

# I. AGENDA



JOE LOMBARDO  
Governor

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/>



ROBERT GHILGIERI  
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**  
Nevada Division of Minerals

Meeting Location:  
Grant Sawyer Building  
555 E Washington Ave  
Las Vegas, NV 89101

Join us from a PC, Mac, iPad, iPhone, or Android Device: Please click this URL to join,  
<https://us02web.zoom.us/j/9712825638?pwd=YkZPbHJldUQ0cUo3bldzb2k3aS9UUT09>

Meeting ID: 971 282 5638  
Passcode: NDOM

Thursday February 15, 2024  
10:00 A.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 the relevant Nevada Revised Statutes (“N.R.S.”) and Nevada Administrative Code (“N.A.C.”) requirements.

**ROLL CALL**

**PLEDGE OF ALLEGIANCE**

**COMMENTS BY THE GENERAL PUBLIC**

Pursuant to N.R.S. Chapter 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 November 8, 2023, meeting minutes

**FOR POSSIBLE ACTION**

**III. ADOPTION HEARING REGARDING PROPOSED AMENDMENT  
LCB File Number R134-23**

**FOR POSSIBLE ACTION**

A. The Commission on Mineral Resources identified two sections of NAC 534B for updates while performing Executive Order 003.

**IV. NEW BUSINESS**

- A. Introduction of the new NDOM Staff **FOR DISCUSSION ONLY**  
- Rob Ghiglieri
- B. Introduction of the new Nevada Mining Association President **FOR DISCUSSION ONLY**  
- Rob Ghiglieri
- C. Joint Interim Standing Committee on Natural Resources and its Subcommittee on Public Lands, review of Commission **FOR POSSIBLE ACTION**  
A discussion on the request for the review of the Commission. Options on how to best prepare for the review will be presented for the Commission to review and provide guidance.  
- Rob Ghiglieri
- D. Proposal to join the Interstate Mining Compact Commission **FOR POSSIBLE ACTION**  
A background will be provided on IMCC and the anticipated benefits, requirements, and process to become a full IMCC member will be discussed.  
- Rob Ghiglieri
- E. AML Sample Collection Program **FOR POSSIBLE ACTION**  
An update will be provided on the AML Program year-to-date, including work performed by summer interns, staff, and contractors and near-term plans.  
- Rick Kauffman

**V. OLD BUSINESS**

- A. NDOM Budget Update **FOR DISCUSSION ONLY**  
An update on the NDOM budget will be provided. - Garrett Wake
- B. NBMG Ongoing Contracts Update **FOR DISCUSSION ONLY**  
An update will be given on CMR approved NMBG contracts and projects. - Jim Faulds
- C. NV State Museum and Children Museum Updates **FOR DISCUSSION ONLY**  
A brief update on both projects and areas of collaboration - Becky Hall
- D. Request to update AML SOSA Content and other Education Materials **FOR POSSIBLE ACTION**  
A proposal to fund content updates. - Keith Hayes
- E. Review of Ongoing Federal Legislation Proposals **FOR DISCUSSION ONLY**  
An update on the ongoing federal legislation will be provided. - Lucia Patterson
- F. Administrator Report **FOR DISCUSSION ONLY**  
A brief review of other relevant ongoing topics within the Division of Minerals  
- Rob Ghiglieri
- G. Set Commission Meeting Dates **FOR POSSIBLE ACTION**  
Set meeting dates for remainder of calendar year 2024  
- Rob Ghiglieri

**VI. COMMISSION BUSINESS**

- A. Correspondence to the Commission. **FOR DISCUSSION ONLY**

- B. Review of staff monthly activity reports.
- C. Future Agenda Items.

**FOR DISCUSSION ONLY**  
**FOR DISCUSSION ONLY**

**COMMENTS BY THE GENERAL PUBLIC**

Pursuant to N.R.S. Chapter 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 Rebecca Tims at (775) 684-7043 or by email at [rtims@minerals.nv.gov](mailto:rtims@minerals.nv.gov).

## II. Minutes



**JOE LOMBARDO**  
Governor

STATE OF NEVADA  
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**MICHAEL VISHER**  
Administrator

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

Wednesday November 8, 2023

1:00 P.M.

**MINUTES**

Commissioners	Staff	Public
Mary Korpi	Garrett Wake	Christy Bauer
Art Henderson	Rob Ghiglieri	Justin Luna
Bob Felder	Rebecca Tims	Becky Hall- Children’s Museum of N. Nevada
Nigel Bain	Nicole Ting, DAG	Simon Jowitt- NBMG
Josh Nordquist	Dustin Holcomb	
Randy Griffin	Peter Engh	
	Sean Derby	

**CALL TO ORDER**

1:00 PM

**ROLL CALL**

All Commissioners were present except Stephanie Hallinan, Quorum noted.

**PLEDGE OF ALLEGIANCE**

**COMMENTS BY THE GENERAL PUBLIC**

There were no public comments.

**I. AGENDA**

**A. Approval of the Agenda**

**Motion to approve the agenda made by: Mary Korpi**

**Seconded by: Randy Griffin**

**Unanimously approved.**

**II. Minutes**

**A. Approval of the August 10, 2023, meeting minutes**

**Motion To Approve: Bob Felder**

**Seconded By: Randy Griffin**

**Unanimously approved.**

III. **New Business**

A. **Introduction of the new CREG Director**

Simon Jowitt from the Nevada Bureau of Mines and Geology gave a slideshow presentation on his new role and responsibilities as the new CREG director at the Nevada Bureau of Mines and Geology.

**Nigel Bain:** On the Lithium world-wide supply, does Nevada have the potential to overshoot the market?

**Simon Jowitt:** When Thacker Pass and Rhyolite ridge come on stream, the production will make them two of the larger lithium producers globally. There are other lithium projects underway too. There is potential for short term oversupply. I think discussing that in the lithium report is a key thing to inform the lithium sector in the State. There's a lot of uncertainty in lithium. We need to ensure that we can really inform the minerals industry.

**Nigel Bain:** It's not just individual minerals as a whole suite of minerals that I think should be in there.

**Randy Griffin:** I noticed you were making a visit to UT Austin in February, what are you going to be discussing with them?

**Simon Jowitt:** They asked me to come over and talk about critical metals. They're currently one of the many universities in the US that are currently looking for economic geologists with expertise and critical metals. I think that's some kind of part of my job is that kind of outreach. Not only to just put UNR and CREG on the map, but also to inform the general public and inform the universities of the research into critical metals and the mining industry is important, and the more people that get that message the better of them.

B. **Request by Carson City Children's Museum**

Becky Hall from the Children's Museum of Northern Nevada presented a presentation for a request for funding for a new augmented reality sandbox for the Children's Museum.

**Josh Nordquist:** Becky, do you have an anticipated schedule?

**Becky Hall:** Right now, we're finishing up the geology lab, hopefully by next month. Our plan is to be done with these exhibits by June of next year so we can have our anniversary, and so we can kind of present these new exhibits to the community. So, our overall timeline for this kind of fast paced. Upgrades to the Museum would be in the next, like 7 to 8 months.

**Arthur Henderson:** Becky, who are you working with? Garrett or Rob?

**Garrett Wake:** I just want to clarify a few things from when we talked, the funding you mentioned to being contingent upon getting another part. The thought was, if the Commission were to approve this, the funding would only be spent if a commitment was made from another mining partner. That contingency was a part of this.

**Arthur Henderson:** So, you're the one working with Becky?

**Garrett Wake:** Yes.

**Arthur Henderson:** Why are we being so conservative? Why don't we just give her the \$10,000?

**Garrett Wake:** I think the initial thought was just in the short timeframe, we thought \$5,000 would be a good sell to the Commission, but we can increase that.

**Arthur Henderson:** Rob, what is your opinion on that?

**Robert Ghiglieri:** There's enough money in our budget to cover that cost.

**Arthur Henderson:** If you read here, this museum has been in business for 30 years and has about 25,000 people coming per year. It is in line with our principles and education. She can still go out and ask for industry to support certain things, but if \$10,000 will allow her to reach her goal by the 30<sup>th</sup> anniversary, I think we should give the \$10,000.

**Mary Korpi:** I would agree with Arthur that a larger amount is going to expedite raising whatever else we need to raise, and it can also get this process going quickly and as soon as that geology portion is done, the money should be raised to move right into this project.

**Josh Nordquist:** Becky, you say this is a \$15,000 project in the letter?

**Becky Hall:** That's what an exhibit firm said. But I was saying if you don't go with an exhibit firm, and you can outsource the different pieces to the exhibit, you can do it at a much less expensive package.

**Arthur Henderson:** Josh, to completely answer her request, \$15,000 would be correct. But I was listening to \$10,000, either way, any of the three is fine with me. I would approve any of those three amounts.

**Josh Nordquist:** That was the clarification I needed. The \$10,000 was if they sort of do it on their own and the \$15,000 is if it's full sourced.

**Nigel Bain:** Do you cooperate with the Nevada State Museum when there is a kid's tour, do they go to both places? Or are you an island on your own?

**Becky Hall:** I happen to know the director very closely and we work across the street and collaborate very often. We often do mutual field trips where in the morning they go to the State Museum and have lunch, and then walk straight across the street to the children's Museum. Much of our special programming is done collaboratively.

**Josh Nordquist:** Let's understand what we would like to have for reporting on the schedule and progress. We typically like to see feedback on progress. What would be your proposal to report back?

**Becky Hall:** Since this is fast paced and I am still reaching out and want that collaboration from industry, how about if I can update you before the end of the year, in December?

**Robert Ghiglieri:** Our next meeting is in February.

**Mary Korpi:** Should we make the motion contingent on raising the total amount needed, just for clarification?

**Nigel Bain:** We can. We got asked by the Nevada State Museum for money too. I can't remember how much exactly it was and when they were going to come back and talk. I don't know if anyone can remember, Rob?

**Robert Ghiglieri:** That contract is \$80,000. Garrett is currently working on that contract to get it moved forward. So, the timeline is probably the end of this fiscal.

**Garrett Wake:** That that project was a little different because that's a service-based contract. We had to send that out again to bid. The funding of \$5,000 or more here is for goods that can be sourced from a contracted vendor.

**Nigel Bain:** It seems like there is a potential for the two museums to collaborate a lot and really gain right into our mandate of promoting the mineral industry within Nevada.

**Becky Hall:** We do collaborate, and one of the benefits of providing the State Museum with their new plate tectonics is that we are going to be receiving their old exhibit and repurposing it into our geology exhibit.

**Arthur Henderson:** So, Rob, if you look at your performance measures for education kindergarten through twelfth grade. You need 24 educated children per employee. You're getting 25,000 by helping this.

**Robert Ghiglieri:** It's 24 presentations per FTE, this will definitely help in education and outreach.

**Arthur Henderson:** I'd rather just give her \$15,000.

**Josh Nordquist:** Does the \$15,000 project include software? How much is the software?

**Becky Hall:** I don't have an exact amount.

**Arthur Henderson:** Help us understand what funding we really need to provide.

**Garrett Wake:** If the Commission were able to provide it to \$15,000, that would give them more flexibility, and we have the funding for that.

**Nigel Bain:** I will change my motion to include the full amount of \$15,000, with the provider that we hear back in February how it's going.

**Motion to approve \$15,000 Funding to the Children's Museum of Northern Nevada**

**Made By: Bob Felder**

**Seconded by: Mary Korpi**

**Unanimously Approved**

**C. Update on Division of Minerals Staff Position Changes**

Administrator Ghiglieri went over staff position changes for the Division of Minerals.

**Mary Korpi:** In today's world, where it's hard to find people and hiring, kudos to you for moving quickly and getting qualified people in. It says a lot for NDOM's reputation and all of you that help to get these people hired. So, I say, kudos.

**D. 2023 AML Program Update**

Peter Eng presented a slideshow on recent updates to the AML Program.

**E. 2023 Fluid Minerals Program Update**

Dustin Holcomb presented a slideshow presentation on updates to the Fluid Minerals Program.

**Randy Griffin:** What kind of inspections? What do you look for when you go out to geothermal and oil places?

**Dustin Holcomb:** By regulations we're inspecting the well head, conditions of the surface casing, and conductor casing and signage. We make sure there's no leaks along pipelines that are visible. Ensuring that they're properly signed and properly maintained and that the well pads are accessible and that the roads out to the wells are accessible, both in oil and geothermal solution.

**Randy Griffin:** What if they don't do anything about it?

**Dustin Holcomb:** We will write a letter to them. If an operator refuses to improve the conditions of their well head or well pad or fix a leak, we would be able to withhold approvals of their permits within their field.

**Robert Ghiglieri:** Let's say there is an oil leak and they do not get it cleaned up, then we would be able to bring in the Division of Environmental Protection and their spill team, and they would be able to assess fines and clean ups on that as well.

**Dustin Holcomb:** The same would apply to geothermal, we have just never really had a situation like that.

**Josh Nordquist:** I can confirm that, having received some of these notifications before they're taken seriously and fixed immediately. The main impact is the potential for not getting further permits down the road for work. It's taken very seriously.

**F. NDOM Strategic Plan**

Administrator Ghiglieri provided the commission with the NDOM Strategic Plan.

**Robert Ghiglieri:** My goal was to get it to you earlier, so you had more time to review it. There isn't anything relatively new that was not already included in that fiscal 24/25 budget. I believe every objective in this strategic plan can be met within the next 5 years.

**Josh Nordquist:** Let's say we want to go back and make changes to this next year, what is the process? What is the state process behind it? Is there something that we can update along the way?

**Robert Ghiglieri:** From my understanding, this could be updated on an as needed basis. This is for our agency and the internal guidelines for our strategic plan. It is going to be reviewed by the Governor's office. I think it is important to highlight what the agency is doing and why we are doing the work we are doing.

**Josh Nordquist:** There is a deadline, on the 15<sup>th</sup> it was submitted to the Governor's office.

**Robert Ghiglieri:** I was told mid-November. So, I think it's a soft deadline. I wanted to have something that we could provide the Governor's office here in the near future.

**Arthur Henderson:** I would like to not show vacant positions. I would wait so you can show that you have a full staff.

**Josh Nordquist:** Time is a little bit limited but maybe something that we can spend some homework time on, or any other adjustments down the road.

**Robert Ghiglieri:** I believe we have some time to make modifications, please have your comments back to me by Friday next week. That way I'll be able to get it to the Governor's office in November.

**Josh Nordquist:** Any other commissioner's thoughts?

**Arthur Henderson:** These goals and objectives have been the same for years. So, for me, I think it's fine and I think you should just present it to the Governor's office.

**Robert Ghiglieri:** Is there something new the Commission would like to see the Division pursue?

**Josh Nordquist:** With no immediate feedback, I think it's worth a motion to approve at this time.

**Motion to approve NDOM Strategic plan:**

**Made by: Bob Felder**

**Seconded By: Randy Griffin**

**Unanimously Approved**

**IV. Old Business**

**A. Request to Amend Existing Contract with Territory6**

Sean Derby presented a request to amend the existing contract with Territory6.

**Arthur Henderson:** Bob, would you be opposed to having our content on TikTok?

**Bob Felder:** It is a little bit of a moral question in my mind, Garrett seems to agree.

**Josh Nordquist:** We should check to make sure there's not some issue with the using it on any Nevada Government devices.

**Robert Ghiglieri:** I'll look into the possibility if it is possible for us as a state agency.

**Josh Nordquist:** Someone's going to have to manage it. Someone's going to have to use it at work. A quick Google search indicated that in March this year the department administration provided a list of prohibited platforms on Nevada State owned devices.

**Arthur Henderson:** What else was on there? YouTube? The reason I brought it up is that it's free. \$50,000 for a 45-day campaign.

**Sean Derby:** There are methods for pushing content through Tik Tok in very similar ways to how we did it with YouTube. I can do research.

**Arthur Henderson:** If it's a moral issue, like Bob said we can scratch that and not do it at all but like I said the only reason I brought it up is that it's free.

**Robert Ghiglieri:** Recently the office of surface mining reclamation enforcement checked the videos and helped post it on their website, too. They do all the coal permitting and AML programs in the nation. I thought that was neat to be able to have that. The contract is still a valid contract. We would just amend

the contract and add additional time and money to it. The \$50,000 for the reboot is the digital buys for the existing content.

**Josh Nordquist**: Do we have any of the metrics?

**Sean Derby**: No. It was marginal, the views on YouTube, I think 7,000 more over the year. I will need to check on that.

**Arthur Henderson**: Jimmy King and the billboards, I think, are good. This AML outreach content update, it seems like a lot of money for something.

**Motion to approve request for Territory6 Contract to renew the Jimmy King reboot at \$50,000.00, the billboards approved at \$26,000. Other items will be reviewed at the next commission meeting.**

**Made By: Arthur Henderson**

**Seconded By: Nigel Bain**

**Unanimously Approved**

**B. Administrator Report**

Administrator Ghiglieri presented a report of ongoing items happening at the agency.

**Arthur Henderson**: A reserve is okay, but why is it not in the report this time? Because of a change of staff?

**Robert Ghiglieri**: No, generally this time it is all forecasted to the February timeframe that is when majority of the counties pay their fees so that is something that I'll make sure is in every meeting moving forward.

**Arthur Henderson**: I would like to see a budget forecast in future meetings. It is nice to have when approving items such as the Childrens Museum and contract updates.

**Robert Ghiglieri**: Will do.

**V. Commission Business**

**A. Correspondence to the Commission**

**B. Review of Staff Monthly Activity Reports**

**C. Set Date for the next Commission Meeting**

**COMMENTS BY THE GENERAL PUBLIC**

**ADJOURNMENT**

**3:16 P.M.**

### **III. ADOPTION HEARING REGARDING PROPOSED AMEDMENT**



JOE LOMBARDO  
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ROBERT GHIGLIERI  
Administrator

## NOTICE OF INTENT TO ACT UPON A REGULATION

### Notice of Hearing for the Amendment of Regulations Under

### The Commission on Mineral Resources, LCB File No. R134-23

The Commission on Mineral Resources will hold a public hearing at **10:00 am on February 15, 2024**, at the Grant Sawyer Building in the Grant Sawyer room located at 555 E Washington Ave, Las Vegas, NV 89101.

Join virtually:

<https://us02web.zoom.us/j/9712825638?pwd=YkZPbHJldUQ0cUo3bldzb2k3aS9UUT09&omn=81615436617>

Meeting ID: 971 282 5638 Passcode: NDOM

The purpose of the hearing is to receive comments from all interested persons regarding the amendment of regulations that pertains to chapter 534B of the Nevada Administrative Code.

The following information is provided pursuant to the requirements of NRS 233B.0603:

**1. The need for and the purpose of the proposed regulation or amendment.**

The proposed amendment for this regulation provides clarity within NAC 534B.100 and removed unnecessary requirements under 534B.125.

A copy of the proposed regulation, R134-23, may be obtained by writing to the Division of Minerals office at 400 W. King St, Suite 106, Carson City, NV 89703, by contacting the Division of Minerals at (775) 684-7040 or by downloading it from the Division of Minerals website at: <https://minerals.nv.gov/>

**2. A statement of the estimated economic effect of the regulation on the business which it is to regulate and on the public.**

(I) Both adverse and beneficial effects; and

There are no adverse effects to the proposed changes and will have a small beneficial effect reducing the time needed for a licensed well driller to be onsite when the rig is not in operation.

(II) Both immediate and long-term effects.

Both immediate and long-term effects will be a small impact to the operators.

**3. A statement identifying the methods used by the agency in determining the impact on a small business prepared pursuant to subsection 3 of NRS 233B.0608.**

Pursuant to NRS 233B.0608, the proposed administrative regulation changes are not likely to (a) impose a direct or significant economic burden upon a small business, or (b) directly restrict the formation, operation, or expansion of a small business. Comments have not been solicited from small businesses, and no summary of their response is provided, because small businesses are not impacted by these regulations and thus a burden or economic impact cannot be assessed.

**4. The estimated cost to the agency for enforcement of the proposed regulation.**

There is no cost to the agency

**5. A description of any regulations of other state or local governmental agencies which the proposed regulation overlaps or duplicates and a statement explaining why the duplication or overlapping is necessary.**

There is no overlap or duplication of the regulations.

**6. If the regulation is required pursuant to federal law, a citation and description of the federal law.**

The regulation is not required pursuant to federal law.

**7. If the regulation includes provisions which are more stringent than a federal regulation that regulates the same activity, a summary of such provisions.**

This regulation does not contain any provisions which are more stringent than a federal regulation.

Persons wishing to comment upon the proposed action of the Commission on Mineral Resources may appear at the scheduled public hearing or may address their comments, data, views, or arguments, in written form, to the Nevada Division of Minerals Administrator at 400 W King Street Suite 106, Carson City, NV 89703. Written submissions must be received by the Commission **on or before February 14, 2024**. If no person who is directly affected by the proposed action appears to request time to make an oral presentation, the Commission on Mineral Resources may proceed immediately to act upon any written submissions.

This notice and the text of the proposed regulation are also available in the State of Nevada Register of Administrative Regulations, which is prepared and published monthly by the Legislative Counsel Bureau pursuant to NRS 233B.0653, and on the Internet at <http://www.leg.state.nv.us>. Copies of this notice and the proposed regulation will also be mailed to members of the public upon request.

Upon adoption of any regulation, the agency, if requested to do so by an interested person, either before adoption or within 30 days thereafter, will issue a concise statement of the principal reasons for and against its adoption and incorporate therein its reason for overruling the consideration urged against its adoption.

**This notice of hearing has been posted at the following locations:**

- Division of Minerals, 400 W. King St. Suite 106, Carson City, Nevada
- Division of Minerals, 375 E. Warm Springs Suite 205, Las Vegas, Nevada
- Nevada State Legislature, 401 S. Carson St., Carson City, Nevada
- Grant Sawyer Building, 555 E. Washington Ave, Las Vegas, Nevada
- Nevada State Library and Archives, 100 N. Stewart St, Carson City, Nevada

Posted January 12, 2024

**PROPOSED REGULATION OF THE  
COMMISSION ON MINERAL RESOURCES**

**LCB File No. R134-23**

January 3, 2024

EXPLANATION – Matter in *italics* is new; matter in brackets [~~omitted material~~] is material to be omitted.

AUTHORITY: §§ 1 and 2, NRS 534B.120.

A REGULATION relating to dissolved mineral resources; eliminating requirements that a well driller be present at the site of certain drilling at all times when a drill rig is in operation; revising requirements relating to the removal of any pipe or tubing used for ground control or sampling; and providing other matters properly relating thereto.

**Legislative Counsel’s Digest:**

Existing law requires the Commission on Mineral Resources to adopt regulations governing the drilling and operation of dissolved mineral resource exploration wells and dissolved mineral resource exploration boreholes. (NRS 534B.120) Existing regulations require a person who drills wells to be present at the site of the drilling of a dissolved mineral resource exploration borehole or dissolved mineral resource exploration well at all times when the drill rig is in operation and when any activity involving the construction, reconditioning or plugging of the borehole or well is conducted. (NAC 534B.100) **Section 1** of this regulation eliminates the requirement that the well driller be present at the site of the drilling at all times when the drill rig is in operation.

Existing regulations require any pipe or tubing used for ground control or sampling to be removed by a well driller before plugging a dissolved mineral resource exploration borehole. (NAC 534B.125) **Section 2** of this regulation instead requires a well driller to use his or her best efforts to remove the pipe or tubing before plugging the borehole.

**Section 1.** NAC 534B.100 is hereby amended to read as follows:

534B.100 A well driller:

1. Must be:
  - (a) Licensed to drill wells pursuant to NRS 534.140; and

(b) Present at the site of the drilling of a dissolved mineral resource exploration borehole or dissolved mineral resource exploration well  ~~[at all times when the drill rig is in operation and]~~ when any activity involving the construction, reconditioning or plugging of the borehole or well is conducted. If the Division determines that drilling operations occurred during any period in which a well driller was not present at the site:

(1) The Division may order the drilling operation to cease and conduct an investigation; and

(2) The drilling operation may not recommence until the Division approves the commencement of the drilling operation.

2. Shall ensure that the drilling of the dissolved mineral resource exploration borehole or dissolved mineral resource exploration well complies with:

(a) The terms and conditions of the notice of intent approved by the Division or permit issued by the Division, as applicable; and

(b) The requirements of all federal, state and local agencies which have jurisdiction over the land on which the dissolved mineral resource exploration borehole or dissolved mineral resource exploration well is drilled.

3. Shall carry his or her well-drilling license when he or she is present at the site of the drilling and produce the license when requested to do so by a representative of the Division.

4. Shall have in his or her possession at the site of the drilling the documentation of the approval by the Division of the notice of intent to drill or a permit issued by the Division, as applicable, and shall produce such documentation upon request by a representative of the Division.

**Sec. 2.** NAC 534B.125 is hereby amended to read as follows:

534B.125 1. A dissolved mineral resource exploration borehole must be plugged by a well driller not later than 60 days after the borehole is drilled unless an application for a permit for a dissolved mineral resource exploration well is filed not later than 60 days after the completion of the drilling of the borehole.

2. If an application for a permit for a dissolved mineral resource exploration well is denied by the Division, the dissolved mineral resource exploration borehole must be plugged not later than 30 days after the date that the Division denies the application for the permit.

3. ~~Any~~ *A well driller shall use his or her best efforts to remove any* pipe or tubing used for ground control or sampling ~~[must be removed by the well driller]~~ before plugging a dissolved mineral resource exploration borehole.

4. A dissolved mineral resource exploration borehole must be plugged:

(a) Except as otherwise provided in subsection 5, if the uppermost saturated groundwater layer is above the bottom of the borehole:

(1) By placing concrete grout, cement grout, neat cement or bentonite grout by tremie pipe in an upward direction from the bottom of the borehole to within 20 feet of the surface and by placing concrete grout, cement grout, neat cement or bentonite grout from 20 feet below the surface to the surface;

(2) By placing bentonite chips specifically designed to plug boreholes from the bottom of the dissolved mineral resource exploration borehole to within 20 feet of the surface and by placing concrete grout, cement grout or neat cement from 20 feet below the surface to the surface; or

(3) By placing any of the plugging material described in this subsection from the total depth of the dissolved mineral resource exploration borehole to 50 feet above the uppermost

saturated groundwater stratum and by placing concrete grout, cement grout or neat cement from 20 feet below the surface to the surface.

(b) If the uppermost saturated groundwater stratum is below the bottom of the dissolved mineral resource exploration borehole by:

(1) Backfilling the dissolved mineral resource exploration borehole from the bottom of the borehole to within 20 feet of the surface with uncontaminated soil; and

(2) Placing concrete grout, cement grout or neat cement from 20 feet below the surface to the surface.

5. If the concrete grout, cement grout, neat cement, bentonite grout or bentonite chips are not brought to within 20 feet of the surface pursuant to paragraph (a) of subsection 4, the well driller must:

(a) Measure the depth of the top of the lower plug with the appropriate equipment after he or she has allowed sufficient time for the lower plug to set up;

(b) Continue to install concrete grout, cement grout, neat cement, bentonite grout or bentonite chips until the top of the lower plug remains at least 50 feet above the top of the uppermost saturated groundwater stratum;

(c) Install uncontaminated fill material or concrete grout, cement grout, neat cement, bentonite grout or bentonite chips from the top of the lower plug to within 20 feet of the surface; and

(d) Place concrete grout, cement grout or neat cement from 20 feet below the surface to the surface.

6. If bentonite chips or uncontaminated soil are placed in the dissolved mineral resource exploration borehole, the chips or soil must be screened to eliminate the fines. The bentonite chips must be placed in the dissolved mineral resource exploration borehole by tremie pipe.

7. If there is evidence that water-draining formations or water-bearing formations of different water quality or hydraulic head were encountered during the original construction of the dissolved mineral resource exploration borehole and bentonite chips or bentonite grout is used as the plugging material, the well driller must, in addition to any other applicable requirements of this section, place neat cement across the water-confining formations so that the plugging fluid penetrates the geologic formation to prevent the vertical movement of water. Any pipe or tubing that does not break free and occludes the placement of neat cement across a water-confining formation must be perforated so that the plugging fluid penetrates the annular space and the geologic formation in that interval to isolate formations and to protect the fluids in those formations from interzonal migration.

8. The owner and lessor of the land on which a dissolved mineral resource exploration borehole is located, the operator and the well driller are jointly and severally responsible for plugging a dissolved mineral resource exploration borehole.

9. A plugging report must be filed with the Division not later than 30 days after the plugging of the borehole is completed by the well driller or operator, on a form designated by the Division, and signed by the well driller. The report must include, without limitation, documentation that the dissolved mineral resource exploration borehole was properly plugged.

10. The Division shall post all plugging reports for dissolved mineral resource exploration boreholes on the Internet website of the Division.

## **IV. NEW BUSINESS**

**A.**

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**B.**

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**C.**

# Discussion on The Commission on Mineral Resources

Draft Commission Overview for the :  
Joint Interim Standing Committee on Natural Resources

By:

Rob Ghiglieri

February 15<sup>th</sup>, 2024

Quarterly CMR Meeting

Las Vegas NV

# Request From Joint Interim Standing Committee on Natural Resources

The Committee has scheduled a review certain boards and commissions, which includes a review of the Nevada Commission on Mineral Resources, at its meeting tentatively scheduled April 5, 2024. The Chair is requesting that representatives from the Commission and/or Division of Minerals present at this meeting.

The presentation should be brief and include the following information about the Commission, as governed by statute, regulation, or Commission policy. Please note that presentation topics may be added, deleted or revised between now and April.

- Powers, duties, mission and interactions with Division of Minerals
- Recent actions
- The current composition, qualifications and background of members, length of service and term, and geographic representation of Commission members
- Appointment process and selection criteria considered during the appointment process
- How leadership of the Commission is determined
- Number of meetings held per year and location(s)
- Voting rules/constitution of a quorum
- Per diem allowances and expenses of the Commission in 2022/2023

# CMR History

Nevada Legislature in its 41<sup>st</sup> Session established the Advisory Mining Board

- Purpose of this board was to
  - 1) study ways and means of furthering the mining industry of the state;
  - 2) further explore and develop the oil and gas industry;
  - 3) report results of such studies to the governor; and
  - 4) call upon the Nevada Bureau of Mines and its analytical laboratory in furthering the objectives and purpose of the legislative act.
- In 1977, the Legislature combined the then 2-year-old Oil and Gas Commission with the Mining Advisory Board to create the Oil, Gas, and Mining Board to serve in an advisory capacity to the newly created Division of Mineral Resources within DCNR.
- In 1983, the agency left DCNR when the Legislature created the Department of Minerals, supervised by the Commission on Mineral Resources, all the authority and duties of which remain the same today.
- Sweeping departmental changes occurred in 1993 and the Department was changed to the Division of Minerals within the newly created Department of Business and Industry. This only lasted for six years when the Legislature, in recognition of the importance of the mining, oil and gas, and geothermal industry to Nevada, moved the Division for the last time.

# Commission on Mineral Resources

## Powers

- NRS 513

## Duties

### NRS 513.063

- Keep itself informed of and interested in the entire field of legislation and administration charged to the Division.
- 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.
- 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.
- Formulate the administrative policies of the Division.
- Adopt regulations necessary for carrying out the duties of the Commission and the Division.

# Commission on Mineral Resources

- **Mission**

- To encourage and assist in the responsible exploration for and the production of minerals, oil, gas, and geothermal energy which are economically beneficial to the State, to provide for public safety by identifying, ranking and securing dangerous conditions at mines that are no longer operating, and collecting and disseminating information on exploration, production and related topics.

- **Interactions with Division of Minerals**

- Quarterly Commission meetings
  - Additional meeting as needed
- NRS 513.063
  - 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.
  - Formulate the administrative policies of the Division.
  - Adopt regulations necessary for carrying out the duties of the Commission and the Division.

# Division of Minerals NRS Oversight

- NRS 513 – Commission on Mineral Resources, Division of Minerals, & the Abandoned Mine Lands Program
- NRS 517 – Mining Claims
- NRS 519A – Reclamation Bond Pool
- NRS 522 – Oil and Gas
- NRS 534A – Geothermal
- NRS 534B – Dissolved Mineral Resources

# Commission on Mineral Resources

## Recent Actions

- NRS 534B – Dissolved Mineral Resources (2019 Session)
- NRS 522 Updates – Hydraulic Fracturing (2015 Session)
- Support and/or Collaboration of Partner Agencies
  - Nevada Bureau of Mines and Geology
  - Local and State Museums
  - GOED and other agencies at PDAC
  - DCNR

Others???

# Composition, Qualifications, & Background

Ask: The current composition, qualifications and background of members, length of service and term, and geographic representation of Commission members

**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.

# CMR Members

Josh Nordquist

- Geothermal Commissioner, Current Chairman

Qualifications and Background:

- Director of Resource Operations for Ormat Technologies, Inc., a geothermal energy developer and operator in Nevada. In his current role, he oversees the operation, development, and optimization of Ormat's operating geothermal reservoirs in the US and abroad, and active in all aspects of geothermal exploration, development, and operation. Josh is active in the US geothermal industry, having served as a Vice President for the Geothermal Energy Associations, currently serving as a board member for the Geothermal Resources Council and President of the Nevada Geothermal Council. He also served on the Nevada New Energy Industry Task Force in 2016-2017.

Length of Service and Term:

- In second term ending on June 30, 2027

Geographic Representation:

- Entire State of Nevada

# CMR Members

Mary Korpi

- General Public Member at Large Commissioner, Vice Chair

Qualifications and Background:

- A graduate of Michigan Technological University in Houghton, Michigan, with a degree in chemical engineering, Mary Korpi began working for Newmont Mining Corporation in 1976 at Magma Copper Company in San Manuel, Arizona. She held various positions in the metallurgical services department including shift supervisor, quality control analyst, metallurgist and senior metallurgist of customer relations. She transferred to Newmont's Nevada operations in 1987 and served in a variety of capacities for Newmont, including Director of Metallurgical Services, Director of Loss Control, Leach and Mill Superintendent, and over the final years of her career, as Director of External Relations and Communications for North America. Mary has held numerous non-profit and community based organizations in Northeastern Nevada such as the Northeastern Nevada Economic Development Authority, Elko Area Chamber of Commerce, and Northeastern Nevada Regional Hospital. She is also a member of several professional organizations where she has held leadership roles including Society for Mining, Metallurgy and Exploration; The Mining and Metallurgical Society of America; AIChE, Nevada Mining Association, Women's Mining Coalition and the American Association of University Women. Korpi was recognized in 2016 as the Distinguished Nevadan for her profound and lasting impact on the lives of all Nevadans.

Length of Service and Term:

- In second term ending on June 30, 2025

Geographic Representation:

- Entire State of Nevada

# CMR Members

Art Henderson

- Oil and Gas Commissioner

Qualifications and Background:

- Mr. Henderson has more than 30 years of management, engineering design and construction experience in the petrochemical, polymer and petroleum industries. His work has included process design and engineering, construction management and petroleum drilling engineering for some of the world's largest integrated oil companies. He began his career as a drilling engineer for Amoco drilling deep gas wells in Western Oklahoma, and now travels internationally consulting for major companies in the design and construction of petrochemical plants. He holds degrees in Petroleum Engineering and Microbiology from the University of Oklahoma and is a registered professional petroleum engineer in both Nevada and Texas.

Length of Service and Term:

- In third term ending on June 30, 2027

Geographic Representation:

- Entire State of Nevada

# CMR Members

Nigel Bain

- Large Scale Mining Commissioner

Qualifications and Background:

- Nigel Bain graduated from the University of Otago in 1976 with a Bachelor of Science, with honors, majoring in Mineral Technology. Nigel has worked in the US mining industry for over 35 years starting with mine engineering roles and progressing into roles in senior management. He has worked in Nevada for the last 30 years and lived in six Nevada counties. His resume features roles with mining companies ranging from some of the smallest in the industry to some of the world's largest producers, in commodities ranging from industrial minerals to precious metals. He has been recognized by several regional and national organizations for his leadership in mine safety including the USA National Mining Association's Sentinel of Safety award and the International Society of Mine Safety Professional's Leadership Award for his impact on mine safety.

Length of Service and Term:

- In second term ending on June 30, 2025

Geographic Representation:

- Entire State of Nevada

# CMR Members

Randy Griffin

- Small Scale Mining and Prospecting Commissioner

Qualifications and Background:

- Randy received his Bachelors in Business at the University of Texas in Austin, Texas. He has been living and working in Nevada for a mining company for 15 years. Currently, Randy lives in Henderson, NV. Randy retired at the end of 2020 from Lhoist North America (LNA) after 25 years in sales. During his time with LNA, he served as a Board Member for the Nevada Mining Association. Previously, Randy was the Sales and Distribution Manager at a chromium chemical manufacturer in Corpus Christi, Texas and was responsible for sales into South America, Central America and Mexico.
- Length of Service and Term:
- In second term ending on June 30, 2027

Geographic Representation:

- Entire State of Nevada

# CMR Members

Stephanie Hallinan

- Large Scale Mining Commissioner

Qualifications and Background:

- Stephanie Hallinan has a B.S. degree in Geological Sciences from San Diego State University and been involved with Nevada mining throughout her 20-year career. Stephanie is currently the Environmental Superintendent at the Bald Mountain Mine for KG Mining. Stephanie started in the Nevada mining industry working for various departments to understand all aspects of operations from exploration to closure. Her career path then led to the environmental regulatory world, and various positions with mining and consulting companies holding certifications as a Certified Water Operator, RCRA S30 Hazardous/Toxic Waste Management, Hazwoper, and DOT. She has experience in both Federal and State permitting programs in multiple disciplines including air and water programs, reclamation, cultural resources, TRI, and wildlife. Stephanie is a current member of the Women's Mining Coalition and the Geological Society of Nevada and a past member of the Nevada Mining Association Education Committee distributing information on the importance of mining, both locally and nationally.

Length of Service and Term:

- In first term ending on June 30, 2025

Geographic Representation:

- Entire State of Nevada

# CMR Members

Robert Felder

- Exploration and Development Commissioner

Qualifications and Background:

- Bob has worked on the exploration side of the mining industry for nearly 40 years, beginning in technical positions as an exploration geologist, and progressing into management and leadership roles, for both major and junior companies. He has been involved in the discovery and resource development of several projects in Nevada which have subsequently become mines, and through that experience has become very well versed in all aspects of mineral exploration and development, from early-stage generative exploration to resource and reserve definition. Bob is active in the Nevada geologic community and currently serves as a Director of the Geological Society of Nevada (GSN) Foundation and as Secretary of the Nevada Chapter of The American Institute of Professional Geologists (AIPG). Bob received a B.S. in Geology and Mineralogy in 1979 and an M.S. in Geochemistry and Economic Geology in 1981, both from The Ohio State University, and is a Certified Professional Geologist (CPG) as recognized by AIPG.

Length of Service and Term:

- In second term ending on June 30, 2027

Geographic Representation:

- Entire State of Nevada

# Commission Leadership

## How leadership of the Commission is determined

- 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.
- On a bi-annual basis, the Commission votes for a Chairman and Vice-Chairman

# Number of Meetings Held Per Year and Location(s)

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.
- The Commission meets quarterly with meetings normally in February (Las Vegas), May (Reno/Carson), August (Rural NV) and November (Reno/Carson).
  - Special meetings may occur outside of the quarterly meetings

# Voting Rules/Constitution of a Quorum

Public meeting law

Majority vote is required to take action

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.

# Commission Expenses

## Per diem allowances and expenses of the Commission in 2022/2023

### **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.

FY22 CMR Expenses: \$1,711.53

FY23 CMR Expenses: \$306.88

# CMR/DOM Funding

Average revenue and expenditures  
for fiscal years 2022 & 2023:

- Revenue: \$3,424,521
- Expenditures: \$3,064,409

Revenue Sources:

NRS 513.094 - \$10 per mining claim on federal land filing fees paid to the county

NRS 519A.250 - \$20 per acre of disturbance for any new mining or exploration plan of operations on federal lands

NRS 522 - Oil and gas drilling permit and production fees

NRS 534B - Geothermal drilling permit and annual well fees

NRS 534B - Dissolved Minerals drilling permit fees

NRS 235.016 - Medallions Royalties

Other - Federal, State, and Local government partners

Other Items to be added

**D.**

# Interstate Mining Compact Commission Membership Discussion

Rob Ghiglieri

February 15<sup>th</sup>, 2024

CMR Quarterly Meeting

# IMCC

For decades, states have effectively regulated mining impacts in accordance with federal and state laws. These laws strike a balance between society's needs for the goods and energy produced from solid minerals and the need for protection of people and the environment.

The IMCC is a multi-state governmental organization supporting the natural resource and related environmental protection and mine safety and health interests of its member states.



# IMCC and Nevada's History

- IMCC was created in 1964
- Originally focused on Appalachia Coal
- Over the past 5-7 years, a new focus on hardrock mining and AML
- Currently 25 member states
  - Mostly coal but some non-coal states
- Similar to IOGCC
- Nevada pursued associate membership in 2013
  - Been paying associate member fees
- The need for an energy transition has led to a national change in focus of mining in the US and domestic development of Critical Minerals.



# What is an Interstate Compact?

- It is both a statute and a contract among its member states representing an agreement to cooperate among the member states on certain issues
- Certain kinds of compacts require congressional consent. Compacts like IMCC that are for advisory and consultative purposes do not require congressional consent



# IMCC Membership Requirements

- Entry into the compact as a full member requires the enactment of legislation in the state seeking to join. There is a basic format for the legislation that has been used by each member state over the years, which is available from IMCC.
- States may also enter as an associate member through letter of request by the Governor of the state. Associate membership is for the purpose of ascertaining whether a state desires to join as a full member and is for a period of five years unless extended by majority vote of the full membership.
- Once a state has entered as a full member, it enjoys all the privileges of membership including voice and vote, as well as the opportunity to serve in leadership positions for the organization, including officers and committee chairs.
- States are represented by their Governors, who serve as Commissioners. The Governors generally appoint an alternate to serve in their stead via notice to the Commission.
- Full member states pay annual dues that are based on the value of mineral production in the state – both coal and noncoal. Associate member states are assessed dues contributions on a different schedule.
- A full member state may withdraw from the compact by enacting legislation to do so and providing one year's notice to the other member states. An associate member can withdraw at any time via a letter from the Governor.

# IMCC Structure

- The Compact is governed by common requirements that are included in each state's compact legislation regarding powers of the Commission; operation of the Commission; financing of the organization, and entry into force and withdrawal.
- The organization is also governed by a set of by-laws that elaborate upon the provisions in the compact document and set forth various implementation and operational protocols.
- The Compact works through various standing committees on which member states serve to accomplish the work of the organization. These include Environmental Affairs (Coal and Noncoal Sections), Abandoned Mine Lands, Mine Safety and Health, Resolutions and Finance. The states appoint representatives to serve on each of these committees.
- IMCC also has an Executive Committee, an Awards Committee and a Minerals Education Work Group.
- IMCC has a full-time staff that includes the Executive Director (Tom Clarke), a Director of Legislative and Regulatory Affairs (Ryan Ellis), and an Administrative Assistant (Madeline Hoggarth).

# Work of the Compact

- Accomplished through a combination of in-person meetings and conference calls.
- Uses its strategic plan to set forth the priority objectives of the organization.
- IMCC develops policies and positions regarding legislation and regulation that impact the member states.
  - Including resolutions, written and oral testimony and formal comments
- IMCC commonly works with:
  - Congressional committees and executive agencies
    - House Natural Resources Committee
    - Senate Energy and Natural Resources Committee
    - House and Senate Interior Appropriations Subcommittees
  - Department of the Interior
    - Office of Surface Mining
    - Office of Environmental Policy and Compliance
    - Bureau of Land Management
    - U.S. Fish and Wildlife Service
  - U.S. Environmental Protection Agency
  - U.S. Army Corps of Engineers
  - Mine Safety and Health Administration.



# Work of the Compact

- IMCC works closely with other like-minded organizations including the National Association of Abandoned Mine Land Programs, Western Governors Association, and the Environmental Council of the States.
- Provides opportunities for interstate action and communication on issues of concern to the member states facilitating information sharing and learning among the member states.
- Works with the Congressional Budget Office, the General Accountability Office, and the National Academy of Sciences on a range of issues affecting the states.
- Participated on advisory bodies, steering committees, and federal/state teams, on which member state personnel generally serve in order to ensure direct input from the states.
- Develops and publishes various informational documents in addition to subject matter e-memos, including: special reports, surveys of the states; quarterly “Compact” newsletters; an annual audit; annual reports; and others as needed.

# Observed Membership Benefits

- Highly involved with AML
- Leadership experience
- Strong DOI connections in DC
- Networking and collaboration opportunities within IMCC
- Representing a Multi-State Voice in DC
- Benefits multiple Nevada agencies
- Have a voice in decisions now

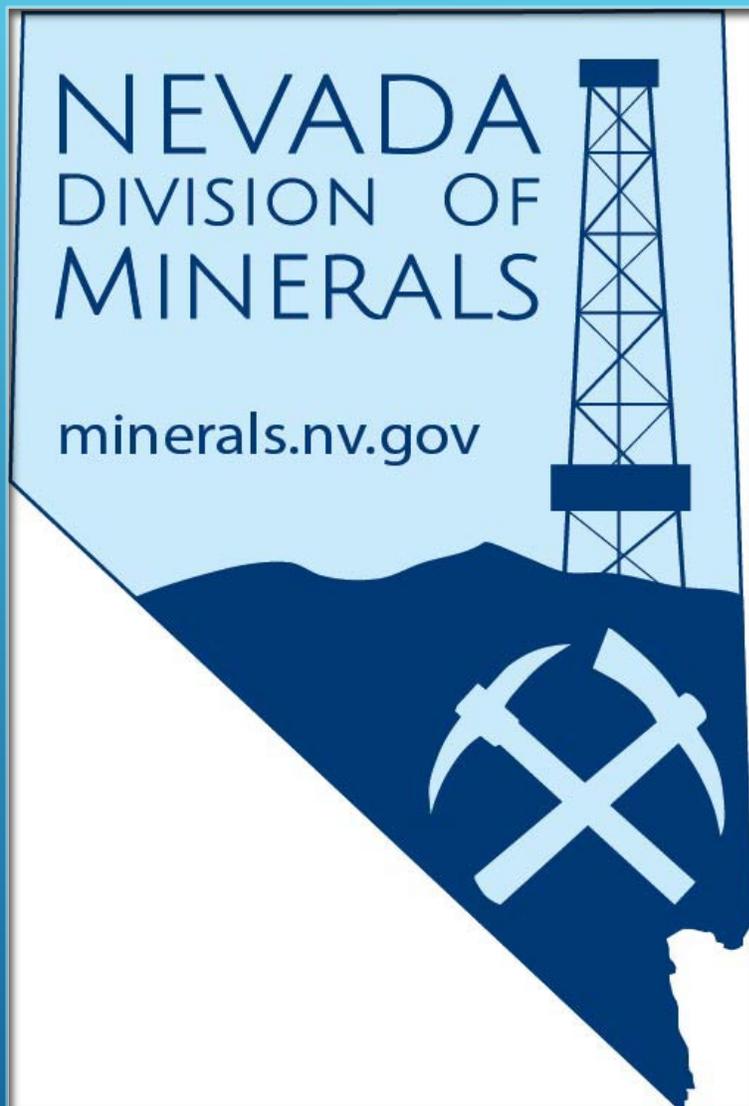


# Next Steps for NDOM

- Receive Commission Support
- Receive Governor's Support
- Work with DCNR
- Compile a BDR
- Find support in both houses in NV legislature
- Build into budget
  - Annual membership fee based of USGS production rates
    - Cap of \$35,140 at moment for membership
  - Build authority in BDR to allow federal funding to pay for membership



**E.**



# INTERN GEOLOGIC SAMPLING PROPOSAL

Rick Kauffman

Field Specialist, Geologist

# GOALS

- ▶ To help promote mineral exploration through general district assay results
- ▶ Expose interns to real world geologic sampling while completing their assigned AML tasks
- ▶ For the initial 2023 pilot year we hope to collect 200+ samples!!
- ▶ Requested funds to start this pilot program would be up to \$30,000

1

Train interns on pre field research to determine rock type, mineralization and potential alteration

2

During AML site visits collect a representative sample from outcrops or dumps

3

Have interns describe basic lithology, alteration, mineralization to the best of their ability

4

End of day/ hitch sample verification for preparation of lab drop off

5

Results will be posted online in a general format associated with mining district (*Exact location will be internal only, to deter visitation to AML sites or public conflict*)

# PROCESS

### **Providing Sample Results Publicly:**

- ▶ Pro: Easy access for companies to get a general idea of the rock geochemistry and mineralization of a mining district
- ▶ Con: Could deter exploration if commodities of interest are not present in samples

### **Interns Collecting Samples:**

- ▶ Pro: Expose interns to real world exploration scenarios
- ▶ Con: Limited geologic knowledge to collect a good sample

### **\*\*Public Issues:**

- ▶ Has potential to cause questions of sample locations and devaluing a company's assessment of an area

**PROS/CONS**



**Lab Costs:****Bureau Veritas:**

AQ115Au (Aqua Regia ICP-MS) \$18.10

MA200 (45 element includes Li) \$43.30

Litho geochemistry LF300 (optional) \$43.30

**Supply Costs:**

Bags, Hammers, Hand Lenses: \$414

**Other Options:**

General Exploration Element Suite Analysis (Good only for hydrothermal environments)

\$35.05

Rent XRF ≈ \$3500/month (Potential to purchase?)

Description	Amount	Cost
Lab Sample	200@ \$130	\$26,000
Bags	300@\$42.00/100	\$126.00
Hammers	4@ \$47.00 One time cost	\$188.00
Hand Lens	4@ \$25.00 One time cost	\$100.00
Total Cost		\$26,414

# COST ANALYSIS



We hope to receive funding up to \$30,000 to kick off this pilot program



The funds would be used to support and encourage exploration activities in Nevada



The funds would also allow an added level of experience for interns

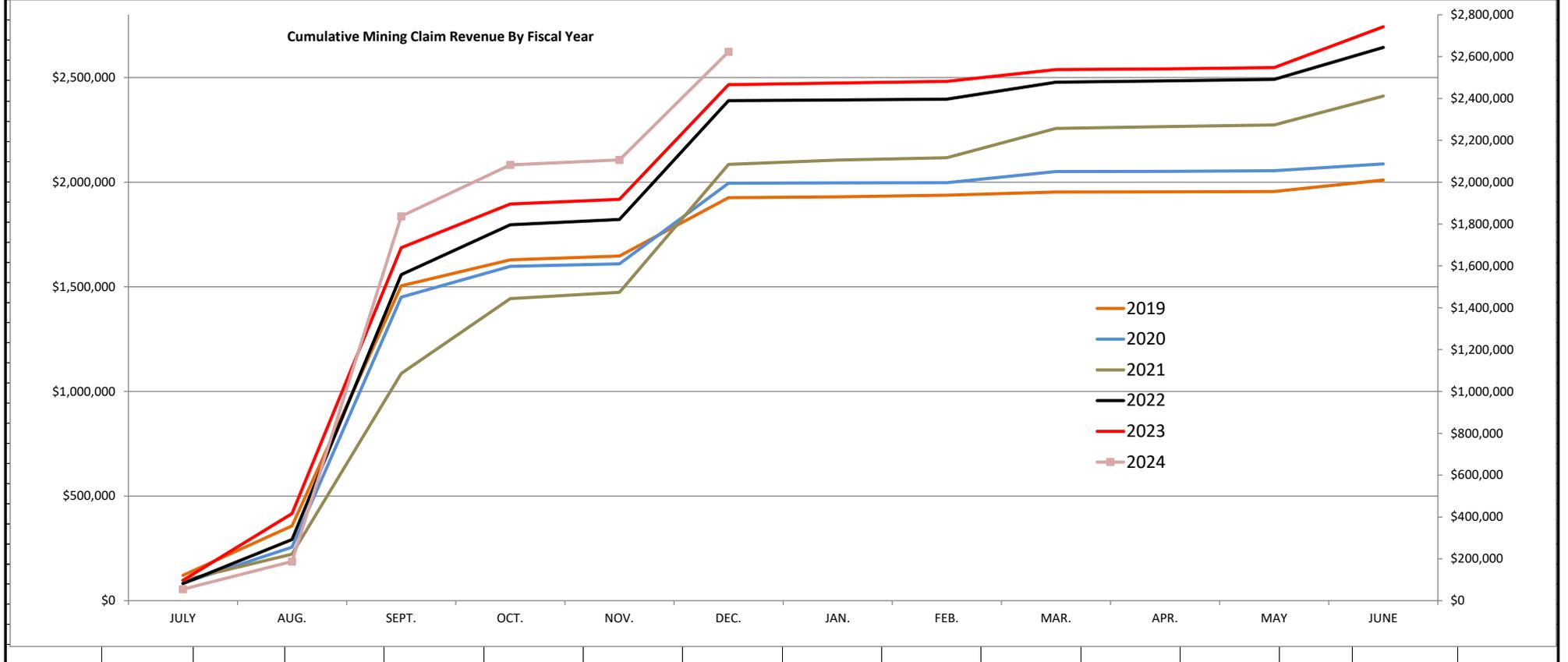
# CLOSING

## **V. OLD BUSINESS**

**A.**

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
2024	\$54,900	\$187,915	\$1,837,225	\$2,083,035	\$2,106,635	\$2,623,315								
2023	\$97,420	\$416,620	\$1,686,460	\$1,895,930	\$1,917,950	\$2,465,650	\$2,474,100	\$2,481,420	\$2,538,130	\$2,541,440	\$2,547,530	\$2,742,890	3.7%	274,289
2022	\$81,700	\$292,160	\$1,557,970	\$1,796,170	\$1,821,730	\$2,389,380	\$2,392,810	\$2,396,650	\$2,477,620	\$2,483,930	\$2,491,520	\$2,644,120	9.6%	264,412
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	\$2,411,530	15.5%	241,153
2020	\$83,720	\$256,070	\$1,450,980	\$1,597,760	\$1,609,370	\$1,995,430	\$1,997,180	\$1,997,950	\$2,050,880	\$2,051,660	\$2,054,840	\$2,087,470	3.7%	208,747
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
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
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
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
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
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
FY24 data as of 2/6/24; Pending: Nye, projections used														
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														
* \$1.50 fee increase (FY17)														



**FY24 Mining Claim Fees by County (thru 2/6/2024)**

Counties	Monthly or Quarterly	July	August	September	October	November	December	January	February	March	April	May	June	Total
Carson	Quarterly			\$ 410			\$ 80							\$ 490
Churchill	Quarterly			\$ 37,330			\$ 8,980							\$ 46,310
Clark	Monthly	\$ 880	\$ 15,040	\$ 4,330	\$ 2,020	\$ 1,700	\$ 80							\$ 24,050
Douglas	Quarterly			\$ 5,460			\$ 2,340							\$ 7,800
Elko	Monthly	\$ 16,940	\$ 57,940	\$ 139,110	\$ 131,990	\$ 13,670	\$ 6,160							\$ 365,810
Esmeralda	Quarterly			\$ 175,450			\$ 115,600							\$ 291,050
Eureka	Monthly	\$ 20,040	\$ 14,320	\$ 204,420	\$ 29,990	\$ -	\$ 4,410							\$ 273,180
Humboldt	Quarterly			\$ 146,450			\$ 79,980							\$ 226,430
Lander	Quarterly			\$ 215,070			\$ 42,380							\$ 257,450
Lincoln	Quarterly			\$ 42,500			\$ 13,100							\$ 55,600
Lyon	Quarterly			\$ 48,820			\$ 14,300							\$ 63,120
Mineral	Monthly	\$ 15,570	\$ 45,080	\$ 31,320	\$ 59,960	\$ 960	\$ 12,100							\$ 164,990
Nye	Quarterly			\$ 322,240			\$ 121,200							\$ 443,440
Pershing	Quarterly			\$ 84,560			\$ 58,860							\$ 143,420
Storey	Quarterly			\$ 1,370			\$ 3,320							\$ 4,690
Washoe	Monthly	\$ 1,470	\$ 635	\$ 3,600	\$ 21,850	\$ 7,270	\$ 850							\$ 35,675
White Pine	Quarterly			\$ 186,870			\$ 32,940							\$ 219,810
	FY 24	\$ 54,900	\$ 133,015	\$ 1,649,310	\$ 245,810	\$ 23,600	\$ 516,680							\$ 2,623,315
	FY 23	\$ 97,420	\$ 319,200	\$ 1,175,110	\$ 209,470	\$ 22,020	\$ 552,040							
	Difference:	\$ (42,520)	\$ (186,185)	\$ 474,200	\$ 36,340	\$ 1,580	\$ (35,360)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	FY 24 CUMULATIVE	\$ 54,900	\$ 187,915	\$ 1,837,225	\$ 2,083,035	\$ 2,106,635	\$ 2,623,315	\$ 2,623,315	\$ 2,623,315	\$ 2,623,315	\$ 2,623,315	\$ 2,623,315	\$ 2,623,315	\$ 5,246,630

Thru Dec FY23 \$ 2,375,260

Thru Dec FY24 \$ 2,623,315

Difference \$ 248,055 10%

On/Before Nov 1 FY23 \$ 1,801,200

On/Before Nov 1 FY24 \$ 2,083,035

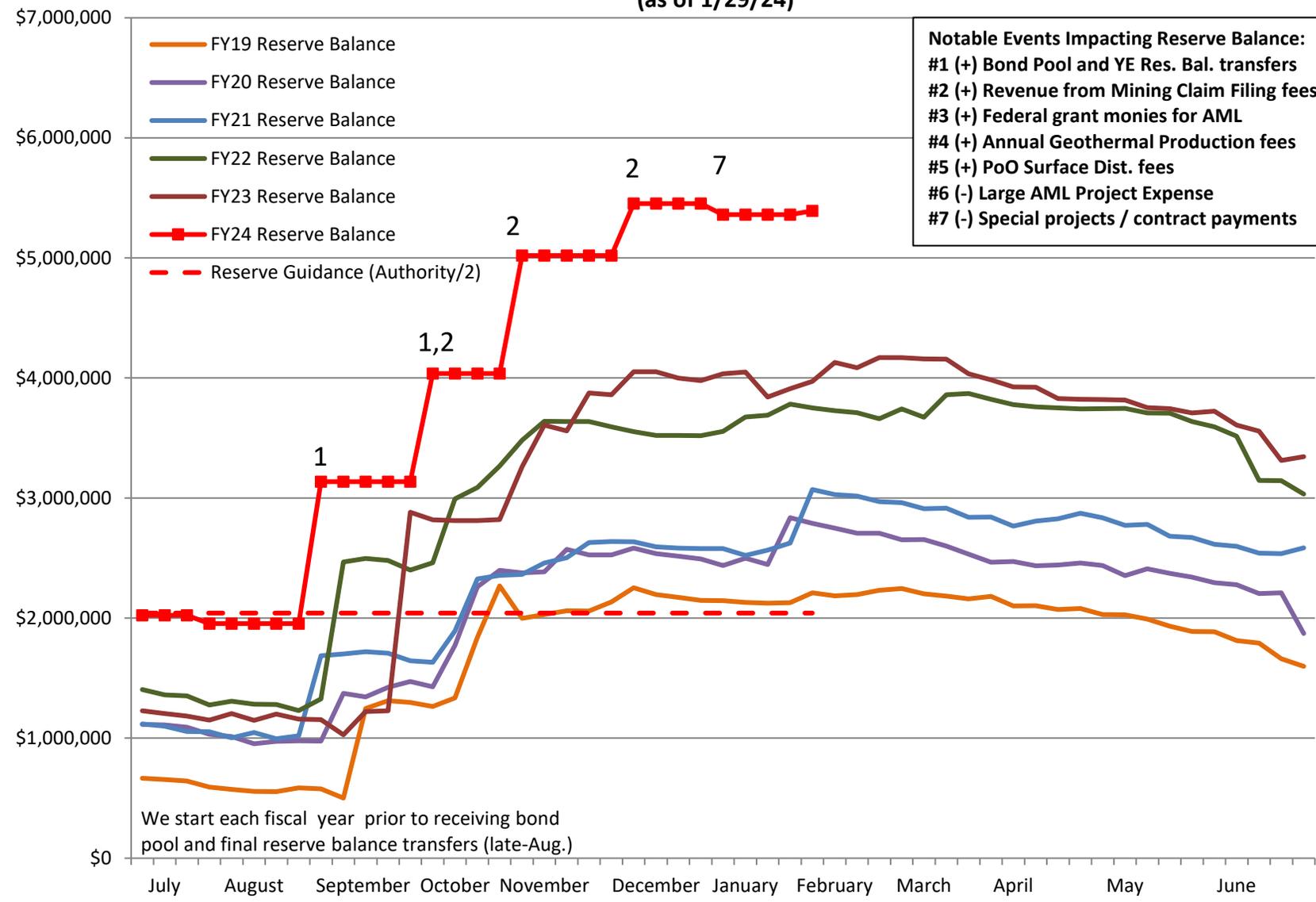
\$ 281,835 16%

**PROJECTED AMOUNT NOT ACTUAL**

# NDOM Reserve Balance by Week for FY19 - FY24

(as of 1/29/24)

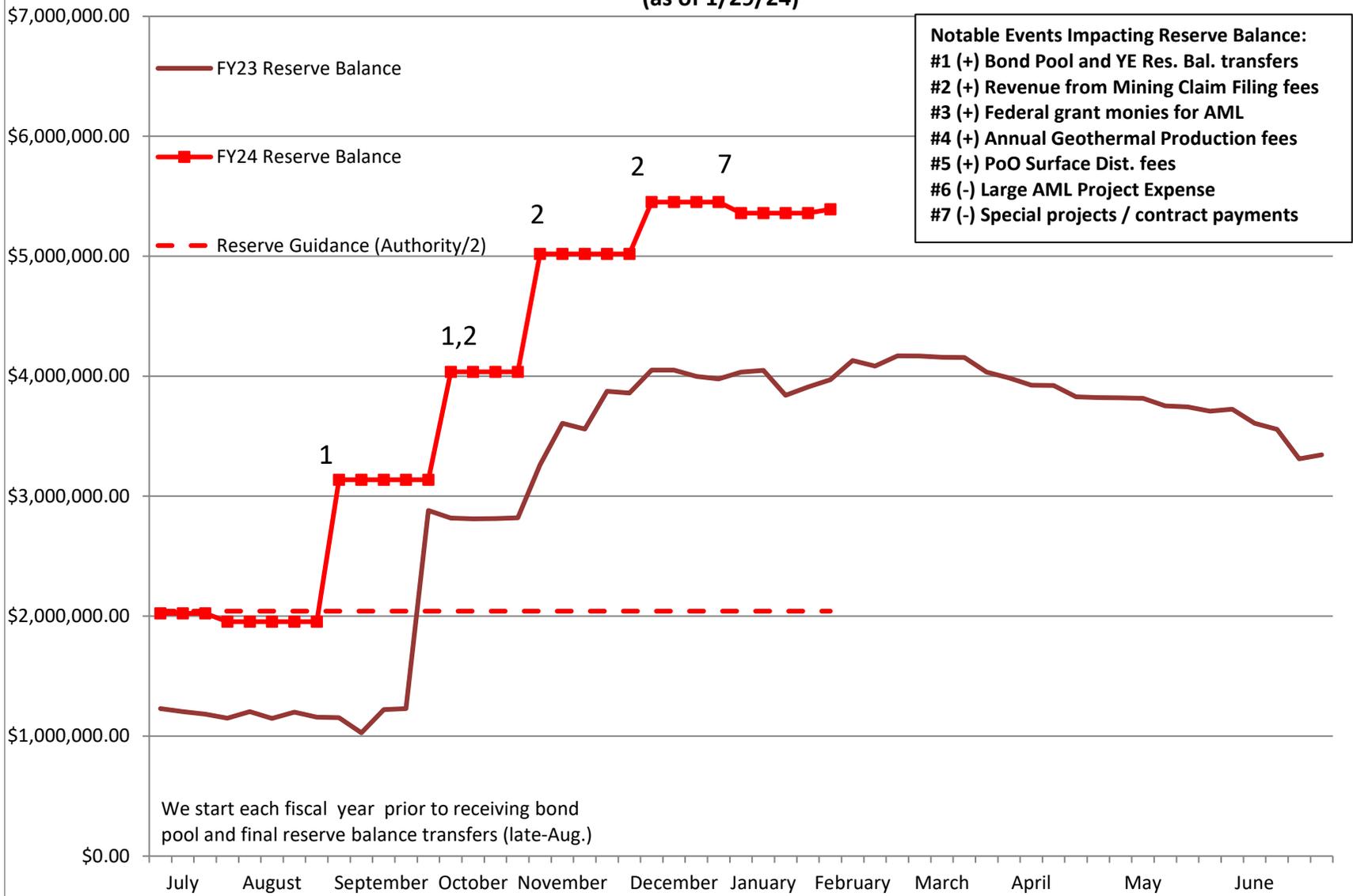
**Notable Events Impacting Reserve Balance:**  
 #1 (+) Bond Pool and YE Res. Bal. transfers  
 #2 (+) Revenue from Mining Claim Filing fees  
 #3 (+) Federal grant monies for AML  
 #4 (+) Annual Geothermal Production fees  
 #5 (+) PoO Surface Dist. fees  
 #6 (-) Large AML Project Expense  
 #7 (-) Special projects / contract payments



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

# NDOM Reserve Balance by Week for FY19 - FY24

(as of 1/29/24)



Category	Desc	Leg	Work Program (Current)		Actuals	Budget Balance	Projection	Actuals + Projection	Project Budget Balance
			Approved	Authority					
00	3578 BLM ASSISTANT AGREEMENT		200,000	200,000	0	200,000	600,000	600,000	400,000
00	3580 USFS ASSISTANCE AGREEMENT		114,120	114,120	7,869	106,251	192,131	200,000	85,880
00	3584 FEDERAL GRANT-D		77,787	77,787	0	77,787	114,000	114,000	36,213
00	3654 OIL AND GAS PERMITS AND FEES		22,668	22,668	15,240	7,428	15,819	31,059	8,391
00	3717 APPLICATION FEES		4,400	4,400	600	3,800	3,800	4,400	0
00	3718 MINING REGULATION FEES		1,543,637	1,543,637	1,306,827	236,810	338,907	1,645,734	102,097
00	3727 DANGEROUS MINE FEE		1,029,092	1,029,092	871,218	157,874	225,938	1,097,156	68,064
00	3736 GEOTHERMAL FEES		156,550	156,550	11,400	145,150	155,400	166,800	10,250
00	3740 DISSOLVED MINERAL RES EXPL		8,000	8,000	1,000	7,000	7,000	8,000	0
00	3770 AML SECURING FEE		92,080	92,080	0	92,080	50,000	50,000	-42,080
00	4011 PRINTING SALES		27	27	0	27	0	0	-27
00	4027 PUBLICATION SALES		2,937	2,937	476	2,461	2,461	2,937	0
00	4311 MEDALLION ROYALTY INCOME		253	253	0	253	253	253	0
00	4326 TREASURER'S INTEREST DISTRIB		24,971	24,971	43,523	-18,552	130,568	174,090	149,119
00	4620 TRANS FR RECL BOND POOL BA4220		58,057	58,057	0	58,057	58,057	58,057	0
<b>Total Rev</b>			<b>3,334,579</b>	<b>3,334,579</b>	<b>2,258,153</b>	<b>1,076,426</b>	<b>1,894,334</b>	<b>4,152,486</b>	<b>817,907</b>
01	PERS SERVICE		1,411,296	1,411,296	706,721	704,575	719,309	1,426,031	14,735
02	OUT ST TRAV		19,974	45,613	11,900	33,713	36,938	48,838	3,225
03	IN ST TRAV		12,978	12,978	7,430	5,548	5,814	13,244	266
04	OPERATING		115,257	115,257	84,657	30,600	33,587	118,244	2,987
05	EQUIPMENT		5,216	5,216	387	4,829	-280	107	-5,109
08	BOARD TRAVEL		9,907	9,907	493	9,414	199	692	-9,215
09	SPECIAL PRJ		207,273	508,873	45,192	463,681	438,200	483,392	-25,481
14	LV OFFICE		42,182	42,182	24,864	17,318	18,127	42,991	809
17	FLUID MINRLS		19,145	19,145	4,205	14,940	18,863	23,068	3,923
18	AML SUPPORT		188,967	188,967	66,385	122,582	166,521	232,906	43,939
26	INFO SERV		48,562	48,562	25,507	23,055	13,685	39,192	-9,370
30	TRAINING		7,375	7,375	4,510	2,865	250	4,760	-2,615
39	AML ENHANCMT		1,141,331	1,141,331	515,322	626,009	1,126,009	1,641,331	500,000
42	PUBLIC AGENCY		0	400,000	0	400,000	100,000	100,000	-300,000
82	EITS CST ALO		83,337	83,337	41,669	41,669	41,669	83,337	0
87	PURCHASE		2,493	2,493	1,870	623	623	2,493	0
88	ST CST RECV		41,323	41,323	20,662	20,662	20,662	41,323	0
89	AG CST ALLOC		0	0	0	0	0	0	0
<b>Total Exp</b>			<b>3,356,616</b>	<b>4,083,855</b>	<b>1,561,772</b>	<b>2,522,083</b>	<b>2,740,176</b>	<b>4,301,948</b>	<b>218,093</b>
Operating Income			-22,037	-749,276	696,380	-1,445,656	-845,842	-149,462	599,814
Beg Net Assets			2,023,714	3,345,142	3,345,142	3,345,142	3,345,142	3,345,142	3,345,142
End Net Assets			2,001,677	2,595,866	4,041,522	1,899,486	2,499,300	3,195,680	<b>3,944,956</b>
Days Exp in Ending Rsv									<b>335</b>

Cat 09 FY24 Expected Projects

Contract	Cost
YESCO	\$ 20,000
GBC	\$ 146,000
NVSM	\$ 90,000
CCCM	\$ 15,000
T6	\$ 50,000
Sample Curation	\$ 22,400
MI Report	\$ 22,000
Lithium Report	\$ 35,000
Railroad Valley	\$ 37,800
<hr/>	
Total	\$ 438,200

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# **SOSA & EDUCATION OUTREACH UPDATES**

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**LAS VEGAS CMR**

**KEITH HAYES**

**February 15, 2023**

# Education Outreach Updates

Updates to Graphics,  
Illustrations, and Content  
of the most widely used  
Education Outreach  
materials



# Proposed Updates

# AML Brochure

**Cave-Ins:** Areas that are likely to cave often are hard to detect. Minor disturbances such as vibrations caused by walking or loud noises, may cause a cave-in. If a person is caught by a cave-in they can be crushed to death. Also, a cave-in could trap a victim inside of the mine without anybody knowing that someone is in there. Death may come through starvation, thirst, or gradual suffocation.



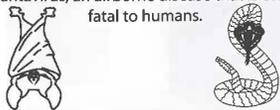
**Explosives:** Many abandoned mines contain old explosives left behind by previous workers. Explosives should never be handled by anyone who is not properly trained to do so. Even experienced miners hesitate to handle old explosives. Old dynamite sticks and caps can explode if stepped on or simply even touched.



**Rattlesnakes, bats, and rodents:** Old mine workings are among the favorite haunts of rattlesnakes (to cool off in the summer or to search for rodents and other small animals). Any hole or ledge, especially near the entrance of the adit or mine shaft, can conceal a snake.

Bats commonly use mine workings for shelter. Occasionally, bats carry rabies.

Some species of mice and rats carry the hantavirus, an airborne disease that is often fatal to humans.



## Rescue Problems

**NO INEXPERIENCED PERSON SHOULD ATTEMPT TO RESCUE THE VICTIM OF A MINE ACCIDENT!**

**CALL THE COUNTY SHERIFF!** They are in the best position to organize a rescue operation.

Attempting to rescue a person from a mine accident is usually difficult and dangerous for both the victim and the rescuer. Even professional rescue teams, who are trained to avoid all unnecessary risks, face injury or death. Adults who are tempted to enter a mine must realize and respect the inherent hazards associated with abandoned mines and should teach all children about these extreme dangers.

### DON'T VANDALIZE!

Fences, barricades, and warning signs are there for your safety. Disturbing or vandalizing them is dangerous and illegal. Mine owners have constructed these safeguards at their expense for your protection. Please cooperate with their efforts.

Those who remove tools, equipment, building materials, and other objects from mines and buildings around mines do not go home with souvenirs, but with stolen property

**THERE IS ONLY ONE SAFE WAY TO DEAL WITH ABANDONED MINES: STAY OUT & STAY ALIVE!**

FOR FURTHER INFORMATION, OR TO REPORT AN ABANDONED MINE, PLEASE CONTACT THE NEVADA DIVISION OF MINERALS



## Dangers in and Around Abandoned Mines



Nevada Commission on Mineral Resources

### DIVISION OF MINERALS

Web site: [minerals.nv.gov](http://minerals.nv.gov)

Northern Nevada:

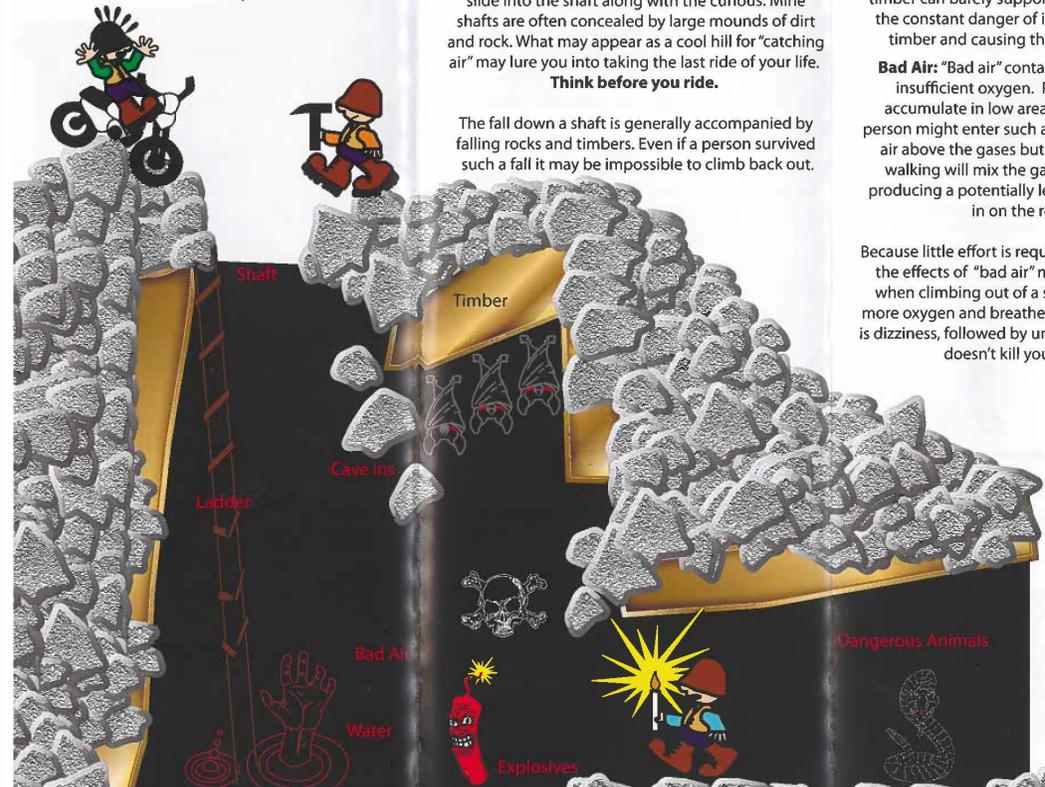
400 W. King St., Ste. 106  
Carson City, NV 89703-4212  
(775) 684-7040 (phone)  
(775) 291-7825 (24 hr.)  
(775) 684-7052 (fax)  
[ndom@minerals.nv.gov](mailto:ndom@minerals.nv.gov)

Southern Nevada:

375 E. Warm Springs Rd., Ste. 205  
Las Vegas, NV 89119  
(702) 486-4343 (phone)  
(702) 486-4345 (fax)  
[ndomlv@minerals.nv.gov](mailto:ndomlv@minerals.nv.gov)

### Dangers in and Around Abandoned Mines:

**Ladders:** Ladders in most abandoned mines are unsafe. Ladder rungs are often missing or broken. Some will fail, even under the weight of a child, because of dry rot.



**Mine Shafts:** The top of a mine, or a mine shaft, is especially dangerous. The rock at the surface is often unstable. Timbers may be rotten or missing. It is dangerous to walk or ride **ANYWHERE** near a shaft opening. The whole area is often ready and waiting to slide into the shaft along with the curious. Mine shafts are often concealed by large mounds of dirt and rock. What may appear as a cool hill for "catching air" may lure you into taking the last ride of your life.

**Think before you ride.**

The fall down a shaft is generally accompanied by falling rocks and timbers. Even if a person survived such a fall it may be impossible to climb back out.

**Timber:** The timber in abandoned mines can be weak from decay. Other timber, which may appear to be in good condition, may become loose and fall at the slightest touch. A well-timbered mine opening can look very solid when in fact the timber can barely support its own weight. There is the constant danger of inadvertently touching a timber and causing the workings to collapse.

**Bad Air:** "Bad air" contains poisonous gases or insufficient oxygen. Poisonous gases can accumulate in low areas or along the floor. A person might enter such areas breathing the good air above the gases but the motion caused by walking will mix the gases with the good air, producing a potentially lethal mixture to breathe in on the return trip.

Because little effort is required to go down a ladder the effects of "bad air" may not be noticed, but when climbing out of a shaft, a person requires more oxygen and breathes more deeply. The result is dizziness, followed by unconsciousness. If the gas doesn't kill you, the fall will!

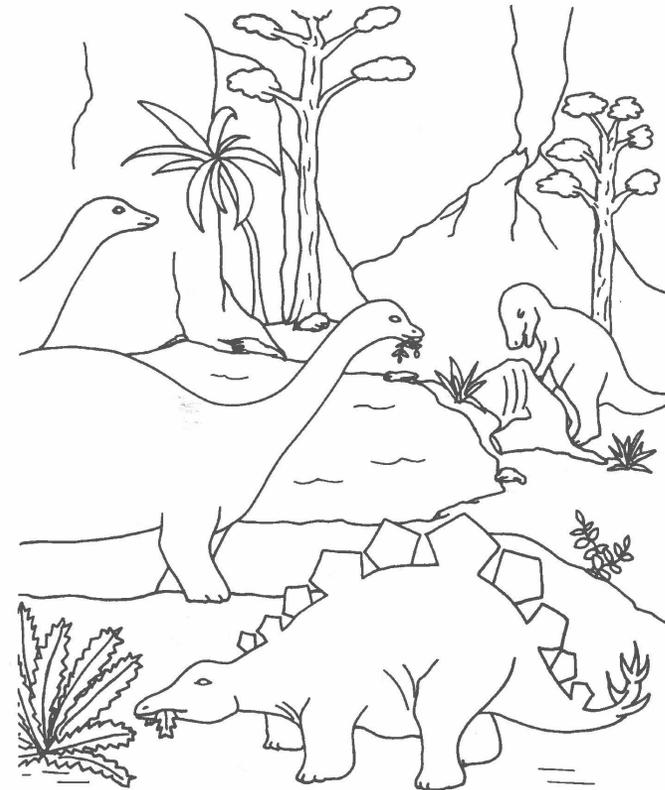
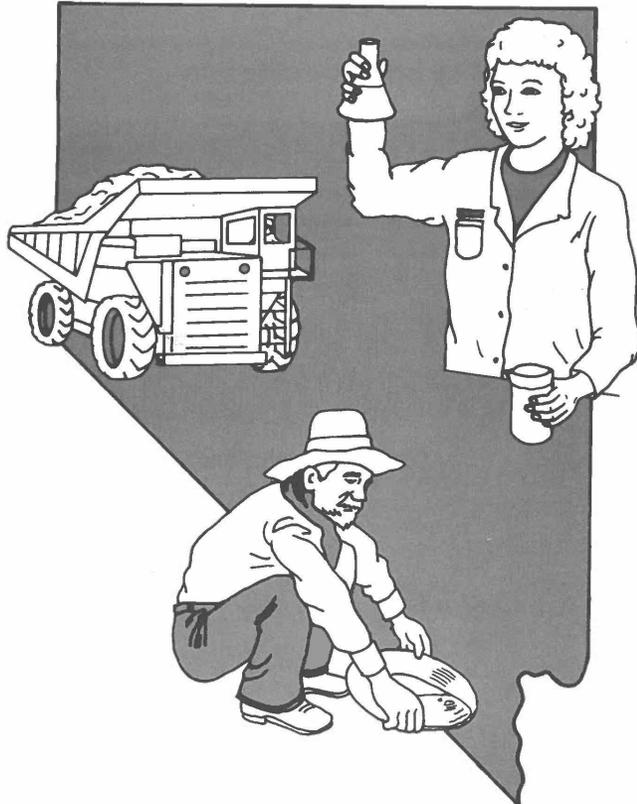
**Water:** Many underground workings have standing pools of water which could conceal holes in the floor. Pools of water also are common at the bottom of shafts. It is usually impossible to estimate the depth of the water, and a false step could lead to drowning.



# Proposed Updates

## Activity Book

### MINING IN NEVADA Activity Book



Minerals were formed long ago – many even before dinosaurs roamed the earth.

# Proposed Updates

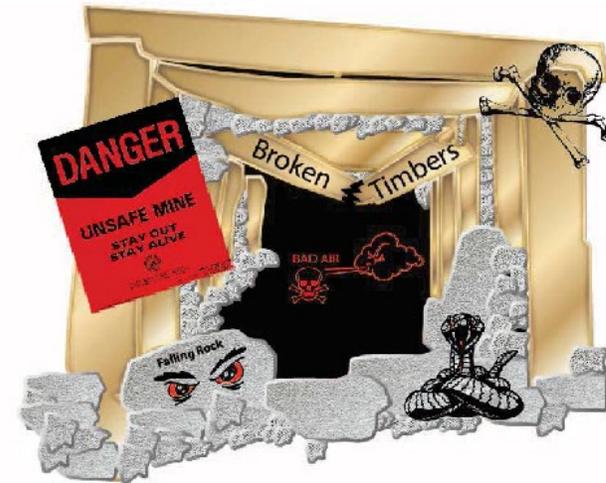
## AML Mini-Units

### ABANDONED MINE MINI-UNIT 4th GRADE



*Commission on Mineral Resources  
Division of Minerals*

### ABANDONED MINE MINI-UNIT 7th GRADE



*Commission on Mineral Resources  
Division of Minerals*

# Impact of Publications

A man with a mustache and goatee, wearing a black cap, large red-tinted sunglasses, and a grey t-shirt, is smiling. The background is a textured, brownish surface with dark spots.

- Publications are a direct reflection of our Agency and our Mission
- NDOM distributes AT LEAST 10,000 of these Publications annually
  - Publications should be ENGAGING
  - BRAND CONSISTENCY is important

# Spending Request

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**Requesting to spend up to \$32,000 to update the design/artwork and content:**

- **AML Brochure**
- **Activity Books**
- **AML Mini-Units**

# Vendors

Consulting Marketing and Education Services vendors provided by Nevada Department of Administration Purchasing Division that could potentially provide such services:

- **Davidson Belluso**

- Creative Development, Educational Media
- [Davidson Belluso Case Studies | Phoenix Advertising Agency](#)

- **DP Video Productions, LLC**

- Graphic Design, Brochures
- [Graphic Design - DP Video Productions a full service media company](#)

- **Estipona Group**

- Graphic Design/Branding
- [Work | ESTIPONA GROUP](#)

- **Trimetrix, Inc.**

- Graphic Design, Infographics, Web Design
- [Learning and Resource Center – TriMetrix \(trimetrix-inc.com\)](#)

# Presentation

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**Three Point Four Media** has prepared some examples of new content creation of educational materials.

**Thank  
You**

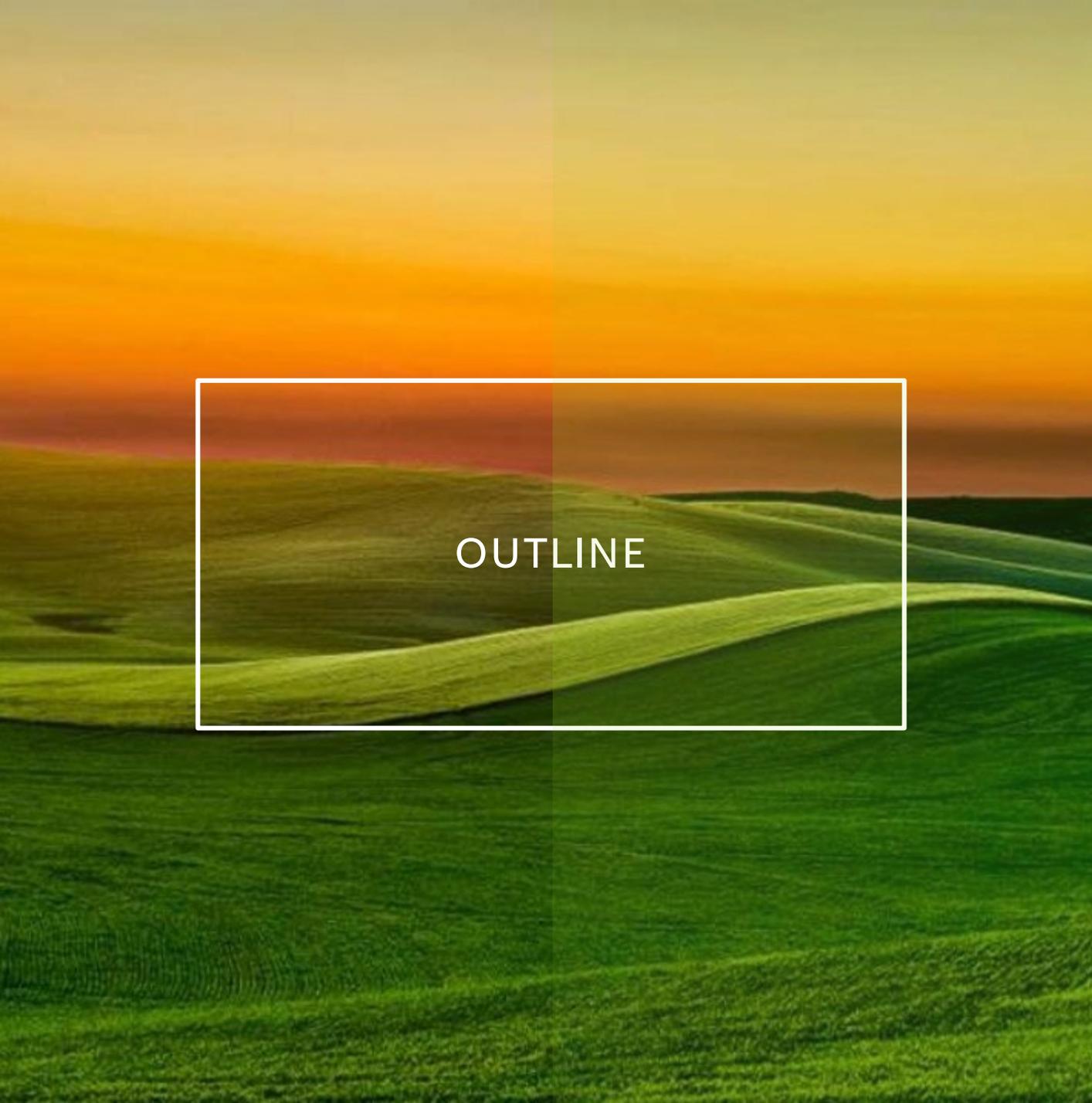


**E.**

# **LAND ISSUES UPDATE**

**NDOM COMMISSION MEETING FEBRUARY –  
2024**

**LUCIA PATTERSON**



# OUTLINE

1. CEQ Proposed NEPA Rule
2. Sage-Grouse ARMPA
3. Conservation Rule
4. NAC Rule
5. Stagecoach Wind Project
6. Esmeralda 7
7. Nye County Moratorium
8. Truckee Meadows Public Lands Management Act

# CEQ PROPOSED NEPA RULE

- LETTER SUBMITTED – GOVERNOR’S OFFICE
- WAITING ON FINAL DRAFT
  - PROPOSAL TO INCREASE PERMITTING TIME
  - LACK OF REGULATORY STABILITY DISASTROUS FOR ECONOMIC DEVELOPMENT (NEED CONFIDENCE AND CERTAINTY IN NEPA)
  - INCREASES OPPORTUNITIES FOR LITIGATION
  - WILL RESULT IN ECONOMIC IMPACTS TO LOCAL ECONOMIES
  - ALLOWS FOR PROJECTIONS AND ASSUMPTIONS TO BE ACCEPTABLE FORMS OF ENVIRONMENTAL ANALYSIS
  - REQUIRES MORE INFORMATION WITH A SMALLER OVERALL DOCUMENT SIZE

# GREATER SAGE-GROUSE ARMPA

- NDOM INCLUDED AS COOPERATING AGENCY IN AUGUST
- DEIS PROVIDED TO CA'S DECEMBER 8<sup>TH</sup> @ 3:53 PM
- COMMENTS ACCEPTED THROUGH DECEMBER 29<sup>TH</sup> (A GRACIOUS EXTENSION FROM AN ORIGINAL DECEMBER 26<sup>TH</sup> DEADLINE)
- I'LL TAKE THE LIBERTY OF LAYING OUT THE STATS:
  - **14 business days** to review
    - **660 page** dies + **1,562 page** appendix + **104 maps** (we got a break because some were missing)
- NDOM SUBMITTED MANY COMMENTS (68 TOTAL)
- BLM ANTICIPATES DEIS FOR PUBLIC COMMENT IN APRIL-MAY (HOPEFULLY ACCOMPANYING DATA AS WELL)



## CONSERVATION RULE

- NDOM SUBMITTED COMMENTS
- RECORD NUMBER OF COMMENTS RECEIVED (216,000 IN TOTAL - 22,000 BEING SUBSTANTIVE)
- AT THE GOLD BELT MEETING, IT WAS STATED THAT THE RULE HAS A LONG TIME TO GO, IT'S CAUGHT LOTS OF ATTENTION
- ESTIMATED THAT IT WOULD PROBABLY 18-24 MONTHS (THAT FIGURE WAS AS OF MID AUGUST) TO EVEN HAVE AN ANSWER WHICH DOESN'T INCLUDE A FINAL DRAFT.



## SECURITY EXCHANGE COMMISSION – NATURAL ASSET COMPANY RULE

The NAC Rule defines a NAC as:

“Corporations that hold the rights to the ecological performance of a defined area and have the authority to manage the areas for conservation, restoration, or sustainable management.”

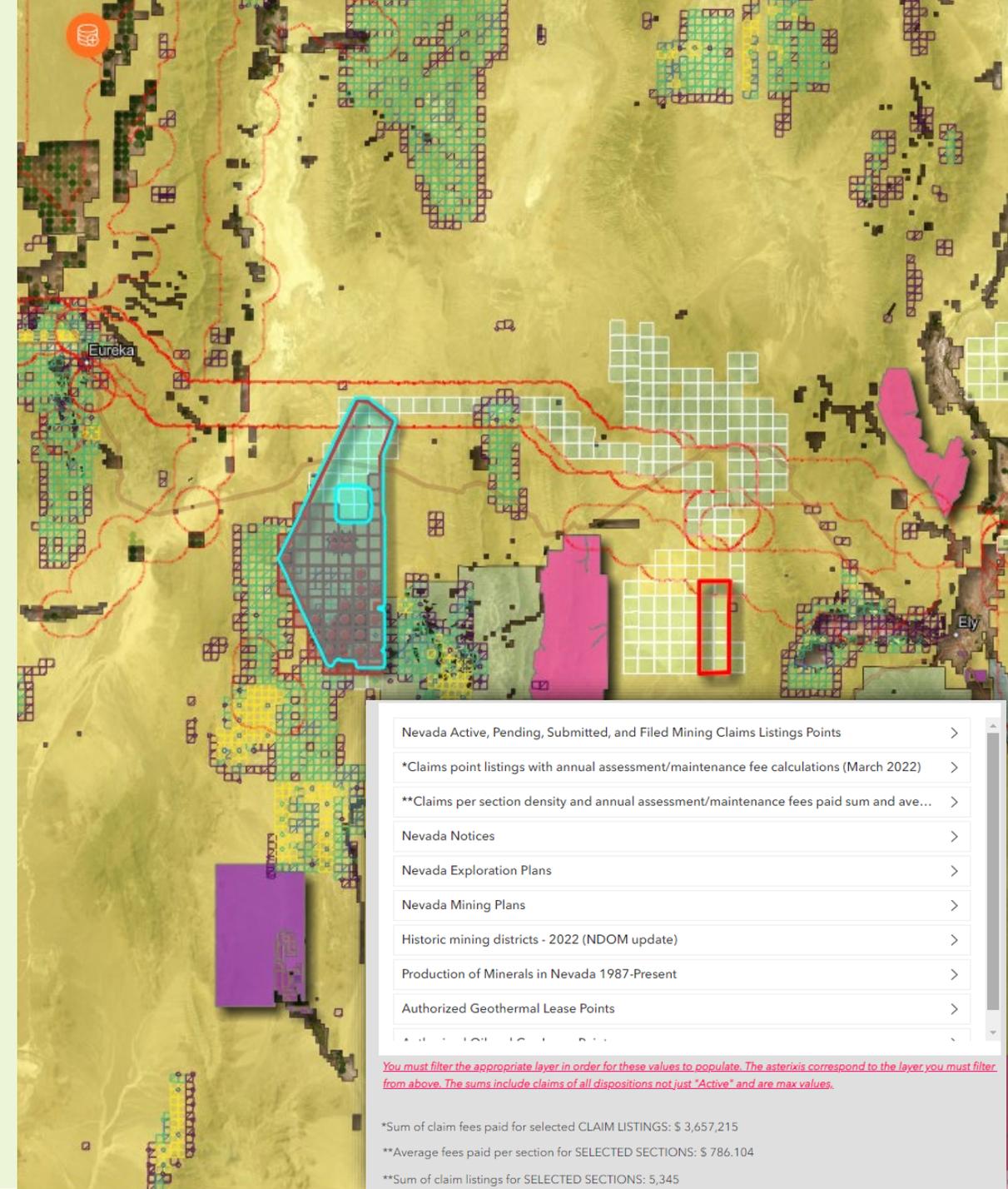
The exchange said that these rights could be licensed like other rights, including “run with the land” rights such as mineral rights, water rights, or air rights[.]”

The Rule clearly conveys that ecological performance goals would be inclusive of public lands stating:

“If the NAC has entered into a license agreement with respect to public lands, shares representing at least 50% of the shares of the NAC’s outstanding shares as of the closing of the IPO must be distributed to local communities.” (FR at 68815)

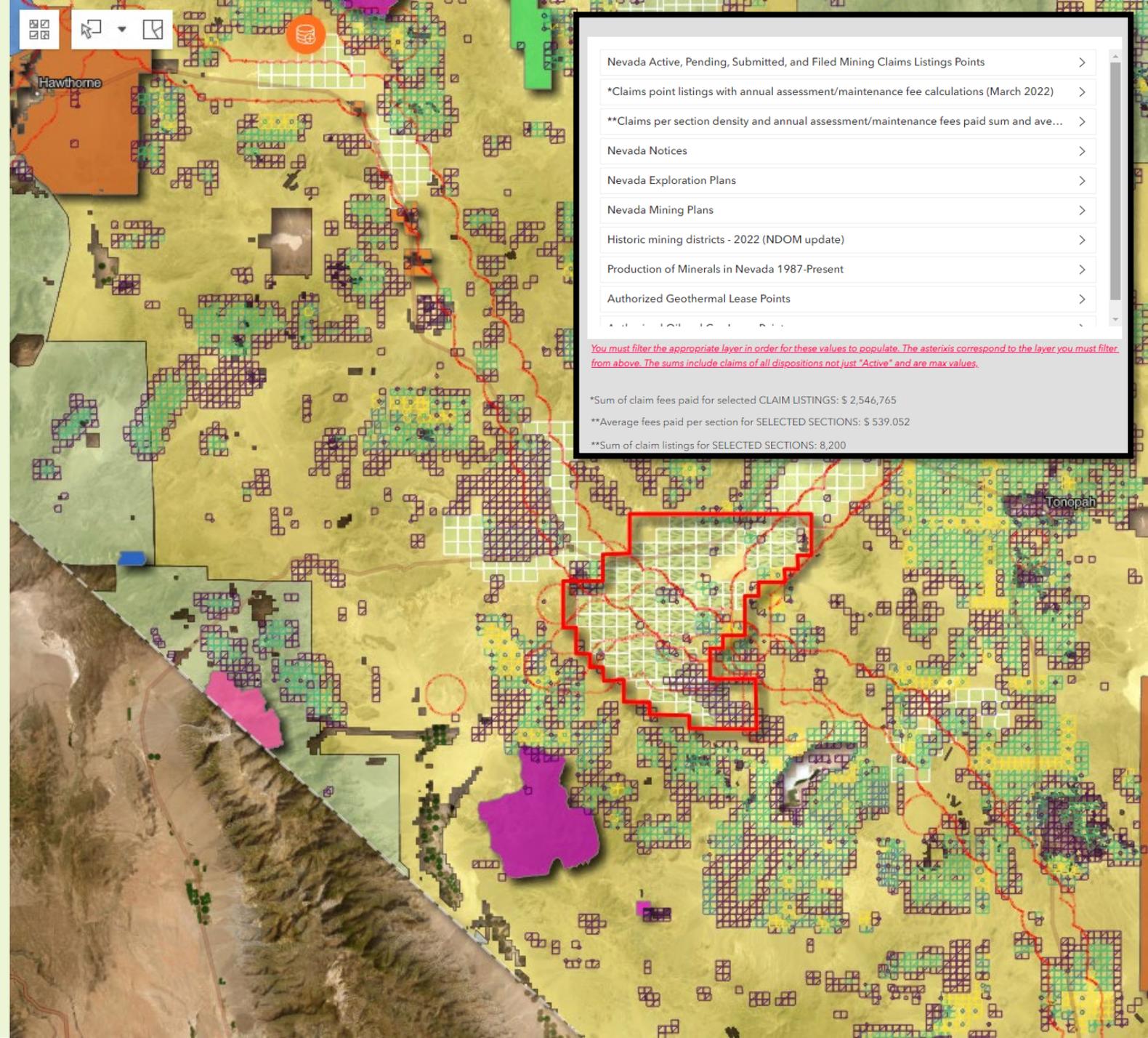
# STAGECOACH WIND PROJECT – 69,431 ACRES SEGREGATED

- NDOM IS A COOPERATING AGENCY
- BLM PREPARING FOR PUBLIC SCOPING
- THERE ARE SEVERAL MINING CLAIMS IN THE PROJECT AREA(572)
- PROJECT AREA ALSO FALLS IN SAGE-GROUSE PHMA



# ESMERALDA 7 – 62,300 ACRES SEGREGATED

- WILL CONSIST OF 7 SOLAR FACILITIES WITH BATTERY ENERGY STORAGE SYSTEMS
- BLM HAS PUBLISHED SCOPING REPORT
- THERE ARE SEVERAL MINING CLAIMS IN THE PROJECT AREA(787)
- TWO AUTHORIZED NOTICES

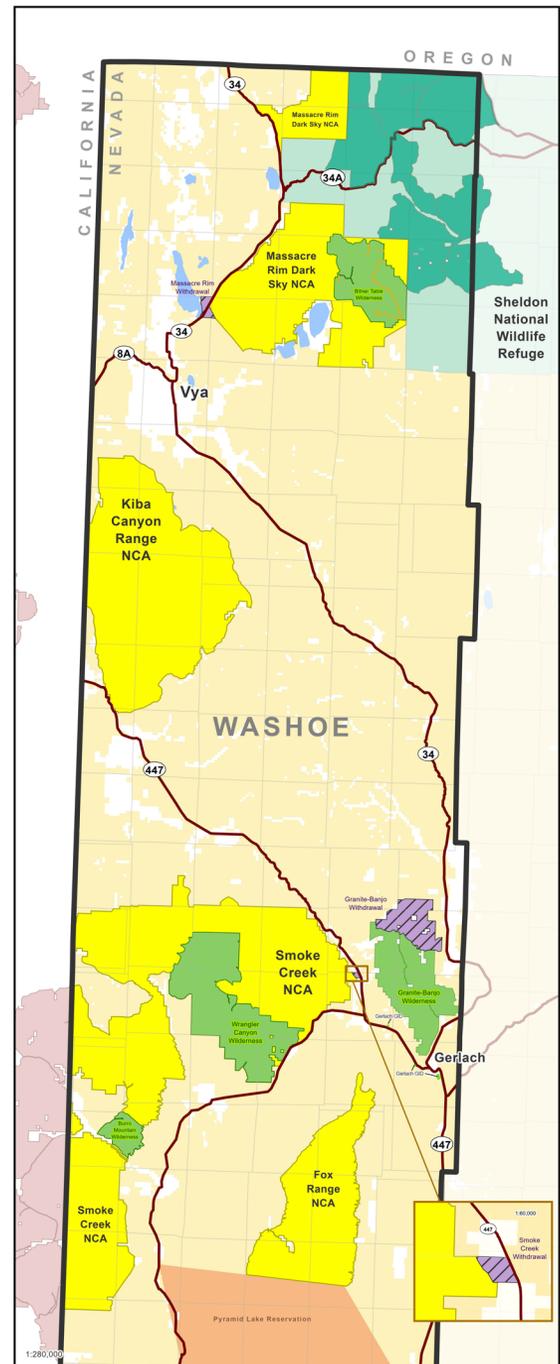
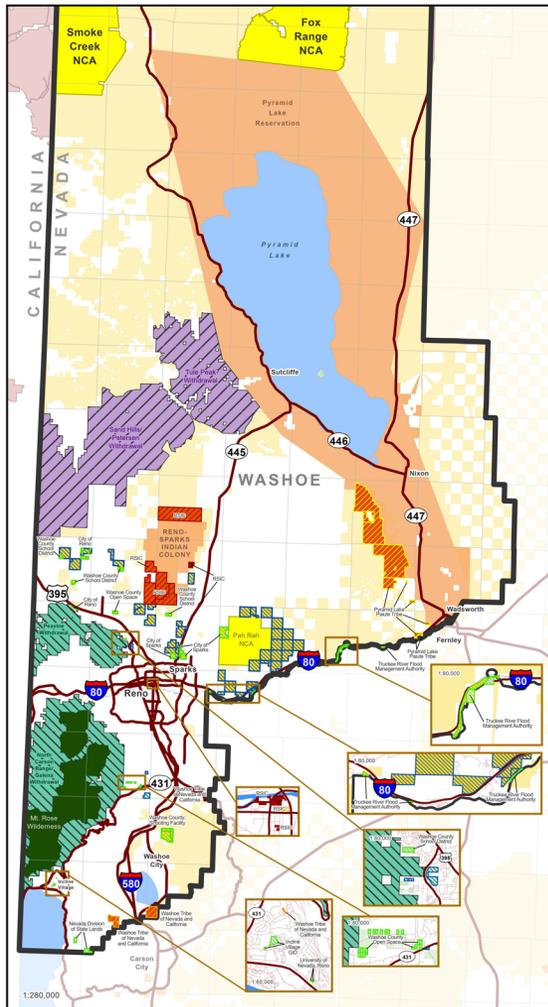
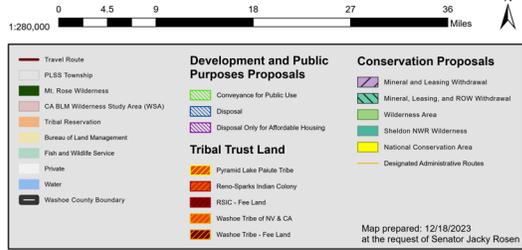




## NYE COUNTY MORATORIUM

- ROB AND SEVERAL OTHERS GAVE COMMENT AT DECEMBER NYE COUNTY COMMISSION MEETING
- COMMISSION SAID THAT WAS NOT THEIR INTENT TO PUT A MORATORIUM ON ALL DRILLING IN NYE COUNTY AND TOSSED IT OUT (LITERALLY)
- NYE COUNTY SUBMITTED LETTER TO BLM TO INCREASE THE ASH MEADOWS ACEC BOUNDARY TO PROTECT GROUND WATER

# Truckee Meadows Public Lands Management Act: Proposed Development and Conservation



## TRUCKEE MEADOWS PUBLIC LANDS MANAGEMENT ACT

- 1,053,895 acres proposed for withdrawal within the act including wilderness and NCA designations
- NCA's and wilderness overlap existing WSA designations but not entirely
- It is not clear if WSAs become NCA/WSA and if the "leftover" WSA designations stay "as is". There is no specification of any WSA release (but read this again)

THANK YOU



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# Commission on Mineral Resources

## 2024 Quarterly Meeting Schedule Options

### **May 2024**

Location: Carson City, Nevada State Museum

Date Options: May 7-10<sup>th</sup>, 13<sup>th</sup>-17<sup>th</sup>

Preferred Dates May 9<sup>th</sup> or 16<sup>th</sup>

Tour Options: Nevada State Museum and Childrens Museum

### **August 2024**

Location: Rural NV, Elko or Winnemucca

Date Options: August 1<sup>st</sup>, 2<sup>nd</sup>, 8<sup>th</sup>, 9<sup>th</sup>, 12<sup>th</sup>-16<sup>th</sup>

Preferred Dates August 1<sup>st</sup>, 8<sup>th</sup>, or 15<sup>th</sup>

Tour Options: TBD

### **November 2024**

Location: Reno/Carson City area

Date Options: November 4<sup>th</sup>-8<sup>th</sup>, 13<sup>th</sup>-15<sup>th</sup>, 18<sup>th</sup>-22<sup>nd</sup>

Preferred Dates November 7<sup>th</sup> or 14<sup>th</sup>

Tour Options: Lithium America facility, battery recycling facility, other

## **VI. COMMISSION BUSINESS**

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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/>



**JOE LOMBARDO**  
 Governor

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

**Robert Ghiglieri**  
 Administrator

**EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS**  
**October 2023**

**Legislation, Industry, and Public Relations:** The Division helped host and held a booth at the International Mine Closure Conference in Sparks Nevada. The Administrator gave a keynote speech on mining in Nevada and chaired a technical session. Over 400 attendees from over 20 countries attended the conference and it was the first time is having been held in the United States. Multiple conversations and meetings were held with other countries that had similar mining activities and Abandoned Mine Lands programs. The Division assisted in the after-conference tours one going to the Anaconda mine in Yerington where NDEP gave an overview of their accomplishments onsite and another tour to Virginia City and the Forman Shaft that was a part of the 2023 NAAML National AML Hardrock award. The Division hosted the University of Texas, Austin and Colorado School of Mines on a geothermal tour of Nevada to include plants in Humboldt, Pershing, Washoe and Churchill counties. These tours are to assist in the development of a training for geothermal regulators across the nation.

**Abandoned Mine Lands (AML):** The AML Program surpassed 25,000 AML hazards inventoried in Nevada since 1987. The staff completed a biannual hazard notification mailout addressing unsecured hazards on lands that appear to have an owner. Correspondence with the owners is ongoing. Continued to work on NEPA approval for five hard closure projects.

End-of-October AML statistics:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,010	20,901	83%
2023 To Date	288	468	195%

**Fluid Minerals:** Six observation well geothermal permits and one project area permit were issued in October; three geothermal sundries were processed. Five geothermal drilling rigs remained active in October. Four well inspections occurred at Soda Lake and Star Peak. Fiscal year-to-date inspection status:

FY 2024 Well Inspections	Total Wells	Wells Needed for FY24 (1/3 of total)	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (20 Locations)	480		72		
Oil (23 Locations)	122		0		
Totals	608	201	110	54%	92

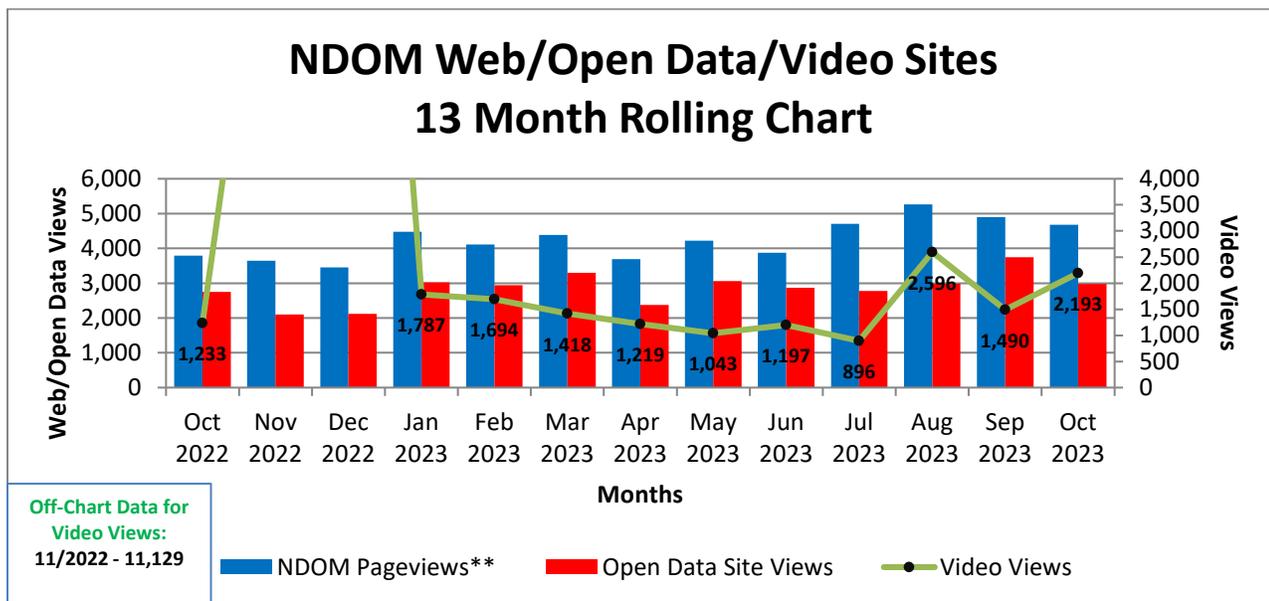
**Reclamation Bond Pool:** No new Bond pool activity in October.

Reclamation Bond Pool Status Report		Current to: 11/1/2023						
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.01%		\$84,036.27	\$33,262.23	71.9%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.54%		\$7,328.32	\$19,370.51	182.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	2.46%		\$33,715.62	\$174,376.02	312.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.86%		\$233,171.91	\$310,389.88	126.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	1.69%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	3.70%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.88%		\$39,615.03	\$53,665.35	119.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.19%	>45 days past due	\$238,536.99	\$222,666.01	105.0%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$668,411.00</b>	<b>24.64%</b>	<b>46 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$2,712,545.39</b>					
<b>Cash in Pool's Account (From BSR - 9/29/2023)</b>			<b>\$3,553,333.31</b>					
<b>Unfunded Amount</b>			<b>-\$840,787.92</b>					
<b>Percent funded</b>			<b>131.0%</b>					

**Minerals Education and Outreach:** Staff presented to over 800 individuals throughout various venues including conferences, career fairs and schools. There were over 2,000 educational video views via the Division’s open data site and YouTube channel.

**Website/Open Data Site Activity:**

Period	NDOM Website Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Oct 2023	4,900	MiningClaims, Home, Geo Home, MiningStockCert, and Mining Home	3,747	1,490
Oct 2022- Oct 2023	68,349		36,591	47,036



**Financial, Personnel, and Safety:** The reserve balance at the end of September was \$2,715,508. Recruitment for the Project Manager, Field Specialist, and Program Officer II is ongoing. There were no work safety incidents in October.

## **MONTHLY ACTIVITY REPORTS**

### **Administrator (Rob Ghiglieri):**

1. Assisted in the coordination and execution of the International Mine Closure Conference where over 400 attendees from over 20 countries participated in nearly 120 technical sessions. I also chaired a session, was a plenary speaker, and led a field trip to Virginia City and the Forman Shaft.
2. Attended the Mackay Advisory Board Meeting.
3. Presented three companies awards for the Nevada Excellence in Mine Reclamation at the Nevada Mining Association annual conference.
4. Assisted Dustin in one of the two days of tours to Nevada Geothermal plants with the TopEnergy team. Attendees consisted of people from the University of Texas, Austin, Colorado School of Mines, NBMG, and NDOM.
5. Continued the recruitment process for a Field Specialist Position to backfill Lucia's old role, a new Project Manager position to fill Garrett's old role, and a Program Officer II position to backfill Valerie's departure.
6. Answered questions by the public on Geothermal and Lithium brine co-location areas.
7. Met with the Nature Conservancy to discuss geothermal projects in Nevada to use for Direct Carbon Capture facilities.
8. Participated as a cooperating agency in the Sage Grouse Amended Resource Management Plan Amendment (ARMPA).

### **Deputy Administrator (Garrett Wake):**

1. Represented Nevada along with L. Patterson at the Interstate Mining Compact Commission (IMCC) annual meeting in Bozeman, MT.
2. Travelled to Carson City for two days to cover the office while the Administrator was on leave and meet with ASD fiscal staff.
3. Provided one presentation to the Friends of Nevada State Museum on the Nevada Mineral Industry and Dangers of Abandoned Mines; approximately 30 people attended the presentation.
4. Assisted the Division Administrator with interviewing several candidates for three open positions.
5. Continued to handle the Division's financial and accounting duties until the Program Officer II position is filled and that person is fully trained.
6. Managed the Division's Reclamation Performance Bond Pool. Currently reviewing the Pool's past records, completing the quarterly reconciliation/audit, and becoming more knowledgeable about all aspects of the Bond Pool.
7. Participated in meetings with the Nature Conservancy and University of Pennsylvania regarding geothermal & direct-air carbon capture, the Northern Nevada Children's Museum director, ASD budget staff, Broadbent SOSA team monthly meeting, and GOED trade mission meeting.

#### October 2023 Bond Pool activities:

- a. No new bonds. No increases or decreases to existing bonds.
- b. Dun Glen Mining is more than 30-days past due on their quarterly premium payment of \$2,196.20. Their bond is currently 105% funded. If payment is not received by December 7, 2023, they risk forfeiture of their deposit of \$238,536.99 and up to an additional \$222,666.01 in premiums.

Reclamation Bond Pool Status Report		Current to: 11/1/2023						
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.01%		\$84,036.27	\$33,262.23	71.9%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.54%		\$7,328.32	\$19,370.51	182.3%
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SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.86%		\$233,171.91	\$310,389.88	126.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	1.69%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	3.70%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.88%		\$39,615.03	\$53,665.35	119.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.19%	>45 days past due	\$238,536.99	\$222,666.01	105.0%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$668,411.00</b>	<b>24.64%</b>	<b>46 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$2,712,545.39</b>					
<b>Cash in Pool's Account (From BSR - 9/29/2023)</b>			<b>\$3,553,333.31</b>					
<b>Unfunded Amount</b>			<b>-\$840,787.92</b>					
<b>Percent funded</b>			<b>131.0%</b>					

**Chief, Abandoned Mine Lands Program (Sean Derby):**

1. Completed AML survey and ground truthing of 58 sites at the Caselton hard closure project area.
2. AML staff completed biannual hazard notification mailout addressing unsecured hazards on public and private lands. AML staff continue to correspond with claimants to track compliance and answer questions or provide further information.
3. AML staff provided SOSA PSA content to OSMRE to share on agency social media and upload to OSMRE home page.
4. Gave updates to BLM and USFS on hard closure survey progress and project timeline estimates for FY24.
5. AML staff met with SCAT's to get feedback on safety program enhancement concerning the AML summer intern program.
6. Anticipated hard closures projects with completed NEPA compliance and pending CX or CE approval include Olinghouse in Washoe County, Montana Station in Nye County, Aurora in Mineral County, Ely 10 Mile in White Pine County, and Frieberg in Lincoln County.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,010	20,901	83%
2023 To Date	288	468	195%

**GIS/ Field Specialist (Lucia Patterson):**

1. Compiling the Major Mines Publication, submitted final drafts to NBMG.
2. Updated mining claims data.
3. Attended and presented at the NMEC annual meeting.
4. Attended the NMA quarterly environmental meeting in Winnemucca.
5. Met with the Childrens Museum of Northern Nevada to discuss potential collaborative projects between NDOM and the latter.
6. Attended the Mine Closure Conference in Montana.
7. Started creating quarter sections and modifying scripts to plot the data on a quarter section basis.
8. Updated notice and plan data on the open data site.
9. Presented minerals and mineral uses for the Bethlehem Lutheran Science Club.
10. Prepared for and attended the Carson City Boonanza event.

11. Created maps showing 2023 OGG activity in Nevada.

**AML/Fluid Minerals Field Specialist (Peter Engh):**

1. Caselton AML Project in Pioche
  - a. Met with the BLM to discuss our Hard Closure Project site in Pioche and determine the next steps in the project.
  - b. Revisited Pioche to finish site inventories for the project.
  - c. Performed drone flights of the area
  - d. Refined the project list
  - e. Worked with stakeholders to determine land ownership in the Caselton project
2. Attended the Geothermal Rising Conference in Reno and learned more about the geothermal industry landscape in Nevada and globally.
3. Attended the International Mine Closure Conference in Sparks
4. Presented on the internship program for the Mine Reclamation class at Western University in order to expand the intern applicant pool
5. Executed the fall mailout and conversed with stakeholders on securing hazards on private land
6. Continued data entry from the summer intern program.
7. Assisted the fluid minerals manager by performing data entry for geothermal reports

**Fluid Minerals Program Manager (Dustin Holcomb):**

1. Manned the NDOM booth at the Geothermal Rising Conference and attend many of the technical sessions.
2. Complete Wilderness First Aid training
3. Coordinate and execute a tour, for TOPCORP instructors, of some of Nevada’s geothermal plants
4. Inspect wells at Star Peak and Soda Lake geothermal plants, while on the Topcorp tour.
5. Respond to several inquiries for general data on geothermal, oil, and gas wells
6. Approve a new project area and 6 new observation wells for Ormat
7. Provide data to an inquiry of Scott Federal 35-1 oil well
8. Process 3 sundries for geothermal wells
9. Meet with a representative Enel to discuss the state of Salt Wells and Stillwater prior to Ormat’s acquisition.
10. Meet with Ormat to discuss the state of UIC permitting and what issues they may have.
11. Help build the “Dangerous Mine” booth for the “Boonanza” event, in Carson City
12. Enter the operator monthly oil and gas reports into the database and delegate the entry of geothermal reports

<b>FY 2024 Well Inspections</b>	<b>Total Wells</b>	<b>Wells Needed for FY24 (1/3 of total)</b>	<b>Wells Inspected</b>	<b>% of Total Needed</b>	<b>Wells Remaining</b>
<b>Geothermal (20 Locations)</b>	486		4		
<b>Oil (23 Locations)</b>	122		0		
<b>Totals</b>	608	202	110	54%	92

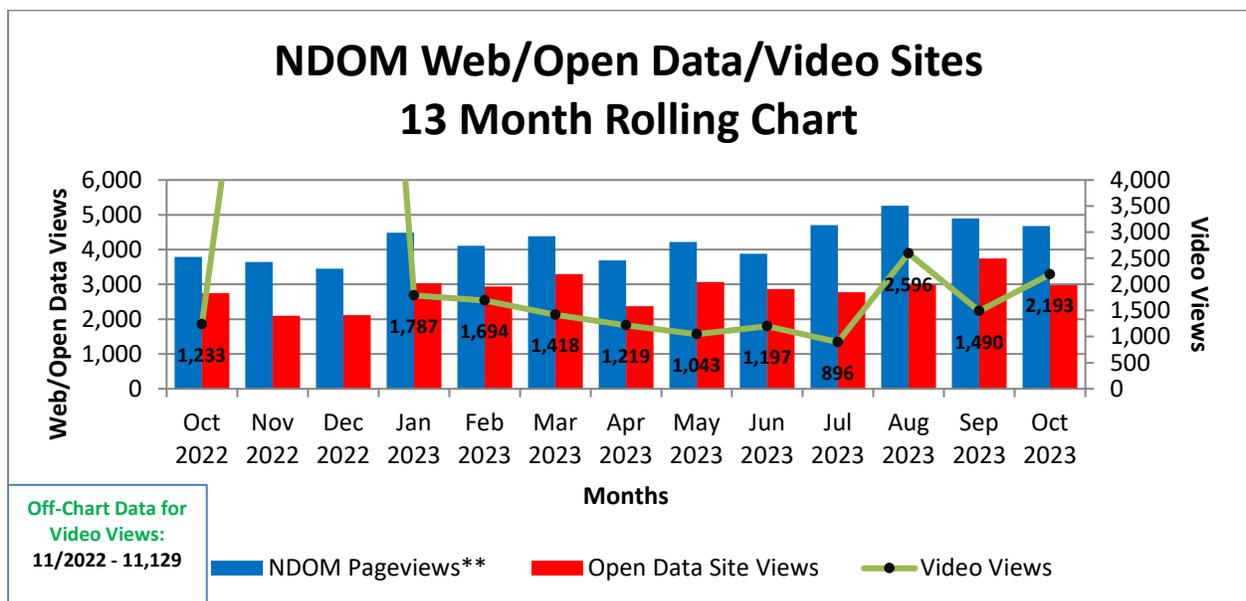
**AML/Public Outreach – Southern Nevada Programs Manager (Vacant):**

**AML/Public Outreach and Education – Southern Nevada Field Specialist (Carol Shelton):**

1. Attended the 3-day Risk Management Health and Safety Conference in Mesquite, NV
2. Attended 3-day SCATS Instructor Development Program to better my ability to impart knowledge to others.
3. Attended Career Day at Simmons and Dean Allen Elementary Schools and spoke to approximately 500 students. Topics included mining, minerals, mining in Nevada and AML.
4. Developed detailed outline of topics to be included in the health and safety plan for AML field activities. Populated several sections by identifying the requirements to control or mitigate hazards while conducting field work.
5. Met with a Nevada SCAT consultant on our Written Safety Program and the need to better address our health and safety risk when conducting field activities. The meeting was attended by the AML Chief, Sean Derby, and the NDOM Deputy Administrator, Garrett Wake. An outline identifying hazards associated with field work was reviewed and determined to appear complete. However, to ensure completeness, we were advised to conduct a formal risk assessment and include the Risk Assessment Matrix in our Written Safety Program which will serve to document our due diligence regarding identification and mitigation of workplace hazards when conducting field work.

**Website Activity:**

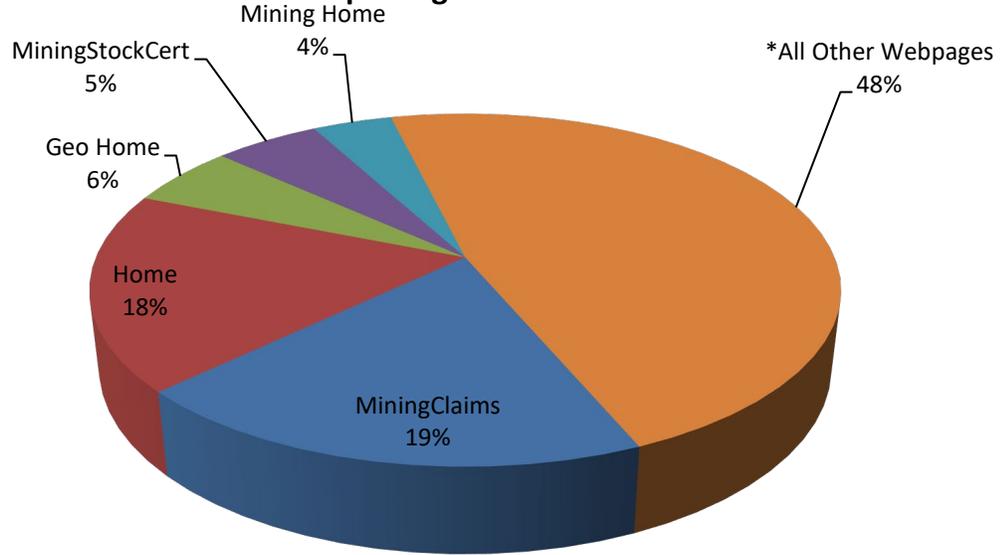
Period	NDOM Website Pageviews	NDOM Website Unique Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Oct 2023	4,674	0	MiningClaims, Home, Geo Home, MiningStockCert, and Mining Home	2,975	2,193
Oct 2022- Oct 2023	67,495	0*	*Unique View Stats are No Longer Available	37,027	47,610



July 2023 stats going forward represent "Page View Stats" which include multiple views of the same webpage; Unique Pageview Stats is no longer available. Numbers will be higher

\*\* than normal.

### NDOM Website - Top 5 Page Views for October 2023



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

#### Top Visitors

Oct-2023	Country	United States, Canada, United Kingdom, Australia, and France/Indonesia
	State	Nevada, California, Washington, Texas, and Colorado
	City	Reno, (unknown), Las Vegas, Los Angeles, and San Jose

	<u>Video Views in October 2023</u>	<u>Top 5 Video Views</u>	<u>Dist</u>	<u>No.</u>	<u>So.</u>
			<u>Learn</u>	<u>NV</u>	<u>NV</u>
			<u>Trkr #</u>	<u>45%</u>	<u>55%</u>
			<u>of</u>		
			<u>Classes</u>		
Without Jimmy King Videos	1,664	1) The Basics of Mineral Identification; 2) Mining in Nevada - 18:22 mins. (both videos); 3) Weathering & Erosion Part 1; 4) SOSA 2021 Full; and 5) A General Overview... Earth and Nevada Geological History	67	30	37
With Jimmy King Videos	2,193	1) The Basics of Mineral Identification; 2) JK-KOBI Full Video; 3) Mining in Nevada - 18:22 mins. (both videos); 4) Weathering & Erosion Part 1; and 5) SOSA 2021 Full	88	40	48

\*\*Video views for Jimmy King KOBI are from the NDOM YouTube site only\*\*



**JOE LOMBARDO**  
 Governor

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

**Robert Ghiglieri**  
 Administrator

**EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS**  
**November 2023**

**Legislation, Industry, and Public Relations:** The Division continued its participation in both the Fallon Range Training Complex (FRTC) Intergovernmental Executive Committee (IEC) and the BLM Sage Grouse Amended Resource Management Plan Amendment (ARMPA). The agency finalized its first Strategic Plan and received unanimous approval from the Commission on Mineral Resources. The Administrator met with the Nevada Independent to assist in an article focusing on Abandoned Mines in Nevada. The article is anticipated to be published in January. The Division was able to update its [open data website](#), to include mining claim information down to the quarter section.

**Abandoned Mine Lands (AML):** Correspondence with the claimants from the biannual AML hazard mailout is ongoing. AML Staffed continued to work with the BLM and USFS on NEPA approval for five hard closure projects and received approval for the Montana Station project. Two winter interns were hired to work late December – mid-January, and the summer internship recruitment was started.

End-of-November AML statistics:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,010	20,901	83%
2023 To Date	355	468	131%

**Fluid Minerals:** Three geothermal and one oil sundries were processed. Four geothermal drilling rigs remained active in November. Fiscal year-to-date inspection status:

	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in November	# of Wells Inspected in FY24	Wells Remaining
Geothermal	486	162	0	110	162
Oil	122	41	0	0	41
Totals	608	203	0	110	203

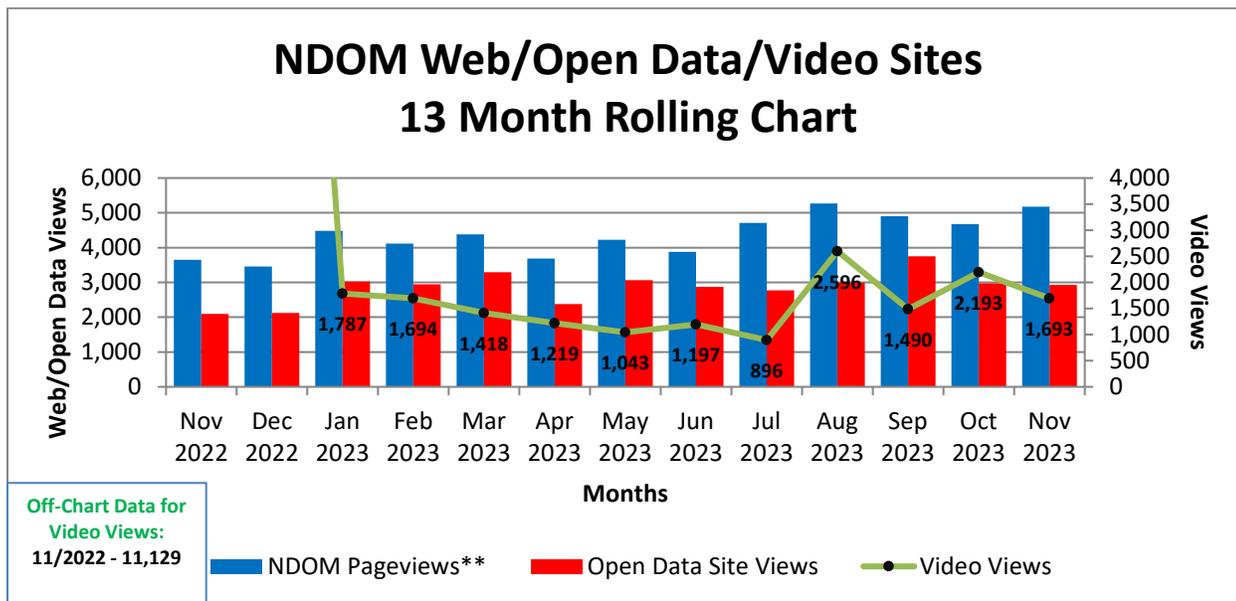
**Reclamation Bond Pool:** One notice level bond increase in November.

Reclamation Bond Pool Status Report			Current to: 12/1/2023					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.01%		\$84,036.27	\$33,262.23	71.9%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.54%		\$7,328.32	\$19,370.51	182.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	2.46%		\$33,715.62	\$174,376.02	312.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.84%		\$233,171.91	\$310,389.88	126.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	1.69%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	3.70%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.88%		\$39,615.03	\$53,665.35	119.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.18%		\$238,536.99	\$224,862.21	105.5%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$670,813.00</b>	<b>24.71%</b>	<b>46 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$2,714,907.39</b>					
<b>Cash in Pool's Account (From BSR - 12/1/2023)</b>			<b>\$3,585,829.58</b>					
<b>Unfunded Amount</b>			<b>-\$870,922.19</b>					
<b>Percent funded</b>			<b>132.1%</b>					

**Minerals Education and Outreach:** Staff presented to over 1,600 individuals throughout various venues including conferences, career fairs and schools. There were over 1,600 educational video views via the Division’s open data site and YouTube channel. The Fluid Mineral Program manager gave a presentation on the State of Nevada’s fluid mineral activities, at the Nevada Petroleum and Geothermal Society.

**Website/Open Data Site Activity:**

Period	NDOM Website Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Nov 2023	5,180	Home, Mining Claims, Data Home, Geo Home, and Oil/Gas Home	2,925	1,693
Nov 2022- Nov 2023	67,484		37,205	48,070



**Financial, Personnel, and Safety:** The reserve balance at the end of November was \$2,595,866. The Division hired three positions: a Project Manager, Field Specialist, and Program Officer II. The agency is now fully staffed. There were no work safety incidents in November.

## MONTHLY ACTIVITY REPORTS

November 2023

### **Administrator (Rob Ghiglieri):**

1. Hired Keith Hayes as the Project Manager starting November 13<sup>th</sup>, Crystal Cruson as the Program Officer II starting November 27<sup>th</sup>, and Rick Kauffman as the Field Specialist starting December 4<sup>th</sup>.
2. Met with Ormat and discussed ongoing projects and permits.
3. Created and presented the Commission a NDOM Strategic Plan as requested by the Governor's Office. The Commission approved the plan as written at the November 8<sup>th</sup> CMR meeting and was provided to the Governor's office the following week.
4. Attended an IMCC virtual meeting to discuss their Hardrock Mining Policy and Hardrock Good Samaritan Legislation.
5. Met with the Interim Legislative Council Bureau for the Joint Interim Standing Committee on Natural Resources and its subcommittee on Public Lands.
6. Continued with my Certified Public Manager course.
7. I was interviewed by the Nevada Independent on the Agencies AML program and toured the Forman Shaft.
8. Attended the Fallon Range Training Complex (FRTC) Intergovernmental Executive Committee (IEC) quarterly meeting in Sparks.
9. Met with IMCC and OEPC to discuss the Abandoned Hardrock Mine Reclamation (AHMR) program and the state grants.
10. Garrett and I participated as panelists for a mining virtual event called "Silver State to Energy State: Nevada's Lithium Revolution."
11. Participated as a cooperating agency in the Sage Grouse Amended Resource Management Plan Amendment (ARMPA).

### **Deputy Administrator (Garrett Wake):**

1. Participated as a panelist in an hour long live-streamed discussion on Nevada's role in the production of lithium.
2. Completed the one-week Practitioner Conversations segment as part of the Nevada Certified Public Managers course.
3. Trained Crystal Cruson/POII on the Division's financial accounting and accounts receivable/payable processes.
4. Attended a quarterly Commission on Mineral Resources meeting held in Eureka, Nev.
5. Updated the Division's out-of-state travel projections.
6. Completed the 2023 Fall semester of the virtual All About Mining: Mining for a STEM Education course. Four participants enrolled in the course and two completed the course for credit.
7. Managed the Division's Reclamation Performance Bond Pool.
8. Participated in the following meetings: Broadbent (RAMS) SOSA Database, PDAC committee, GOED collaboration, Nevada State Museum/mining education, City of Beatty/nearby mining & exploration, and Bond Pool database construction.

November 2023 Bond Pool activities:

- a. No new bonds.
- b. One notice level bond increase.

Reclamation Bond Pool Status Report		Current to: 12/1/2023						
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.01%		\$84,036.27	\$33,262.23	71.9%
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<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$670,813.00</b>	<b>24.71%</b>	<b>46 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$2,714,907.39</b>					
<b>Cash in Pool's Account (From BSR - 12/1/2023)</b>			<b>\$3,585,829.58</b>					
<b>Unfunded Amount</b>			<b>-\$870,922.19</b>					
<b>Percent funded</b>			<b>132.1%</b>					

**Chief, Abandoned Mine Lands Program (Sean Derby):**

1. AML staff submitted CX requests to the BLM for three hard closure projects in Nye, Lincoln, and Humboldt Counties seeking permanent securing of 107 sites total.
2. AML staff received a CX approval to complete hard closure work at the historic Montana Station cultural site in Nye County. Closures are scheduled for December 2023.
3. AML staff continue to correspond with claimants from the biannual mailout to track compliance and answer questions and provide further information when requested.
4. AML staff tasked EPS with inventory and site confirmation work resulting from two helicopter survey missions conducted in Washoe, Pershing, Humboldt, and Lyon counties. Inventory work is scheduled to begin in December 2023.
5. AML staff hired two previous interns for the 2023 -2024 Winter Intern season and complete site selection and initial planning for inventory work beginning on January 2, 2024.
6. AML staff began recruiting efforts for the 2024 Summer Intern field season with career fair attendance and outreach to regional universities.
7. AML staff attended Zephyr Cover elementary school STEM Night providing AML awareness activities and giveaways.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,010	20,901	83%
2023 To Date	355	468	131%

Hard Closure Project Pipeline			
Project Name	Wildlife Survey Complete	Cultural Survey Complete	CX/CE Approval
Olinghouse	X	X	Pending BLM
Nelson	X	X	Pending BLM
Searchlight	X	X	Pending BLM
Egan Canyon	X	X	Pending BLM
Aurora II	X	X	Pending USFS

**GIS/ Field Specialist (Lucia Patterson):**

1. Completed and published mining claims per quarter section.
2. Modified online maps to make everything work with new quarter section mining claim data.
3. Updated AML process for “official” deployment of Field Maps for Winterners.

4. Updated solar, wind and transmission online data.
5. Set Keith up on the computer and with some ESRI training.
6. Spent a day training Sean and Peter on the field maps workflow.
7. Updated AML field collection scripts to work with new workflow.
8. Update mining claim data.
9. Prepared for AEMA by making new mining claim and land withdrawal maps and packed and prepared for the booth.
10. Update land analysis application for use on mobile devices.
11. Answered mineral rights question received.
12. Participated in Sage-Grouse planning efforts.
13. Began R-M drive consolidation on assigned files.

#### **AML/Fluid Minerals Field Specialist (Peter Engh):**

1. Presented the 2023 AML update for the Commissioners meeting in Eureka NV
2. Submitted final mine closure reports to the BLM for Pine Nuts, Buckingham, and Twin Buttes hard closure projects.
3. Responded to Claimants requests for information about claims and unsecured hazards.
4. Finished submitting October Geothermal reports for the OGG program during the Program Officer vacancy.
5. Created a map on GIS for the BLM to further their understanding about our collaborative project in Caselton (Pioche).
6. Submitted CXs for Friedberg and Caselton areas to the BLM
7. Corresponded with a contractor about university of Oregon intern applicants
8. Gathered Quotes for a new Drone to further modernize our Drone Program and integrate more with ArcGIS
9. Learned the new methodology with ArcGIS Field Maps, taught by Lucia Patterson, for more effective and efficient field data collection.
10. Participated in a database cleanup project to shift from the M-Drive to the S-Drive while learning about past efforts by former Field Specialists.
11. Participated in the Zephyr Cove STEM night outreach event to teach grade school students about the hazards of abandoned mines.
12. Read and reviewed 8 different company proposals for the RFP process.

#### **Fluid Minerals Program Manager (Dustin Holcomb):**

1. Present on the State of Nevada's fluid mineral activities, at the Nevada Petroleum and Geothermal Society.
2. Meet with regulators from the Colorado Energy and Carbon Management Commission who were seeking input on their new deep geothermal regulations.
3. Process 4 sundries for geothermal and oil.
4. Participate in interviews of Program Officer II.
5. Monthly cooperative meeting with the BLM to ensure that the State and BLM fluid mineral programs are on the same page.
6. Meet with Ormat to discuss their programs for next year.
7. Participated in the Teachers Workshop committee meeting with NVMA.
8. Present at the Eureka Commission meeting on the status of the state's fluid mineral program and drilling operations.

9. Help train the new Program Officer II in the fluid mineral program.
10. Work with Program Officer to inventory and correct issues with the monthly production and injection reports.
11. Direct questions about geothermal heat-pumps to NDEP-BWPC-UIC program.

<b>FY 2024 Well Inspections</b>	<b>Total Wells</b>	<b>Wells Needed for FY24 (1/3 of total)</b>	<b>% of Total Needed</b>	<b>Wells Remaining</b>
<b>Geothermal (November inspections)</b>	486			
<b>Oil (November inspections)</b>	122			
<b>Totals (FY to date)</b>	608	202	54%	92

<b>Wells Drilled This Month</b>					
<b>Permit</b>	<b>Well</b>	<b>Operator</b>	<b>Field</b>	<b>Type</b>	<b>Status</b>
1558	27-22	Ormat	Pearl-EXP	Obs.	Shut-In
1560	44(33)-22	Ormat	Pearl-EXP	Obs.	Shut-In
1527	77-21	Ormat	MGH	Ind-Pro.	Shut-In
1561	82-21	Ormat	Pearl-EXP	Obs.	Shut-In

**AML/Public Outreach – Southern Nevada Programs Manager (Vacant):**

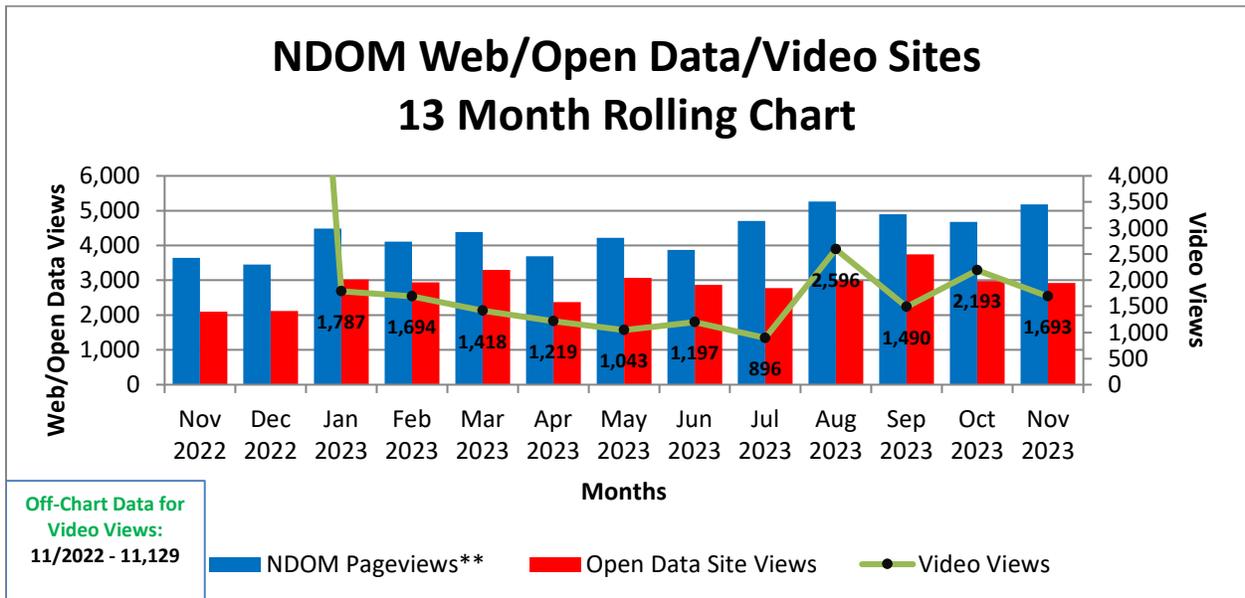
**AML/Public Outreach and Education – Southern Nevada Field Specialist (Carol Shelton):**

1. Conducted geoscience presentations at Mabel Hoggard ES for 35 students. Topics included mining, minerals, critical minerals, mining in Nevada, and AML.
2. Conducted three career day presentations. One at Vassiliadis ES to 1,100 students; Smith ES to 100 students; and Virgin Valley HS in Mesquite, NV to 50 students. Topics included mining, minerals, critical minerals, mining in Nevada, mining jobs in Nevada and AML.
3. Updated high school presentation to include specific jobs currently available on the Indeed.com app. Highlighted that many mining jobs require only a valid driver’s license.
4. Attended ArcPRO Essentials 3-day class which introduced techniques and best practices to map, manage, analyze, show data and use other GIS resources.
5. Continued work on the qualitative risk assessment for AML field activities. Once completed, a risk matrix will be developed to identify the probability and severity of health and safety risks which may occur during work in the field.
6. Cleaned up some files in the AML Safety folder on the M Drive and provided a matrix of changes made to Sean Derby in case he did not agree with the changes. Began cleanup of the Safety Program on the M Drive with material needing to be maintained moved to the Health & Safety Programs folder on the R Drive.

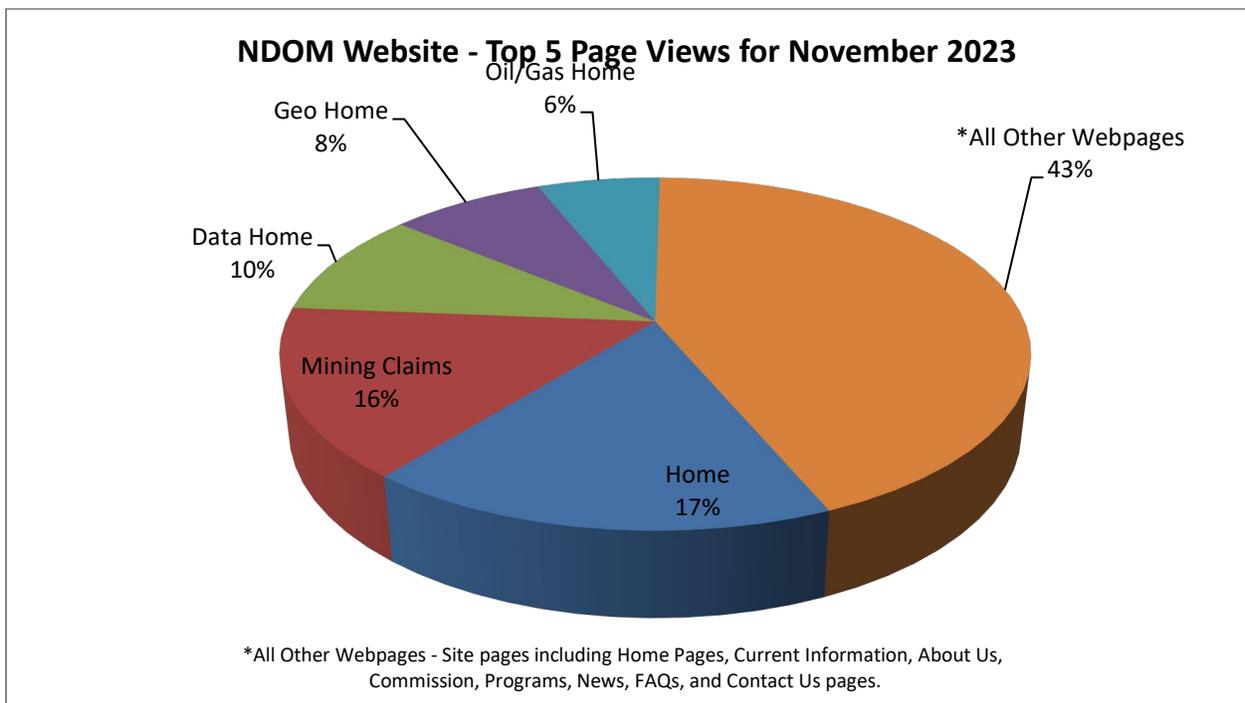
**Website Activity:**

<b>Period</b>	<b>NDOM Website Pageviews</b>	<b>NDOM Website Top 5 Pageviews</b>	<b>NDOM Open Data Site Views</b>	<b>NDOM Video Views</b>

Nov 2023	5,180	Home, Mining Claims, Data Home, Geo Home, and Oil/Gas Home	2,925	1,693
Nov 2022- Nov 2023	67,484	*Unique View Stats are No Longer Available	37,205	48,070



July 2023 stats going forward represent "Page View Stats" which include multiple views of the same webpage; Unique Pageview Stats is no longer available. Numbers will be higher than normal.



Top Visitors		
Nov-2023	Country	United States, Indonesia, Canada, Australia, and Ireland
	State	Nevada, California, Washington, Texas, and Colorado
	City	(unknown), Reno, Las Vegas, Los Angeles, and Carson City

	<u>Video Views</u> <u>in</u> <u>November</u> <u>2023</u>	<u>Top 5 Video Views</u>	<u>Dist</u> <u>Learn</u> <u>Trkr #</u> <u>of</u> <u>Classes</u>	<u>No.</u> <u>NV</u> <u>45%</u>	<u>So.</u> <u>NV</u> <u>55%</u>
Without Jimmy King Videos	<b>1,577</b>	1) The Basics of Mineral Identification; 2) Mining in Nevada - 18:22 mins. (both videos); 3) Weathering & Erosion Part 1; 4) Ore Deposits an Overview; and 5) Igneous Rocks	63	28	35
With Jimmy King Videos	<b>1,693</b>	1) The Basics of Mineral Identification; 2) Mining in Nevada - 18:22 mins. (both videos); 3) Weathering & Erosion Part 1; 4) Ore Deposits an Overview; and 5) JK-KOBI Full Video	68	31	37

**\*\*Video views for Jimmy King KOBI are from the NDOM YouTube site only\*\***



**JOE LOMBARDO**  
 Governor

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

**Robert Ghiglieri**  
 Administrator

**EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS**  
**December 2023**

**Legislation, Industry, and Public Relations:** The Division attended in the annual American Exploration and Mining Association conference in Sparks Nevada and hosted a booth to provide information to the attendees on Nevada mining related topics. As a cooperating agency in the Sage Grouse Resource Amendment Plan, the Division reviewed the 2,000+ page document in 14 business days and provided 68 comments with the primary focus on both locatable and leasable minerals.

**Abandoned Mine Lands (AML):** Performed a Request for Proposals (RFP) for AML contractors to cover all aspects of the program. Evaluations were completed in coordination with Purchasing, NDEP, and NDOW and qualified contractors were added to a Statewide Contract. Individual contracts will be negotiated in January and implemented in early 2024. AML Staffed continued to work with the BLM, NPS, and USFS on NEPA approval for five hard closure projects and received on categorical exclusion for the Olinghouse project in Washoe County. Two winter interns were onboarded for work in late December – mid-January. Their focus will be on field QAQC on upcoming AML closure projects.

End-of-December AML statistics:

	Hazards Inventoried	Hazards Secured	% Secured
Since 1987	25,010	20,901	83%
2023 To Date	355	468	131%

**Fluid Minerals:** Three geothermal drilling rigs remained active in December. Fiscal year-to-date inspection status:

	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in November	# of Wells Inspected in FY24	Wells Remaining
Geothermal	486	162	0	110	52
Oil	122	41	0	0	41
Totals	608	203	0	110	93

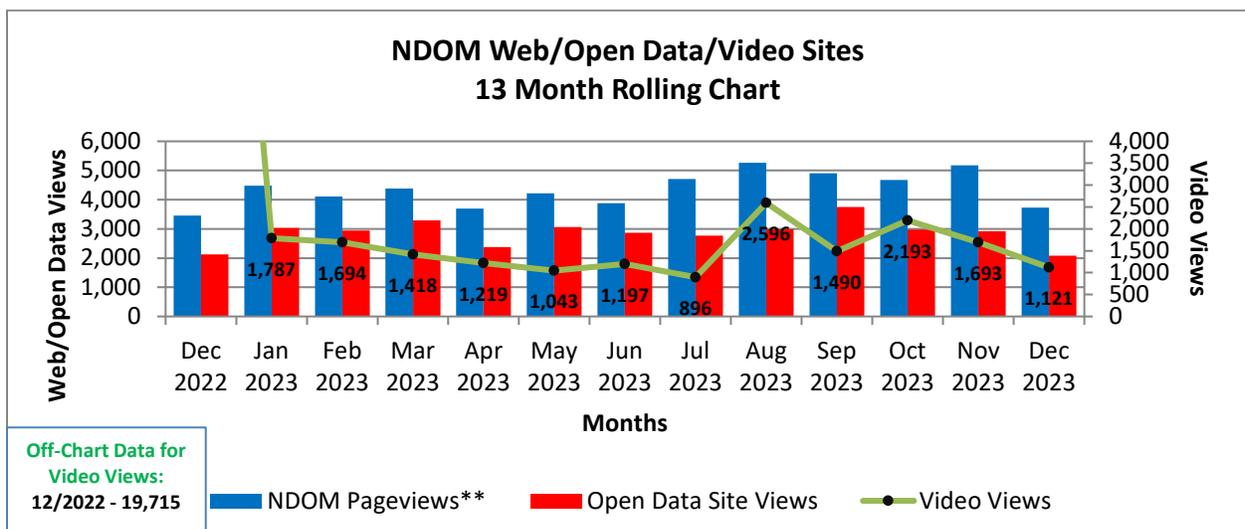
**Reclamation Bond Pool:** December bond pool activities: Completed the quarterly reconciliation report to the Controller’s office, mailed the quarterly and annual invoices on the December billing schedule, processed one notice-level increase, and submitted refund paperwork to ASD for one notice-level release and one notice-level decrease.

Reclamation Bond Pool Status Report			Current to: 1/1/2024					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Quartz Lake Mining	Red Rock Mill	8/16/2023	\$712,867.00	26.26%		\$406,706.14	\$23,676.88	60.4%
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.01%		\$84,036.27	\$36,901.44	74.2%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.54%		\$7,328.32	\$19,370.51	182.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	2.46%		\$33,715.62	\$174,376.02	312.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.84%		\$233,171.91	\$312,540.32	126.9%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	1.69%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	3.70%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.88%		\$39,615.03	\$53,665.35	119.3%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.18%		\$238,536.99	\$224,862.21	105.5%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$663,846.00</b>	<b>24.45%</b>	<b>46 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$2,714,907.39</b>					
<b>Cash in Pool's Account (From BSR - 12/1/2023)</b>			<b>\$3,631,690.92</b>					
<b>Unfunded Amount</b>			<b>-\$916,783.53</b>					
<b>Percent funded</b>			<b>133.8%</b>					

**Minerals Education and Outreach:** During calendar year 2023 the Division of Minerals Staff was able to perform 369 presentations reaching an estimated 50,000 members of the public. These presentations consist of in-classroom and virtual classroom at k-12 Nevada schools, trade shows, civic groups, career fairs, outdoor recreation activities, and other various events.

**Website/Open Data Site Activity:**

Period	NDOM Website Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Dec 2023	3,727	Home, Mining Claims, Mining Stock Cert, and Data Home	2,084	1,121
Dec 2022-Dec 2023	66,194	*Unique View Stats are No Longer Available	37,189	38,062



**Financial, Personnel, and Safety:** The reserve balance at the end of December was \$4,039,075. The Division is fully staffed with no personnel changes. There were no work safety incidents in December.

## **MONTHLY ACTIVITY REPORTS**

### **December 2023**

#### **Administrator (Rob Ghiglieri):**

1. Attended and represented NDOM at the American Exploration and Mining Association annual conference.
2. Participated as a cooperating agency in the Sage Grouse Amended Resource Management Plan Amendment (ARMPA).
  - a. Lucia and I were able to review the 2,000+ page DEIS and submit comments back to the BLM within 14 business days.
  - b. Director J.J. Goicoechea and I submitted a letter to BLM Director Stone-Manning requesting more time for cooperation agency review, but it had no effect.
3. Attended the quarterly State Environmental Commission meeting in Carson City. The Commission reviewed and approved various air permit fines.
4. Attended the quarterly Nevada Mining Association environmental committee meeting.
5. Drafted two Hardrock AML Good Samaritan Support letters. One letter was a Nevada focused letter that has been presented to Governor Lombardo for review and signature. The second letter was on behalf of the National Association of Abandoned Mine Lands Programs (NAAML P) for the NAAML P presidents review and signature. An anticipated hearing from the Senate Environment & Public Works committee is scheduled for mid-January.
6. Held a meeting with IMCC discuss Hardrock AML Good Samaritan Legislation.
7. To meet the requirements outlined in Executive Order 2023-003, NDOM and the Commission held the public workshop for NAC 534B updated. No public comment was given during the workshop.
8. Gave public comment during the Nye County Commissioner meeting on December 19<sup>th</sup> in Pahrump where they denied a proposed moratorium for banning lithium mining and exploration for 12 months within the County.
9. Met with Rich Perry, Richard Bartholet, and Justin Sutich who are involved with the Reno designation as a Tech Hub by the U.S. Economic Development Administration and helped explain and outline the need for mineral downstream processing and manufacturing her in Nevada. Rich Perry will be contributing to the group using NDOM resources for information.

#### **Deputy Administrator (Garrett Wake):**

1. Met with Matt Donaldson/NDEP-BMRR to review the BMRR permit application, tracking and payment database in preparation of beginning work on an overhaul of the NDOM bond pool and fluid minerals databases.
2. Travelled to Carson City for two days to meet with ASD staff, BMRR staff, and cover the NDOM office while the Administrator was at the AEMA conference.
3. Prepared data needed for the December bond pool premium reminder mailout. Processed bond pool payments as received. Completed the quarterly bond-pool reconciliation report.
4. Assisted Administrator Ghiglieri with filing required Department of Interior grant tracking documentation related to the AML program.
5. Participated in the final Certified Public Manager's session, a one-day course covering requirements for the final capstone report.
6. Participated in an evaluation committee meeting for the Statewide AML contract.
7. Completed a required in-person half-day "Violence in the Workplace" course.

8. Participated in the following additional meetings: Broadbent (RAMS) SOSA Database, NDOM quarterly staff meeting, NAC 534B regulation workshop, PDAC committee meeting and McCaw School of Mines board meeting.
9. December bond pool activities:
  - a. Completed quarterly audit.
  - b. Mailed quarterly and annual invoices on the December billing schedule.
  - c. Processed one notice-level increase.
  - d. Submitted refund paperwork to ASD for one notice-level release and one notice-level decrease.

December 2023 Bond Pool snapshot:

Reclamation Bond Pool Status Report		Current to: 1/1/2024						
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Quartz Lake Mining	Red Rock Mill	8/16/2023	\$712,867.00	26.26%		\$406,706.14	\$23,676.88	60.4%
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Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	1.69%	terminated	\$0.00	\$0.00	
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Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.18%		\$238,536.99	\$224,862.21	105.5%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$663,846.00</b>	<b>24.45%</b>	<b>46 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$2,714,907.39</b>					
<b>Cash in Pool's Account (From BSR - 12/1/2023)</b>			<b>\$3,631,690.92</b>					
<b>Unfunded Amount</b>			<b>-\$916,783.53</b>					
<b>Percent funded</b>			<b>133.8%</b>					

**Chief, Abandoned Mine Lands Program (Sean Derby):**

1. AML staff received CX approval for Olinghouse Historical Mine site in Washoe County. Work is scheduled to begin in March 2024.
2. EPS began hard closure work at the historic Montana Station cultural site in Nye County.
3. AML staff continue to correspond with claimants from the biannual mailout to track compliance and answer questions and provide further information when requested.
4. AML staff submitted annual progress reports and annual CRAC reports to the BLM.
5. AML staff hired two previous interns for the 2023 -2024 Winter Intern season and complete site selection and initial planning for inventory work beginning on January 2, 2024.
6. AML staff continued recruiting efforts for the 2024 Summer Intern field season with digital and in person outreach.
7. NDOM AML reviewed contract proposals encompassing all aspects of AML project work. Eight companies were awarded the opportunity to contract for the following scope of work: Bat Gates and Hard Closure, Wildlife Surveys, Cultural Surveys, Inventory and Safeguarding, Land Research / Database management, and Remediation Services.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,010	20,901	83%
2023 To Date	355	468	131%

Hard Closure Project Pipeline			
Project Name	Wildlife Survey Complete	Cultural Survey Complete	CX/CE Approval
Olinghouse	X	X	Approved
Nelson	X	X	Pending BLM
Searchlight	X	X	Pending BLM
Egan Canyon	X	X	Pending BLM
Aurora II	X	X	Pending USFS

### **GIS/ Field Specialist (Lucia Patterson):**

1. Completed and passed exam for the Registered Landman through the American Association of Professional Landmen.
2. Made maps and posters to present at the 2023 AEMA meeting.
3. Updated the Land Withdrawal Analysis application and made it usable on mobile devices.
4. Took the Applied Minerology course at AEMA, which was very insightful.
5. Attended AEMA in Sparks.
6. Assisted in training and getting our new employee Rick set up for his new job.
7. Attended the Sage-Grouse ARMPA revision meetings, reviewed and helped to submit comments on the DEIS.
8. Updated plan and notice data on the open data site.
9. Updated all Getac devices to Windows 11 to deploy field maps for winterers.
10. Attended the Smart from the Start consortium meeting.
11. Attended the monthly NMEC meeting.
12. Attended the quarterly NMA Environmental Committee meeting.
13. Answered several questions from phone calls received regarding mining claims and mineral rights.

### **Field Specialist (Rick Kauffman)**

1. Attended the AEMA and started the onboarding process, including computer and database setups.
2. Provided spatial data for public information requests.
3. Training and uploading of claim owner hazard site updates to SOSA.
4. Organized and researched CRAC forms for BLM reporting. This included the organization and QAQC of data and subsequent maps to complete to reports.
5. Created topo maps for the upcoming intern field work.
6. Trained on and worked on land research for the Manhattan mining district.
7. Created map and updated the report for the FY 2023 AML work on BLM Lands.

### **AML/Fluid Minerals Field Specialist (Peter Engh):**

1. Attended the annual AEMA meeting including being present for various talks as well as staffing the NDOM booth.
2. Met with the BLM to discuss the pipeline of hard closure projects on BLM land.
3. Executed a site selection process for two new hard closure projects: Virginia City Round II and Delamar
4. Attended the RFP meeting and offered detailed feedback on which contractors were qualified for various scopes of work.
5. Scheduled and attended a meeting with ESRI about their offerings of drone products. Rick Kaufman attended as well, and we discussed furthering our drone program.

6. Corresponded with Joe Westerlund at the Town of Tonopah about AML features within the town of Tonopah and avoidance measures for drilling water lines.
7. Helped train new hire and field specialist Rick Kauffman in Field Maps and Vehicle standards.
8. Input data from claimants after the fall mailout.
9. Onboarded winter interns and prepped them for the 3-week season in January.
10. Prepped vehicle for winter intern season.
11. QA/QC on Geothermal borehole permits.
12. Worked on the processes of submitting CRAC forms to the BLM for 2023.

**Fluid Minerals Program Manager (Dustin Holcomb):**

1. Attend the NEPA Training Short Course, before the start of the AEMA conference, to better understand the role of NEPA in the permitting process for drilling on public land.
2. Attend several AEMA technical talks with aspects pertaining to the fluid mineral industry.
3. Work with the new Program Officer II, Crystal Cruson, to get up to speed on all aspects of the fluid mineral program
4. Hold the monthly coordination meeting with the BLM Fluid Mineral team
5. Provide production and injection data from the SEM and STB geothermal fields to NDEP-BWPC-UIC.
6. Work with NBMG to provide requested well logs that were not in their database.
7. Plan for attending the NWRA Advanced Water Rights course, in Las Vegas, in January.
8. Review a plugging and abandonment plan for a well in the Blackburn Field.
9. Generated Nevada Oil Patch reports for publication on the Oil and Gas Program page
10. Begin to reconcile OGG bonding database, at operator’s behest
11. QA/QC the geothermal production and injection data for 2023
12. Generated the mailout for the annual geothermal fee invoices
13. Update the DMRE program page for all required reports
14. Cleanup OGG, DMRE, and IOGCC folders for move to final S: Drive

<b>FY 2024 Well Inspections</b>					
	<b>Total # of Wells</b>	<b># Wells Needed for FY24 (1/3 of total)</b>	<b>Wells Inspected in November</b>	<b># of Wells Inspected in FY24</b>	<b>Wells Remaining</b>
Geothermal	486	162	0	110	52
Oil	122	41	0	0	41
Totals	608	203	0	110	93

<b>Well Drilling Operations</b>					
<b>Permit</b>	<b>Well</b>	<b>Operator</b>	<b>Field</b>	<b>Type</b>	<b>Status</b>
1528	86(37-15)-16 ST1	Ormat	MGH	Ind-Pro.	Drilling
1564	62-27	Ormat	Whirlwind-Expl	Obs.	Drilling
1565	77(67)-27	Ormat	Whirlwind-Expl	Obs.	Shut-In

**Project Manager (Keith Hayes):**

1. Met with Alex Walden (NVMA) to discuss ways to advertise Teaching Workshops to Nevada teachers to increase participation.
2. Attended AEMA Annual Meeting, took a short course on U.S. Mining Law, attended various talks, and staffed NDOM booth.
3. Met with Rob Ghiglieri and Garrett Wake to discuss PDAC booth and registration.
4. Attended NAC 534B Regulation Workshop via Zoom.
5. Worked on an inventory of supplies for the Teaching Workshops.
6. Submitted a Contract Amendment to increase funding and extend the length of the media contract with Territory6.
7. Corresponded with Gina Hawkins and Katie Heazlett of Coeur Mining to discuss a possible tour of Lincoln Hill Exploration Project and Coeur Rochester Mine as part of the Teaching Workshop in Northern Nevada.
8. Updated Eventbrite pages for Northern and Southern Nevada Teaching Workshops
9. Corresponded with Nevada State Education Association, Washoe Education Association, and Clark County Education Association and arranged to have them distribute the Teaching Workshop digital flyer via the groups' social media accounts, websites, and all-member email.

**AML/Public Outreach and Education – Southern Nevada Field Specialist (Carol Shelton):**

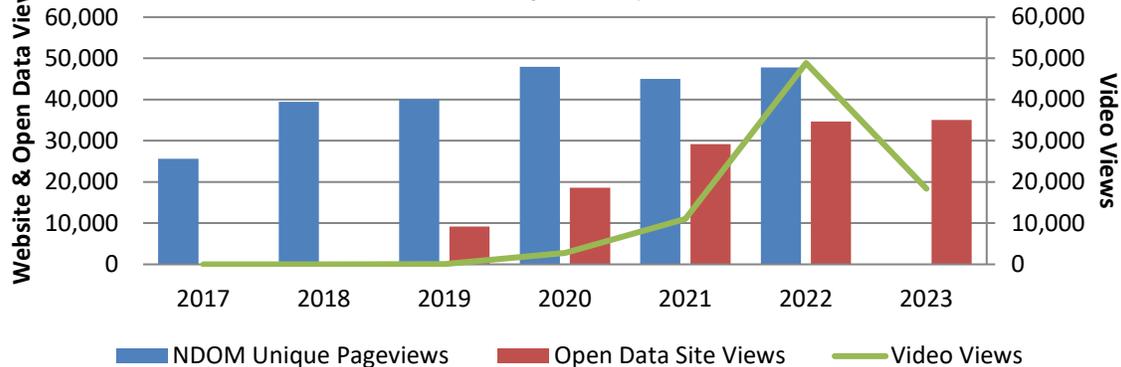
1. At the request of the Nevada Safety Consultation and Training Section, provided a copy of the lightning safety training deck that I developed. This training will then be incorporated into the contents of their statewide training program.
2. Reached out to past schools to offer our education and outreach programs.
3. Scheduled visits in 2024 with several schools.
4. Continued studying for the FAA remote pilot airmen certification.
5. Reached out to mines near Southern Nevada to see if they could support the Southern Nevada Teacher's Workshop by providing tours.
6. Attended the AEMA conference in Reno.

**Website Activity:**

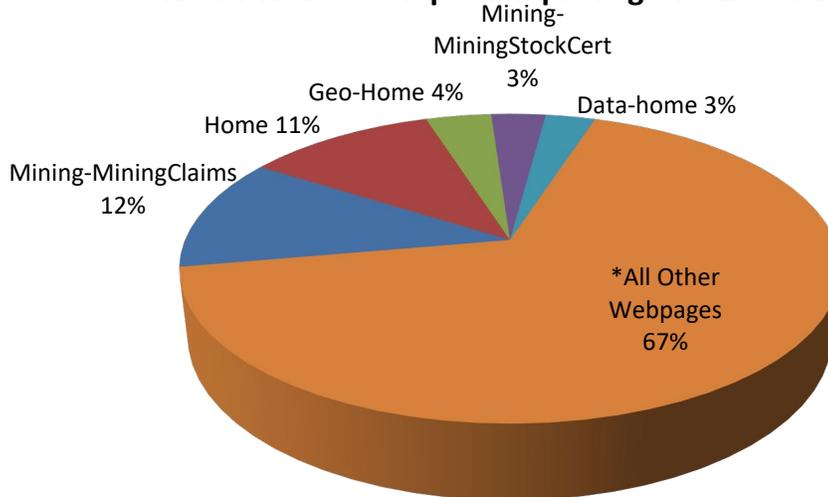
<b>Period</b>	<b>Pageviews</b>	<b>Top 5 Pageviews</b>	<b>Open Data Site Views</b>	<b>NDOM Video Views</b>
<b>2023</b>	61,591	Mining Claims, Home Page, Geo-Home, Mining Stock Cert, and Data-Home	35,068	18,347
<b>2017-2023</b>	<b>401,383</b>		<b>126,669</b>	<b>81,099</b>

## NDOM Website and Open Data Site Yearly Chart 2017-2023

(\*\*Partial Years: 2017 Website, 2019 Open Data Site, 2019 Video Views, & 2023 No Unique Views)



### NDOM Website - Top 5 Unique Page Views for 2023



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

#### Top Visitors

<b>2023</b>	Country	United States, Canada, Indonesia, Australia, and India
	State	Nevada, California, Washington, Texas, and Colorado
	City	(unknown), Las Vegas, Reno, Carson City, and Los Angeles

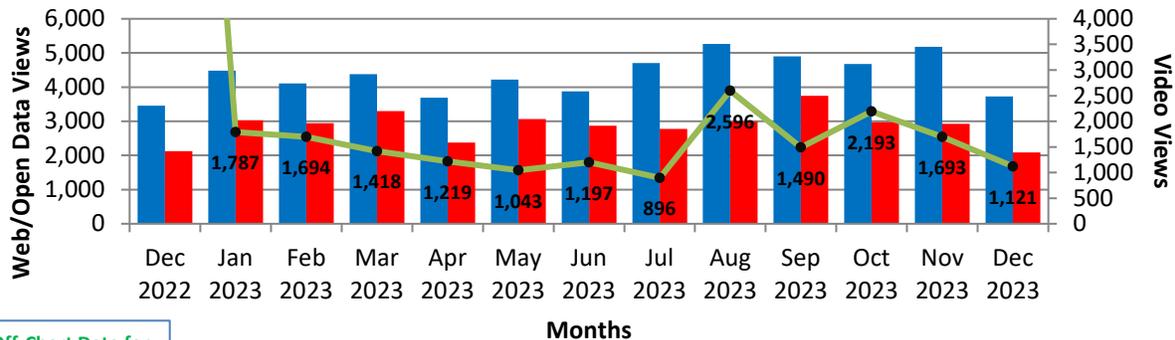
#### Top 5 Video Views

Number of Video Views 2023	Top 5 YouTube Video Views
<b>18,347 Video Views</b>	1) Mining in Nevada - 18:22 mins. (both videos; 2)The Basics of Mineral Identification; 3) APP_ Videos 50 ea Totaled Together; 4) JK-KOBI Full Video; 5) Ore Deposits an Overview; and 6) Weathering & Erosion Part 1

Period	NDOM Website Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Dec 2023	3,727	Home, MiningClaims, Mining Stock Cert, and Data Home	2,084	1,121

Dec 2022- Dec 2023	66,194	*Unique View Stats are No Longer Available	37,189	38,062
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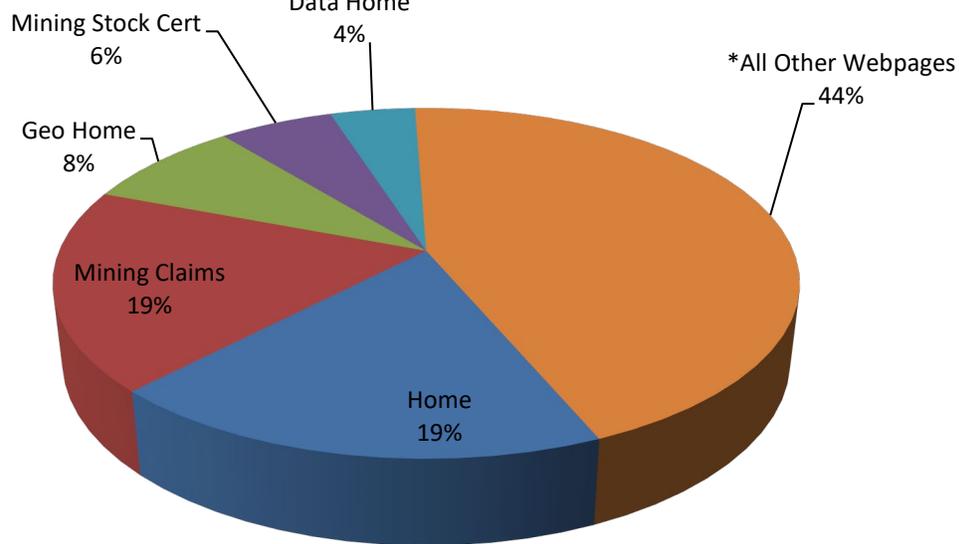
## NDOM Web/Open Data/Video Sites 13 Month Rolling Chart



Off-Chart Data for Video Views:  
12/2022 - 19,715

Legend: NDOM Pageviews\*\* (Blue Bar), Open Data Site Views (Red Bar), Video Views (Green Line with Dot)

### NDOM Website - Top 5 Page Views for December 2023



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

#### Top Visitors

Dec-2023	Country	United States, Canada, Indonesia, United Kingdom, and China/Germany
	State	Nevada, California, Washington, Colorado, and Texas
	City	Las Vegas, (unknown), Reno, Carson City, and Los Angeles

	Video Views in December 2023	Top 5 Video Views	Dist	No.	So.
			Learn	NV	NV
			Trkr #	45%	55%
			of		
			Classes		
Without Jimmy King Videos	998	1) Mining in Nevada - 18:22 mins. (both videos); 2) The Basics of Mineral Identification; 3) Ore Deposits an Overview; 4) Rock & Mineral Collecting, Land Status, & Mining Claims and Overview; and 5) A General Overview... Earth and Nevada Geological History.	40	18	22

With Jimmy King Videos	<b>1,121</b>	1) Mining in Nevada - 18:22 mins. (both videos); 2) The Basics of Mineral Identification; 3) Ore Deposits an Overview; 4) JK-KOBI Full Video; & 5) Rock & Mineral Collecting, Land Status, & Mining Claims and Overview.	45	20	25
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**\*\*Video views for Jimmy King KOBI are from the NDOM YouTube site only\*\***