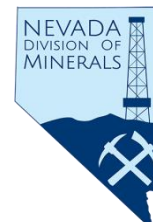




**STEVE SISOLAK**  
Governor

STATE OF NEVADA  
COMMISSION ON MINERAL RESOURCES  
**DIVISION OF MINERALS**

400 W. King Street, Suite 106  
Carson City, Nevada 89703  
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<http://minerals.nv.gov/>



**MICHAEL VISHER**  
Administrator

**Las Vegas Office:** 375 E. Warm Springs Rd. #205, Las Vegas, NV 89119  
Phone: (702) 486-4343; Fax: (702) 486-4345

**COMMISSION ON MINERAL RESOURCES**  
The Terry Lee Wells Nevada Discovery Museum  
490 S. Center Street, Reno, NV 89501

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](mailto: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.

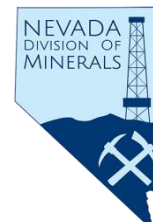
## II. MINUTES



**STEVE SISOLAK**  
Governor

STATE OF NEVADA  
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**MICHAEL VISHER**  
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**Las Vegas Office:** 375 E. Warm Springs Rd. #205, Las Vegas, NV 89119  
Phone: (702) 486-4343; Fax: (702) 486-4345

Thursday, May 13, 2021

1:00 P.M.

**MINUTES**

Commissioners	Staff	Public
Rich DeLong	Mike Visher	Jim Faulds, NBMG
Mary Korpi	Rob Ghiglieri	John Muntean, NBMG
Art Henderson	Sherrie Nuckolls	
Josh Nordquist	Rebecca Ely	
Nigel Bain	Garrett Wake	
Bob Felder	Cortney Luxford	
Randy Griffin	Anthony Walsh, DAG	

**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 1<sup>st</sup> 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 3<sup>rd</sup>.



**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 Visser:** 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 81<sup>st</sup> (2021) Session of the Nevada Legislature**

Mike Visser 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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.

**C. NBMG 2019 Mineral Industry Report and 2019/2020 Exploration Survey**

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 Visser 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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 allocates those to the appropriate Commissioner or Commissioners to contact those companies. Does that make sense to the group, Mike to you?

**Mike Visser:** 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 Visser:** 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 Visser:** 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 Visser:** 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 Visser:** Right, and then that's the end of your responsibility at that point.

**Randy Griffin:** Okay.

**Mike Visser:** 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 it 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 agenda 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.

**Rich DeLong:** Fair point.

**Mike Visser:** 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 Visser:** 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 Visser:** 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?  
**Anthony Walsh:** For the record I think it would be appropriate to have a motion to un-table that or a recognition that we're un-tabling the item for the next time.  
**Rich DeLong:** Since John has since joined the meeting rather than tabling item III. C. under New Business we're going to discuss it here such that we don't need to carry it on to the next meeting.  
**Anthony Walsh:** Very good and I think that covers it as items may be taken out of order, it's back on the agenda.

#### **New Business**

##### **C. NBMG 2019 Mineral Industry Report and 2019/2020 Exploration Survey**

**John Muntean:** Gave a brief review of the Bureau's Minerals Industry Report and 2019/2020 Exploration Survey.

#### **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 Visser:** 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 Visser:** 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 30<sup>th</sup> and what is the process to be reappointed if they'd like to stay on.

**Mike Visser:** 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 Visser:** 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 NAAMLPP 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.

DRAFT

### **III. NEW BUSINESS**

### **III. A Introduction of New Commissioner and Reappointments**



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## 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.

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](http://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 15<sup>th</sup> day of June A.D., 2021.



By Governor Steve Sisolak:

  
Governor of the State of Nevada

  
Secretary of State of Nevada

  
Deputy



ONE HUNDRED ONE NORTH CARSON STREET  
CARSON CITY, NEVADA 89701  
OFFICE: (775) 684-5670  
FAX No.: (775) 684-5683



555 EAST WASHINGTON AVENUE, SUITE 5100  
LAS VEGAS, NEVADA 89101  
OFFICE: (702) 486-2500  
FAX No.: (702) 486-2505

## 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.

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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 15<sup>th</sup> day of June A.D., 2021.



By Governor Steve Sisolak:

\_\_\_\_\_  
Governor of the State of Nevada

Barbara K. Cegavske

\_\_\_\_\_  
Secretary of State of Nevada

Debbie Bowman

\_\_\_\_\_  
Deputy



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## 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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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.

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Governor of the State of Nevada  
By Governor Steve Sisolak.

\_\_\_\_\_  
Barbara K. Cegavske  
Secretary of State of Nevada

\_\_\_\_\_  
Debbie Bowman  
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## Office of Governor Steve Sisolak

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.

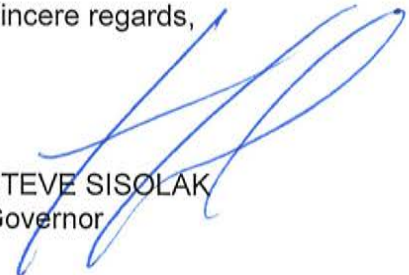
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Sincere regards,

  
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 15<sup>th</sup> day of June A.D., 2021.



By Governor Steve Sisolak:

  
Governor of the State of Nevada

  
Secretary of State of Nevada

  
Deputy



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## 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

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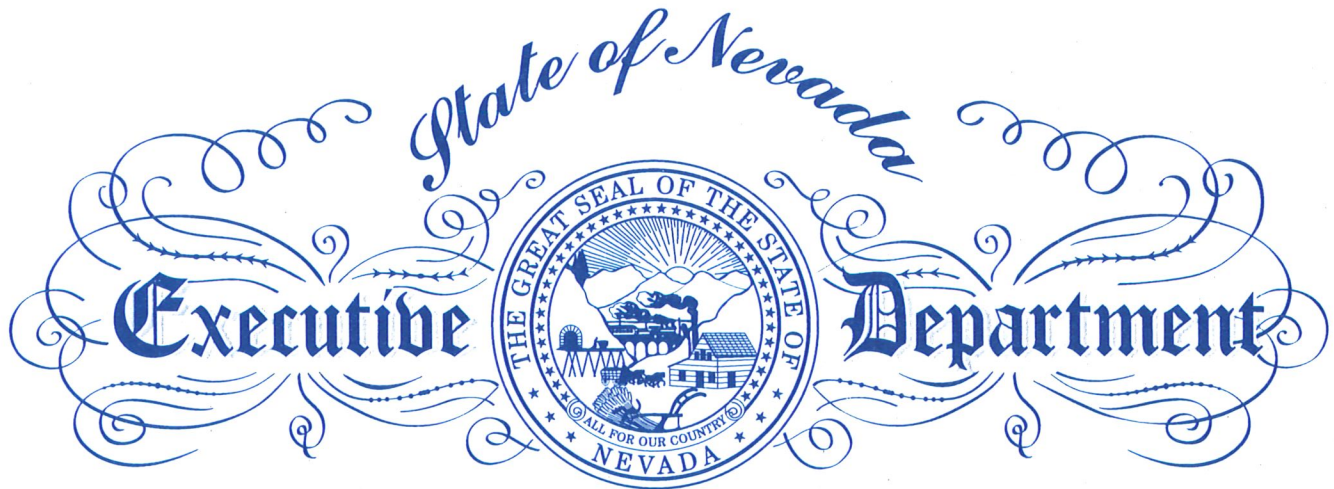
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Sincere regards,

  
STEVE SISOLAK  
Governor

Enclosures



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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**

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\_\_\_\_\_  
Governor of the State of Nevada  
By Governor Steve Sisolak.

Barbara K. Cegavske  
Secretary of State of Nevada

Debbie Bowman  
Deputy



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June 15, 2021

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4332 Aspenwood Court  
Reno, NV 89519

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Term: 7/01/2021 to 6/30/2025

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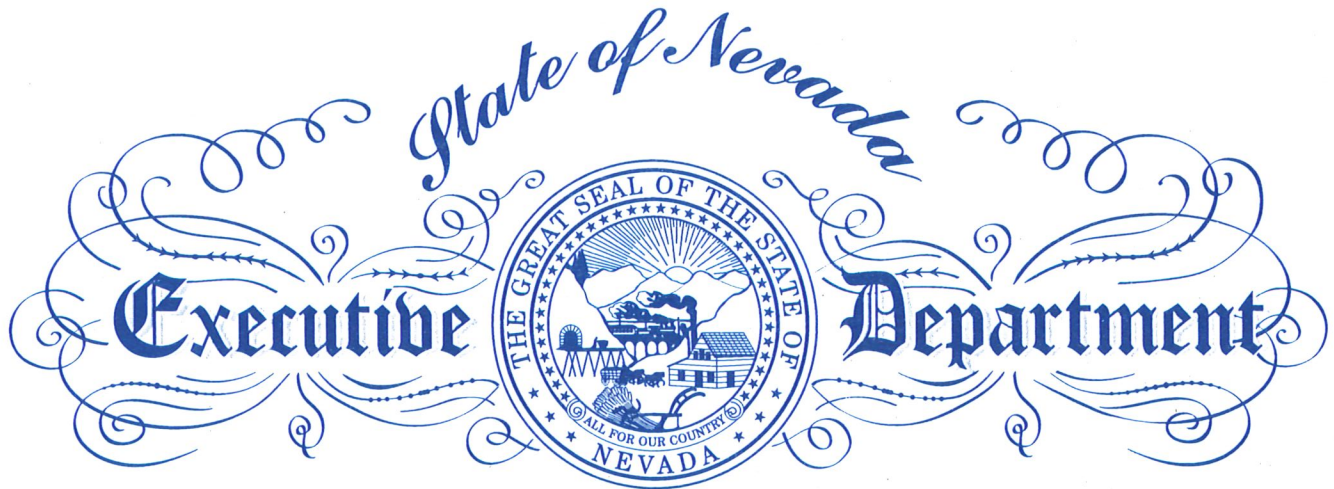
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Sincere regards,

  
STEVE SISOLAK  
Governor

Enclosures



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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**

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By Governor Steve Sisolak:

  
Governor of the State of Nevada

  
Secretary of State of Nevada

  
Deputy



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## 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.

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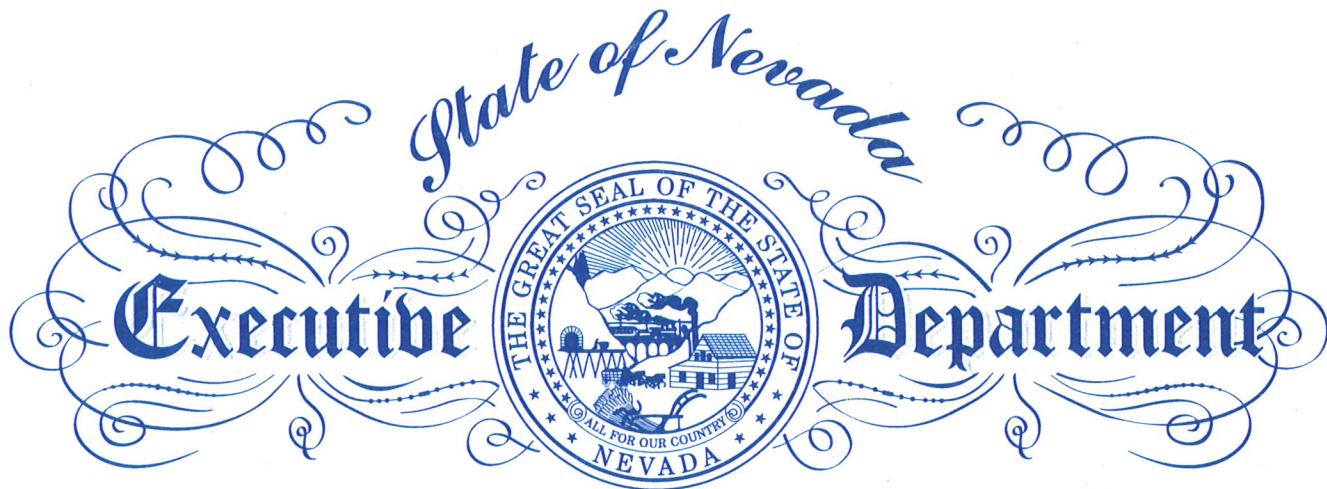
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Sincere regards,

  
STEVE SISOLAK  
Governor

Enclosures



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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.

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\_\_\_\_\_  
Governor of the State of Nevada

By Governor Steve Sisolak:

\_\_\_\_\_  
Barbara K. Cegavske  
Secretary of State of Nevada

\_\_\_\_\_  
Debbie Bowman  
Deputy



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June 15, 2021

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

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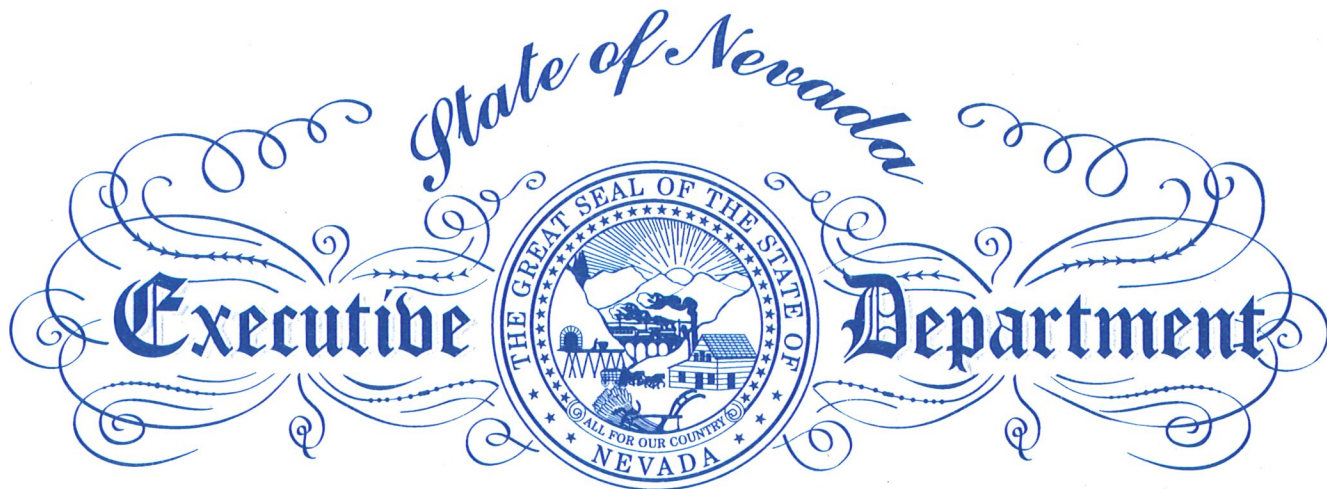
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Sincere regards,

  
STEVE SISOLAK  
Governor

Enclosures



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**APPOINT AND COMMISSION**

**STEPHANIE HALLINAN**

**A MEMBER OF THE**

**COMMISSION ON MINERAL RESOURCES**

**FOR THE STATE OF NEVADA**

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By Governor Steve Sisolak:

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Governor of the State of Nevada

Barbara K. Cegavske

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Secretary of State of Nevada

Debbie Bowman

\_\_\_\_\_  
Deputy



### **III. B Election of new Mineral Commission Chairman**

## CHAPTER 513 - COMMISSION ON MINERAL RESOURCES

### GENERAL PROVISIONS

<a href="#">NRS 513.011</a>	Definitions.
<a href="#">NRS 513.023</a>	Creation; appointment of members; terms of office.
<a href="#">NRS 513.025</a>	Composition.
<a href="#">NRS 513.033</a>	Compensation of members.
<a href="#">NRS 513.043</a>	Officers.
<a href="#">NRS 513.053</a>	Meetings; quorum; minutes, audio recordings and transcripts.
<a href="#">NRS 513.063</a>	Duties.

### DIVISION OF MINERALS

<a href="#">NRS 513.073</a>	Encouragement of exploration; collection and dissemination of educational information; maintenance of register of operations; record of annual production; administration of <a href="#">chapter 522</a> of NRS and regulations of Commission.
<a href="#">NRS 513.075</a>	Suggested forms for required documents; regulations to ensure conformance in preparation of certain maps.
<a href="#">NRS 513.083</a>	Administrator: Appointment; qualifications; classification; restrictions on other employment.
<a href="#">NRS 513.093</a>	Administrator: Duties.
<a href="#">NRS 513.094</a>	Imposition of additional fee for certain filings required by <a href="#">chapter 517</a> of NRS; Administrator required to establish program to discover dangerous conditions at nonoperating mines; employment of qualified assistant; regulations.
<a href="#">NRS 513.103</a>	Account for the Division of Minerals: Creation; sources, lapse and use of money in Account.
<a href="#">NRS 513.108</a>	Abatement of dangerous condition of nonoperating mines; reimbursement of Division.
<a href="#">NRS 513.113</a>	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.
  3. "Division" means the Division of Minerals of the Commission.
- (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 [1985, 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, 1867](#); A [1993, 298, 1683](#); [1995, 579](#); [1999, 890, 3627](#); [2001, 66](#))

**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 534A.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.

(Added to NRS by [1983, 2070](#); A [1985, 303](#); [1987, 1868](#); [1989, 141](#); [1991, 1779](#); [1993, 111, 1684](#); [1995, 509](#))

**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 513.103](#).

(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

**RECEIVED**  
**JUN 22 2021**  
**DIVISION OF MINERALS**

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 8<sup>th</sup> grade students on field trips and 6,500 K-7<sup>th</sup> 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](mailto:msinclair@nvdm.org) or (775) 398-5902. Thank you so much for your consideration of this request.

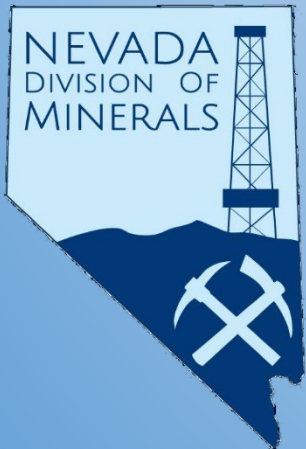
Sincerely,



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](mailto:gwake@minerals.nv.gov)  
[minerals.nv.gov](http://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



A photograph of a workshop activity in a classroom. In the foreground, three women are gathered around a table. One woman in a blue shirt is pointing at a rock sample on the table. Another woman in a purple shirt is looking at the same sample. A third woman in a grey shirt is also looking at the table. The table is covered with various rock samples, some in bags, and several informational cards. In the background, other participants are seated at tables, and a man in a blue shirt is standing near a whiteboard. The room has a clock on the wall and a bulletin board with colorful papers.

# Workshop Activities

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- 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

## 14 Teachers

36th Annual Northern Nevada Earth Science Education Workshop 2021					
Class/Session Plan Chart For Tuesday, June 22, 2021 updated 5/25/21 sln					
Room#	<u>Session 1</u> 8:15 – 9:45 a.m.	<u>Session 2</u> 9:55 - 11:25 a.m.	<u>Session 3</u> 12:20 - 1:50 p.m.	<u>Session 4</u> 2:00 - 3:30 p.m.	<u>Session 5</u> 3:40-5:10pm
1	Minerals K-8 Sean D	Mineral Use 4-8 Sean D/Rachel M	Rocks and Geology K-8 Sean D		Critical Elements of Energy 6-12 Jon P
2		Geologic Time and Fossils K-8 Lucia/Courtney		Edible Geology K-6 Lucia	Edible Geology K-6 Lucia
3		Nevada's Natural Resources K-12 Patti		Playdoh Structure 4-12 Maureen	Natural Disasters 5-12 Maureen
4	Minerals- LVL 2 Advanced Lucia/Courtney		Rocks and Geology-LVL 2 Advanced Lucia/Courtney	Cupcake Core Drilling 6-12 Terry	
5	Minerals K-8 Rachel M		Rocks and Geology K-8 Rachel M	One in a Million 5-8 Ginger/Beth	
6	Minerals 9-11 Garrett/Becky	Minerals "Grab Bag" 2-8 Garrett/Becky	Rocks and Geology 9-11 Garrett/Becky	Drilling for Energy 6-12 Courtney	Finding your Way 4-12 Becky
7	Minerals K-8 Terry		Rocks and Geology K-8 Terry		Build a Mine 4-12 Joe/Terry
8		History of Mining K-6 Rob G		Plate Tectonics 5-12 Rachel M	

Tour #	Tour	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

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- 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

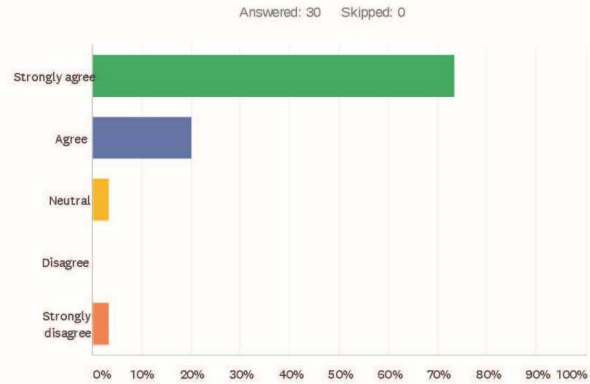




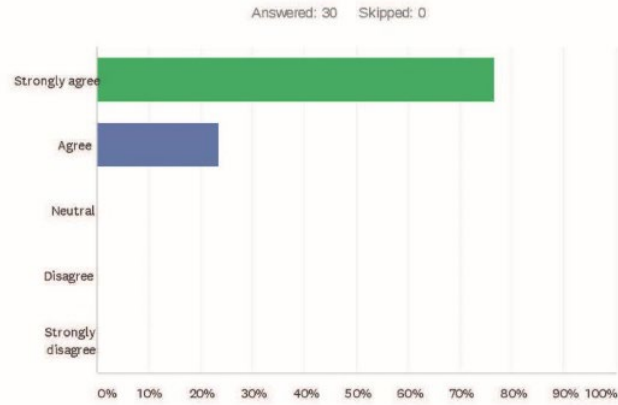
# Feedback from Post-Workshop Survey (2021)

- 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!"*

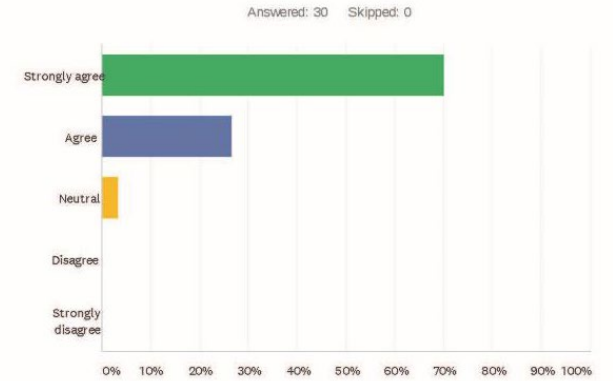
Q7 Pre-workshop information and registration is accessible and convenient.



Q8 The facilities are comfortable and conducive to learning.



Q9 The workshop schedule is satisfactory (e.g., session and break lengths).

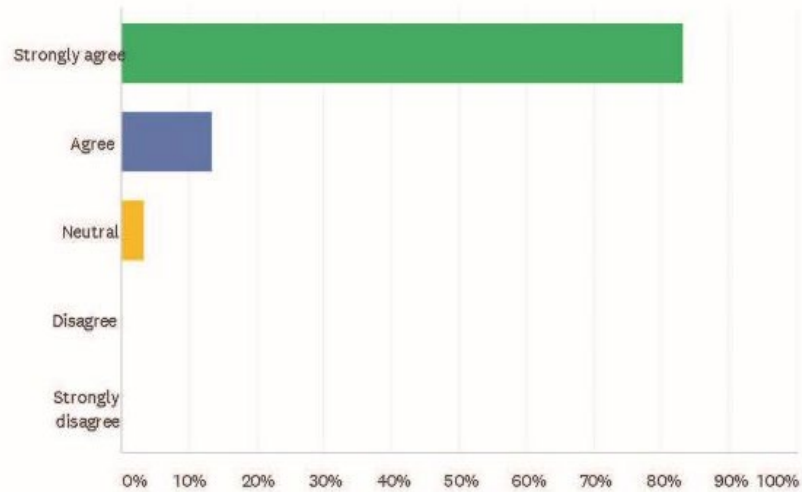


# 2021 Carson City Workshop Responses

# 2021 Carson City Workshop Responses

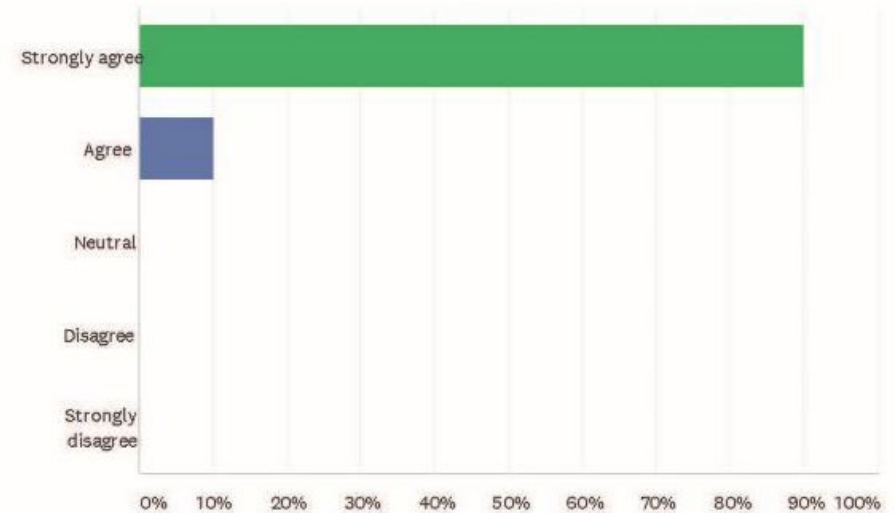
Q10 I feel that I have received important content from this workshop that I can use in my classroom.

Answered: 30 Skipped: 0



Q11 This workshop has been a great experience overall.

Answered: 30 Skipped: 0





# Workshop Challenges

2020 workshops cancelled due to the pandemic. 2021 N.NV workshop was limited in size, 35 attendees.

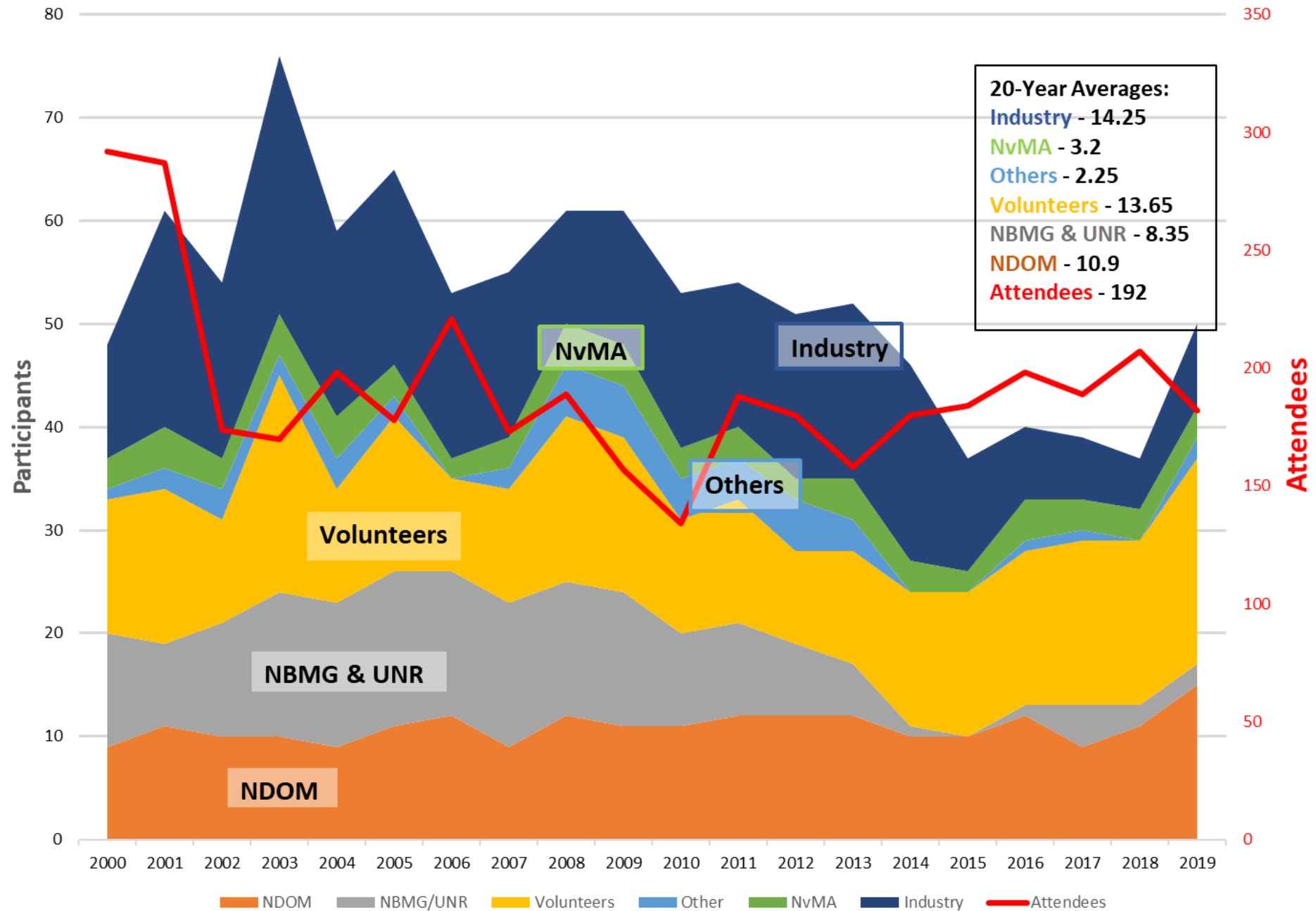
Several workshop activities were modified for virtual presentations or for use as distance learning videos, requiring some new equipment, patience, and skills.

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.

Annual Sum of Earth Science Education Teacher Workshop Participants/Attendees (2000-2019)



# 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**





## Q12 What do you consider were the important takeaways from this workshop?

Answered: 30 Skipped: 0

#	RESPONSES	DATE
1	Edible Geology (rock cycle and land formation)	6/24/2021 9:50 PM
2	I really enjoyed it all. The Stewart School was very interesting. I had no idea that the buildings were so many different rocks.	6/24/2021 9:16 PM
3	Diatomaceous earth info was relevant and understandable	6/24/2021 5:11 PM
4	Loved the lecture on the taxes. Thank you, people need to know this stuff!!!	6/24/2021 10:00 AM
5	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.	6/23/2021 6:05 PM
6	Ever fresh ideas to present to students	6/23/2021 4:13 PM
7	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.	6/23/2021 4:11 PM
8	Handouts and workshops. Probably my 20th time I have attended the conference	6/23/2021 4:10 PM
9	History of mines and the Stewart Indian school	6/23/2021 4:09 PM
10	Lots of interesting information. Didn't get typical before class email except to be there by 8am on tuesday	6/23/2021 4:07 PM
11	New content ideas for my students	6/23/2021 3:42 PM
12	Teacher personalities and experience. I love what I learned! Sharing the material will be easy with all the ideas and material.	6/23/2021 3:28 PM
13	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;	6/23/2021 3:26 PM
14	I really enjoyed the ideas to use for the rock and mineral kits given.	6/23/2021 3:24 PM
15	I can easily adapt the content to my classroom.	6/23/2021 3:23 PM
16	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.	6/23/2021 3:22 PM
17	The importance of rocks and minerals and how we use them in our daily lives.	6/23/2021 3:21 PM
18	Ideas I shared with my same level cohorts on how to bring these ideas into the classroom	6/23/2021 3:21 PM
19	The classes and resources. The information and pictures I got from the tour that I can bring into my lectures	6/23/2021 3:21 PM
20	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!	6/23/2021 3:21 PM
21	Lessons , links & resources given	6/23/2021 3:20 PM

## Day 2 Survey - 2021 Northern Nevada Mineral Education Workshop

22	Mining is important for everything, and Nevada is a great supplier of so many raw materials!	6/23/2021 3:20 PM
23	I learned alot	6/23/2021 3:20 PM
24	Lots of knowledge to give students about Nevada	6/23/2021 3:19 PM
25	I always enjoy receiving such relevant and handy resources from the workshop!	6/23/2021 3:19 PM
26	Adapting existing videos, content, curricula for use in a public library system for STEAM programs for younger children. Excellent resources from Lucia, rock & mineral samples and ID kits are outstanding. All will be very useful.	6/23/2021 3:19 PM
27	Hands on activities	6/23/2021 3:18 PM
28	All the info and swag	6/23/2021 3:17 PM
29	How to adapt lesson to the classrooms.	6/23/2021 3:17 PM
30	Hands on experience	6/23/2021 12:51 PM



## Q13 What would you like to see changed about this workshop?

Answered: 30 Skipped: 0

#	RESPONSES	DATE
1	Nothing. Everyone did an excellent job!	6/24/2021 9:50 PM
2	Rachel did a wonderful job but I think I could hear her better maybe if she stood up while talking on the bus.	6/24/2021 9:16 PM
3	Visit Haven mine to take away fish fossils	6/24/2021 5:11 PM
4	Nothing!	6/24/2021 10:00 AM
5	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 & copper.	6/23/2021 6:05 PM
6	Bummer that EP wouldn't allow leaving bus to get samples.means a lot to be able to show hands on materials to students.	6/23/2021 4:13 PM
7	I think it would be nice to have worksheets or some type of paper guides for some of the classes.	6/23/2021 4:11 PM
8	Really liked the gold silver mine tours in years past. Hint, Yarrington or Aurora is clear close	6/23/2021 4:10 PM
9	ELY!!!!!! Let's go!!!!	6/23/2021 4:09 PM
10	Just a more informative sign up email	6/23/2021 4:07 PM
11	Nothing really =)	6/23/2021 3:42 PM
12	EP Minerals staying in the bus. No dig	6/23/2021 3:28 PM
13	It was great. Earthquake lab at UNR - ??	6/23/2021 3:26 PM
14	Nothing I can think of.	6/23/2021 3:24 PM
15	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.	6/23/2021 3:23 PM
16	I always love it! It would be really fun to go to rural Nevada for next year. :)	6/23/2021 3:22 PM
17	More collaboration with peers. 10:2 method of teaching. Lecture for 10 minutes and talk about for 2 minutes.	6/23/2021 3:21 PM
18	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.	6/23/2021 3:21 PM
19	Maybe for both days do half of the day classes and half of the day tours?	6/23/2021 3:21 PM
20	I enjoy this workshop. I can't think of anything I would change. The pace was great. The content wonderful.	6/23/2021 3:21 PM
21	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	6/23/2021 3:20 PM
22	Nothing	6/23/2021 3:20 PM
23	More fields trip	6/23/2021 3:20 PM
24	More no gluten options	6/23/2021 3:19 PM
25	Nothing	6/23/2021 3:19 PM
26	Nice balance of sessions & fieldtrio. But I'd like another field opportunity or two.	6/23/2021 3:19 PM

## Day 2 Survey - 2021 Northern Nevada Mineral Education Workshop

27	Nothing	6/23/2021 3:18 PM
28	Nothing	6/23/2021 3:17 PM
29	Nothing	6/23/2021 3:17 PM
30	Nothing	6/23/2021 12:51 PM

# 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

#	RESPONSES	DATE
1	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.	6/24/2021 9:50 PM
2	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.	6/24/2021 9:16 PM
3	Only once and was able to use fish fossils with students b	6/24/2021 5:11 PM
4	No	6/24/2021 10:00 AM
5	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	6/23/2021 6:05 PM
6	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.	6/23/2021 4:13 PM
7	I believe I attended one in Winnemucca a couple of years ago.	6/23/2021 4:11 PM
8	20 plus times. My teachers also attended. We used the materials for 20 years	6/23/2021 4:10 PM
9	4 going to go to the Indian school next year	6/23/2021 4:09 PM
10	Yes probably like 10. My school collects the rock boxes for class level	6/23/2021 4:07 PM
11	Once, I use the minerals a lot!	6/23/2021 3:42 PM
12	No	6/23/2021 3:28 PM
13	No this was my first time	6/23/2021 3:26 PM
14	Yes. This was my third year attending. I have been able to incorporate the rock and mineral kits in an identification lab.	6/23/2021 3:24 PM
15	Yes. For the last 4 years. It's adaptable to all curricula. I use it in all the subjects I teach, not only science.	6/23/2021 3:23 PM
16	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.	6/23/2021 3:22 PM
17	Yes, 3rd time. Careers in mining and how we use minerals.	6/23/2021 3:21 PM
18	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.	6/23/2021 3:21 PM
19	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.	6/23/2021 3:21 PM

## Day 2 Survey - 2021 Northern Nevada Mineral Education Workshop

20	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.	6/23/2021 3:21 PM
21	No	6/23/2021 3:20 PM
22	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!	6/23/2021 3:20 PM
23	Yes Moore Ethan five	6/23/2021 3:20 PM
24	Yes,I use this information every year!	6/23/2021 3:19 PM
25	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.	6/23/2021 3:19 PM
26	No, first time	6/23/2021 3:19 PM
27	Many years ago and used it when I taught 4th grade	6/23/2021 3:18 PM
28	No	6/23/2021 3:17 PM
29	Yes 5 times. I incorporate many of the lessons into my classroom.	6/23/2021 3:17 PM
30	Yes	6/23/2021 12:51 PM



# 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 a 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, "so (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 techno world 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 Fennemore Craig, took over from predecessor Dana



PHOTOS: JESSICA GARCIA/NEVADA APPEAL

Beverly Vugteveen, forefront, who will begin the 2021-22 school year at Under the Magic Pine Tree, a preschool in Gardnerville this fall, examines various rocks and minerals Tuesday along with volunteer Patti McClelland, left, and with Karen Kimber, far left, of Flag View Intermediate School of Elko also participating, at the Nevada Mining Association's 36th annual Northern Nevada Mineral Education workshop Tuesday in Carson City.

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



Lucia Patterson, Nevada Division of Minerals geologist, left, offers activities to teachers at this week's Nevada Mining Association's annual Northern Nevada Mineral Education workshop Tuesday in Carson City.



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 Minerals 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 represent humans in inches with a script talking about the history of Earth. She also



COURTESY

**Teachers from across Nevada attended Nevada Mining Association's 36th annual Northern Nevada Mineral Education Workshop, taking part in Wednesday's tour at the Stewart Indian School Cultural Center and Museum.**

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 in-class 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'



**Teachers Shaun Minor of Sutro Elementary School in Lyon County and Diana DiSalvio of Tony Alamo Elementary School in Clark County examine the physical properties of popcorn salt and eyeshadow at their station Tuesday at Bethlehem Lutheran School, referring to a colorful chart.**

artisans, masonry and stone buildings.

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

"It's not about gold or silver, it is 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

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**





**NVMA**  
Nevada Mining Association  
EST. 1913

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Tony Sanchez  
NV Energy  
Randy Shefman  
Royal Gold  
Megan Tibbals  
Nevada Gold Mines

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 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 Nevada Mineral, Oil and Geothermal Production



Commission on Mineral Resources

July 22, 2021

Lucia Patterson, GIS specialist-geologist

## Nevada Division of Minerals

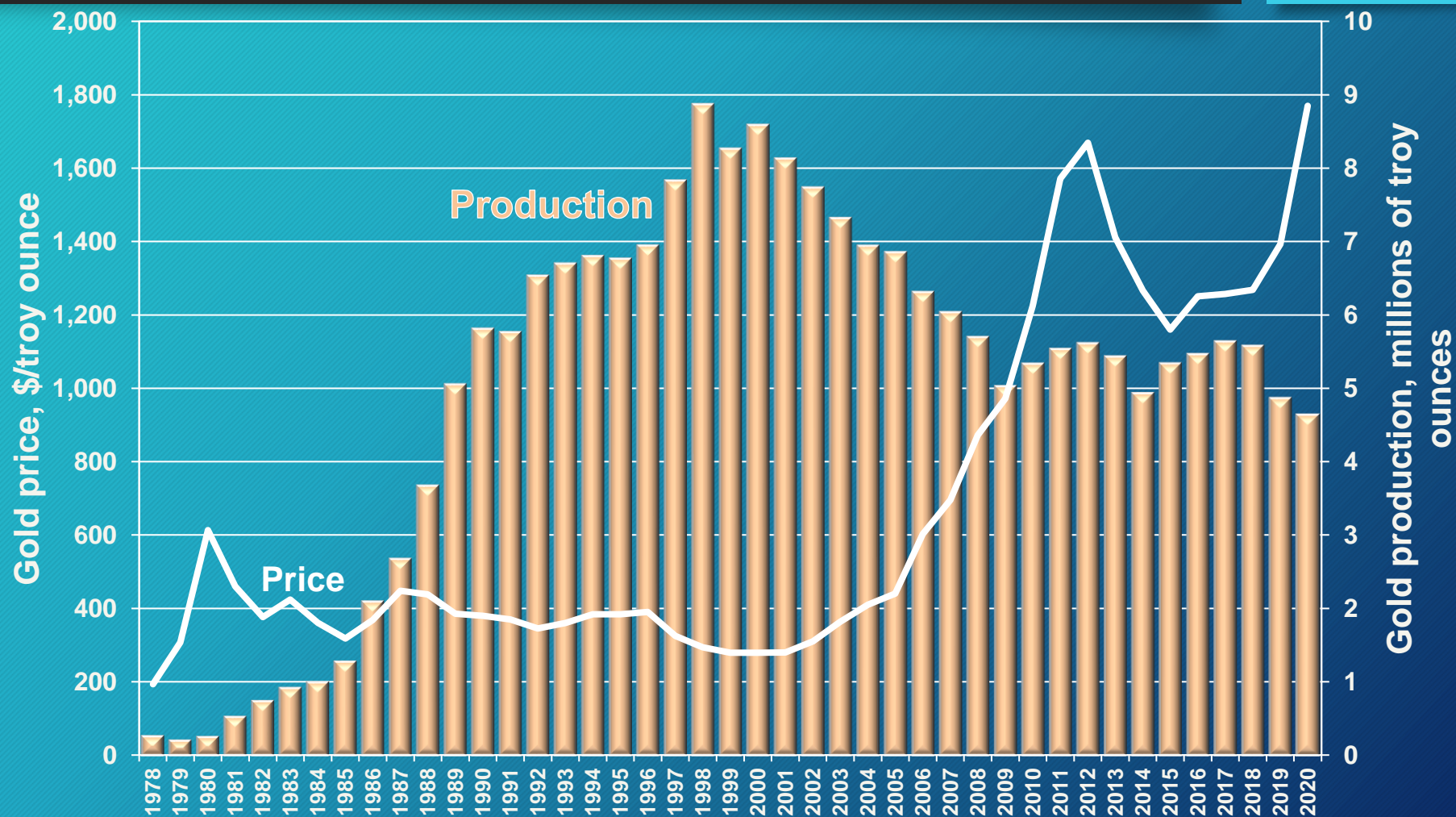


# Nevada Gold



## 2020 Production:

- ✂ 4.63 Million ounces
- ✂ -4.9% vs. 2019
- ✂ 32 mining operations
- ✂ 21 operators



# 2020 Production By Operator

## 2020 Nevada Metal Production, By Producer - Draft

Ranked by gold production

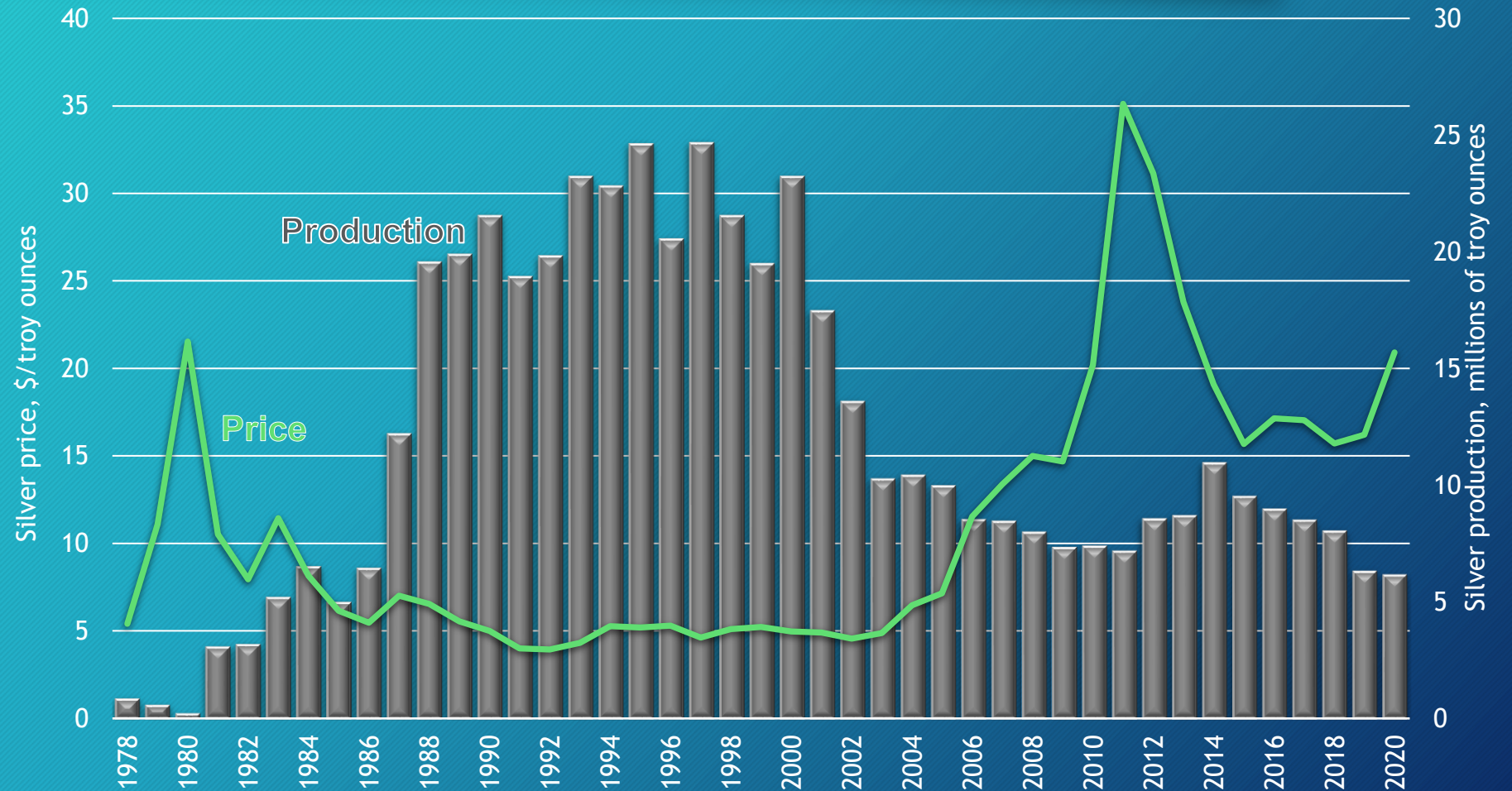
Operator	Gold (ozs)	Silver (ozs)	Copper (lbs)	Moly (lbs)
Nevada Gold Mines, LLC	3,469,998	1,289,700	41,957,856	
Round Mountain Gold, Corp.	313,454	933,702		
SSR Mining	234,443	3,329		
KG Mining (Bald Mountain), Inc.	190,496	64,555		
Jerritt Canyon Gold, LLC	112,749	NR		
Florida Canyon Mining, Inc.	46,866	27,490		
GRP Pan, LLC	46,516	NR		
KGHM International, Ltd.	38,801	199,382	109,639,248	426,538
Klondex Gold & Silver Mining Co.	31,800	37,400		
Walker Lane Minerals, Corp.	28,542	26,961		
McEwen Mining Nevada, Inc.	27,910	NR		
Hycroft Mining, Corp.	27,392	178,836		
Coeur Rochester, Inc.	27,147	3,174,529		
Rawhide Mining, LLC	24,078	159,049		
Gold Acquisition, Corp.	5,072	14,330		
Ruby Hill Mining Company, LLC	3,252	5,153		
Mineral Ridge Gold, LLC	2,800	1,358		
Borealis Mining Company	310	896		
Nevada Copper, Inc.	293	10,757	2,667,827	
Geo-Nevada, Inc.	18	11		
Craig Pickens - Toquima Gold	8	NR		

# Nevada Silver



## 2020 Production:

- ⌘ 6,127,438 Million ounces
- ⌘ -2.5% vs. 2019
- ⌘ 31 mining operations
- ⌘ 20 operators



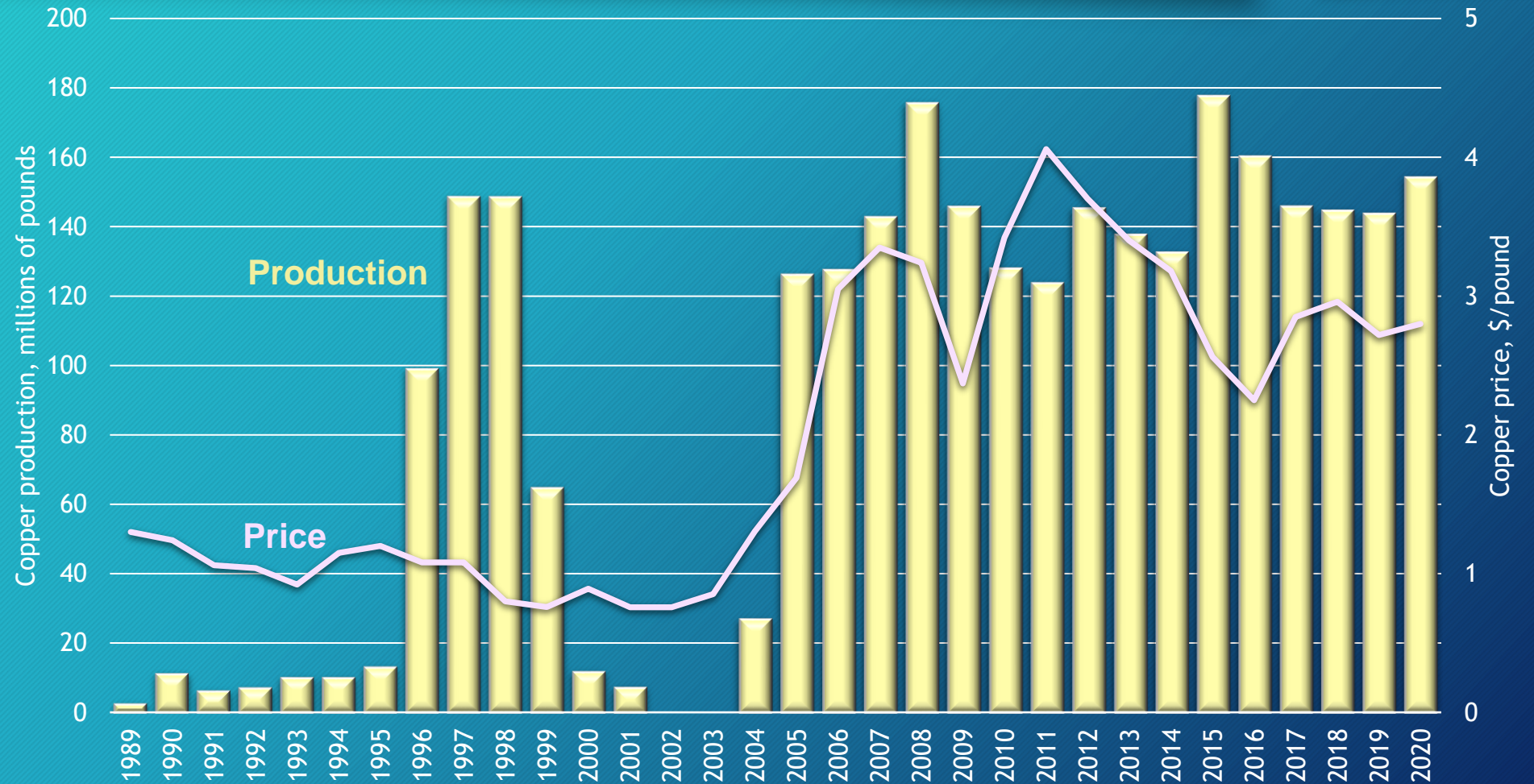


# Nevada Copper



## 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

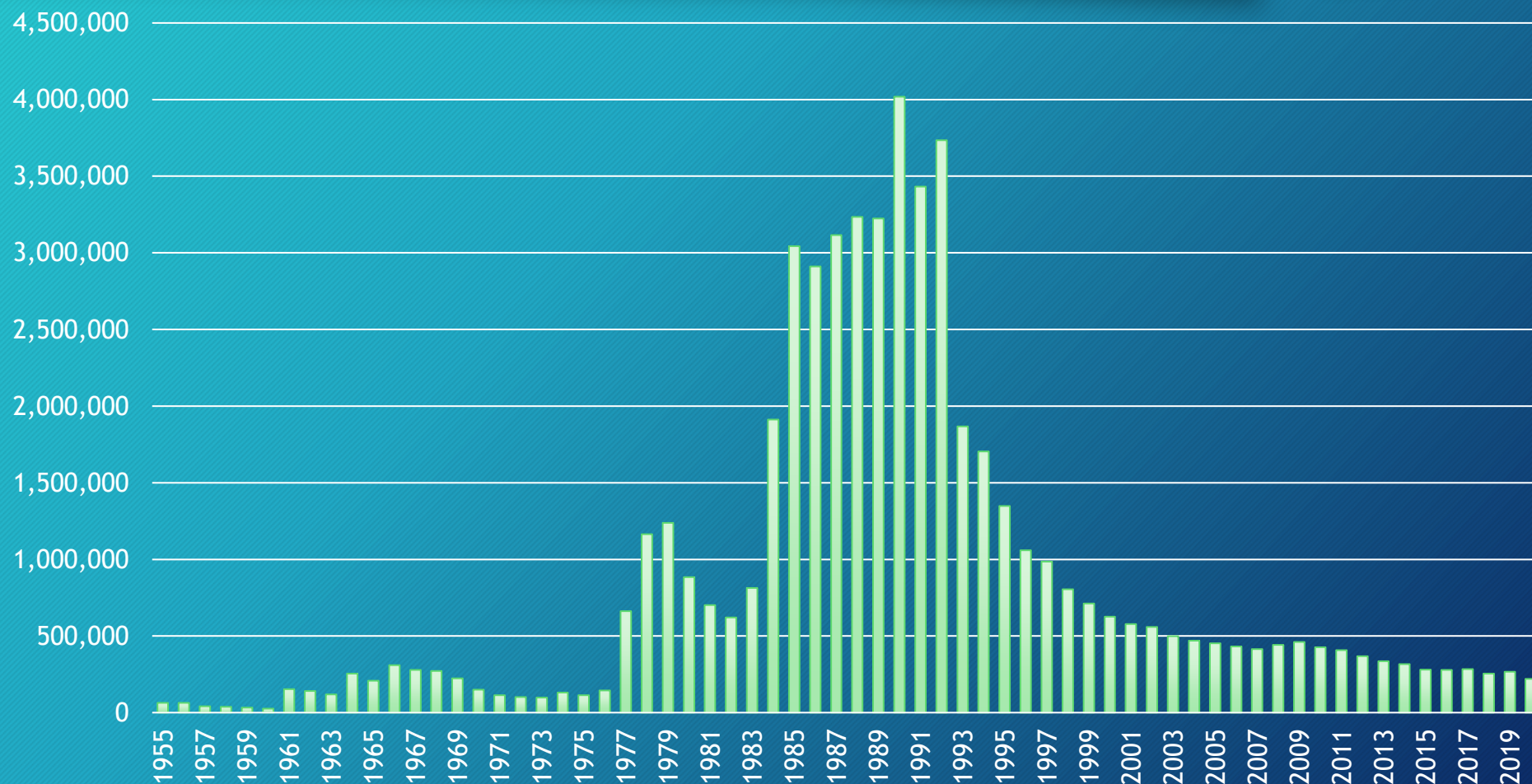


## 2020 Production:

✂ 220,608 barrels

✂ -17% vs. 2019

✂ 1955-2020  
cumulative  
production  
54,687,018 barrels





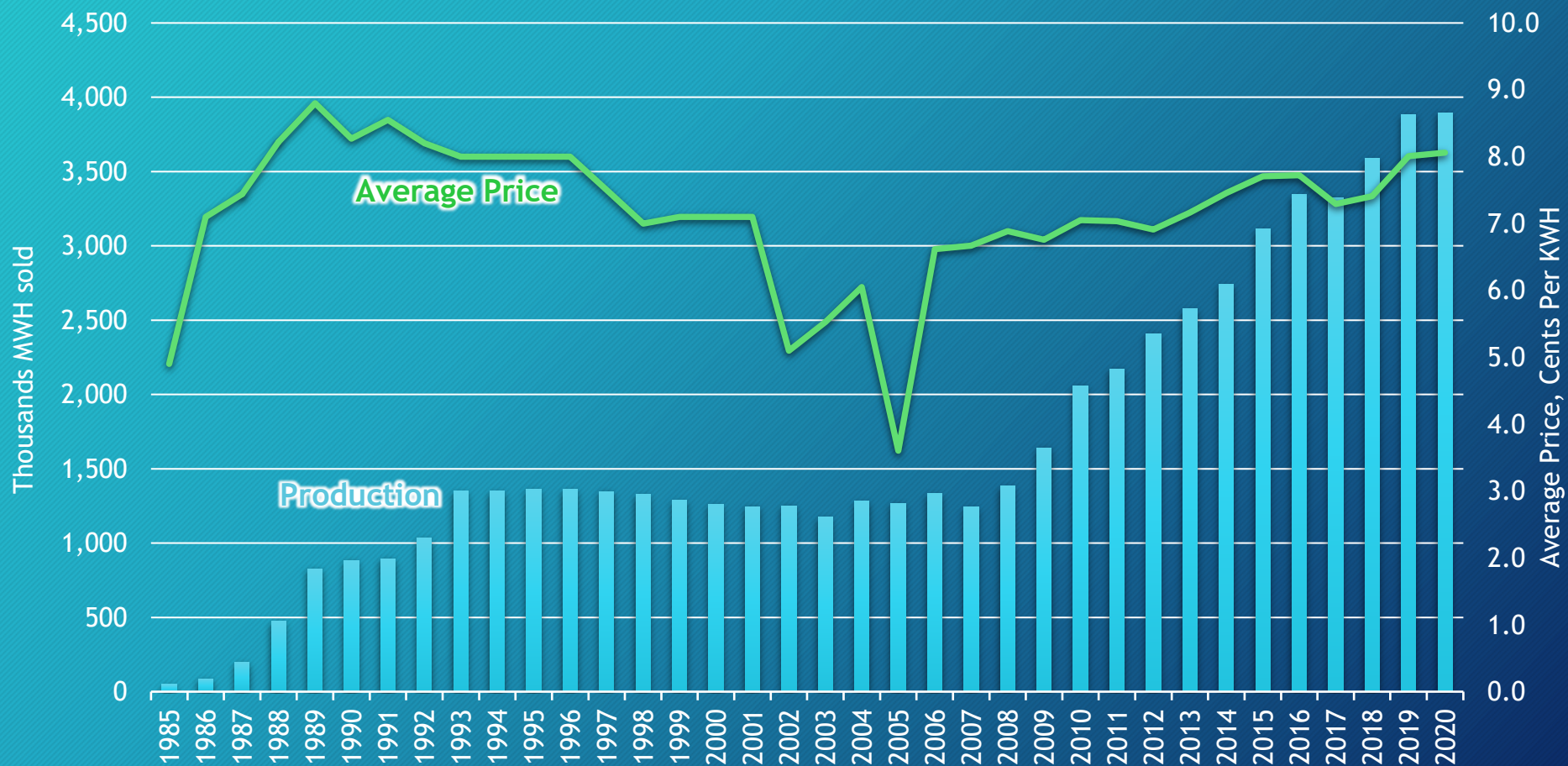
# Nevada Geothermal



## 2020 Production:

✂ 3.9 million megawatt hours sold

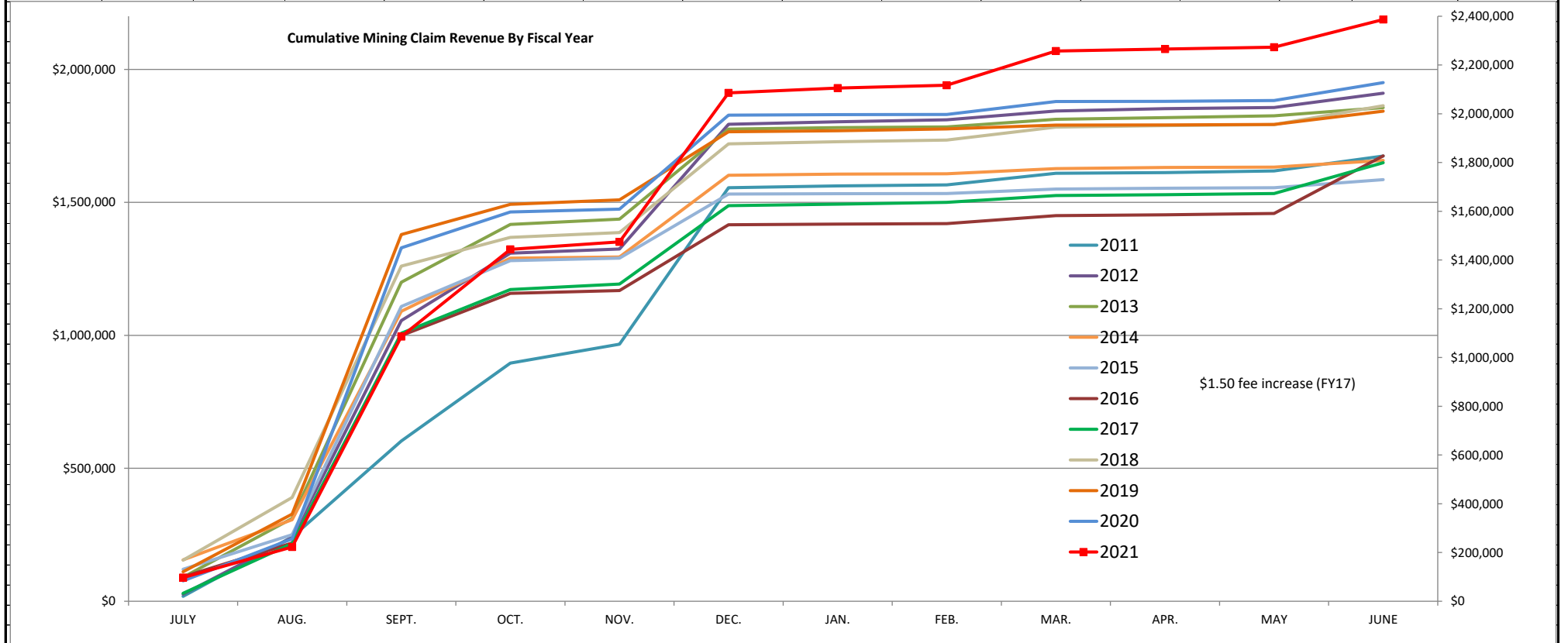
✂ +0.3% % vs. 2019



## **IV. OLD BUISNESS**

**Fiscal Year Cumulative Mining Claim Revenue By Month**

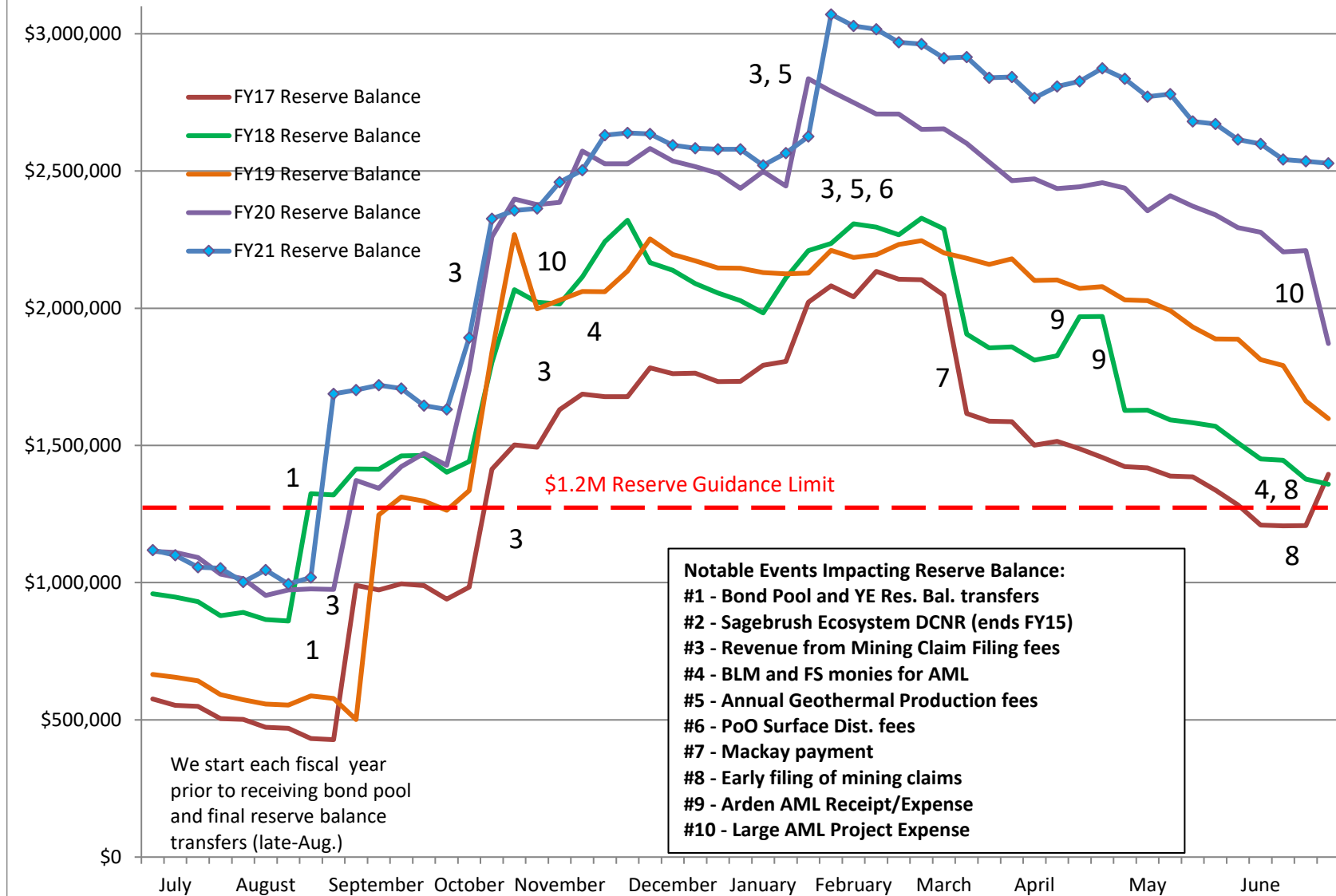
Fiscal Year	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	\$ YOY	Total Claim Filings	Claim Filings YOY
2021	\$97,190	\$222,510	\$1,085,820	\$1,443,520	\$1,474,160	\$2,085,310	\$2,105,650	\$2,116,960	\$2,257,030	\$2,265,460	\$2,273,190	\$2,386,510	12.2%	238,651	12.2%
2020	\$83,720	\$256,070	\$1,449,660	\$1,596,760	\$1,608,370	\$1,994,430	\$1,996,180	\$1,996,910	\$2,049,870	\$2,051,030	\$2,054,580	\$2,127,730	5.5%	212,773	5.8%
2019	\$121,080	\$357,900	\$1,504,660	\$1,628,710	\$1,646,750	\$1,926,020	\$1,930,460	\$1,937,910	\$1,953,500	\$1,954,140	\$1,955,820	\$2,010,510	-1.1%	201,051	-1.1%
2018	\$168,630	\$425,870	\$1,374,840	\$1,493,090	\$1,512,540	\$1,876,580	\$1,885,390	\$1,892,210	\$1,945,520	\$1,951,080	\$1,955,670	\$2,032,980	13.0%	203,298	13.0%
2017	\$32,650	\$236,939	\$1,099,584	\$1,278,775	\$1,301,335	\$1,622,635	\$1,629,225	\$1,636,885	\$1,664,685	\$1,668,165	\$1,672,765	\$1,799,065	7.4%	179,935	-8.7%
2016	\$92,072	\$219,020	\$999,082	\$1,158,219	\$1,168,827	\$1,415,769	\$1,418,574	\$1,420,520	\$1,450,134	\$1,453,118	\$1,458,388	\$1,674,866	5.6%	197,043	5.6%
2015	\$120,352	\$250,079	\$1,108,417	\$1,280,687	\$1,290,241	\$1,531,683	\$1,532,431	\$1,533,349	\$1,550,247	\$1,553,571	\$1,555,211	\$1,585,539	-4.4%	186,534	-4.4%
2014	\$155,703	\$306,646	\$1,090,754	\$1,290,496	\$1,294,661	\$1,602,233	\$1,606,177	\$1,607,656	\$1,627,283	\$1,631,235	\$1,632,417	\$1,657,789	-10.7%	195,034	-10.7%
2013	\$90,253	\$311,806	\$1,199,622	\$1,417,171	\$1,437,104	\$1,775,803	\$1,781,575	\$1,783,870	\$1,812,217	\$1,818,745	\$1,825,571	\$1,856,460	-2.8%	218,407	-2.8%
2012	\$26,248	\$239,904	\$1,055,539	\$1,309,017	\$1,324,445	\$1,793,687	\$1,802,901	\$1,810,432	\$1,843,795	\$1,852,541	\$1,857,012	\$1,910,562	14.1%	224,772	14.1%
2011	\$18,504	\$241,374	\$602,803	\$895,475	\$966,603	\$1,554,871	\$1,562,053	\$1,565,649	\$1,609,424	\$1,612,118	\$1,618,145	\$1,674,304	3.8%	196,977	3.8%
2010	\$34,315	\$252,520	\$866,626	\$1,120,355	\$1,151,704	\$1,527,997	\$1,532,639	\$1,537,911	\$1,566,170	\$1,569,088	\$1,574,207	\$1,613,142		189,781	
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															





## NDOM Reserve Balance by Week for FY17 - FY21

(as of 7/9/2021)

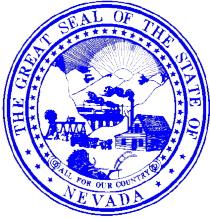


CMR-Division of Minerals - 2020-2023 Budgets and Forecasts (as of 7/14/2021)								
Revenue								
GL #	Description	FY20 Actuals	FY21 Budget	FY21 To Date	FY21 Forecast	FY22 Forecast	FY23 Forecast	Remarks
2511	Balance Forward Previous Year	1,597,307	1,198,254	1,871,712	1,871,712	2,510,078	2,228,982	
3578	BLM Cooperative Agreement	158,469	98,722	177,942	202,473	100,000	100,000	BLM grant funding AML work (Current grant expires in 2021); New grant anticipated in FY22
3580	USFS Assistance Agreement	10,772	8,397	28,039	28,039	9,279	0	USFS assistance funding AML work (Current agreement expires in 2022)
3654	Oil Production Fee	37,907	40,016	19,206	20,106	25,735	34,116	\$0.15 per bbl fee for oil production annually (\$0.05 from 12/20 - 10/21)
3717	Oil Permit Fees	3,300	6,500	2,500	2,500	2,500	2,500	Permit fees for new oil and gas wells
3718 & 3727	Mining Claim Fees	2,114,150	1,794,340	2,386,510	2,388,000	2,114,150	2,114,150	Mining Claim fees @ \$10/claim filing, assume \$2.2M for FY21 then FY20 actual for FY22/23
3736	Geothermal Fees	160,800	157,500	143,850	145,000	145,000	145,000	Annual fee and permit fees for geothermal wells and permitting
3740	Dissolved Mineral Resource Fees	0	10,000	0	0	4,000	4,000	Permit fees for DMR (lithium brine) well permits
3770	Surface Disturbance Fee (AML)	81,740	51,567	82,240	82,240	82,240	82,240	\$20 per acre fee for new mine surface disturbance, 12-year avg.
4011	Copy Machines - Sales to Public	27	606	15	15	15	15	Copying charge for Public Records Request
4027	Publication Sales (AML signs)	1,210	1,233	1,556	1,556	1,556	1,556	AML signs sold at office
4311	Medallion Royalty Fee	1,304	226	788	788	788	788	Fee for minting of medallions with State seal remitted to NDOM
4326	Treasurer's Interest	40,990	25,292	12,271	16,271	16,271	16,271	Interest we receive for money deposited with Treasurer
4620	Transfer from Recl. Bond Pool	80,793	93,327	0	63,695	63,695	63,695	Fee from Bond Pool for NDOM Management
4669	CARES Act Reimbursement		10,320	10,320	10,320	0	0	Federal funds used to offset pandemic related expenditures
	REVENUE TOTAL	\$4,288,769	\$3,496,300	\$4,736,949	\$4,832,715	\$5,075,307	\$4,793,313	
Expenditures								
CAT #	Description	FY20 Actuals	FY21 Budget	FY21 To Date	FY21 Forecast	FY22 Forecast	FY23 Forecast	Remarks
01	Personnel (Sal.,WC, PERS,OT)	1,180,536	1,282,924	1,141,371	1,171,371	1,336,101	1,372,893	FY20 11 FTEs 2 summer interns, FY21 onward 8 summer interns, includes 3 weeks in Dec/Jan for interns, FY21 furloughs, FY21 1 retirement payout; FY22/23 is as in Leg-Approved Budget plus \$40k (OT) plus \$30k retirement payout ('23)
02	Out-of-State Travel (Staff, CMR)	18,097	16,438	0	0	23,365	21,228	Includes PDAC (3), AEMA (3), NAAMLPL (2), no travel in FY21, FY22/23 as in budget
03	In-State Travel (Non-AML)	7,777	12,325	2,084	2,708	12,049	12,900	Travel, lodging and per-diem within State, as in budget
04	Carson Operating Expenses+Equipment	117,537	113,033	94,214	96,700	112,893	113,134	Rent, Operating supplies, as in budget
05	Equipment	4,875	0	0	0	1,297	1,706	Desks, chairs, as in budget
08	CMR Travel (In-State)	3,356	6,409	422	422	7,128	7,128	As in Budget
09	Special Projects (Mackay, NBMG)	154,226	239,217	209,930	215,000	182,000	144,200	FY21 - \$110k (NBMG), \$4.5k PDAC, \$15k (NVMA Ed), \$2.7k display updates, \$40k AML SOSA video, \$43.5k LVNHM; FY22/FY23 \$97.2k (NBMG), \$27k (PDAC), \$5k (AME), \$15k (NvMA Ed), \$37.8k ('22 only NBMG-RRV)
14	Las Vegas Operating Expenses	43,032	35,687	32,472	32,700	36,708	37,570	Office relocation in FY20, FY22/23 as in budget
17	Fluid Minerals	8,352	10,319	7,567	7,700	11,981	11,983	Field expenses for OGG and DMRE, as submitted in State Budget
18	AML Support (per diem, trucks, fuel, AML supplies and travel, SOSA supplies)	140,935	145,900	140,844	144,000	195,179	197,017	Per diem for 2 summer interns in calendar 2020, 6 winters 3 weeks (F21); 8 summer interns FY21/22/23 ; vehicle repair costs; additional Fleet Services lease on truck and 8 new Mesa tablets in 2021, UTV/trailer in FY21; FY22/23 as in State Budget, includes one new truck each year
25	CARES Act Expenditures		10,320	10,320	10,320	0	0	
26	Computer and IT	14,380	49,599	40,791	46,500	29,839	30,429	Computer hardware/replacements; EITS services and support
30	Training	4,151	4,840	3,531	3,531	7,092	7,092	ESRI and other training
39	AML Enhancements(contracts, equip.)	740,135	800,000	401,359	495,600	800,000	800,000	Contracted AML closure and related work. Work not completed in '21 pushed into '22
87 & 88 & 89	Cost Allocations (State, Purchasing, AG)	41,536	96,085	96,085	96,085	90,693	71,998	Purchasing assessment, AG cost allocation, State cost allocation
	EXPENDITURE TOTAL	\$2,478,925	\$2,823,096	\$2,180,990	\$2,322,637	\$2,846,325	\$2,829,278	
86	Reserve - Balance Forward to Next Year	\$1,809,844	\$673,204		\$2,510,078	\$2,228,982	\$1,964,035	
		\$609,844			\$1,310,078	\$1,028,982	\$764,035	Reserve Amount in excess of \$1,200,000 guidance
					2021 Major variances			
					\$188,000	additional claim fees		
					\$103,000	personnel savings (furloughs, 1 less intern, OT)		
					\$304,400	unspent contracted AML		
					\$595,400	Total		

# COMMISSION BUSINESS



# STAFF REPORTS



STATE OF NEVADA  
COMMISSION ON MINERAL RESOURCES  
**DIVISION OF MINERALS**  
400 W. King Street, Suite 106  
Carson City, Nevada 89703  
(775) 684-7040 • Fax (775) 684-7052  
<http://minerals.nv.gov/>



**STEVE SISOLAK**  
Governor

**Las Vegas Office:** 375 E. Warm Springs Rd. #205, Las Vegas, NV 89119  
Phone: (702) 486-4343; Fax: (702) 486-4345

**MICHAEL VISHER**  
Administrator

**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 3<sup>rd</sup>.
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:

Reclamation Bond Pool Status Report		Current to:	5/1/2021					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.83%		\$7,328.32	\$18,418.65	175.8%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.77%	bond reduced from \$244,482 4/21	\$33,715.62	\$171,042.39	307.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	24.34%		\$233,171.91	\$288,885.16	121.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.60%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.69%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Manhattan Mill	5/24/2000	\$0.00	0.00%	terminated (removed \$114,288 on 12/28/2021)	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.42%		\$39,615.03	\$49,757.25	114.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	24.86%		\$238,536.99	\$205,096.41	101.0%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$591,596.00</b>	<b>33.49%</b>	<b>53 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$1,766,726.39</b>					
<b>Cash in Pool's Account (From BSR - 4/30/2021)</b>			<b>\$2,963,792.30</b>					
<b>Unfunded Amount</b>			<b>-\$1,197,065.91</b>					
<b>Percent funded</b>			<b>167.8%</b>					

### **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.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	23,677	19,243	81%
2021 To Date	50	148	337%

### **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 NAAML 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 & Tuscarora 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, NAAMLPL 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 NAAMLPL 2021 conference.
6. Participated in an NDEP contract evaluation meeting as an outside agency evaluator.
7. Participated in a NAAMLPL 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 NAAMLPL 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.

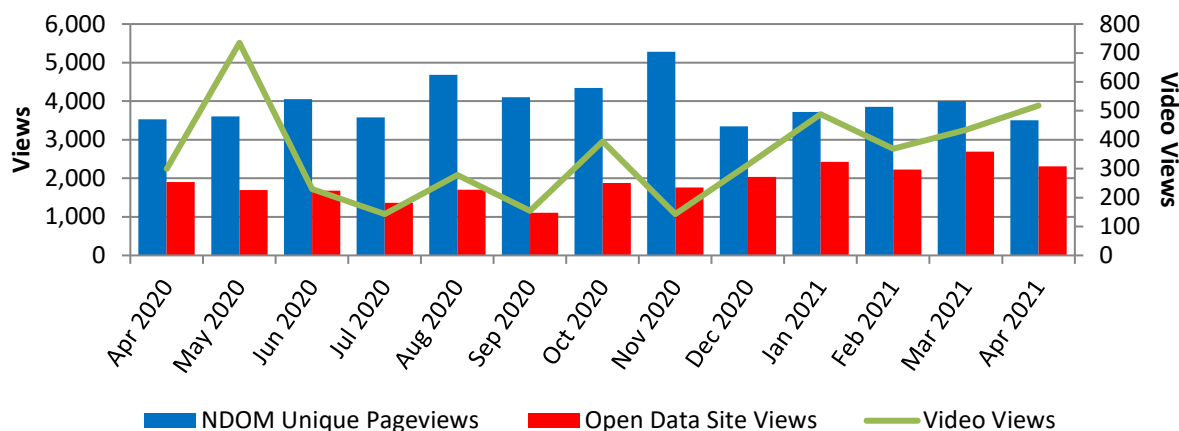
**Fluid Minerals Program Manager:** There were no new oil or geothermal permits issued in April, there were two oil and three geothermal sundry notices processed. Inspections were conducted at 39 geothermal wells located in the McGinness Hills and Tungsten Mountain fields. NBMG has identified numerous 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:

FY 2021 Well Inspections	Total Wells	Wells Needed for FY21 (33%)	Wells Inspected	% Inspected	Wells Remaining
Geothermal (19 Locations)	455		259	56.9%	
Oil (22 Locations)	121		120	99.1%	
Totals	576	192	379	65.8%	-187

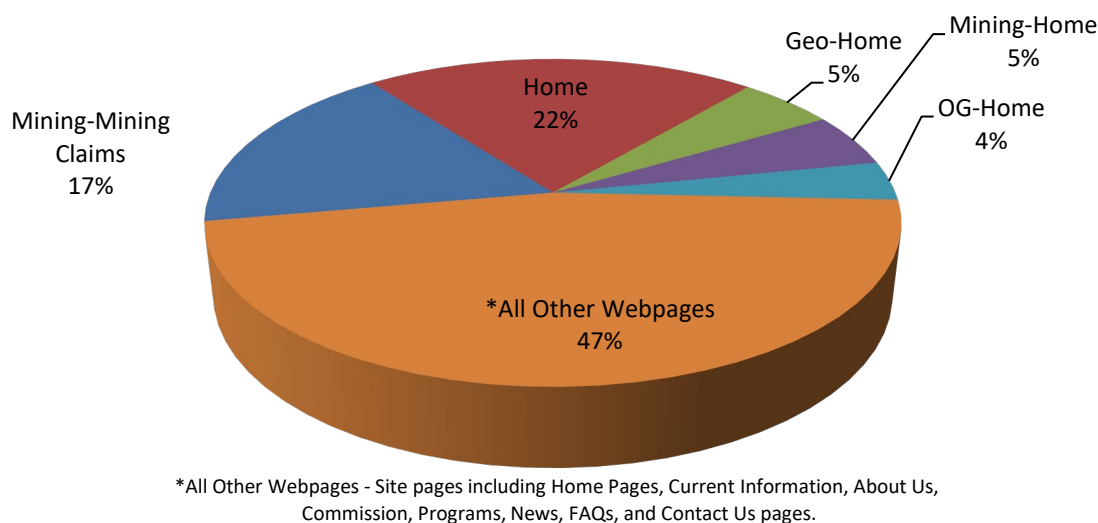
## Website Activity

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

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

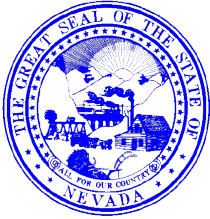


**NDOM Website - Top 5 Unique Page Views for April 2021**



## Top Visitors

Apr-2021	Country	United States, Canada, China, (unknown), Germany, and South Korea.
	State	Nevada, California, Texas, (unknown), and Kansas.
	City	Reno, Las Vegas, (unknown), Carson City, and Los Angeles.
<b>Video Views in April 2021</b>		<b>Top 5 Video Views</b>
<b>518</b>		Mining in Nevada 18:22 mins., Building a Web Mapping Platform, SOSA 2021 Full, Nevada Mineral Explorer Web Application Demo, & Weathering & Erosion Part 1.



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**MICHAEL VISHER**  
Administrator

## 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 vandalize hazard in the town of Tonopah where someone set the shaft on fire. Worked with the Town of Tonopah and local Sheriff 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.

Randy Griffin; *Small-Scale Mining and Prospecting*  
Mary Korpi; *Public at Large*  
Arthur Henderson; *Oil and Gas*

**Commission on Mineral Resources**  
Richard DeLong; *Chairman; Large-Scale Mining*

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



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:

Reclamation Bond Pool Status Report			Current to:	6/1/2021				
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.83%		\$7,328.32	\$18,418.65	175.8%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.79%	bond reduced from \$244,482 4/21	\$33,715.62	\$171,042.39	307.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	24.44%		\$233,171.91	\$288,885.16	121.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.61%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.71%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Manhattan Mill	5/24/2000	\$0.00	0.00%	terminated (removed \$114,288 on 12/28/2021)	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.44%		\$39,615.03	\$49,757.25	114.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	24.96%		\$238,536.99	\$205,096.41	101.0%
Statewide Notice-Level	Various	various	\$584,588.00	33.22%	53 Notice-level bonds			
Total Bond Amount			\$1,759,718.39					
Cash in Pool's Account (From BSR - 5/28/2021)			\$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.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	23,687	19,258	81%
2021 To Date	60	163	272%

### 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 NAAML 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 NAAMLPP 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.
6. Began preparing for northern Nevada Teacher Workshop.
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:**

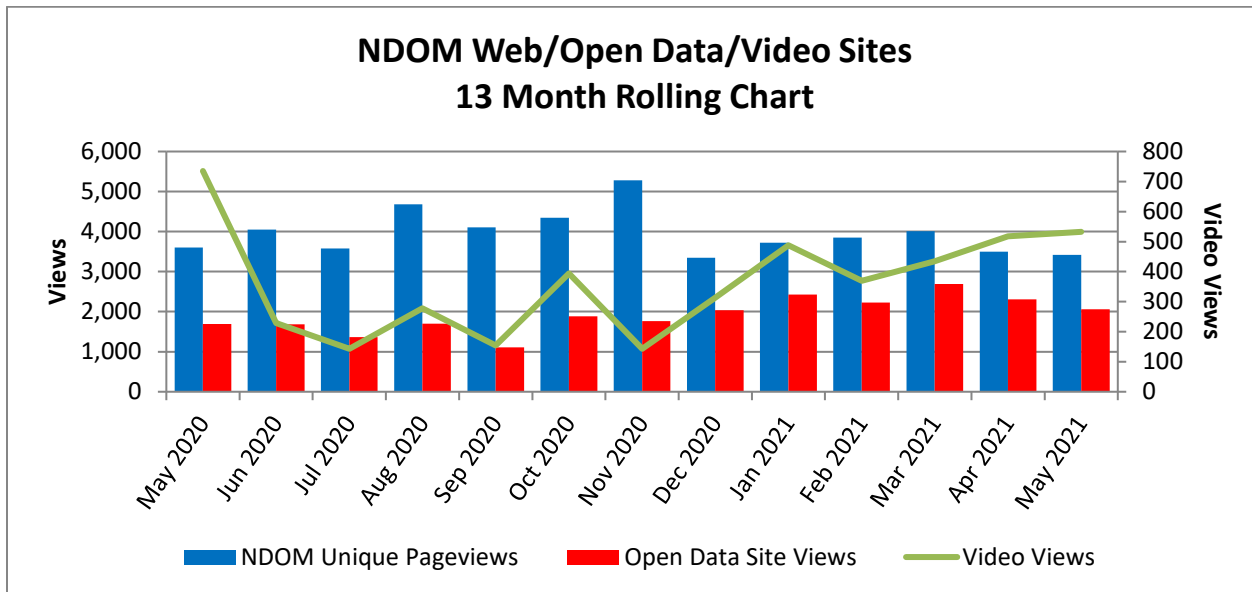
1. No geothermal or oil permits were issued in May.
2. Fifteen geothermal and three oil permits have not been drilled. NGP Blue Mountain 1 has two permits discussed above, they have decided to do a straight hole for observation well after having drilling difficulties with their directional well, including 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.

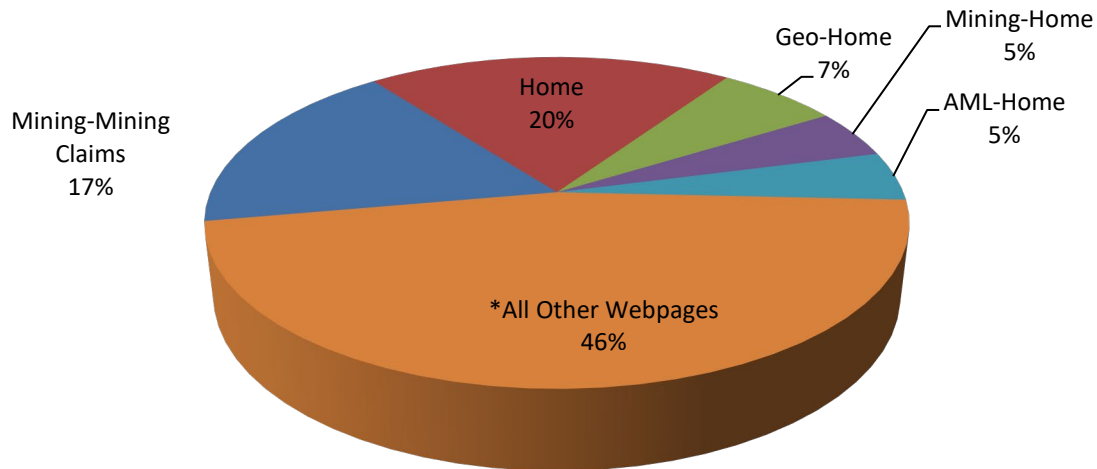
FY 2020 Well Inspections	Total Wells	Wells Needed for FY20	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (8 Locations)	455		259	56.9%	
Oil (0 Locations)	121		120	99.1%	
Totals	576	192	379	65.8%	-187

**Website Activity**

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



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



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

#### Top Visitors

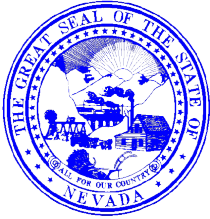
May 2021	Country	United States, Canada, China, South Korea, and Spain/India/Philippines.
	State	Nevada, California, Texas, Virginia, and Idaho.
	City	Reno, Las Vegas, (unknown), Carson City, and Los Angeles.

#### Video Views in May 2021

#### Top 5 Video Views

532	Mining in Nevada 18:22 mins., Weathering & Erosion Part 1, Building a Web Mapping Platform, & Nevada Mineral Explorer Web Application Demo.
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**MICHAEL VISHER**  
Administrator

## 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.
4. Attended and taught at the June 2021 Earth Science Teachers Workshop in Carson City.
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:

Reclamation Bond Pool Status Report		Current to:	7/1/2021					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.83%		\$7,328.32	\$18,491.87	176.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.77%	bond reduced from \$244,482 4/21	\$33,715.62	\$171,375.76	307.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	24.30%		\$233,171.91	\$291,035.60	121.9%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.59%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.68%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.42%		\$39,615.03	\$50,148.06	114.8%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	24.82%		\$238,536.99	\$205,096.41	101.0%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$594,574.00</b>	<b>33.60%</b>	<b>53 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$1,769,704.39</b>					
<b>Cash in Pool's Account (From BSR - 6/30/2021)</b>			<b>\$2,979,460.42</b>					
<b>Unfunded Amount</b>			<b>-\$1,209,756.03</b>					
<b>Percent funded</b>			<b>168.4%</b>					

### Chief, Abandoned Mine Lands Program

1. 2021 AML Intern Program continued into its 7<sup>th</sup> 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:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	23,763	19,355	81%
2021 To Date	136	260	191%

### 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.
4. Presented at the Great Basin Outdoor School.
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 NAAML 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 NAAMLPL conference Call for Papers correspondence and tracking and updating of the conference website.
8. Prepared and delivered information, flyers, and other data to the MINExpo conference staff for use in an electronic directory of the conference (Sept. 2021).
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 NAAMLPL 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.
4. Prepared materials and presentations for Mineral Education Workshop in northern Nevada.
5. Taught four courses at the Mineral Education Workshop in northern Nevada and attended field trip to EP Minerals and Stewart Indian School.
6. Worked on AML land research in preparation of owner notifications.

#### **Fluid Minerals Program Manager:**

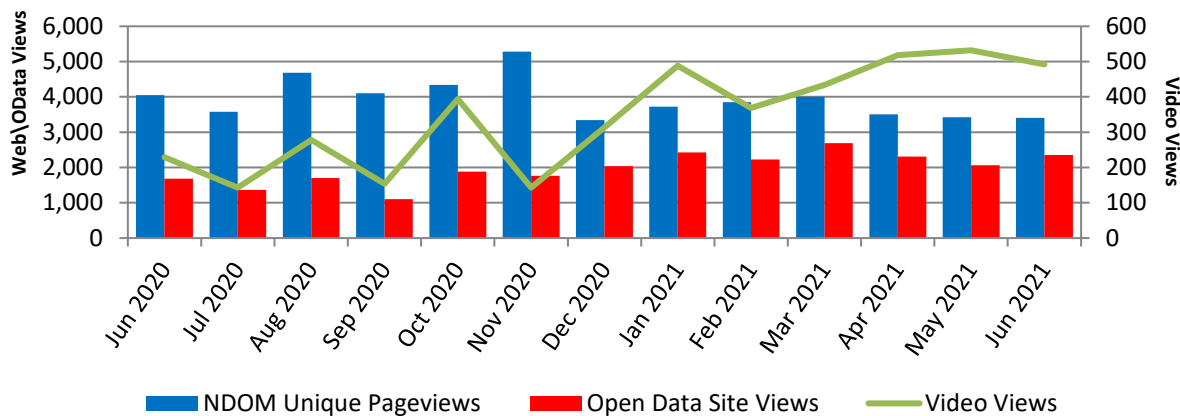
1. No geothermal or oil permits were issued in June.
2. Fifteen geothermal and three oil permits issued have not yet been drilled. NGP Blue Mountain 1 has two permits. Ormat has nine geothermal permits, five at Wild Rose, three at Crescent Valley, and one at Dixie Meadows. Open Mountain Energy has four 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:

FY 2021 Well Inspections	Total Wells	Wells Needed for FY21	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (8 Locations)	455		259	56.9%	
Oil (0 Locations)	121		120	99.1%	
Totals	576	192	379	65.8%	-187

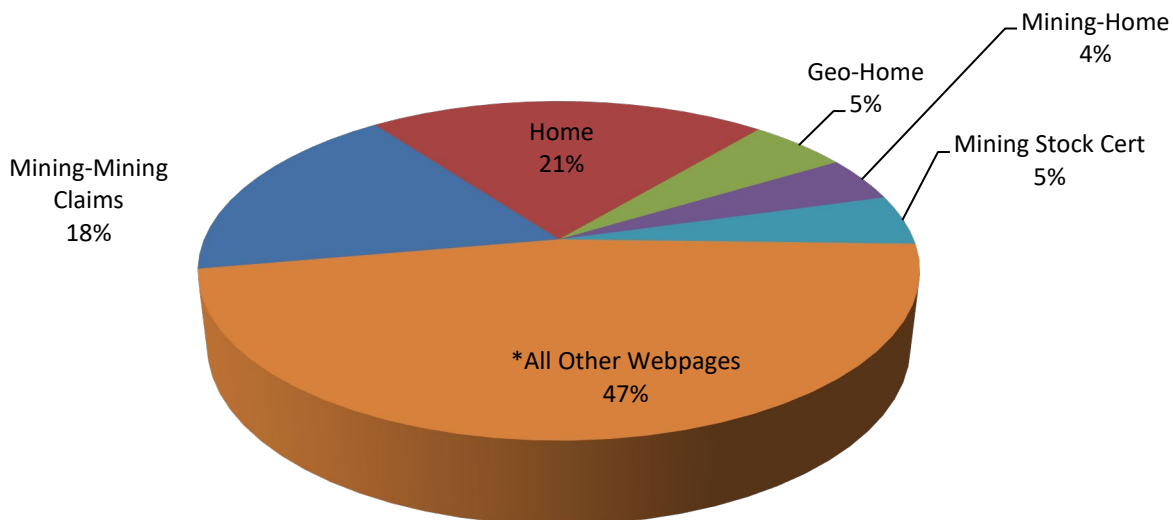
### Website Activity

Period	NDOM Website Pageviews	NDOM Website Unique Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Jun 2021	4,566	3,402	Mining Claims, Home, Geo-Home, Mining-Home, and Mining Stock Cert	2,357	492
Jun 2020-Jun 2021	70,958	51,289		25,609	4,487

### 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.



<b><u>Top Visitors</u></b>		
Jun-2021	Country	United States, Canada, China, (unknown), and Germany/India.
	State	Nevada, California, Texas, Washington, and Virginia.
	City	Reno, Las Vegas, (unknown), Carson City, and Sacramento.

<b><u>Video Views in June 2021</u></b>	<b><u>Top 5 Video Views</u></b>
492	Mining in Nevada 18:22 mins., Building a Web Mapping Platform, SOSA 2021 Full, Weathering & Erosion Part 1, & Igneous Rocks.