chair, Nevada Mining Association Education Committee
III. F 2020 Annual Statis Production
Overview
2020 Production:
- 4.63 Million ounces
- -4.9% vs. 2019
- 32 mining operations
- 21 operators
### 2020 Nevada Metal Production, By Producer - Draft

**Ranked by gold production**

<table>
<thead>
<tr>
<th>Operator</th>
<th>Gold (ozs)</th>
<th>Silver (ozs)</th>
<th>Copper (lbs)</th>
<th>Moly (lbs)</th>
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</thead>
<tbody>
<tr>
<td>Nevada Gold Mines, LLC</td>
<td>3,469,998</td>
<td>1,289,700</td>
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<td>41,957,856</td>
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<td>Round Mountain Gold, Corp.</td>
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<td>933,702</td>
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<tr>
<td>SSR Mining</td>
<td>234,443</td>
<td>3,329</td>
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<tr>
<td>KG Mining (Bald Mountain), Inc.</td>
<td>190,496</td>
<td>64,555</td>
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<tr>
<td>Jerritt Canyon Gold, LLC</td>
<td>112,749</td>
<td>NR</td>
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<tr>
<td>Florida Canyon Mining, Inc.</td>
<td>46,866</td>
<td>27,490</td>
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<tr>
<td>GRP Pan, LLC</td>
<td>46,516</td>
<td>NR</td>
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<tr>
<td>KGHM International, Ltd.</td>
<td>38,801</td>
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<td>109,639,248</td>
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<tr>
<td>Klondex Gold &amp; Silver Mining Co.</td>
<td>31,800</td>
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<tr>
<td>Walker Lane Minerals, Corp.</td>
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<tr>
<td>McEwen Mining Nevada, Inc.</td>
<td>27,910</td>
<td>NR</td>
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<tr>
<td>Hycroft Mining, Corp.</td>
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<td>Coeur Rochester, Inc.</td>
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<td>Rawhide Mining, LLC</td>
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<td>159,049</td>
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<td>Gold Acquisition, Corp.</td>
<td>5,072</td>
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<td>Ruby Hill Mining Company, LLC</td>
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<td>Mineral Ridge Gold, LLC</td>
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<td>1,358</td>
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<td>Borealis Mining Company</td>
<td>310</td>
<td>896</td>
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<td>Nevada Copper, Inc.</td>
<td>293</td>
<td>10,757</td>
<td>2,667,827</td>
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<tr>
<td>Geo-Nevada, Inc.</td>
<td>18</td>
<td>11</td>
<td></td>
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<tr>
<td>Craig Pickens - Toquima Gold</td>
<td>8</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2020 Production:

- 6,127,438 Million ounces
- -2.5% vs. 2019
- 31 mining operations
- 20 operators
2020 Production:
- 154.3 Million ounces
- 7.3% vs. 2019
- 4 mining operations
- 4 operators
Other Industrial Minerals Produced in 2019

- 6,665,061 lbs of lithium carbonate*
- 2,425,874 tons of gypsum
- 570,097 tons of silica sand shipped
- 124,088 tons of magnesium oxide shipped*
- 419,893 tons of diatomite
- 15,042 tons of salt
- 2,715 tons of perlite

* Only producer in US
Nevada Oil

2020 Production:
- 220,608 barrels
- -17% vs. 2019
- 1955-2020 cumulative production 54,687,018 barrels
Nevada Geothermal

2020 Production:

- 3.9 million megawatt hours sold
- +0.3% % vs. 2019
IV. OLD BUISNESS
## Fiscal Year Cumulative Mining Claim Revenue By Month

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>JULY</th>
<th>AUG.</th>
<th>SEPT.</th>
<th>OCT.</th>
<th>NOV.</th>
<th>DEC.</th>
<th>JAN.</th>
<th>FEB.</th>
<th>MAR.</th>
<th>APR.</th>
<th>MAY</th>
<th>JUNE</th>
<th>$ YOY</th>
<th>Total Claim Filings</th>
<th>Claim Filings YOY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>$97,190</td>
<td>$222,510</td>
<td>$1,085,820</td>
<td>$1,443,520</td>
<td>$1,474,160</td>
<td>$2,085,310</td>
<td>$2,116,960</td>
<td>$2,257,030</td>
<td>$2,265,460</td>
<td>$2,273,190</td>
<td>$2,386,510</td>
<td>12.2%</td>
<td>238,651</td>
<td>12.2%</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>$83,720</td>
<td>$256,070</td>
<td>$1,449,660</td>
<td>$1,596,760</td>
<td>$1,996,180</td>
<td>$1,996,910</td>
<td>$2,049,870</td>
<td>$2,051,030</td>
<td>$2,054,580</td>
<td>$2,127,730</td>
<td>5.5%</td>
<td>212,773</td>
<td>5.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>$121,080</td>
<td>$357,900</td>
<td>$1,504,660</td>
<td>$1,628,710</td>
<td>$1,646,750</td>
<td>$1,937,910</td>
<td>$1,953,500</td>
<td>$1,954,140</td>
<td>$2,010,510</td>
<td>$1,955,820</td>
<td>-1.1%</td>
<td>201,051</td>
<td>-1.1%</td>
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<tr>
<td>2018</td>
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<td>$425,870</td>
<td>$1,374,840</td>
<td>$1,493,090</td>
<td>$1,512,540</td>
<td>$1,622,635</td>
<td>$1,664,885</td>
<td>$1,672,765</td>
<td>$1,674,866</td>
<td>$1,799,065</td>
<td>7.4%</td>
<td>212,773</td>
<td>5.6%</td>
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<tr>
<td>2017</td>
<td>$32,650</td>
<td>$236,939</td>
<td>$1,099,584</td>
<td>$1,278,775</td>
<td>$1,301,335</td>
<td>$1,415,769</td>
<td>$1,450,134</td>
<td>$1,453,118</td>
<td>$1,458,388</td>
<td>$1,674,866</td>
<td>5.8%</td>
<td>197,043</td>
<td>5.6%</td>
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<tr>
<td>2016</td>
<td>$92,072</td>
<td>$219,020</td>
<td>$999,082</td>
<td>$1,090,754</td>
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<td>$1,290,452</td>
<td>$1,324,445</td>
<td>$1,355,711</td>
<td>$1,355,539</td>
<td>$1,585,539</td>
<td>-4.4%</td>
<td>186,534</td>
<td>-4.4%</td>
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</tr>
<tr>
<td>2015</td>
<td>$120,352</td>
<td>$250,079</td>
<td>$1,108,417</td>
<td>$1,280,687</td>
<td>$1,290,241</td>
<td>$1,531,683</td>
<td>$1,532,431</td>
<td>$1,555,211</td>
<td>$1,555,539</td>
<td>$1,555,539</td>
<td>-4.4%</td>
<td>186,534</td>
<td>-4.4%</td>
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<tr>
<td>2014</td>
<td>$155,703</td>
<td>$306,646</td>
<td>$1,090,754</td>
<td>$1,290,496</td>
<td>$1,294,661</td>
<td>$1,602,233</td>
<td>$1,606,177</td>
<td>$1,607,666</td>
<td>$1,613,417</td>
<td>$1,657,789</td>
<td>-10.7%</td>
<td>195,034</td>
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<td>2013</td>
<td>$90,253</td>
<td>$311,806</td>
<td>$1,199,622</td>
<td>$1,417,171</td>
<td>$1,437,104</td>
<td>$1,775,803</td>
<td>$1,781,575</td>
<td>$1,812,217</td>
<td>$1,818,745</td>
<td>$1,825,571</td>
<td>-2.8%</td>
<td>218,407</td>
<td>-2.8%</td>
<td></td>
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</tr>
<tr>
<td>2012</td>
<td>$26,248</td>
<td>$239,904</td>
<td>$1,055,539</td>
<td>$1,309,017</td>
<td>$1,324,445</td>
<td>$1,793,687</td>
<td>$1,802,901</td>
<td>$1,810,432</td>
<td>$1,852,541</td>
<td>$1,857,012</td>
<td>14.1%</td>
<td>224,772</td>
<td>14.1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>$18,504</td>
<td>$241,374</td>
<td>$602,803</td>
<td>$895,475</td>
<td>$986,603</td>
<td>$1,554,871</td>
<td>$1,562,053</td>
<td>$1,569,424</td>
<td>$1,612,118</td>
<td>$1,618,145</td>
<td>3.8%</td>
<td>196,977</td>
<td>3.8%</td>
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<tr>
<td>2010</td>
<td>$34,315</td>
<td>$252,520</td>
<td>$866,626</td>
<td>$1,120,355</td>
<td>$1,151,704</td>
<td>$1,527,997</td>
<td>$1,532,639</td>
<td>$1,537,911</td>
<td>$1,569,086</td>
<td>$1,613,142</td>
<td>189,781</td>
<td>$0</td>
<td>$0</td>
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</tr>
<tr>
<td>2009</td>
<td>$26,248</td>
<td>$239,904</td>
<td>$1,055,539</td>
<td>$1,309,017</td>
<td>$1,324,445</td>
<td>$1,793,687</td>
<td>$1,802,901</td>
<td>$1,810,432</td>
<td>$1,852,541</td>
<td>$1,857,012</td>
<td>14.1%</td>
<td>224,772</td>
<td>14.1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FY21 data as of 7/13/21 (DO, LA, LI, WA pending)**

12 Counties pay quarterly: CC, CH, DO, ES, HU, LA, LI, LY, NY, PE, ST and WP

*Claim payments in June 2016 are skewed due to early payments ahead of $2 fee increase*
IV. A. 2. FY17 - FY21_070921, Reserve Graph

July
August
September
October
November
December
January
February
March
April
May
June

NDOM Reserve Balance by Week for FY17 - FY21
(as of 7/9/2021)

FY17 Reserve Balance
FY18 Reserve Balance
FY19 Reserve Balance
FY20 Reserve Balance
FY21 Reserve Balance

Notable Events Impacting Reserve Balance:
#1 - Bond Pool and YE Res. Bal. transfers
#2 - Sagebrush Ecosystem DCNR (ends FY15)
#3 - Revenue from Mining Claim Filing fees
#4 - BLM and FS monies for AML
#5 - Annual Geothermal Production fees
#6 - PoO Surface Dist. fees
#7 - Mackay payment
#8 - Early filing of mining claims
#9 - Arden AML Receipt/Expense
#10 - Large AML Project Expense

We start each fiscal year prior to receiving bond pool and final reserve balance transfers (late-Aug.)

$1.2M Reserve Guidance Limit

IV. A. 2. FY17 - FY21_070921, Reserve Graph

7/19/2021
### Expenditures

<table>
<thead>
<tr>
<th>CAT #</th>
<th>Description</th>
<th>FY20 Actuals</th>
<th>FY21 Budget</th>
<th>FY21 To Date</th>
<th>FY21 Forecast</th>
<th>FY22 Forecast</th>
<th>FY23 Forecast</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Personnel (Sal., WC, FERS, OT)</td>
<td>1,180,536</td>
<td>1,382,924</td>
<td>1,141,371</td>
<td>1,171,371</td>
<td>1,336,101</td>
<td>1,372,893</td>
<td>FY20 11 FTEs 2 summer interns, FY21 onward 8 summer interns, includes 3 weeks in Dec./Jan. for interns, FY21 1 retirement payout; FY22/FY23 is as in FY20/21 budget. Includes PDAC (3), AMEA (3), NAMMP (2). No travel in FY21/FY22/FY23 as in budget.</td>
</tr>
<tr>
<td>02</td>
<td>Out-of-State Travel (Staff, CMR)</td>
<td>10,925</td>
<td>16,440</td>
<td>8,471</td>
<td>23,459</td>
<td>21,126</td>
<td>19,206</td>
<td>Includes PDAC (3), AMEA (3), NAMMP (2). No travel in FY21, FY22/FY23 as in budget.</td>
</tr>
<tr>
<td>03</td>
<td>In-State Travel (Non-AML)</td>
<td>7,777</td>
<td>12,325</td>
<td>2,084</td>
<td>2,708</td>
<td>12,049</td>
<td>12,500</td>
<td>Travel, lodging and per-diem within State, as in budget.</td>
</tr>
<tr>
<td>04</td>
<td>Canon Operating Expenses/Equipment</td>
<td>117,537</td>
<td>131,033</td>
<td>94,214</td>
<td>96,700</td>
<td>112,893</td>
<td>113,134</td>
<td>Rent, Operating supplies, as in budget.</td>
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<tr>
<td>05</td>
<td>Equipment</td>
<td>4,975</td>
<td>5,850</td>
<td>5,850</td>
<td>5,850</td>
<td>5,850</td>
<td>5,850</td>
<td>1,159 per vehicle, as in budget.</td>
</tr>
<tr>
<td>06</td>
<td>CMR Travel (In-State)</td>
<td>3,365</td>
<td>6,409</td>
<td>422</td>
<td>422</td>
<td>7,128</td>
<td>7,128</td>
<td>7,128 as in budget.</td>
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<tr>
<td>09</td>
<td>Special Projects (Mackay, NBMG)</td>
<td>154,226</td>
<td>239,217</td>
<td>209,930</td>
<td>215,000</td>
<td>182,000</td>
<td>144,220</td>
<td>FY21 - $110k (NBMG), $45.5k PDAC, $13k (NVMA Ed), $2.7k display updates, $40k AML SOSA video, $43.5k LVNHM; FY22/FY23 $97.2k (NBMG), $27.5k PDAC), $50k AML ASIAM. $13k (NVMA Ed), $37.8k (22 only NBMG-RW1).</td>
</tr>
<tr>
<td>14</td>
<td>Las Vegas Operating Expenses</td>
<td>43,032</td>
<td>35,687</td>
<td>32,472</td>
<td>32,700</td>
<td>36,708</td>
<td>37,570</td>
<td>Office relocation in FY20, FY22/FY23 as in budget.</td>
</tr>
<tr>
<td>17</td>
<td>Fluid Minerals</td>
<td>8,352</td>
<td>10,319</td>
<td>7,567</td>
<td>7,700</td>
<td>11,981</td>
<td>11,981</td>
<td>Field expenses for DGG and DMRE, as submitted in State budget.</td>
</tr>
<tr>
<td>18</td>
<td>AML Support (per diem, trucks, fuel, AML supplies and travel, SOSA supplies)</td>
<td>140,935</td>
<td>145,300</td>
<td>140,844</td>
<td>144,000</td>
<td>149,175</td>
<td>150,197</td>
<td>For diem for 2 summer interns in calendar 2020, 6 interns 3 weeks FY21; 8 summer interns FY21/22/23; vehicle repair costs; additional Fleet Services lease on truck and 8 new Mesa tablets in 2021, UV/TV/trailer in FY21/FY22/FY23 as in budget; includes one new truck each year.</td>
</tr>
<tr>
<td>25</td>
<td>CARES Act Expenditures</td>
<td>10,320</td>
<td>10,320</td>
<td>10,320</td>
<td>10,320</td>
<td>10,320</td>
<td>10,320</td>
<td>0 CARES Act Expenditures.</td>
</tr>
<tr>
<td>26</td>
<td>Computer and IT</td>
<td>14,380</td>
<td>49,599</td>
<td>40,791</td>
<td>46,500</td>
<td>29,839</td>
<td>30,429</td>
<td>Computer hardware/replacements; EITS services and support.</td>
</tr>
<tr>
<td>30</td>
<td>Training</td>
<td>4,151</td>
<td>4,840</td>
<td>3,531</td>
<td>3,531</td>
<td>7,092</td>
<td>7,092</td>
<td>7,092 BHR and other training.</td>
</tr>
<tr>
<td>39</td>
<td>AML Enhancements(contracts, equip.)</td>
<td>740,135</td>
<td>800,000</td>
<td>401,359</td>
<td>495,600</td>
<td>800,000</td>
<td>800,000</td>
<td>Contracted AML closure and related work. Work not completed in 2021 pushed into 2022.</td>
</tr>
<tr>
<td>87</td>
<td>BLM - Fiscal Management</td>
<td>41,538</td>
<td>96,085</td>
<td>96,085</td>
<td>96,085</td>
<td>90,693</td>
<td>71,998</td>
<td>Purchasing assessment, AG cost allocation, State cost allocation.</td>
</tr>
</tbody>
</table>

**Expenses Remarks**

- 12,325 mining claim fees and AML support.
- 0.15 per bbl fee for oil production annually ($0.05 from 12/20 to 10/21).
- 1,304 fee for minting of medallions with State seal remitted to NDOM.
- 157,500 fee from Bond Pool for NDOM Management.
- 0.20 per acre fee for new mine surface disturbance, 12-year average.
- fee of $140 for mining of medallions with State seal remitted to NDOM.
COMMISSION BUSINESS
STAFF REPORTS
April 2021

MONTHLY ACTIVITY REPORTS

Administrator
1. Responded to various inquiries on mineral estate ownership, geothermal potential/permitting, and lithium brine exploration and permitting requirements.
2. Researched viable locations for underground training exercise requested by Marines and provided contact information.
3. Responded to reporter inquiries on AB240 and taxation of mines.
4. Held a joint NDOM/NBMG meeting to discuss process improvements to sharing of OGG data.
5. Conducted annual performance reviews of four CC staff.
6. Selected Courtney Luxford as new Fluid Minerals Program Manager to start May 3rd.
7. The budget closing for our FY 22/23 budget was approved unanimously with only minor technical changes to statewide cost allocations.
8. Meetings attended: twice-weekly Assembly and Senate Natural Resources Committees, Interim Finance Committee, NvMA Hard Hat Chat and Public Policy and Environmental Committees, Smart from the Start Renewable Energy, Governor’s Cabinet, Statewide PIOs, Western Nevada Development District.

Deputy Administrator
1. Bond pool activity in April was limited to one notice-level increase and one plan-level decrease.
2. Continuously tracked proposed legislation that pertained to the Division or the minerals industry.
3. Performed the quarterly reconciliation report required by the Controller’s Office for the Bond Pool.
4. Worked with Valerie on the internal controls and disaster recovery plan updates.
5. Worked with the AML staff and put together an updated list of SOSA database needs and enhancements for TerraSpectra Geomatics.
6. Held a meeting with Matt Earthman of the USACE RAMS Program to discuss the status of the SOSA AML database and requested additional funding for continued enhancements. Funding is anticipated to be awarded for one additional year.
7. Participated in a meeting with the National Park Service updating the task agreement for the Copper Butte AML project. The agreement should be completed by the end of May with the construction anticipated this winter.
8. Continued coordination for the northern Nevada Teachers Workshop in June.
9. McGinley & Associates was selected for the AML Geological Analysis Contract.
10. Continued coordinating and planning for the NAAMLP conference this September.
11. Provided basic domain, PC, and Local Area Network (LAN) IT trouble shooting for NDOM staff.
12. Worked with the AML program for summer intern planning and preparation.
13. End-of-April financial summary of bond pool:
Chief, Abandoned Mine Lands Program

1. AML staff completed intern and staff schedules for the 2021 field season.
2. Contractor EPS finished hard closure repair of 30 vandalized sites in Carson, Clark, Douglas, and Lyon counties. EPS also contributed to the AML program with safety and field modifications to NDOM’s UTV. EPS has begun a safeguarding program focused on the Gillis Range in Mineral County.
3. Southern Nevada AML staff responded to public reports of three vandalized sites in Nye County and completed the necessary repairs.
4. AML staff completed data analysis, from the second round of helicopter-aided surveys, confirming 3,025 non-hazards with 41 potential hazards identified in Esmeralda, Mineral, and Nye counties.
5. McGinley and Associates LLC was selected as the contractor for the statewide AML geological site characterization survey work to begin this summer.
6. SOSA awareness efforts included design and installation of a new SOSA billboard in downtown Tonopah.

Reclamation Bond Pool Status Report

<table>
<thead>
<tr>
<th>Plan-level Bonds -Company</th>
<th>Project</th>
<th>Entry Date</th>
<th>Bond Amount</th>
<th>% of Pool</th>
<th>Comments</th>
<th>Deposit</th>
<th>Premiums Paid</th>
<th>% Bond Whole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom Details</td>
<td>Bovic-Lew</td>
<td>11/17/2006</td>
<td>$14,643.00</td>
<td>0.83%</td>
<td>bond reduced from $244,482 4/21</td>
<td>$7,328.32</td>
<td>$18,418.65</td>
<td>175.8%</td>
</tr>
<tr>
<td>New Gold Nevada (NV Rae)</td>
<td>Black Rock Canyon</td>
<td>4/15/2005</td>
<td>$66,673.00</td>
<td>3.77%</td>
<td></td>
<td>$33,715.62</td>
<td>$171,042.39</td>
<td>307.1%</td>
</tr>
<tr>
<td>SNL Sand LLC</td>
<td>Money Pit</td>
<td>5/21/2004</td>
<td>$430,088.00</td>
<td>24.34%</td>
<td>terminated</td>
<td>$233,171.91</td>
<td>$288,885.16</td>
<td>121.4%</td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Victorine Mine</td>
<td>5/24/2000</td>
<td>$45,875.39</td>
<td>2.60%</td>
<td>terminated</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Kingston Mill</td>
<td>5/24/2000</td>
<td>$100,450.00</td>
<td>5.69%</td>
<td>terminated</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Manhattan Mill</td>
<td>5/24/2000</td>
<td>$0.00</td>
<td>0.00%</td>
<td>terminated (removed $114,288 on 12/28/2021)</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>TNT Venture</td>
<td>Big Canyon</td>
<td>1/27/2010</td>
<td>$78,161.00</td>
<td>4.42%</td>
<td></td>
<td>$39,615.03</td>
<td>$49,757.25</td>
<td>114.3%</td>
</tr>
<tr>
<td>Dun Glen Mining</td>
<td>Dun Glen</td>
<td>8/11/2014</td>
<td>$439,240.00</td>
<td>24.80%</td>
<td></td>
<td>$238,536.99</td>
<td>$205,096.41</td>
<td>101.0%</td>
</tr>
</tbody>
</table>

Statewide Notice-Level Various various $591,596.00 33.49% 53 Notice-level bonds

Chief, Abandoned Mine Lands Program

GIS/ Field Specialist

1. Updated Oil, Gas, and Geothermal data on the open data site.
2. Participated in the evaluation committee for the AML geological analysis contract.
3. Pulled and updated mining claims from MLRS and updated the open data site. This update included current and historic mining claims.
4. Entered annual status and production data into the database, created several new queries and charts to view and compare the data. Also started entering Taxation’s Net Proceeds of Mines data into the database.
5. Modified the oil gas and geothermal database to show charts for production data.
6. Processed Oil, Gas and Geothermal inspection data.

AML/Fluid Minerals Field Specialist

1. AML: completed state-wide topoquad ranking for AML work needed, conducted aerial imagery inspection for summer field areas, refined claims by Quarter Section shape files, finished land research for hazard sites in field area that are now claimed, updated ‘Verified By’ field in database for 2020 work done, contributed to discussion concerning latest database improvements, continued planning for NAAMLP 2021 Conference, collaborated with NDEP on UAS operations and fieldwork, helped in trouble shooting database map viewer issues with
TerraSpectra Geomatics, continued work on BLM annual reporting for cultural resources, continued development of ‘How-to’ documentation for AML tasks.

2. Fluid Minerals: Well inspections at McGinness Hills & Tuscara Geothermal Fields, reviewed all forms and helped with update with FMR team, participated in discussions with NBMG on data sharing.

3. Education/Outreach: Continued collaboration with NV Connects Education program to provide subject matter experts (mining/geology) to Nevada teachers, helped to review grant proposals with Nevada Mining Association.

4. Information Security/IT: Reviewed and reported on Information Security issues affecting the agency to staff.

5. Attended: AML database meeting (TerraSpectra Geomatics), Nevada Mining Association Education Committee Meeting, NAAMLP Planning meeting, TOPCORP webinar: Natural Gas, Electricity and the Texas Snowmageddon, EITS Teams Introduction Meeting.

AML/Public Outreach – Southern Nevada Programs Manager

1. Field investigation of 30 mine features and revisited one AML hazard near the town of Goodsprings.

2. Secured two AML hazards called in by the public near Pahrump.

3. Created a series of tabletop exercises to practice critical thinking in an emergency to be used by staff and interns.

4. Continued to manage the southern Nevada revisit contract with EPS. EPS completed the Boulder City area project and moved on to the Searchlight/Crescent Peak area.

5. Selected and built out a conference-networking application for use at the NAAMLP 2021 conference.

6. Participated in an NDEP contract evaluation meeting as an outside agency evaluator.

7. Participated in a NAAMLP conference planning meeting.

8. Participated in an NvMA Education Committee and Teachers Workshop planning meeting.

9. Participated in a RAMS monthly meeting.

10. Participated in a MS Teams training class.

11. Continued to update the NAAMLP 2021 conference website.

12. Chaired a McCaw School of Mines board meeting.

AML/Public Outreach and Education – Southern Nevada Field Specialist

1. Attended and participated in two education committee meetings.

2. Worked on editing hazard descriptions to prevent truncation and loss of data.

3. Presented on Minerals in Society and Mining to 16 seventh-grade classes at two unique middle schools, reaching more than 500 students.

4. Participated in training on CRAC form submission, topo ranking and mass updates.

5. Presented Minerals in Society to three fifth-grade classes at Morrow ES.

6. Compiled data for CCSD School-Community Partnership Program on services NDOM has provided during the 2020-2021 school year.

7. Started aerial image identification of points (potential hazards) on field areas for this summer.

8. Completed land research on sections where new claims were located.

9. Completed trainings on QuickHelp.

10. Attended UNLV’s annual GeoSymposium.

Fluid Minerals Program Manager: There were no new oil or geothermal permits issued in April, there were two oil and three geothermal sundry notices processed. Inspections were conducted at 39 geothermal wells located in the McGinness Hills and Tungsten Mountain fields. NBMG has identified numerous wells in their database lacking significant information which has resulted in a rather large copying/scanning project for NDOM staff. Crossover training took place between the outgoing and incoming manager. Well inspection status for FY21 at the end of April:

<table>
<thead>
<tr>
<th>FY 2021 Well Inspections</th>
<th>Total Wells</th>
<th>Wells Needed for FY21 (33%)</th>
<th>Wells Inspected</th>
<th>% Inspected</th>
<th>Wells Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geothermal (19 Locations)</td>
<td>455</td>
<td>259</td>
<td></td>
<td>56.9%</td>
<td></td>
</tr>
<tr>
<td>Oil (22 Locations)</td>
<td>121</td>
<td>120</td>
<td>379</td>
<td>99.1%</td>
<td></td>
</tr>
<tr>
<td>Totals</td>
<td>576</td>
<td>192</td>
<td>379</td>
<td>65.8%</td>
<td>-187</td>
</tr>
</tbody>
</table>
### Website Activity

<table>
<thead>
<tr>
<th>Period</th>
<th>NDOM Website Pageviews</th>
<th>NDOM Website Unique Pageviews</th>
<th>NDOM Website Top 5 Pageviews</th>
<th>NDOM Open Data Site Views</th>
<th>NDOM Video Views</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr 2021</td>
<td>4,895</td>
<td>3,502</td>
<td>Mining Claims, Home, Geo-Home, Mining-Home, and OG-Home</td>
<td>2,309</td>
<td>518</td>
</tr>
<tr>
<td>Apr 2020- Apr 2021</td>
<td>71,740</td>
<td>51,597</td>
<td>24,786</td>
<td>4,497</td>
<td></td>
</tr>
</tbody>
</table>

### NDOM Web/Open Data/Video Sites 13 Month Rolling Chart

![NDOM Web/Open Data/Video Sites 13 Month Rolling Chart](chart.png)

### NDOM Website - Top 5 Unique Page Views for April 2021

- **Mining-Mining Claims**: 17%
- **Home**: 22%
- **Geo-Home**: 5%
- **Mining-Home**: 5%
- **OG-Home**: 4%
- ***All Other Webpages**: 47%

*All Other Webpages - Site pages including Home Pages, Current Information, About Us, Commission, Programs, News, FAQs, and Contact Us pages.

### Top Visitors

<table>
<thead>
<tr>
<th>Apr-2021</th>
<th>Country</th>
<th>United States, Canada, China, (unknown), Germany, and South Korea.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>State</td>
<td>Nevada, California, Texas, (unknown), and Kansas.</td>
</tr>
<tr>
<td></td>
<td>City</td>
<td>Reno, Las Vegas, (unknown), Carson City, and Los Angeles.</td>
</tr>
</tbody>
</table>

### Video Views in April 2021

MONTHLY ACTIVITY REPORTS
May 2021

Administrator
1. Responded to public records request from Albemarle.
2. Responded to request from an oil operator for permitting assistance with NDEP-UIC.
3. Reviewed assorted fluid mineral permits and sundry notices with Cortney for status updates and information needed.
4. The DOI has segregated 36 sections in Railroad Valley on behalf of NASA as part of a 20-year withdrawal from mineral entry and mineral leasing to preclude development and protect a large section of land that is used for sensor calibration on several of their satellites. There is potential for impacts to oil exploration as well as lithium brine exploration.
5. Performed analysis of potential impacts from AB495 (Mining Excise Tax) and made inquiries with Taxation.
6. Lucia and I met with the President of the Discovery Museum in Reno regarding creating a rock and minerals exhibit and hosting a future CMR meeting at the museum.
7. Meetings attended: various legislative sessions, quarterly CMR meeting, IOGGC Annual Business Meeting, IMCC Regulatory updates, Mackay Education Advisory Board, NvMA Hard Hat Chat and Public Policy and Environmental Committees, Mackay Speaker Series, Governor’s Cabinet, Statewide PIOs, BLM Fluid Minerals team.

Deputy Administrator
1. Bond pool activity in May was limited to one notice-level bond decrease
2. Invoiced the June annual notice level bond premiums with Sherrie.
3. Continuously tracked proposed legislation that pertains to the Division or the Minerals industry.
4. Attended the quarterly CMR meeting and gave an update to the Commission on the summer intern program.
5. Received notification from Matt Earthman of the USACE RAMS Program that the SOSA AML database will be funded for one additional year. This will be the eight year in a row that the Division has received funding from the RAMS program.
6. Performed inventory work and put up the new AML Billboard with Sean in Tonopah.
7. Responded to a vandalism hazard in the town of Tonopah where someone set the shaft on fire. Worked with the Town of Tonopah and local Sherriff to get Sean and the interns to reference the hazard.
8. Helped the Mining Association continue coordinate the 2021 June Teachers Workshop.
9. Worked with Broadbent for field work planning and coordination between the BLM for the Cultural Survey Contract.
10. Held meetings with the BLM on the VC AML project and Poinsettia AML Project.
11. Worked with EPS on coordinating the remaining projects for FY21 and starting the Linka Mine project in June.
12. Started the excess process of the 2010 GMC 2500. Working to transfer to a DCNR office in Ely.
13. Continued coordinating and planning for the NAAMLP conference this September.
14. Provided basic domain, PC, and Local Area Network (LAN) IT support for NDOM staff.
15. Worked with the AML program for summer intern training and field work. Performed field work with the interns and lead the field portion of the BLM Deputy Archeological Technician training for the interns.

16. End-of-May financial summary of bond pool:

<table>
<thead>
<tr>
<th>Plan-level Bonds -Company</th>
<th>Project</th>
<th>Entry Date</th>
<th>Bond Amount</th>
<th>% of Pool</th>
<th>Comments</th>
<th>Deposit</th>
<th>Premiums Paid</th>
<th>% Bond Whole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom Details</td>
<td>Bovie-Lew</td>
<td>11/17/2006</td>
<td>$14,643.00</td>
<td>0.83%</td>
<td>bond reduced from $244,482/4/21</td>
<td>$7,328.32</td>
<td>$18,418.65</td>
<td>175.8%</td>
</tr>
<tr>
<td>New Gold Nevada (NV Rae)</td>
<td>Black Rock Canyon</td>
<td>4/15/2005</td>
<td>$66,673.00</td>
<td>3.79%</td>
<td></td>
<td>$33,715.62</td>
<td>$71,042.39</td>
<td>207.1%</td>
</tr>
<tr>
<td>SLN Sand LLC</td>
<td>Money Pit</td>
<td>5/21/2004</td>
<td>$430,088.00</td>
<td>24.44%</td>
<td></td>
<td>$233,171.91</td>
<td>$288,885.14</td>
<td>124.1%</td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Victorine Mine</td>
<td>5/24/2000</td>
<td>$45,875.39</td>
<td>2.61%</td>
<td>terminated</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Kingston Mill</td>
<td>5/24/2000</td>
<td>$100,450.00</td>
<td>5.71%</td>
<td>terminated</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Manhattan Mill</td>
<td>5/24/2000</td>
<td>$0.00</td>
<td>0.00%</td>
<td>terminated (removed $114,288 on 12/28/2021)</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>TNT Venture</td>
<td>Big Canyon</td>
<td>1/27/2010</td>
<td>$78,161.00</td>
<td>4.44%</td>
<td></td>
<td>$39,615.03</td>
<td>$49,757.25</td>
<td>114.3%</td>
</tr>
<tr>
<td>Dun Glen Mining</td>
<td>Dun Glen</td>
<td>8/11/2014</td>
<td>$439,240.00</td>
<td>24.96%</td>
<td></td>
<td>$238,536.99</td>
<td>$205,096.41</td>
<td>101.0%</td>
</tr>
<tr>
<td>Statewide Notice-Level</td>
<td>Various</td>
<td>various</td>
<td>$584,588.00</td>
<td>33.22%</td>
<td>53 Notice-level bonds</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Bond Amount           | $1,759,718.39 |
Cash in Pool’s Account      | $2,962,296.07 |
Unfunded Amount             | -$1,202,577.68 |
Percent funded              | 168.3%        |

Chief, Abandoned Mine Lands Program

1. The 2021 AML Intern Program kicked off May 17, with a week of safety and program training including presentations from our Southern Nevada AML staff, BLM, NDOW, and NDEP. Introductory field work focused on newly identify hazards from the recent Tonopah helicopter survey and high priority topo quads in Nye and Esmeralda counties. Interns also responded to a public call-in to secure a vandalized hazard in Nye county.

2. Contractor EPS continued a safeguarding project in the Gillis Range of Mineral County, completed a cooperative hard-closure program at the historic Potosi Mine in Clark County, and continued scheduled revisits near Searchlight and Boulder City in Clark County.

3. AML Staff responded to a request for information from Nye County Sheriff’s office concerning a pending investigation.

<table>
<thead>
<tr>
<th>Year</th>
<th>Sites inventoried</th>
<th>Sites secured</th>
<th>% Secured</th>
</tr>
</thead>
<tbody>
<tr>
<td>Since 1987</td>
<td>23,687</td>
<td>19,258</td>
<td>81%</td>
</tr>
<tr>
<td>2021 To Date</td>
<td>60</td>
<td>163</td>
<td>272%</td>
</tr>
</tbody>
</table>

GIS/ Field Specialist

1. Prepared maps and data for intern field work.
2. Set up the Mesas for field work, which includes mesa clean up and updating files like photos.
3. Completed First Aid Training
4. Spent 3 days completing the Python Scripting class offered through ESRI.
5. Courtney and I wrote a script to auto populate data in the CRAC forms when the data comes in from the interns.
6. I wrote a script to pull all AML sites that need first or second notifications.
7. I am assisting Valerie in the development of a financial database.
8. Set up the new Getac field devices for use by staff in the field.
9. Started developing an activity where teachers will make a geology specific map on a brownie for the edible geology session at the upcoming Teachers Workshop.

AML/Fluid Minerals Field Specialist

1. AML: Set up maps & data for summer field areas, participated in training seasonal interns on safety topics, conducted field work with interns around Tonopah/Lone Mountain, continued planning for NAAMLP 2021 Conference, continued development of ‘How-to’ documentation for AML tasks, continued work on AML check in scripts & annual BLM CRAC reports, update NVpoint layer with points added in last year, update state-wide topographic maps,
2. Fluid Minerals: Responded to information request regarding state geothermal permitting requirements.
3. Information Security: Attended Sate Meetings, reviewed and reported on Information Security issues affecting the agency to staff, reviewed backup procedures & user setups, participated in state data loss prevention meeting
4. Safety Roles: Attended quarterly safety meeting
5. Attended: First Aid/CPR re-certification course

**AML/Public Outreach – Southern Nevada Programs Manager**
1. Conducted seven classroom presentations on minerals education and careers in the geosciences; approximately 175 students and teachers reached.
2. Managed the Southern Nevada Revisit Contract with EPS; performed quality control and input for 155 revisits in Clark County since April, 2021.
3. Certified seven interns and four NDOM staff as Red Cross CPR/AED/First Aid responders.
4. Logged and secured two hazards in the Crescent Peak area with R. Ely and two members from the BLM SNDO.
5. Updated two sections of the NDOM Internal Controls policy.
6. Performed aerial reconnaissance for uncatalogued AML points throughout eight topographic quadrangles.
7. Attended the second quarter CMR meeting.
8. Continue to maintain the NAAMLP conference Call for Papers correspondence and tracking, and updating of the conference website.
9. Participated in an NDOM quarterly safety committee meeting, an NvMA Education Committee and Teachers Workshop planning meeting, and a McCaw School of Mines special board meeting.

**AML/Public Outreach and Education – Southern Nevada Field Specialist**
1. Attended and participated in NDOM staff meeting.
2. Worked on aerial identification of hazards for the 2021 field season.
3. Attended PEBP Open Enrollment Webinar.
4. Assisted with shopping for office supplies and office beautification.
5. Attended CMR meeting.
7. Made travel arrangements for northern Nevada Teacher Workshop.
8. Prepared overview maps for AML field work.
9. Completed a career presentation at Kesterson ES reaching 100 students.
10. Attended and participated in CHOLLA meeting.
11. Assisted in completion of AML field work with the BLM at Crescent Peak.
12. Participated in and supervised AML work with summer interns in Tonopah area.
13. Updated Nevada topographic quadrangles with AML data for the state.
14. Made transition from telework back to full time office work.

**Fluid Minerals Program Manager:**
1. No geothermal or oil permits were issued in May.
2. Fifteen geothermal and three oil permits have not been drilled. NGP Blue Mountain 1 has two permits discussed above, they have decided to do a straight hole for observation well after having drilling difficulties with their directional well, including severe lost circulation. Ormat Nevada has nine geothermal permits, five at Wild Rose, three at Crescent Valley, and one at Dixie Meadows. Open Mountain Energy has four open TG well permits on a federal lease in the Wabuska area. Kebo Oil and Gas and West Grant Canyon Development each have one open drilling permit in Railroad Valley. Oil permit 0978 West Grant Canyon Development, LLC Butterfield Federal 1 expires 6/4/2021. Western Oil Exploration has one open permit in Newark Valley.
3. Fourteen geothermal and three oil sundry notices were processed during May.
4. The ORNI 43 Tungsten Mountain 86(85)-21 and San Emidio 84-20 and 25(46)-28 injection wells are still waiting on BLM approval. Approval is being delayed at San Emidio while the EA is being completed. ORNI 27(38)-12 industrial well and NGP BM 73-22 observation wells are waiting on BLM approval as well.
5. 3PL Operating has contacted me about the possibility of drilling four to eight DMRE exploration wells on their claims in Railroad Valley.
6. Reviewed Oil, Gas, Geothermal and DMRE regulations and implementation.
7. New employee trainings, defensive driving, IT cybersecurity, sexual harassment, Red Cross First Aid/CPR/AED.
8. Reviewed literature of best practices for all categories of Fluid Minerals Program.

<table>
<thead>
<tr>
<th>FY 2020 Well Inspections</th>
<th>Total Wells</th>
<th>Wells Needed for FY20</th>
<th>Wells Inspected</th>
<th>% of Total Needed</th>
<th>Wells Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geothermal (8 Locations)</td>
<td>455</td>
<td></td>
<td>259</td>
<td>56.9%</td>
<td></td>
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<tr>
<td>Oil (0 Locations)</td>
<td>121</td>
<td></td>
<td>120</td>
<td>99.1%</td>
<td></td>
</tr>
<tr>
<td>Totals</td>
<td>576</td>
<td>192</td>
<td>379</td>
<td>65.8%</td>
<td>-187</td>
</tr>
</tbody>
</table>

**Website Activity**

<table>
<thead>
<tr>
<th>Period</th>
<th>NDOM Website Pageviews</th>
<th>NDOM Website Unique Pageviews</th>
<th>NDOM Website Top 5 Pageviews</th>
<th>NDOM Open Data Site Views</th>
<th>NDOM Video Views</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2021</td>
<td>4,564</td>
<td>3,422</td>
<td>Mining Claims, Home, Geo-Home, Mining-Home, and AML-Home</td>
<td>2,062</td>
<td>532</td>
</tr>
<tr>
<td>May 2020-May 2021</td>
<td>71,498</td>
<td>51,489</td>
<td></td>
<td>24,947</td>
<td>4,730</td>
</tr>
</tbody>
</table>

**NDOM Web/Open Data/Video Sites 13 Month Rolling Chart**

- NDOM Unique Pageviews
- Open Data Site Views
- Video Views
### Top Visitors

May 2021

<table>
<thead>
<tr>
<th>Country</th>
<th>United States, Canada, China, South Korea, and Spain/India/Philippines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Nevada, California, Texas, Virginia, and Idaho.</td>
</tr>
<tr>
<td>City</td>
<td>Reno, Las Vegas, (unknown), Carson City, and Los Angeles.</td>
</tr>
</tbody>
</table>

### Video Views in May 2021

MONTHLY ACTIVITY REPORTS  
June 2021

Administrator

1. Met with geothermal explorer looking for historic well information in eastern Nevada and answered questions regarding permitting guidance with various agencies.
2. Responded to request for information on entities currently exploring for iron in Nevada.
3. Responded to requests for information from realtor and property owners on mineral estates, conveyances, and land withdrawals in Washoe County.
4. Provided additional information on NASA withdrawal in Railroad Valley to affected oil leaseholders.
5. Responded to request for information on dredging in Nevada and permitting guidance.
6. Reviewed with BLM a proposal to drill DRME wells in Railroad Valley.
7. Meetings attended: Board of Examiners, State Environmental Commission, Smart from the Start Energy Planning, IMCC Regulatory updates, Governor’s Cabinet, Statewide PIOs, BLM Fluid Minerals team.

Deputy Administrator

1. Bond pool activity in June consisted of one notice-level bond decrease and three increases.
2. Assembled 100 rock and mineral boxes for the Girl Scouts of the Sierra Nevada's Mining in Today's World Celebration in Elko. Each participant took home the rock and mineral kit and testing supplies so that they can continue exploring the world of rocks and minerals.
3. The newest NBMG/NDOM FY22-FY23 interlocal contract was approved by the Board of Examiners. This contract will cover sample curation for both fiscals, the Mineral Industry Report for both fiscals, an Exploration Survey for FY23, and the Lithium in Nevada Report in FY22 for a total cost of $194,400.
5. Worked with Broadbent for field work planning and coordination between the BLM for the Cultural Survey Contract.
6. Attended an Interstate Mining Compact Commission legislative update on AML bills and the Biden infrastructure bill that may include AML funding.
7. Held a meeting with Sean and the BLM on the VC, Linka, and Poinsettia AML Projects. The Mineral County Commission is going to visit the Poinsettia project and potentially become more involved with AML.
8. Worked with Sean and EPS on coordinating the remaining projects for FY21 and future FY22.
9. Gave a presentation to Comstock Mining’s Odyssey Decalogue Leadership Program on ESG and AML. There were 12 collegiate students from the east coast that have been partaking in the program sponsored by Comstock Mining.
10. Continued coordinating and planning for the NAAMLP conference this September.
11. Provided basic domain, PC, and Local Area Network (LAN) IT support for NDOM staff.
12. Worked with Valerie on forwarding over and creating authority for FY22 on the Bond Pool Account.
13. Started the application process for a new BLM Assistance agreement. The agreement is for 3 years at $500,000.
The application will be completed and submitted in July.
14. End-of-June financial summary of bond pool:

<table>
<thead>
<tr>
<th>Reclamation Bond Pool Status Report</th>
<th>Current to: 7/1/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan-level Bonds -Company</td>
<td>Project</td>
</tr>
<tr>
<td>Custom Details</td>
<td>Bovie-Lew</td>
</tr>
<tr>
<td>New Gold Nevada (NV Rae)</td>
<td>Black Rock Canyon</td>
</tr>
<tr>
<td>SNL Sand LLC</td>
<td>Money Pit</td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Victorine Mine</td>
</tr>
<tr>
<td>Western Mine Dev.</td>
<td>Kingston Mill</td>
</tr>
<tr>
<td>TNT Venture</td>
<td>Big Canyon</td>
</tr>
<tr>
<td>Tun Glen Mining</td>
<td>Dun Glen</td>
</tr>
<tr>
<td>Statewide Notice-Level</td>
<td>Various</td>
</tr>
</tbody>
</table>

Total Bond Amount: $1,769,704.39
Cash in Pool’s Account (From BSR - 6/30/2021): $2,979,460.42
Unfunded Amount: -$1,209,756.03
Percent funded: 168.4%

Chief, Abandoned Mine Lands Program
1. 2021 AML Intern Program continued into its 7th week completing logging, revisit, and securing work in Nye, Mineral, and Esmeralda counties. Interns also took part in Annual Earth Science teacher workshop as logistical support.
2. AML staff also took part in the annual teacher workshop as course instructors and mine tour leads.
3. Contractor EPS finalized safeguarding project work in the Gillis Range of Mineral County and a hard closure project of the Linka Mine in the vicinity of Spencer’s Hot Springs in Eureka County.
4. NDOM AML staff began planning and budget talks with USFS for a hard closure project in the Aurora mining district in Mineral County for this coming Fall.
5. AML status end-of-June:

<table>
<thead>
<tr>
<th></th>
<th>SITES INVENTORIED</th>
<th>SITES SECURED</th>
<th>% Secured</th>
</tr>
</thead>
<tbody>
<tr>
<td>Since 1987</td>
<td>23,763</td>
<td>19,355</td>
<td>81%</td>
</tr>
<tr>
<td>2021 To Date</td>
<td>136</td>
<td>260</td>
<td>191%</td>
</tr>
</tbody>
</table>

GIS/ Field Specialist
1. Prepared maps and data for intern field work and processed intern field data
2. Made another activity and education/outreach video titled “Geologic Evolution and Ore Deposits of Nevada…On a Brownie”.
3. Prepared for and presented during all five sessions of the Northern Nevada Teachers Workshop.
5. Started compiling script for processing mining claim data sourced from the BLM’s MLRS system.

AML/Fluid Minerals Field Specialist
1. AML: Two weeks as intern field leader (Eureka, Goldfield), continued planning for NAAMLP 2021 Conference, updated and improved QA/QC automation scripts and field data check in processes, updated land research files,
2. Information Security: Attended State meetings, reviewed and reported on Information Security issues affecting the agency to staff
3. Education/Outreach: Updated classroom activities, participated and taught at the Earth Science Teachers Workshop, co-hosted by NDOM and the Nevada Mining Association.

AML/Public Outreach – Southern Nevada Programs Manager
1. Supervised AML interns doing field work near Tonopah; recorded 77 revisits, 40 securings, 50 loggings of new hazards, and 520 non-hazards as a team during the week.
2. Certified two NDOM staff on Red Cross Adult and Child CPR, AED, and First Aid.
3. Created three Nevada Mineral Fact Sheet informational flyers for use in education and outreach activities; these flyers highlight the uses and production statistics of minerals and rocks produced in Nevada.
4. Assisted in editing the 2020 Abandoned Mine Lands Program report.
5. Input the remaining EPS revisit program data into the Stay Out, Stay Alive database.
6. Attended a 2-day virtual UAS Symposium hosted in cooperation with the FAA; the event covered FAA updates relating to UAS, public safety resources, remote-ID regulations, and more.
7. Continue to maintain the NAAMLP conference Call for Papers correspondence and tracking and updating of the conference website.
9. Participated in a Nevada Certified Contact Manager’s re-certification course and received a renewed certification.
10. Participated in an NDOM review of internal controls meeting.
11. Participated in an NAAMLP planning committee meeting.
12. Met with City of Henderson officials on behalf of the McCaw School of Mines to discuss McCaw’s role in the city’s revitalization efforts.

**AML/Public Outreach and Education – Southern Nevada Field Specialist**

1. Completed American Red Cross course: Adult First Aid/CPR/AED.
2. Worked on annual Cultural Resource Avoidance Certification (CRAC) report.
3. Prepared and submitted applications to Nevada Department of Education and CCSD PDE office to provide credit to teachers for “All About Mining: Mining for a STEAM Education” virtual course.
6. Worked on AML land research in preparation of owner notifications.

**Fluid Minerals Program Manager:**

1. No geothermal or oil permits were issued in June.
2. Fifteen geothermal and three oil permits issued have not yet been drilled. NGP Blue Mountain 1 has two permits. Ormat has nine geothermal permits, five at Wild Rose, three at Crescent Valley, and one at Dixie Meadows. Open Mountain Energy has four open TG well permits on a federal lease in the Wabuska area. Kebo Oil and Gas and West Grant Canyon Development each have one open drilling permit in Railroad Valley. Oil permit 0978 West Grant Canyon Development, LLC Butterfield Federal 1 expired 6/4/2021. Western Oil Exploration has one open permit in Newark Valley.
3. Five geothermal and no oil sundry notices were processed in June.
4. The ORNI 43 Tungsten Mountain 86(85)- and San Emidio 84-20 and 25(46)-28 injection wells and the Ormat 23-20 and 61-16 Thermal Gradient wells are still waiting on BLM approval. Approval is being delayed at San Emidio while the EA is being completed. ORNI 27(38)-12 industrial well and NGP BM 73-22 observation wells are waiting on BLM approval as well.
5. A DMRE company has contacted me about the possibility of drilling four DMRE exploration wells on their claims in Railroad Valley, NASA’s land withdrawal request and associated segregation affects a portion of their claim block.
6. An operator has inquired about drilling a 4,000’ foot well near the Wabuska Geothermal Field.
7. A company has been inquiring about drilling enhanced geothermal wells near Winnemucca, they plan on drilling lateral wells in deep formations to generate electricity.
8. An oil company has contacted NDOM about permitting a re-entry into an existing well in the Three Bar Field in Eureka County.
9. New employee trainings; Microsoft Access.
10. Witnessed a casing repair job on a permitted injection well at Patua.
11. No well inspections were performed in June. FY21 inspection status remains unchanged.
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<td>Jun 2021</td>
<td>4,566</td>
<td>3,402</td>
<td>Mining Claims, Home, Geo-Home, Mining-Home, and Mining Stock Cert</td>
<td>2,357</td>
<td>492</td>
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<tr>
<td>Jun 2020-</td>
<td>70,958</td>
<td>51,289</td>
<td></td>
<td>25,609</td>
<td>4,487</td>
</tr>
<tr>
<td>Jun 2021</td>
<td></td>
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<td></td>
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NDOM Web/Open Data/Video Sites
13 Month Rolling Chart

NDOM Website - Top 5 Unique Page Views for June 2021

*All Other Webpages - Site pages including Home Pages, Current Information, About Us, Commission, Programs, News, FAQs, and Contact Us pages.
<table>
<thead>
<tr>
<th>Top Visitors</th>
<th>Jun-2021</th>
<th>Country</th>
<th>United States, Canada, China, (unknown), and Germany/India.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>State</td>
<td>Nevada, California, Texas, Washington, and Virginia.</td>
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<table>
<thead>
<tr>
<th>Video Views in June 2021</th>
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