

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
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<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:
Nevada State Museum
600 N Carson Street
Carson City, NV

Join Zoom Meeting

<https://us02web.zoom.us/j/2680420190?pwd=aENPZ0g0Y2pWRzBxKzk0b2xvK09QQT09&omn=84962346422>

Meeting ID: 268 042 0190

Passcode: NDOM

To Join the meeting via telephone dial +1 669 900 9128 US

Thursday May 16, 2024
1:00 P.M.

AGENDA

CALL TO ORDER

The agenda for this meeting of the Commission on Mineral Resources has been properly posted for this date and time in accordance with 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 February 15, 2024, meeting minutes

FOR POSSIBLE ACTION

III. NEW BUSINESS

- A. Review of Ongoing Federal Legislation Proposals and Rule Making
Lucia Patterson will provide an update. **FOR DISCUSSION ONLY**
- B. University of Nevada Reno, Mackay School of Mines Update
Annie Huta will provide a brief update. **FOR DISCUSSION ONLY**
- C. Lithium, Battery research, production, and recycling update and truck charging fleet status.
Garrett Wake will review the request by Commissioner Bain. **FOR DISCUSSION ONLY**
- D. 2024 AML Summer Intern Program
Peter Engh will provide a brief overview. **FOR DISCUSSION ONLY**

IV. OLD BUSINESS

- A. NDOM Budget Update
Garrett Wake & Rob Ghiglieri **FOR DISCUSSION ONLY**
- B. Update on proposal to join the Interstate Mining Compact Commission
Rob Ghiglieri **FOR DISCUSSION ONLY**
- C. NDOM Project Proposals
Rob Ghiglieri will discuss new projects proposed by staff to enhance the agency's Mission. **FOR POSSIBLE ACTION**
- D. NBMG Contract Updates and Proposals
Jim Faulds **FOR POSSIBLE ACTION**
- E. An update from the Joint Interim Standing Committee on Natural Resources and its Subcommittee on Public Lands, review of Commission
Rob Ghiglieri **FOR DISCUSSION ONLY**
- F. Administrator Report
A brief review of other relevant ongoing topics within the Division of Minerals **FOR DISCUSSION ONLY**

V. COMMISSION BUSINESS

- A. Correspondence to the Commission. **FOR DISCUSSION ONLY**
- B. Review of staff monthly activity reports. **FOR DISCUSSION ONLY**
- C. Future Agenda Items. **FOR DISCUSSION ONLY**

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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.

II. Minutes



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Thursday, February 15, 2024,

10:00 A.M.

MINUTES

Commission	Staff	Public
Josh Nordquist	Robert Ghiglieri	Daniel Marlow
Art Henderson via zoom	Rebecca Tims	Amanda Peach
Bob Felder	Nicole Ting, DAG via Zoom	Pesach Chanahiah
Randy Griffin	Deborah Selig	Jim Faulds NBMG
Nigel Bain	Garrett Wake	Josh Bonde NSM
Mary Korpi via zoom	Keith Hayes	Becky Hall CMNN
	Rick Kauffman	
	Crystal Cruson	

CALL TO ORDER

10:02 AM by Josh Nordquist

Roll Call

All commissioners were present except for Stephanie Hallinan. Quorum noted.

PLEDGE OF ALLEGIANCE

Led by Josh Nordquist

COMMENTS BY THE GENERAL PUBLIC

None

I. AGENDA

A. Approval of the Agenda

Robert Ghiglieri requested to move agenda item V. A to immediately follow agenda item IV. C.

Motion to approve the revised agenda made by: Bob Felder

Seconded by: Nigel Bain

Unanimously approved.

II. Minutes

Approval of the meeting minutes from the November 8th meeting

Motion to approve the minutes made by: Mary Korpi

Seconded by: Randy Griffin

Unanimously approved.

III. Adoption Hearing

Robert Ghiglieri went over regulation changes to NAC 534B.100 and NAC 534B.125 and adoption hearing.

Motion to approve: Randy Griffin

Seconded by: Nigel Bain

Unanimously approved.

IV. New Business

A. Introduction of the new NDOM staff

Robert Ghiglieri introduced the new NDOM staff.

B. Introduction of the new NVMA President

Robert Ghiglieri introduced the new NVMA president, Amanda Hilton.

C. Joint Interim Standing Committee on Natural Resources and its subcommittee on Public Lands, review of Commission

Robert Ghiglieri presented on the Joint Interim Standing Committee and review of their commission.

Josh Nordquist: Can you work with one of us to finalize the presentation before April 5th? Unless any other commissioner disagrees, I can be your point of contact.

Art Henderson: I agree, I think we need a commissioner to work with Rob.

Garret Wake: Is this something that would be a violation of open meeting law if the commissioners work together on this?

Robert Ghiglieri: Yes, anytime there is collaboration between the commissioners.

Garrett Wake: I just wasn't sure since this isn't a regulation.

Robert Ghiglieri: As long as the commission is individually providing me information and I am representing making the recommendations moving forward, we are not violating open meeting law. But as soon as you create a subcommittee, that committee is now a committee, and if two of them meet it's a majority.

Nicole Ting: Wow, that's impressive, that's exactly the state of the law.

Robert Ghiglieri: Thank you. I think if Josh and I do that, that's the best. Do you need a vote on the direction moving forward?

Josh Nordquist: I don't see it as a voting action.

Mary Korpi: Rob, do you have a timeframe for this presentation?

Robert Ghiglieri: No, they have not given me any timeframe.

Mary Korpi: I think that's going to be critical if you can get something because there is a lot of information and if it gets narrowed down, it's going to have to be those high points for sure.

Robert Ghiglieri: That's a great point Mary, thank you. I'll reach out and ask. They said any item can be added or removed between now and the meeting, so we have to be able to adjust if there are additional questions coming at the last minute because they already have another natural resource committee meeting at the end of this month. So, there is already a meeting in-between where they are focused on that.

Josh Nordquist: Is there any mention of the bond pool in there?

Robert Ghiglieri: There is a mention of it and the programs that we oversee, it's very brief.

Josh Nordquist: Same sort of realm, right?

Robert Ghiglieri: Yes.

D. Proposal to join the Interstate Mining Compact Commission

Robert Ghiglieri proposed that the Division of Minerals join the Interstate Mining Compact Commission.

Art Henderson: Are they pressuring us to become a full member or are they satisfied with us as an associate member?

Robert Ghiglieri: They have encouraged us to pursue full membership.

Art Henderson: I know that the governor at that time did not want to do that. We can give all the support that we want but really it is up to the governor to decide if he is in favor of this.

Robert Ghiglieri: Absolutely. That is why I want to make sure I have your support as a commission before I have conversations with my direct liaison at the governor's office. I have had preliminary discussions, and they see the benefit, but I do not believe it has gone all the way up to him yet, so I want to make sure I have the support of the commission before I start that process.

Art Henderson: The cost was the biggest argument we had in the past.

Robert Ghiglieri: And it's still the argument, but it's why IMCC put that cap on the fee.

Nigel Bain: There is a list on their website, and it doesn't include Nevada as an associate.

Robert Ghiglieri: At that point in time in 2015, the governor officially said no we're not going to pursue membership now, but they allowed us a handshake deal to kind of maintain that level to be involved but not be members. The conversation was that we either take the next steps forward and become members or it's created tension within the commission of us being there where we are not technically a full member but continue floating as an unofficial associate member as we have for 7 years now. From what I have seen in the last 8 to 10 years, if there was a time for the State of Nevada to get involved, it would be now.

Nigel Bain: I would support continuing the process.

Josh Nordquist: I don't know if I see this as a vote, but my suggestion is to continue forward. Once a decision is made by the governor's office, if he would support this then I would support it. It seems like the decision voting point is around compiling a BDR.

E. AML Sample Collection Program

Rick Kauffman presented a program to the commission on AML sampling.

Bob Felder: Interns are normally undergraduates, not necessarily geologists. I think the value of this program is more impactful on training interns than on helping exploration. The reason I say that is most districts have been characterized geochemically and all the old Nevada Bureau of Mines and Geology reports show what kind of metals were detected in those districts. A couple of new samples with modern analysis would be good, but I have a hard time seeing a big impact on exploration. It's not comprehensive, you know, there is an indication that there is this kind of rock and I think the descriptions of rocks with interns would be hard to publish.

Rick Kauffman: That is understandable. The descriptions would maybe be left out, and we would just provide a chemical analysis. If you look at the British Columbia Geologic Society, they have a comprehensive rock sampling collection program and that is kind of what gave us the idea moving on with this. The idea is that you can collect a point and look at the results from that sample.

Bob Felder: I like the idea, but I am just thinking of practical applications and in terms of influencing the exploration community because of the sampling program, I don't see it.

Robert Ghiglieri: To add to your comment, the idea behind this is that we go to these sites sometimes multiple times. All of us are geologists and we just want to look at the rocks and see what is there, so it would be great if we could start getting generic background data. We're already there and it's a pilot program. Is this something that will work? Will we be able to recruit enough qualified interns? Will it deter too much from AML (Abandoned Mine Lands)? Or is this something that we could incorporate easily? Mike pitched this to me when I first started. This is truly a pilot project and that is why we are asking for \$30,000 per year to see if this works and then at that point in time, in the summer season, we can say we think this would be a great success or not that is not going to work in the future.

Garrett Wake: Gold and silver and a few other minerals have been heavily explored in the state, but the big push for a new suite of minerals, how has that exploration fared in the past? A lot of these prospects are probably for gold and silver, but could we find some kind of anomalous results? It's low cost, but I agree, I think there is an issue if you keep it at the district level-- how helpful is that? But at the same time, if you set up the points and you're on somebody's claims, is that going to cause an issue?

Bob Felder: I think you made a good point about the historic reports. The analysis is probably precious metals. But it's old data and I hope it didn't sound like I was throwing cold water at you. I like the idea of it and there is probably no harm in trying it and you'll never know if anybody in exploration looking at these new samples and acting on them.

Rick Kauffman: You'll never really know that especially if we only have a small suite of only 200 samples. You select one district and collect the 200 samples and we can then publish the data however we see fit.

Bob Felder: I misunderstood, I thought that each closure site that you had visited during any given season might be thirty or forty or fifty of those. I thought it was going to be a handful of samples for each individual site no matter where they are.

Rick Kauffman: Yes, but to help sell the idea and especially as a pilot program is to condense the data instead of having it spread out. We can condense the data and then publish it how we see fit. Is it helpful, is it not? Next year we can look at it and say we tried.

Bob Felder: I think there is a lot of value in converting your interns into geologists.

Rick Kauffman: Especially nowadays it is hard to find geology interns even if you go to the big mines.

Bob Felder: What percentage of our closure sites that we visit are on active mining claims?

Robert Ghiglieri: Right now, it is a high percentage. That's why we are looking at it at the scale of a district so that it is not putting it against a claim.

Jim Faulds: Could this dovetail with the mine waste program?

Robert Ghiglieri: Yes

V. Old Business

A. NDOM Budget Update

Garrett Wake updated the commission on NDOM's current budget.

Art Henderson: We've been through ups and downs, and we've always tried to project the future, which is difficult. What is your projection? You show this chart and in recent years it has been increasing. We know lithium is driving a lot of them and maybe you can tell us what other things are driving them. But if you have a steady projection for increase, Josh, I think maybe we ought to look at reducing the claim fees. We have a huge excess and if we could reduce some of the fees for the mining community, it may be a good time to look at that. Because I don't think you will be able to spend all that money.

Robert Ghiglieri: I think we'll be able to discuss it in May because I do remember in 2015 or 2016, we did increase the claim fees from \$8.50 to \$10.00. We said if there ever was a significant surplus where we could not manage that money efficiently from the AML program, that we would look to reducing the fee to help industry, mainly exploration. So, that is definitely one of the options and at the May meeting we will do our best to try to forecast what the claims are going to be. I thought last year was going to be the peak, but it appears not.

Art Henderson: Josh, I think we should at least look in to that because we increased in a time of need and now it appears that we are in a much better position. So, I think we should at least have a report so that we can review it at the next meeting.

Josh Nordquist: That is a good suggestion Art. I agree, the general trend seems to be on the upswing and not a downswing. But to relay that it's a careful decision making because the reserves are there to protect the Division, to make sure that we have operating reserves and be careful not to risk it.

Art Henderson: This chart shows only 5 years, but we have never been below our reserves.

Josh Nordquist: This chart tells some of that story that if we're not seeing that big of an increase of year over year in the past, but we are seeing more organic level increases.

Art Henderson: We are also getting more revenue from other sources now than what we used to get.

Garrett Wake: Also, one thing is that we have found a lot of success in doing contract work with the AML program and something I think prior to maybe 7-10 years ago. The division didn't do that. We have been increasing our contract funding because of our successes. I don't think we have extended that a whole lot into other areas, other than our work with the Bureau. There is a lot more that I think we can come up with to benefit the industry where we haven't really looked before, I don't think we have innovated in other areas and that may be something to

consider. There are a lot of ideas that we could come up with that would benefit the industry. One great example that was recently done was the copper smelting report. That was unique and something that we offered to industry, and we showed that in many places. Things like that.

Art Henderson: Just think of all the places you guys go to and then you say we are reducing our claim fees, we are open for business, and we are here to help you and we are here to help the mining people. I think all the commissioners that are here that are involved in the mining, I'd like to hear from you. Don't you think that would be a welcome gesture from us to support the industry or do you think it is insignificant?

Bob Felder: How long ago was it that we raised the fees?

Robert Ghiglieri: 2015 or 2016. It was a \$1.50 per claim increase.

Bob Felder: Because obviously we're dealing with industry and we don't want to be raising and lowering the fees too often, but it's going on for 10 years and that's not too bad. The question is, if we seriously consider lowering it, I think we should be prepared to live with that for a while and we can't predict the future. It makes me a little nervous.

Art Henderson: We have two times our reserves and that is what we said when we raised the fees, if we come to a time when we have excess, we would revisit this. I'm not saying we must actually lower them, but we certainly need to revisit this because that is what we gave our word on. All of the meetings we went to, and we didn't get a lot of pushback from them because they understood the situation we were in. Maybe Rob can look up some of those old notes and report exactly what we told everyone.

Robert Ghiglieri: I will. I remember being there at that meeting in Carson City and something very similar to what you said was mentioned so I will try to find that information.

Randy Griffin: I wasn't part of the commission in 2015, but there was something that we raised, I think it was 50 cents and I remember everybody wanted to raise it except Nigel.

Bob Felder: I recall that we decided that 50 cents wasn't worth bothering with.

Randy Griffin: Do you remember that, Nigel?

Nigel Bain: It was in Eureka actually, was it a split in the claim fees.

Robert Ghiglieri: I think Mike suggested looking at reducing the claim fees by 50 cents.

Randy Griffin: Well, we raised it, I remember it was like 6 to 1. But there was something we raised by 50 cents because we voted on it.

Art Henderson: Nevertheless, we are in good shape with our budget, and I think that the division is doing a great job.

Josh Nordquist: What I would suggest is to think how we can utilize our reserves and I think the suggestions taken from the commission is part of that should be the thought process on reduction of fees. Again, no matter how it is in the end, it's like the balance and we should incorporate that into a bigger discussion at the next meeting.

B. NBMG Ongoing Contracts Update

Jim Faulds provided the commission with updates regarding NBMG ongoing contracts.

C. NV State Museum and Children's Museum Updates

Becky Hall provided an update on the Children's Museum exhibit.

Robert Ghiglieri: I would like to remind the commission that with the State Museum and the exhibit we are looking at long-term additional downstairs mining exhibits that have been put on hold, but it hasn't been taken off the table.

Garrett Wake: The state museum in Las Vegas has also reached out and asked about beefing up their mining and minerals exhibit because they have a nice large square set exhibit and they have mining and mineral related exhibits that have been there for a long time, but they do have an area for that and have intent so a lot of museums are recognizing the great work of the commission.

D. Request to Update AML SOSA Content and other Educational Materials

Keith Hayes presented a request for funding to update NDOM's educational materials.

Mary Korpi: I just want to say that I am glad to see that this proposal came forward and I also like the idea of doing everything at once so that you have a similar branding, so I am absolutely supportive of this project.

Bob Felder: So, we provide the content, and they provide sort of the design aspect?

Keith Hayes: Correct. Several of the companies I have been in contact with are willing to do multiple iterations to show us some ideas. My assumption is that they would give us a few items to get an idea first.

Bob Felder: As a funding proposal I would like to see the printing cost.

Robert Ghiglieri: One of the things that we struggled with is that we used to mail these to every fourth and seventh grade class and enough for each student in the class so we would spend thousands of dollars on mailing alone, and now most teachers will be able to accept this digitally. Printing will be there for these, but we are talking a couple of hundred dollars a year.

Keith Hayes: Going through the process of the teacher's workshop and promoting that these last few months, I think that I have the outlets now that once this is something that we feel really proud of and to put our name on as an educational resource. I feel that I have a lot of outlets to where I could now market these so that they are actually being used.

Randy Griffin: So, we'll send out the digital whatever these are, and the teachers will distribute them?

Keith Hayes: Yes

Randy Griffin: Would you put out some sort of bid between these 4 companies that we have service contracts with?

Keith Hayes: You hit on something exactly right, if I am going to go about doing this, I am going to get quotes from all of them and I will absolutely do the full due diligence on getting the best products.

Bob Felder: You said these aren't specific to elementary school or junior high, why label them in the specific grade?

Robert Ghiglieri: At that point in time, fourth grade was when they brought Nevada history to the curriculum and seventh grade was because it was a natural science and when that was brought in. Now it varies from class to class at the middle school level, the fourth grade is for 4th grade and that is where Nevada history comes in.

Keith Hayes: We will make sure to outline for the teachers what standards that these mini units are hitting because that is where the grade level distinction comes from those core standards.

Motion to approve up to \$42,000: Bob Felder

Seconded by: Mary Korpi

Unanimously approved.

E. Review of Ongoing Federal Legislation Proposals

Robert Ghiglieri gave a brief overview of ongoing federal legislation proposals.

F. Administrator Report

Robert Ghiglieri provided the commission with his administrator report.

Mary Korpi: I want to add one to Rob's, Rob has volunteered to speak at the SME Reno section meeting on May 6th so if anybody is around and you want to go to the meeting, he will fill you in on what is going on. There are a lot of people in Nevada that don't necessarily know what we are doing in the mining business.

G. Set Commission Meeting Dates

Robert Ghiglieri proposed to schedule the remainder of the year's quarterly commission meetings.

VI. Commission Business

- A. Correspondence to the Commission
- B. Review of staff monthly activity reports
- C. Future Agenda Items

COMMENTS BY THE GENERAL PUBLIC

None

ADJOURNMENT

3:39 pm

III. NEW BUSINESS

A.

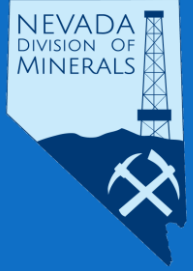
Land Issues Update



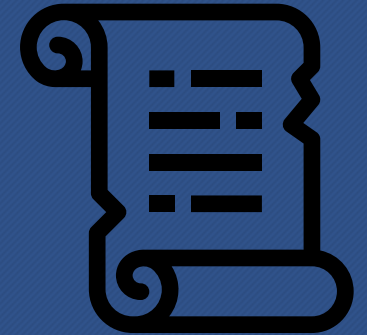
Lucia Patterson, GIS Analyst

Nevada Division of Minerals

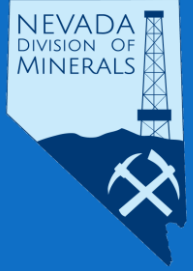
Public Lands Rule (Conservation Rule)



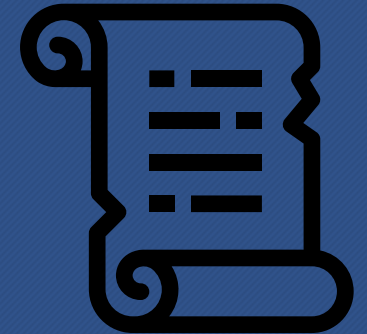
- Significant number of comments received
 - 216,000 in total - 22,000 being substantive
- Press Release April 18, 2024
 - “The Public Lands Rule will help safeguard the health of our public lands for current and future generations by helping ensure we protect our clean water and wildlife habitat, restore lands and waters that need it, and make wise management decisions based on science and data, including Indigenous Knowledge.”
 - BLM Press Release



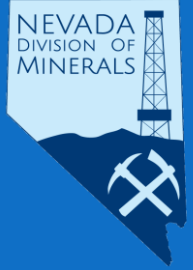
Public Lands Rule (Conservation Rule)



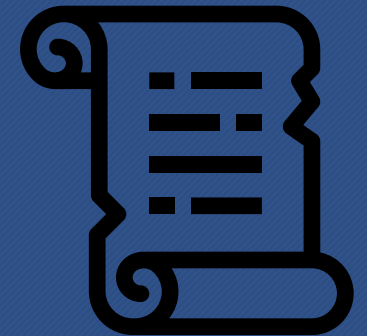
- Area of Critical Environmental Concern (ACEC) – “ACECs must meet three criteria: relevance, importance, and need for special management attention. The rule clarifies that an ACEC can be designated to protect ecological intactness and habitat connectivity, emphasizing the role of ACECs in maintaining resilient lands and waters.”
- Restoration & Mitigation Leases – “To sustain the health of public lands, the BLM is working to protect lands where they are healthy and to restore those that are not. Offering leases for restoration or mitigation will support durable land restoration and provide a long-sought tool for developers to offset their impacts by protecting and improving the health of public lands.”



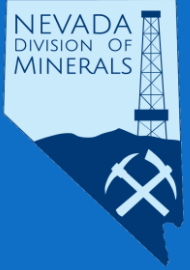
Public Lands Rule (Conservation Rule)



- House Bill H.R. 3397 or Western Economic Security Today (WEST) Act passed house on April 30, 2024
 - This bill requires the Bureau of Land Management (BLM) to withdraw a proposed rule relating to conservation and landscape health and prohibits the BLM from finalizing, implementing, or enforcing the proposed rule or any substantially similar rule.
 - Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.



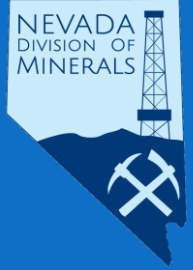
CEQ Proposed NEPA Rule



- “Bipartisan Permitting Reform Implementation Rule” to revise its regulations for implementing the procedural provision of NEPA
- Letter submitted on Draft Rule – Governor’s office
- Press Release of Final Draft – April 30th, 2024
- The press release states:
 - “These updates will help industry by speeding up environmental reviews and providing more certainty when they are designing projects.”



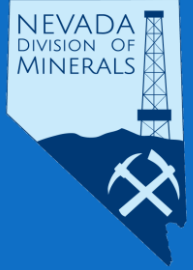
CEQ Proposed NEPA Rule



- Implies agencies must strongly consider selecting the Environmentally Preferred Alternative
- Creates never-ending NEPA process by allowing new issues to be raised at any point – even after the agency's NEPA decision
- Allows for projections and assumptions to be acceptable forms of environmental analysis
- Requires more information with a smaller overall document size



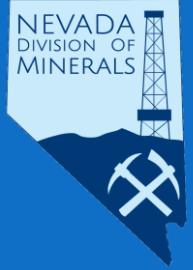
Rosemont Case



- 2019 Federal Judge in Tucson faulted the USFS for assuming that that Rosemont Copper Company had valid claims to the mineral rights in the proposed dumping area and, therefore, could use the land “in connection with” mining operations.
- Affirmed in May 2022 by 9th Circuit Court of Appeals
- Restricts the rights to use public lands for mineral purposes to claims that contain a discovery of a valuable mineral deposit



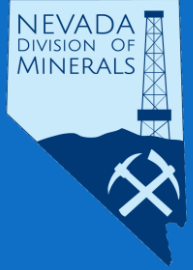
Rosemont Case



- The Rosemont interpretation of the Mining Law has already affected proposed mining projects in Nevada
- Currently the BLM is operating under a Solicitors Opinion for determining rights associated with a “valid” claim.
- The Rosemont case ruling states “But amendment of the Mining Law is a task for Congress, not for the Service, and certainly not for us.”
 - H.R. 2925 - Mining Regulatory Clarity Act of 2024; Rep. Amodei
 - S. 1281 - Mining Regulatory Clarity Act of 2023; Sen. Cortez Masto



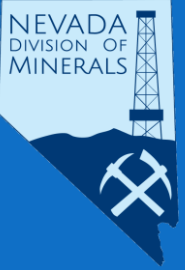
Rosemont Case



- According to the Greater Sage-Grouse Draft Resource Management Plan Amendment-Appendix 13-3-15, A validity exam could take several years to compete and cost at least \$50,000 per claim.
- The BLM has indicated that there are 11 Certified Mineral Examiners in the entire U.S. Currently there is over 270,000 claims in Nevada alone and over 450,000 in the western US.
- Even if we only set a goal of validating 10% of the claims in Nevada only, it would cost over \$1.3 billion to complete and consume over 600 years.



Security Exchange Commission - Natural Asset Company Rule



The NAC Rule defines a NAC as:

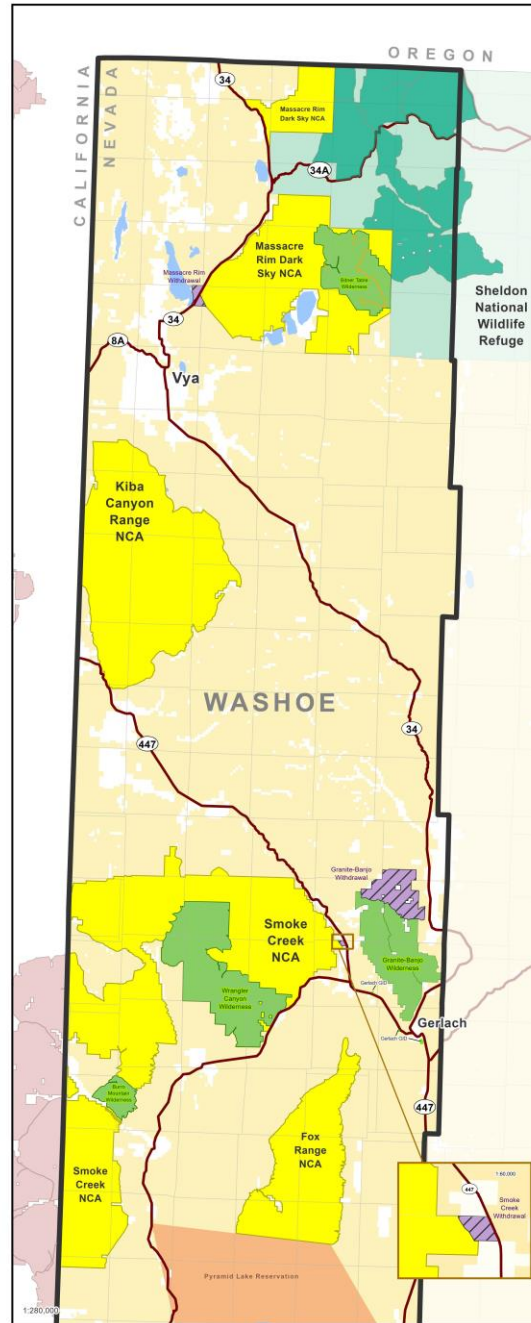
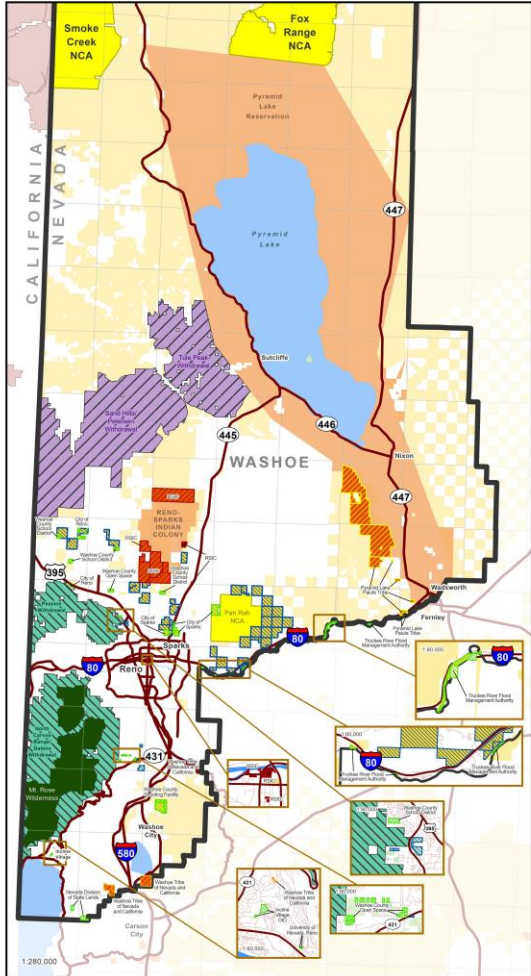
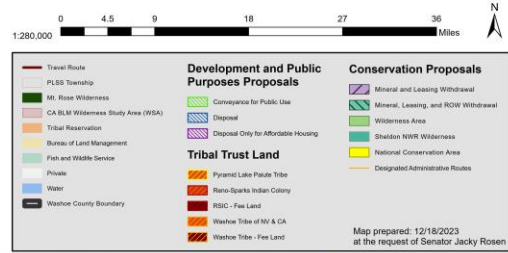
“Corporations that hold the rights to the ecological performance of a defined area and have the authority to manage the areas for conservation, restoration, or sustainable management.”

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

NAC Rule clearly conveys that ecological performance rights 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)

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)

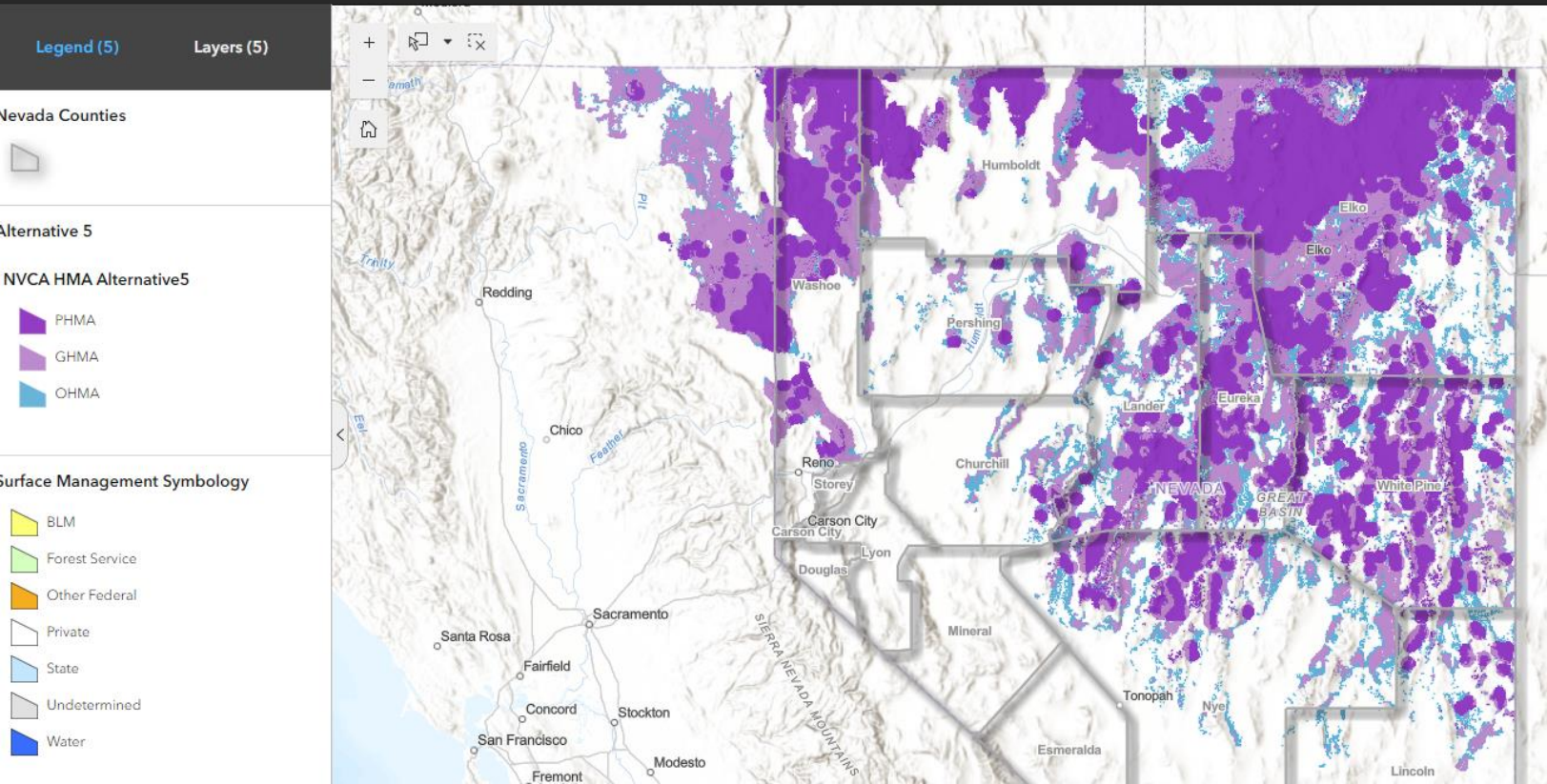
Sage Grouse AMRPA

The 2024 Draft EIS for the 2021 Greater Sage-Grouse Land Use Plan Amendments

Alternative Viewer - Web Applications

This data is what was provided on the [e-planning website](#), which you can also visit for more details and to view the DEIS. Sorry there isn't any select by location functionality, it is not supported with "complex" geometries.

Alternative 1 Alternative 2 (no action) Alternative 3 Alternative 4 **Alternative 5 (preferred)** Alternative 6



Alternative 1

- 2015 HMA Boundaries (18.6 M Ac*)
- Includes SFA and withdrawal recommendation

Alternative 2

- *No Action Alt.*
- 2015 HMA Boundaries (18.6 M Ac*)

Alternative 3

- 2024 HMA Boundaries (28.8 M Ac*)
- Rec. Withdrawal of ALL 28.9 M Ac
- ACEC designation (11.1 M Ac)

Alternative 4

- 2024 HMA Boundaries (28.8 M Ac*)
- More restrictions on Mitigation and less flexibility for fluid mineral and disturbance caps.

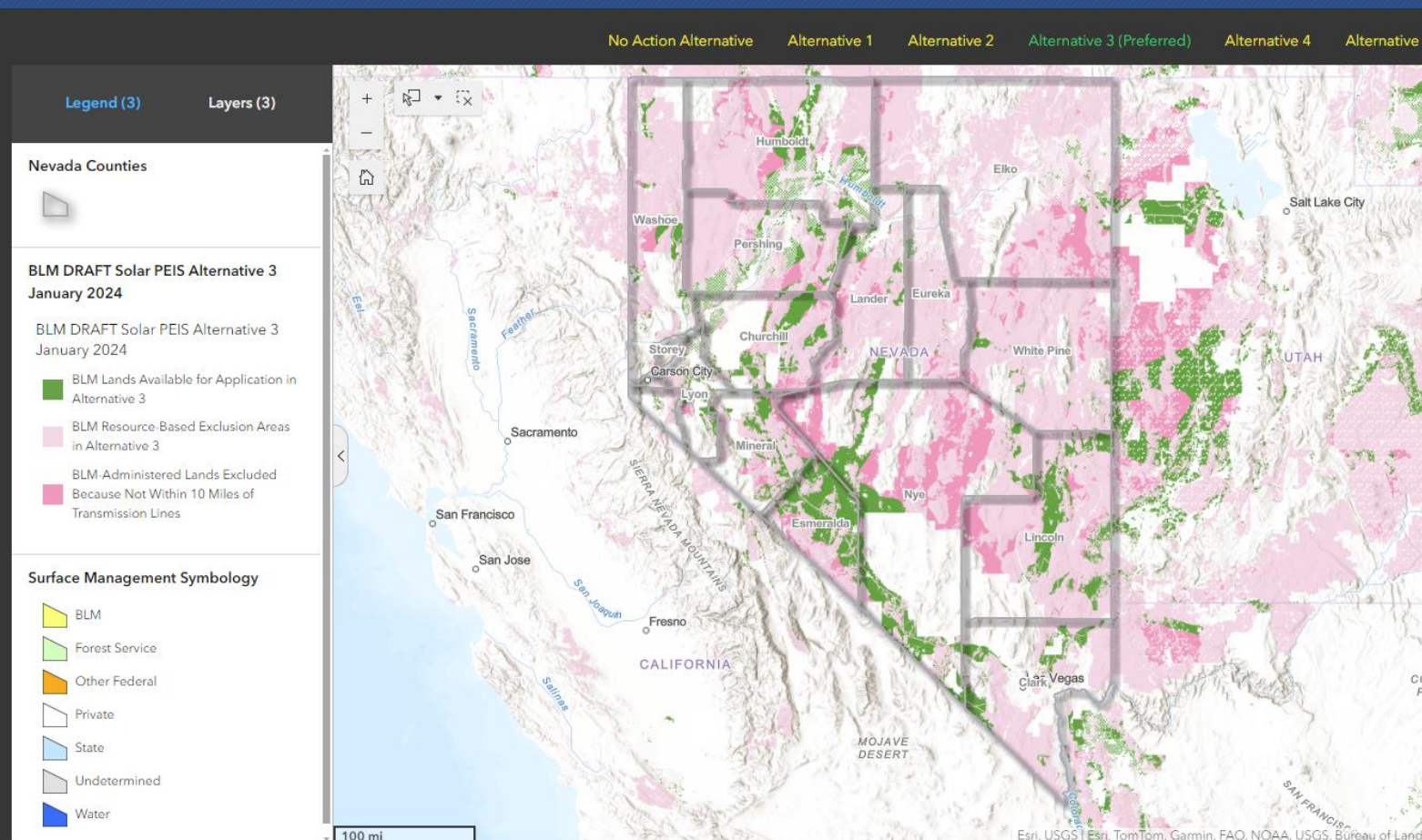
Alternative 5 (Preferred Alt.)

- 2024 HMA Boundaries (25.7 M Ac*)
- Fewer restrictions on Mitigation opportunities and more exceptions to fluid mineral stipulations and disturbance cap.

Alternative 6 (No Action)

- Same as 5 but ACEC (11.1 M Ac)

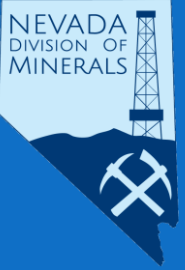
2023/2024 Utility Scale Solar Energy Development PEIS/RMPA



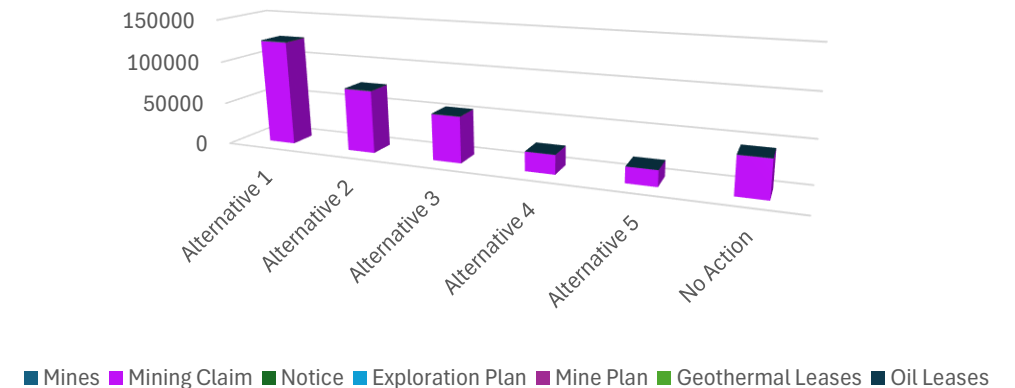
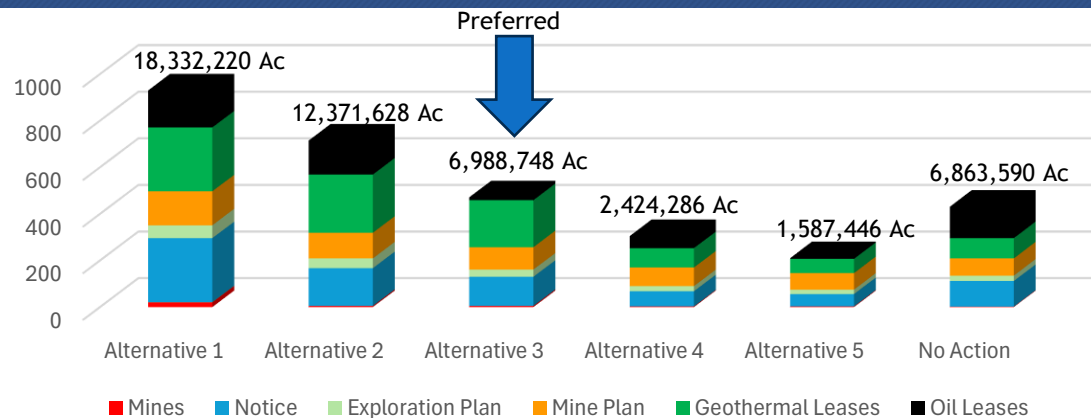
NDOM Submitted a Letter with 4 main points of concerns

1. Deficient and inaccurate review of impacts to existing mineral resource activities
2. The absence of a current Mineral Potential Report
3. Deficient economic analysis with respect to mineral exploration, development, and extraction
4. Conflicts with concurrent Resource Management Plan (RMP) amendment efforts.

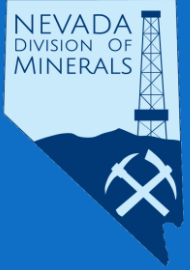
2023/2024 Utility Scale Solar Energy Development PEIS/RMPA



On Lands Available for Solar Application	Alternative 1	Claimant/Customer	Alternative 2	Claimant/Customer	Alternative 3	Claimant/Customer	Alternative 4	Claimant/Customer	Alternative 5	Claimant/Customer	No Action	Claimant/Customer
Acres	18,332,220		12,371,628		6,988,748		2,424,286		1,587,446		6,863,590	
Mines	20	14	5	5	5	5	3	3	3	3	2	2
Mining Claim	123,212	678	73,752	526	53,950	396	22,266	309	18,312	233	43,501	364
Pending Exploration Notice	56	42	33	24	28	20	13	11	12	10	25	21
Authorized Exploration Notice	219	143	129	98	97	77	52	46	41	36	85	66
Pending Exploration Plan	14	13	12	11	8	8	5	5	4	4	9	9
Exploration Plan	41	36	30	29	23	22	17	16	15	14	14	13
Pending Mine Plan	54	48	43	37	36	31	24	21	21	19	37	31
Authorized Mine Plan	92	75	67	58	60	51	56	49	50	43	37	34
Geothermal Leases	274	61	250	57	202	55	83	37	61	32	87	35
Oil Leases	159	31	146	29	12	5	52	19	3	2	135	29



Biden-Harris IWG Mining Reform Report

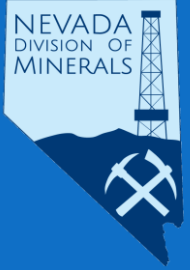


Contains 60 Recommendations for reform of mining laws, regulations, and the permitting process

- Good - Reestablish Bureau of Mines, funds mining schools, highlights Nevada as Gold Standard
- Bad - Extensive community and tribal engagement on early exploration, increased mining claim fees, identify areas suitable for mining
- Ugly - Transition to leasing system, 4-8% net royalty, 7 cents/ton fee for mined material.

Existing IWG working on implement some of the recommendations

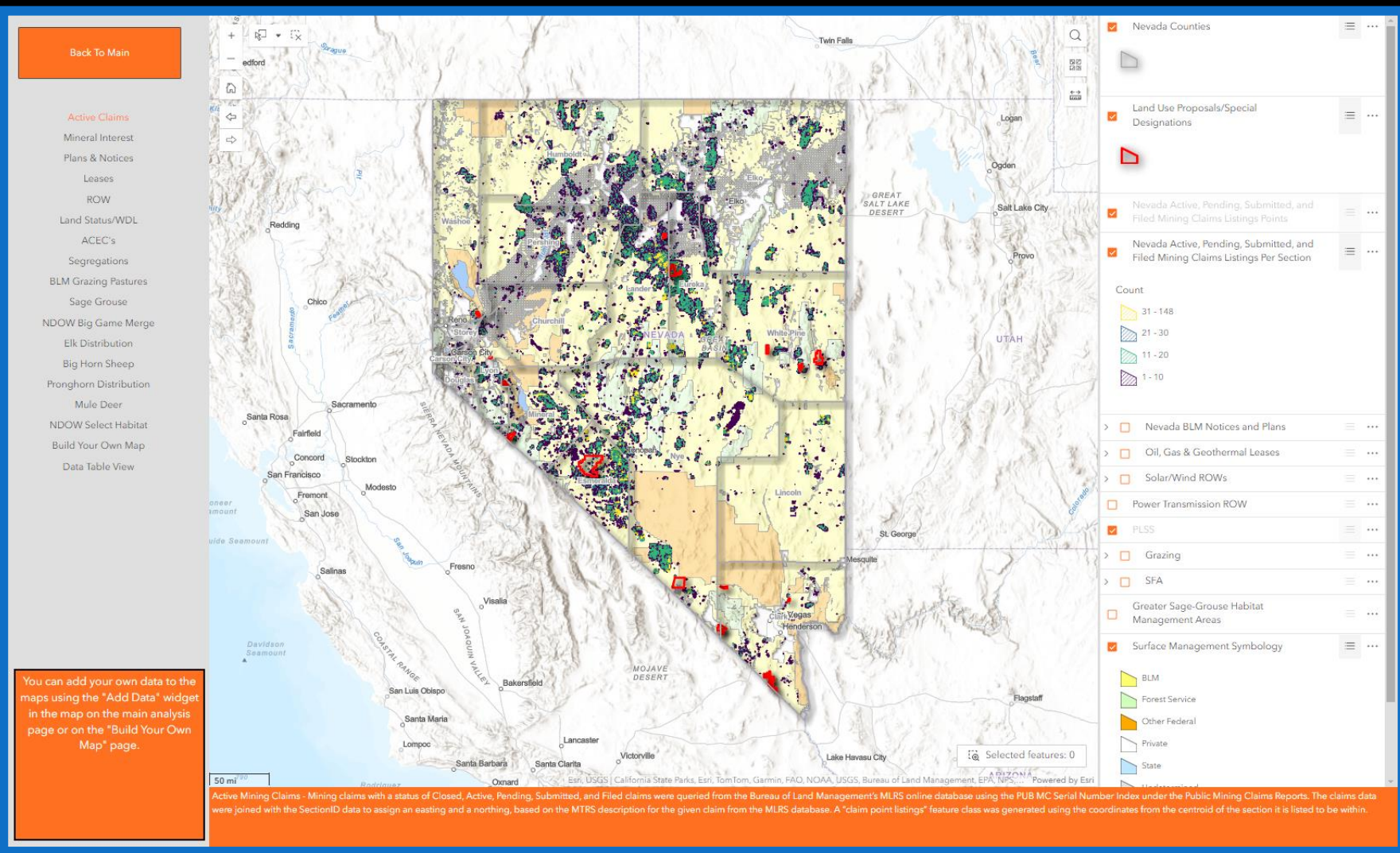
Biden-Harris IWG Mining Reform Report



On March 29th, 2024, the DOI Office of Inspector General (OIG) rendered a report to Interior Secretary Deb Haaland. The OIG examined the IWG report to Congress for compliance with Section 40206 of the IIJA. It found:

- The report missed the November 15, 2022 deadline by nearly 10 months, thus delaying federal agencies and Congress from having the information needed to adopt changes
- The report failed to:
 - quantify the time typically needed to complete each step in the federal permitting process
 - or address three of nine specific components of the required examination of federal permitting and performance improvements.

Recent Land Issues



Renewable
Energy/Multiple
Use

ROW data
(wind/solar/power
transmission)

Segregations

Multiple use viewer
(work in progress)

← Results

Features displayed: 1 - 100 / 2666

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 10

► Claim Name: ADAMS HILL EXT NO 2

► Claim Name: ADAMS HILL EXT NO 2

► Claim Name: ADAMS HILL EXT NO 3

► Claim Name: ADAMS HILL EXT NO 3

► Claim Name: ADAMS HILL EXT NO 4

► Claim Name: ADAMS HILL EXT NO 4

► Claim Name: ADAMS HILL EXT NO 5

< 1 2 ... 27 > 100 /page

You must filter the appropriate layer in order for these values to populate. The asterix correspond to the layer you must filter from above. The sums include claims of all dispositions not just "Active" and are max values.

*Sum of claim fees paid for selected CLAIM LISTINGS: \$ 0

**Average fees paid per section for SELECTED SECTIONS: \$ 0

**Sum of claim listings for SELECTED SECTIONS: 0

To suggest filter options or layers for this map or to submit proposal polygons please email the data source to Impatterson@minerals.nv.gov

Loaded (100)

- Statistics
- Zoom to
- Pan to
- View in table
- Show on map
- Export

All data (2666)

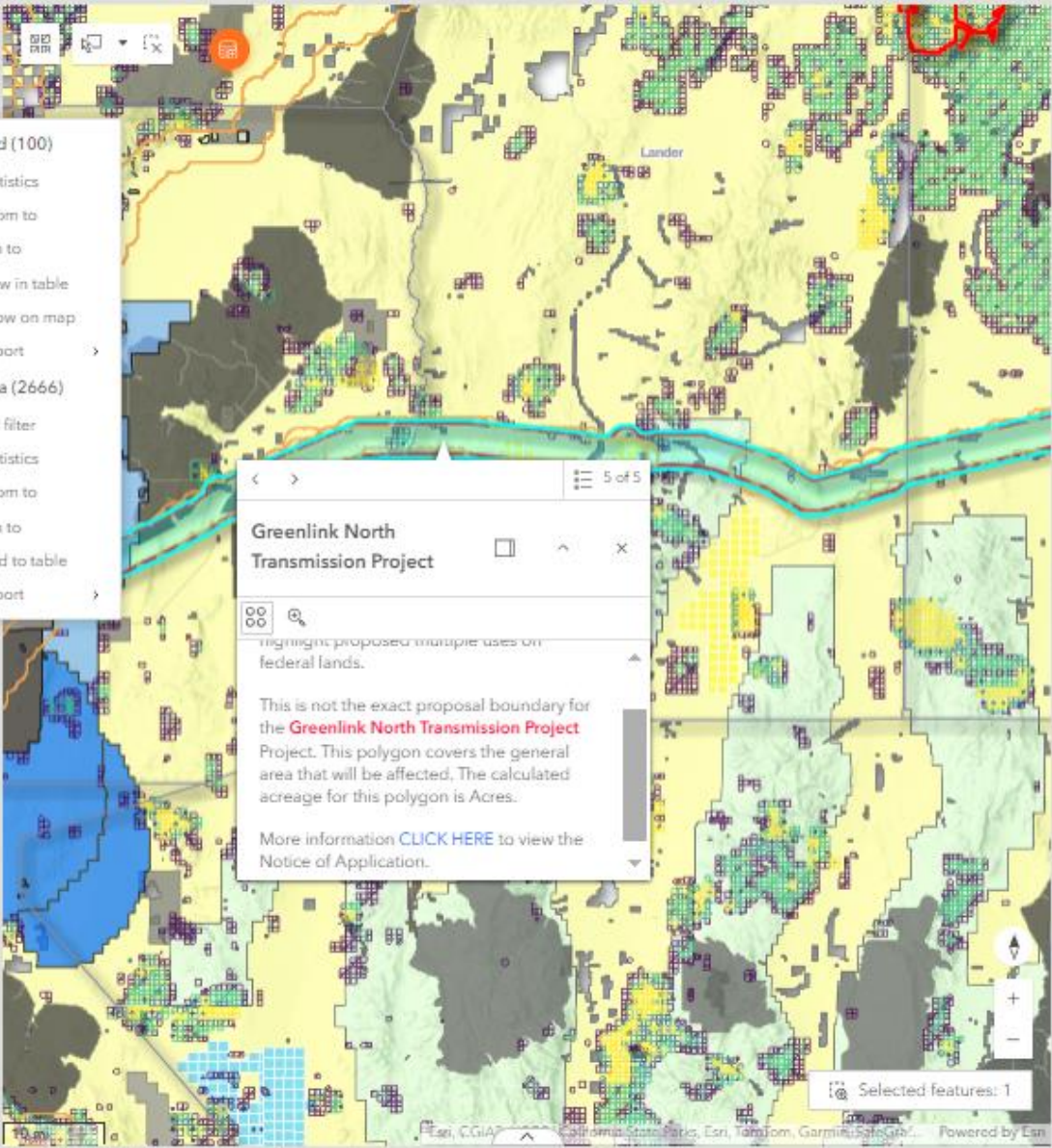
- Set filter
- Statistics
- Zoom to
- Pan to
- Add to table
- Export

Greenlink North Transmission Project

highlighting proposed multiple uses on federal lands.

This is not the exact proposal boundary for the **Greenlink North Transmission Project**. This polygon covers the general area that will be affected. The calculated acreage for this polygon is Acres.

More information [CLICK HERE](#) to view the Notice of Application.



Nevada Counties

Power Transmission ROW Buffer: January 18, 2024

- AUTHORIZED
- PENDING
- INTERIM

Land Use Proposals/Special Designations (Solar-Wind Projects - Land Withdrawals)

Nevada Mining Claims

Nevada Active, Pending, Submitted, and Filed Mining Claims Listings Per Section

Count	
31 - 148	
21 - 30	
11 - 20	
1 - 10	

Nevada BLM Notices and Plans

No legend

Production of Minerals in Nevada 1987-Present

View Simplified Maps - Along with maps depicting some grazing and wildlife data

Active Mining Claims

Historic Mining Claims

Plans & Notices

OGG Leases

BLM ROW's

Land Status

Segregation

Sage Grouse

NDOW Big Game

ACEC's

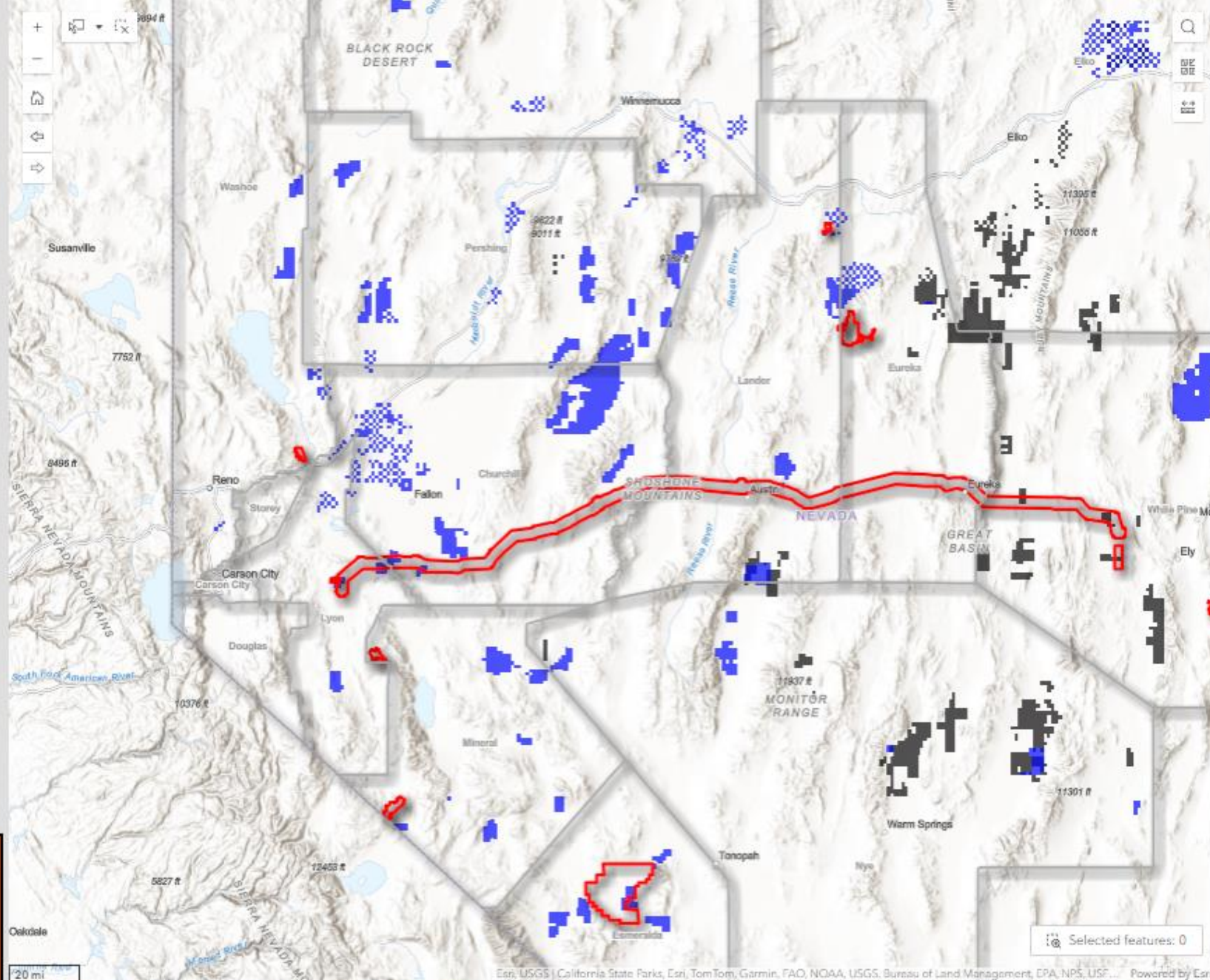
View Attribute Table/Export Selected Data

Build Your Own Map!

[Back To Main](#)

Active Claims
Mineral Interest
Plans & Notices
[Leases](#)
ROW
Land Status/WDL
ACEC's
Segregations
BLM Grazing Pastures
Sage Grouse
NDOW Big Game Merge
Elk Distribution
Big Horn Sheep
Pronghorn Distribution
Mule Deer
NDOW Select Habitat
Build Your Own Map
Data Table View

You can add your own data to the maps using the "Add Data" widget in the map on the main analysis page or on the "Build Your Own Map" page.



☒ Nevada Counties

☒ Land Use Proposals/Special Designations

☐ Nevada Mining Claims

☐ Nevada BLM Notices and Plans

☐ Solar/Wind ROWs

☐ Power Transmission ROW

☒ Authorized Geothermal Lease Points

☒ Authorized Geothermal Leases Per Section

☒ Authorized Oil and Gas Lease Points

☒ Authorized Oil and Gas Leases Per Section

☒ NVPLSStiles

☐ Grazing

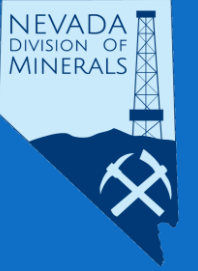
☐ SFA

☐ Greater Sage-Grouse Habitat Management Areas

☒ Surface Management Symbolology

BLM
Forest Service
Other Federal
Private
State

Oil/Gas & Geothermal Leases- All Leasedata has been pulled from the BLM's MLRS database using the CR Serial Register Page - Other Query Parameters - all CR Products. Lease points plot in the center of the section designated in the MTRS description of the MLRS report. The sections are selected based on the spatial intersection with the letter points. Lease dispositions include Authorized, Pending, and Interim.



Thank you!

B.

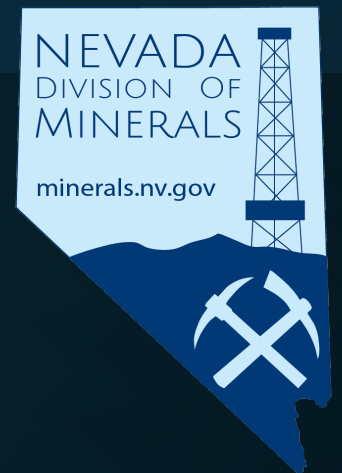
THIS SECTION IS INTENTIONALLY LEFT BLANK.

C.

Lithium Battery Research, Production, and Recycling; and Truck Fleet Charging Update

Commission on Mineral Resources
5/16/24

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

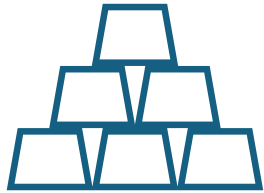


Lithium Battery Research

- Rapidly changing
- Many proposed options, questions surrounding “best” options:
 - Energy Density
 - Charge Rate
 - Durability
 - Temperature-performance
 - Supply Chain (materials)
 - Economics
 - Safety
 - Recyclability



Lithium Battery Research – In Use



Replacing nickel-manganese-cobalt (NMC) cathodes with lithium-iron-phosphate (LFP)

10% market share in 2018; 40% in 2022.

Tesla, Ford, Volkswagen offers models with this chemistry.

Entry-level cathode, cost effective but less performance (especially in low temperature).



Improving chemistry and design of nickel-manganese-cobalt (NMC) cathodes

Increasing energy density and recharge time by improving on current NMC cathode design.

Lithium Battery Research – Near Term



Solid State Lithium Cathode Batteries

Li-ion EV batteries use a liquid electrolyte to move charge; solid-state batteries replace liquid with ceramics or other solid materials.

Pack more energy into a smaller space.

Improve safety by cutting fire risk.



Sodium-ion Cathode Batteries

Cut costs because they rely on cheaper, more widely available materials.

Charges faster and may last longer.

Likely more feasible for grid storage.

Company “Natron Energy” opened at-scale grid storage battery manufacturing facility in Michigan.



Silicon Anode Material

Replaces graphite as anode material.

Fitness tracking watch company already in use.

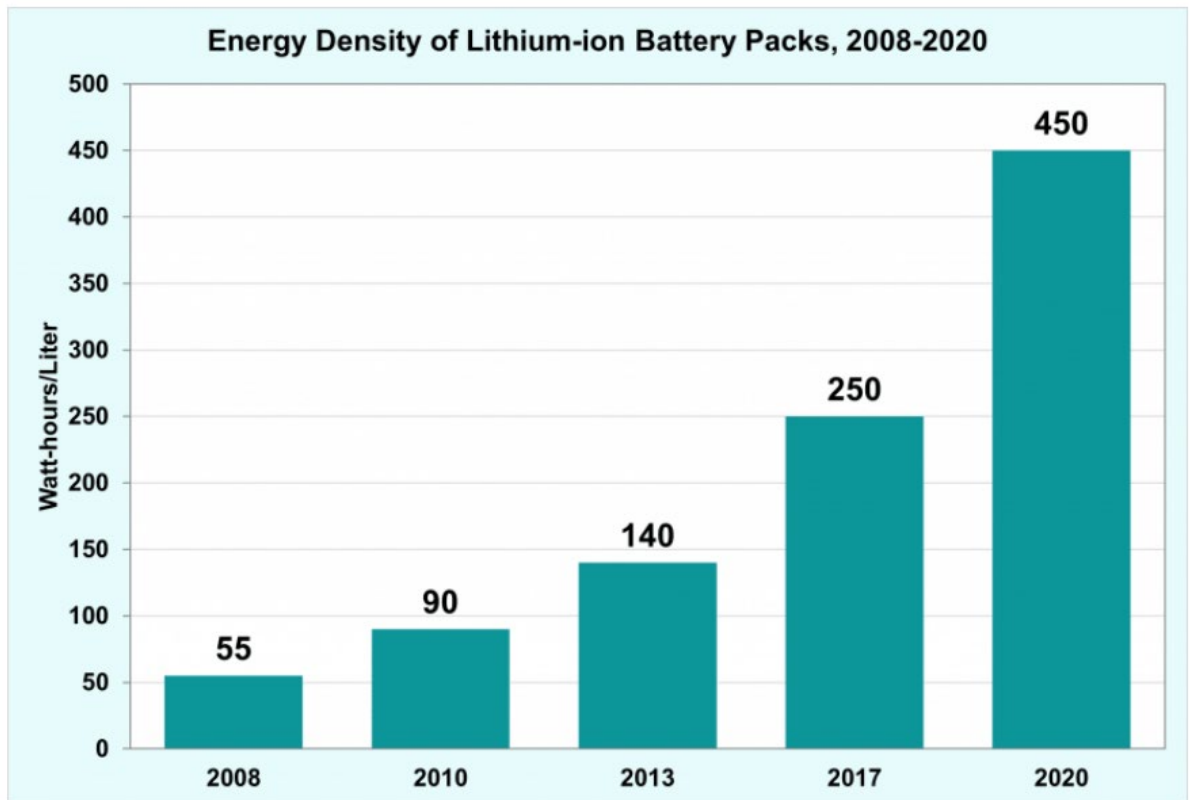
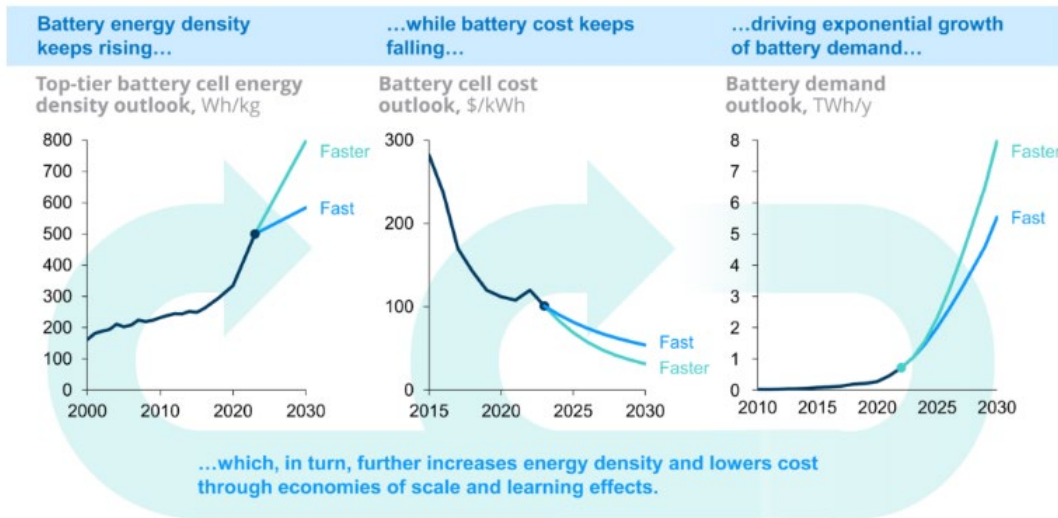
Mercedes-Benz projecting use in 2025.

Lithium Battery Trends

Energy density rapidly increasing

Charge time decreasing

Battery cell cost decreasing



Lithium Battery Material Production



China represents nearly 90% of global installed cathode active material manufacturing capacity and over 97% of anode active material manufacturing capacity today. Other major cathode capacity: Korea (9%) and Japan (3%).



China is home to almost 100% of the LFP production capacity and more than three-quarters of the installed lithium nickel manganese cobalt oxide (NMC) and other nickel-based chemistries production capacity, compared to 20% in Korea.



LFP is the most prevalent chemistry in the Chinese electric car market, while NMC batteries are more common in the European and American electric car markets.

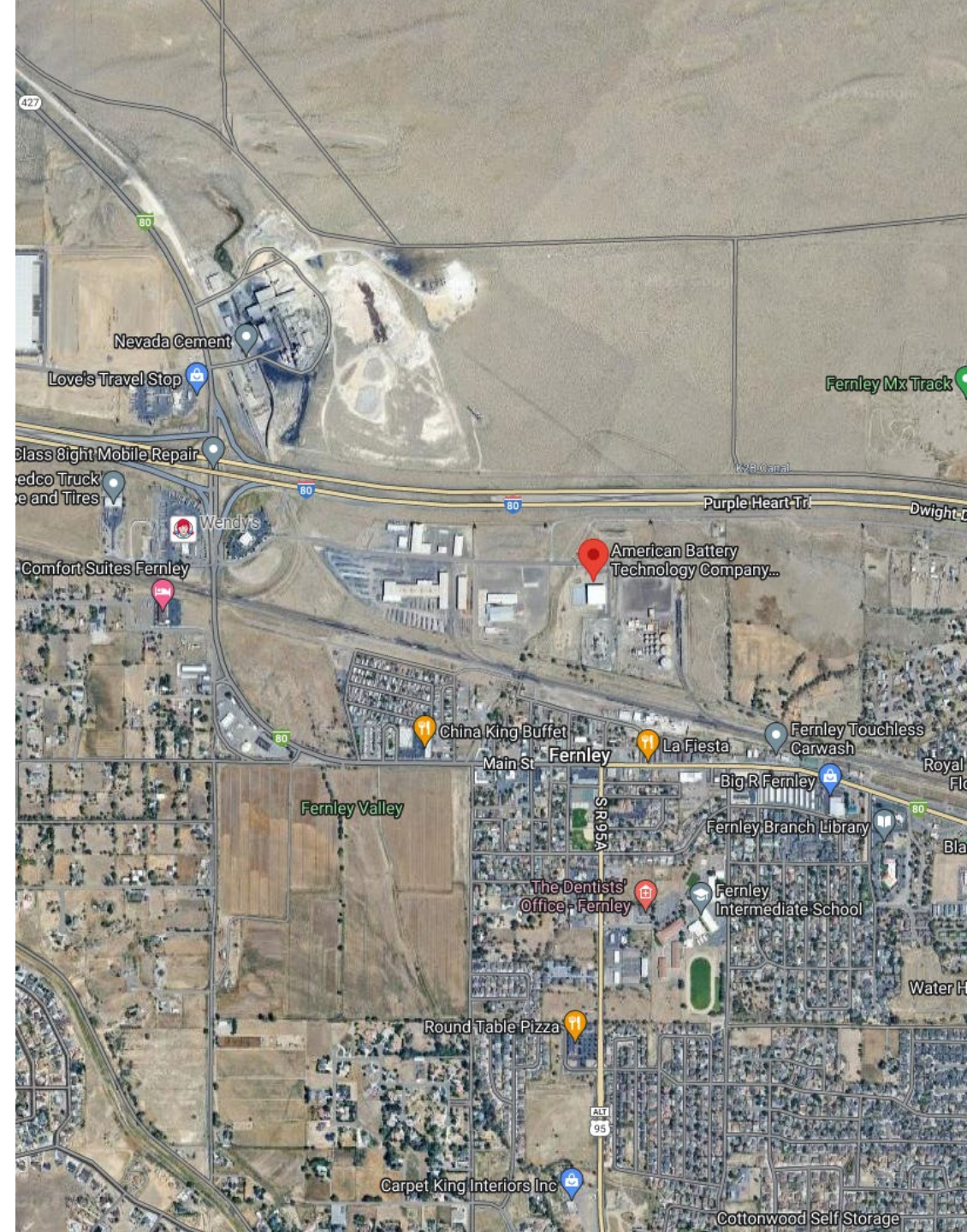
Battery Recycling

- Redwood Materials
 - Currently the largest battery recycler in NA
 - 300-acre industrial campus ~20mi east of Reno, just south of Gigafactory.
 - No money from federal government to date.
 - Not profitable right now, but unit operations are profitable. Spending on growth and R&D.
 - Sizable percent of nickel supply in NA and one of a few lithium producers in NA.
 - Produces other materials like copper foil.
 - Lithium prices affect them, but less than mining companies due to selling manufactured products.



Battery Recycling

- American Battery Technology Company (ABTC)
 - Announced start of operations at its commercial-scale, Lithium-Ion battery recycling facility in NV
 - This recycling facility has the capacity to process over 20,000 metric tonnes per year of battery feedstock materials when fully ramped
 - Second phase will further refine lithium intermediate into a battery grade lithium hydroxide product, and the black mass intermediate material will be further refined into battery grade Ni, Co, Mn, and LiOH products.



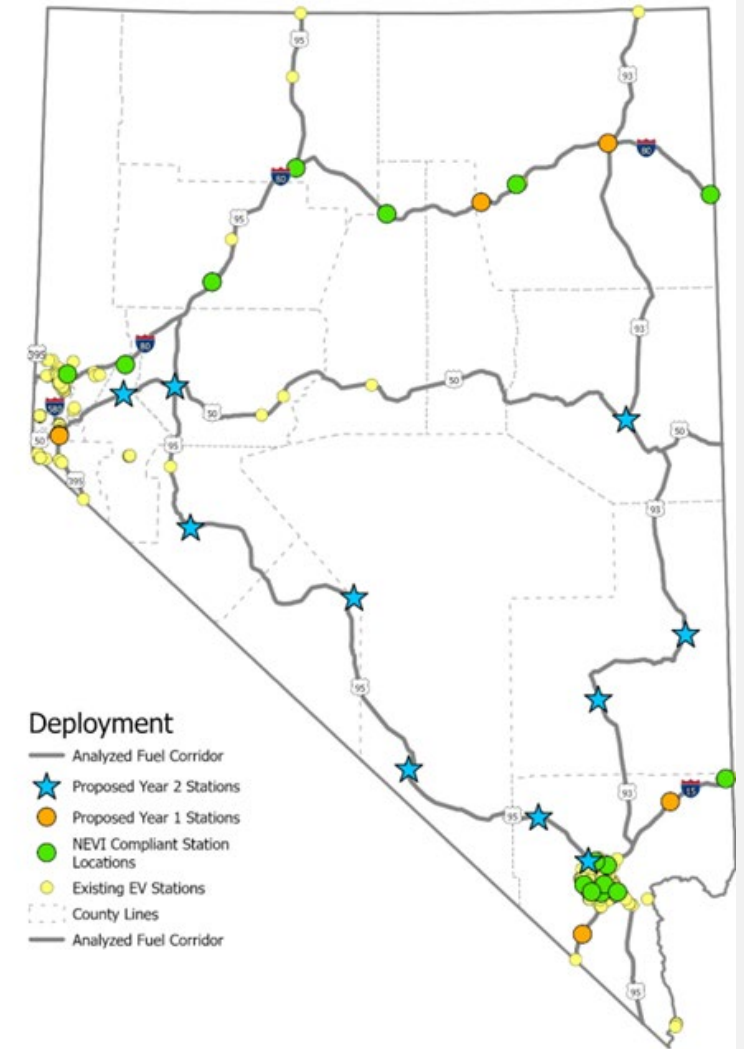
Commercial Fleet Charging

- Greenlane* announced 100+ commercial EV charging stations on I-15 between LA & Las Vegas (3/27/24, company press release).
 - First phase to be completed in late 2024 at the Colton site in San Bernadino.
 - Will accommodate medium- and heavy-duty vehicles (tractor trailers) with 400kWDCFC capability and medium-duty (school busses, trucks) with 200 kW DCFC capability.
 - Passenger vehicle charging as well.
 - Future plans for overnight charging lanes and eventual “Megawatt Charging Stations”.
 - Hopes to span across US and also provide hydrogen refueling stations.

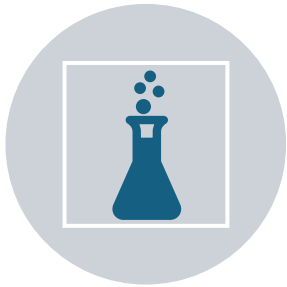


Commercial Fleet Charging

- Nevada Electric Highway Project
 - Partnership between Gov's Office of Energy (GOE), NV Energy, Valley Electric Association.
 - Sought to expand Nevada's EV charging infrastructure, initially along US 95, then to I-80, I-15, US 93 and US 50.
 - Phase I of the program announced in June 2015.
 - NV allocated \$24.8M from VW's alleged violations of Clean Air Act in 2016.
 - GOE awards funding for building EV stations as reimbursable subgrants.
 - "Electrify America" is also building stations along I-80 and I-15.



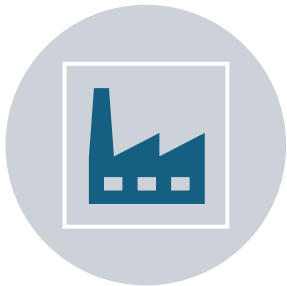
U.S. Tech Hubs Program



Authorized by the CHIPS and Science Act



31 states designated for different reasons



Economic development initiative designed to drive regional innovation and job creation by strengthening a region's capacity to manufacture, commercialize, and deploy technology that will advance American competitiveness.

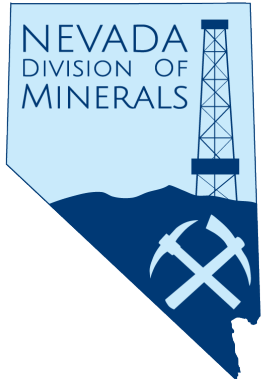


Nevada designated as a Tech Hub for “Strengthening our Critical Minerals Supply Chain” for the “Nevada Lithium Batteries and Other EV Material Loop” Aims to build self-sustaining and globally competitive full lithium lifecycle cluster, spanning extraction, processing, manufacturing and recycling.

Additional Information

If you'd like to know more, we can reach out to companies for a detailed presentation.

D.

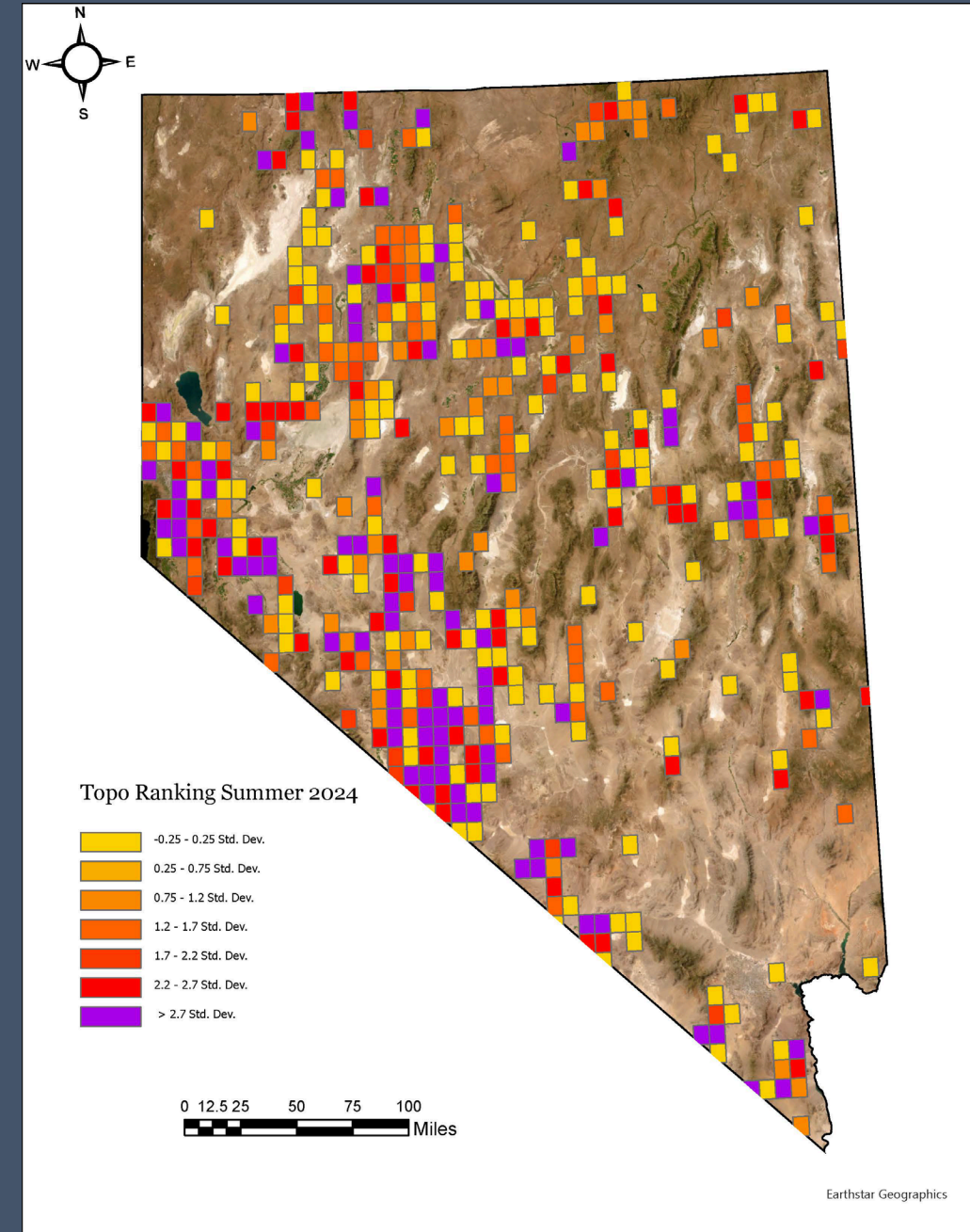


SUMMER 2024 INTERN PROGRAM



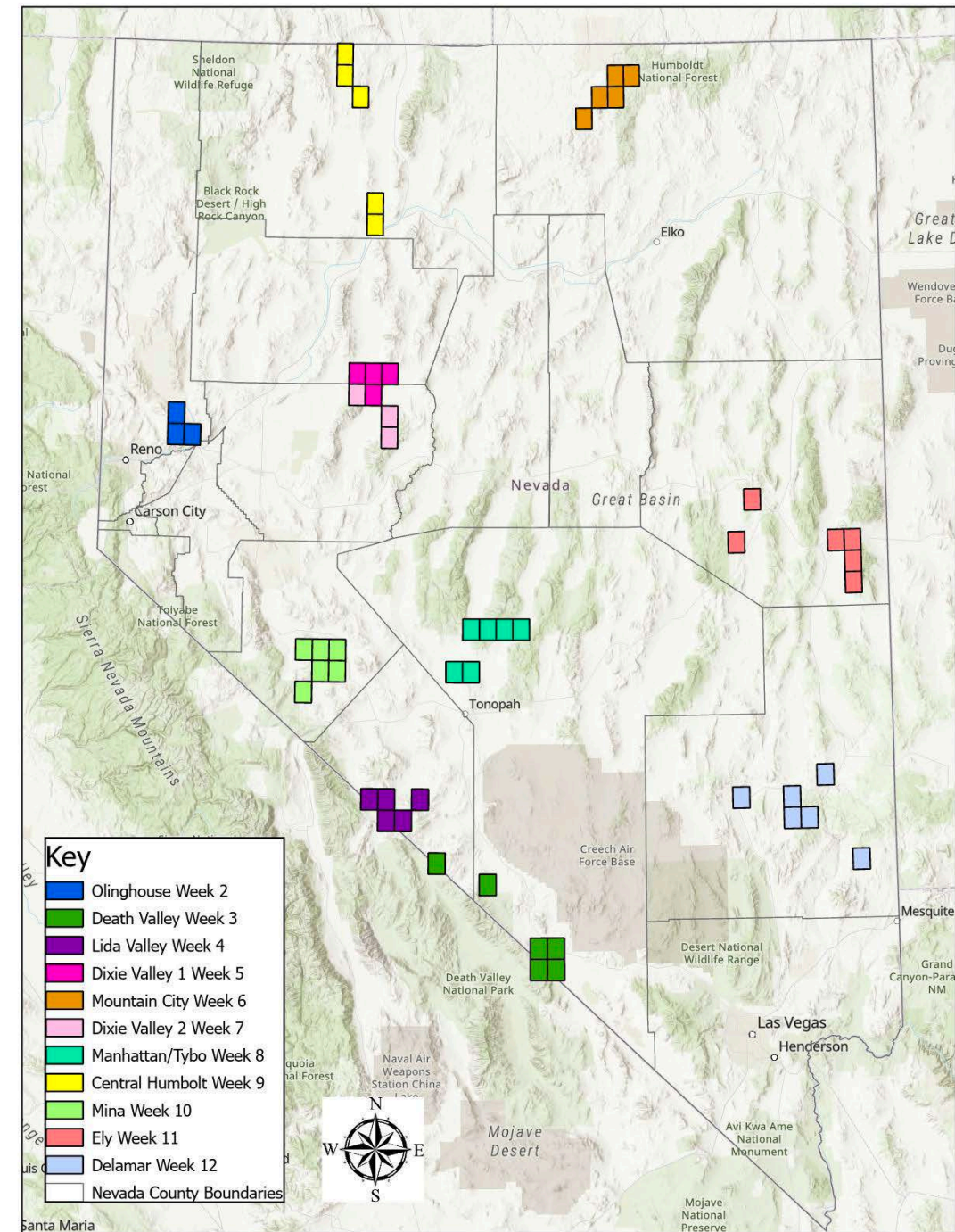
Target Location and Interns

HAZARD RANKING



REGIONAL TARGETS

Dates	Field days	Field areas
May 20 - 24	0	Training Week in Office
May 28 - 31	3	Training in Field; Olinghouse
June 3 - 7	5	Death Valley (NPS)
June 10 - 14	5	Lida Valley
June 17 - 21	5	Dixie Valley I
June 24 - 28	5	Mountain City
July 1 - 5	4	Dixie Valley II
July 8-12	5	Manhattan/Tybo
July 15 - 19	5	Central Humboldt
July 22 - 26	5	Mina
July 29 – Aug 7	10	Ely -> Delamar
Aug 12 - 16	0	Office Work/Clean Up Week



CHANGES FOR SUMMER 2024



- Emphasis on inventory, clearing topo quads, NV points, less emphasis on building fences
- Switch from Arcpad to Field Maps
- New Tracking and Communication Tech
- Vehicle Maintenance program
- One Designated Intern Leader

2024 INTERNS

Rocco Olson

University of Las Vegas, Las Vegas
Junior – Geology
Relevant Background – Interest in Hiking,
Data Entry, GIS, Manual Labor
(Construction)

Austin Warren

University of Nevada, Reno
Senior – Mining Engineering
Relevant Background – 3x Returning
Intern, US Marine Corp, MSHA Certified,
Leadership Skills

Anahi Guzman

University of Nevada, Reno
Sophomore – Geology
Relevant Background – GIS Skills, Mapping,
Interest in Geology, Conflict Resolution from
Customer Service Work

Zachary McCullough

Truckee Meadows Community College, Truckee
Senior – Emergency Management/ Fire
Technology
Relevant Background – Evaluating Hazardous
Situations, Safety, Mechanical Skills, EMT
Certified

INTERNS

Alex Vizcay

University of Nevada, Reno

Junior – Geology

Relevant Background – Tutoring &
Leadership, Geology Research,

Audrey Blair

University of Nevada, Reno

Sophomore – Geology

Relevant Background – Extensive Ranch
Work, Off Roding Skills, Mapping

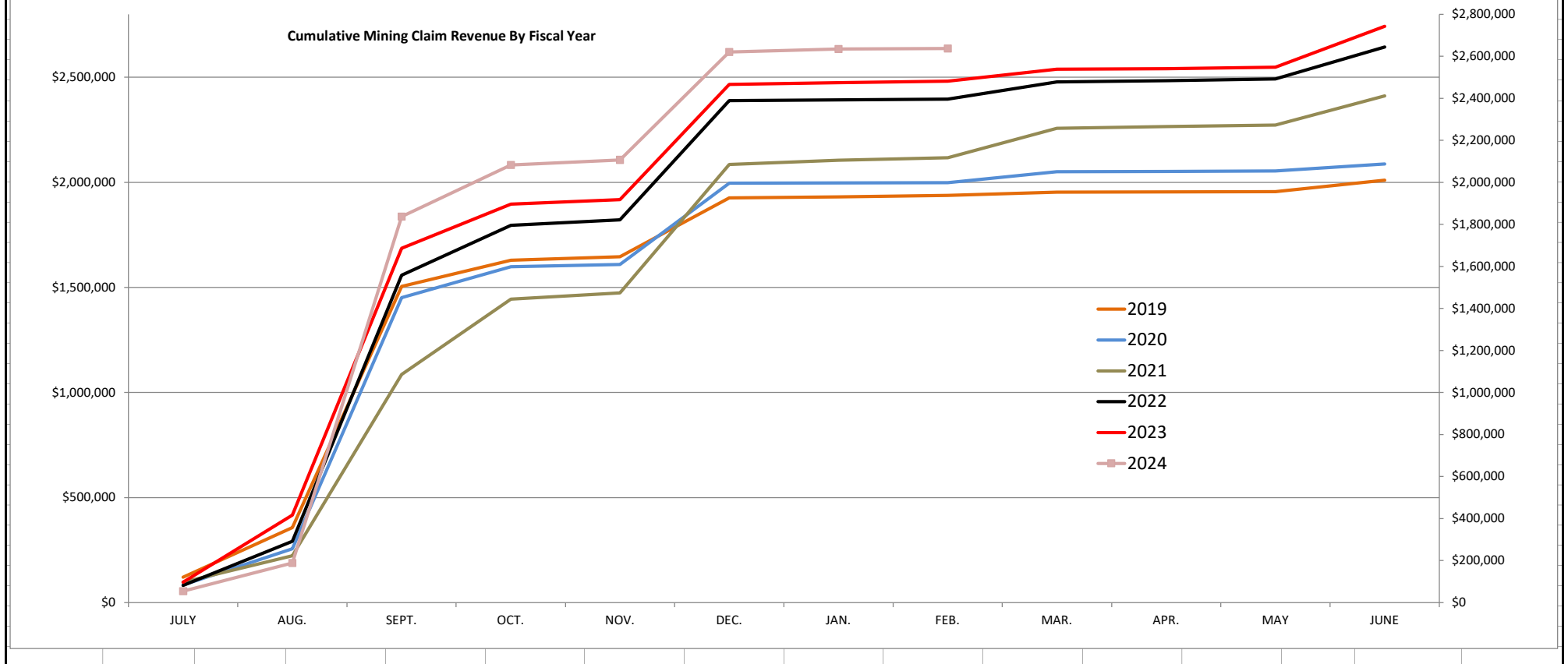


IV. OLD BUSINESS

A.

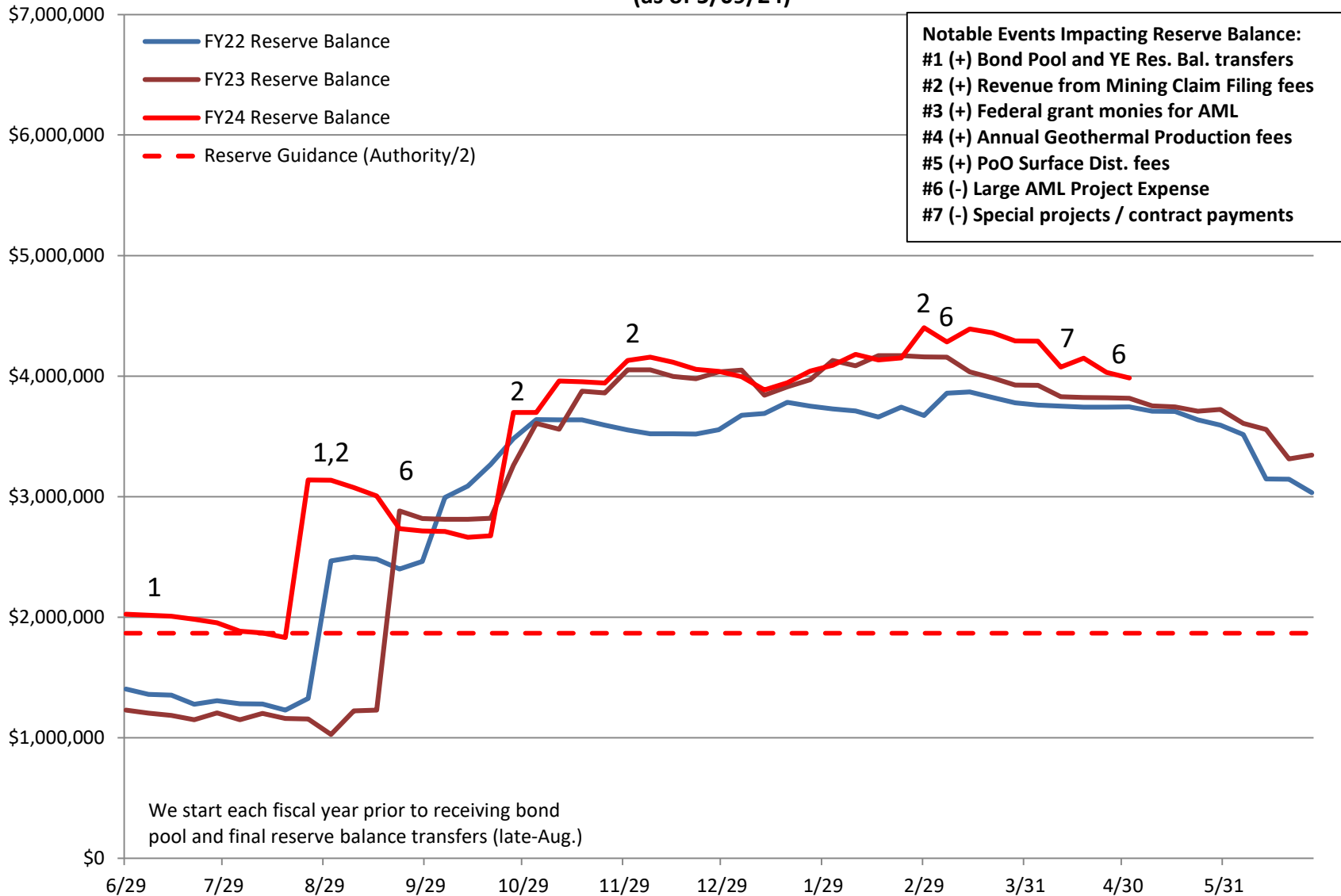
Fiscal Year Cumulative Mining Claim Revenue By Month

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	\$2,621,055	\$2,634,265	\$2,637,275					6.3%	263,728	thru feb
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 5/9/24; Pending: Esmeralda, Lyon, Storey, White Pine															
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)															



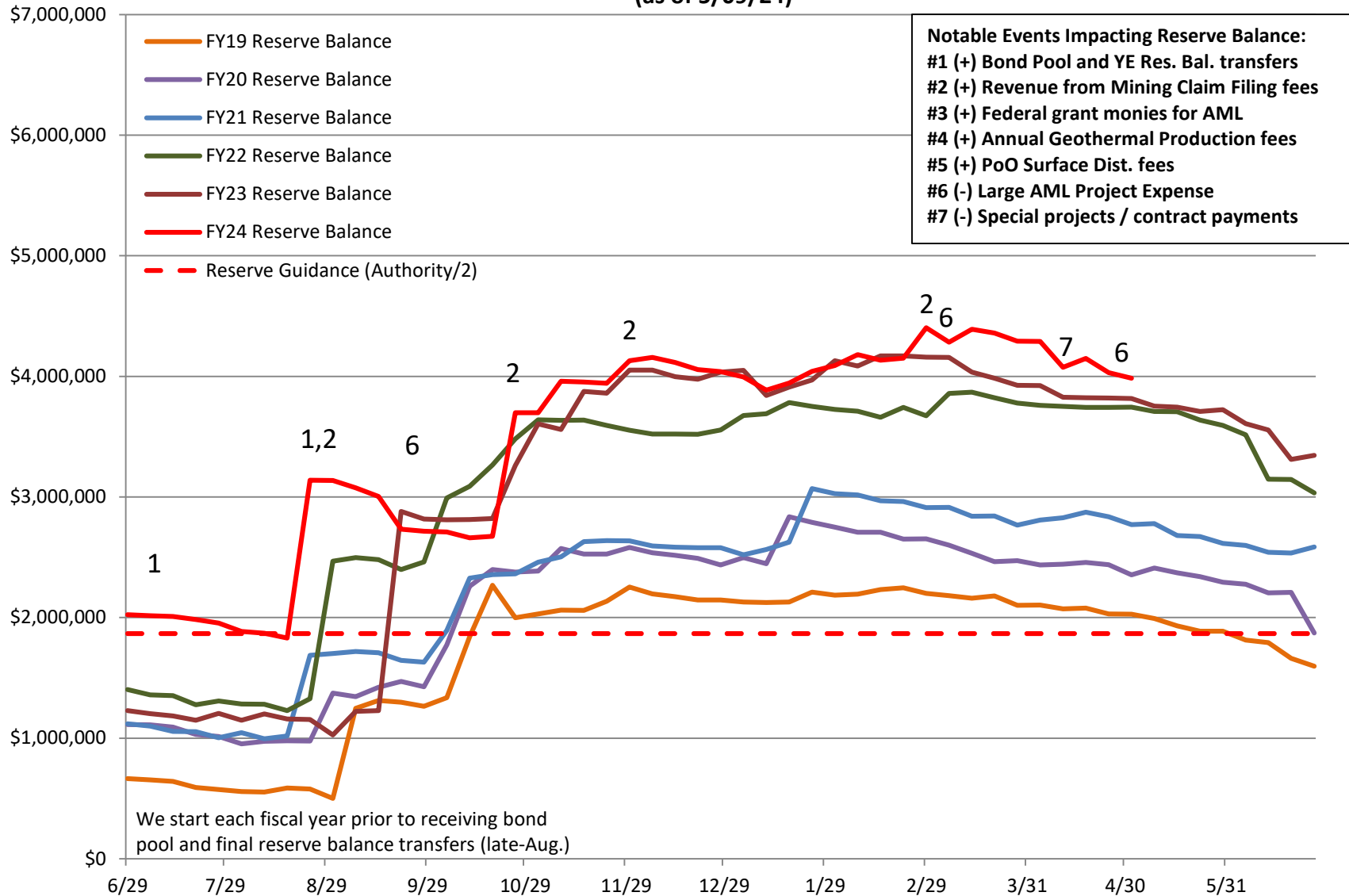
NDOM Reserve Balance by Week for FY19 - FY24

(as of 5/09/24)



NDOM Reserve Balance by Week for FY19 - FY24

(as of 5/09/24)



FY24 Mining Claim Fees by County (thru 5/9/2024)

Counties	Monthly or Quarterly	July	August	September	October	November	December	January	February	March	April	May
Carson	Quarterly			\$ 410			\$ 80			\$ 10		
Churchill	Quarterly			\$ 37,330			\$ 8,980			\$ 2,880		
Clark	Monthly	\$ 880	\$ 15,040	\$ 4,330	\$ 2,020	\$ 1,700	\$ 80	\$ 770	\$ 830	\$ 730		
Douglas	Quarterly			\$ 5,460			\$ 2,340			\$ 40		
Elko	Monthly	\$ 16,940	\$ 57,940	\$ 139,110	\$ 131,990	\$ 13,670	\$ 6,160	\$ 9,420	\$ 1,370	\$ 4,360		
Esmeralda	Quarterly			\$ 175,450			\$ 115,600					
Eureka	Monthly	\$ 20,040	\$ 14,320	\$ 204,420	\$ 29,990	\$ -	\$ 4,410	\$ 2,290	\$ 120	\$ 8,030		
Humboldt	Quarterly			\$ 146,450			\$ 79,980			\$ 2,720		
Lander	Quarterly			\$ 215,070			\$ 42,380			\$ 7,150		
Lincoln	Quarterly			\$ 42,500			\$ 13,100			\$ 1,310		
Lyon	Quarterly			\$ 48,820			\$ 14,300					
Mineral	Monthly	\$ 15,570	\$ 45,080	\$ 31,320	\$ 59,960	\$ 960	\$ 12,100	\$ 720	\$ 100	\$ 1,550		
Nye	Quarterly			\$ 322,240			\$ 118,940			\$ 15,560		
Pershing	Quarterly			\$ 84,560			\$ 58,860			\$ 3,810		
Storey	Quarterly			\$ 1,370			\$ 3,320					
Washoe	Monthly	\$ 1,470	\$ 635	\$ 3,600	\$ 21,850	\$ 7,270	\$ 850	\$ 10	\$ 590	\$ 40		
White Pine	Quarterly			\$ 186,870			\$ 32,940					

FY 24	\$ 54,900	\$ 133,015	\$ 1,649,310	\$ 245,810	\$ 23,600	\$ 514,420	\$ 13,210	\$ 3,010	\$ 48,190		
FY 23	\$ 97,420	\$ 319,200	\$ 1,175,110	\$ 209,470	\$ 22,020	\$ 552,040	\$ 8,450	\$ 7,320	\$ 147,100		
Difference:	\$ (42,520)	\$ (186,185)	\$ 474,200	\$ 36,340	\$ 1,580	\$ (37,620)	\$ 4,760	\$ (4,310)	\$ (98,910)	\$ -	\$ -
FY 24 CUMULATIVE	\$ 54,900	\$ 187,915	\$ 1,837,225	\$ 2,083,035	\$ 2,106,635	\$ 2,621,055	\$ 2,634,265	\$ 2,637,275	\$ 2,685,465	\$ 2,685,465	\$ 2,685,465

Thru Dec FY23	\$ 2,391,030	
Thru Dec FY24	\$ 2,637,275	
Difference	\$ 246,245	10%

On/Before Nov 1 FY23	\$ 1,801,200	
On/Before Nov 1 FY24	\$ 2,083,035	
	\$ 281,835	16%

2024 Projected revenue	\$ 3,025,372
2024 Projected filings	302,537

June	Total
	\$ 500
	\$ 49,190
	\$ 26,380
	\$ 7,840
	\$ 380,960
	\$ 291,050
	\$ 283,620
	\$ 229,150
	\$ 264,600
	\$ 56,910
	\$ 63,120
	\$ 167,360
	\$ 456,740
	\$ 147,230
	\$ 4,690
	\$ 36,315
	\$ 219,810

\$ 2,685,465

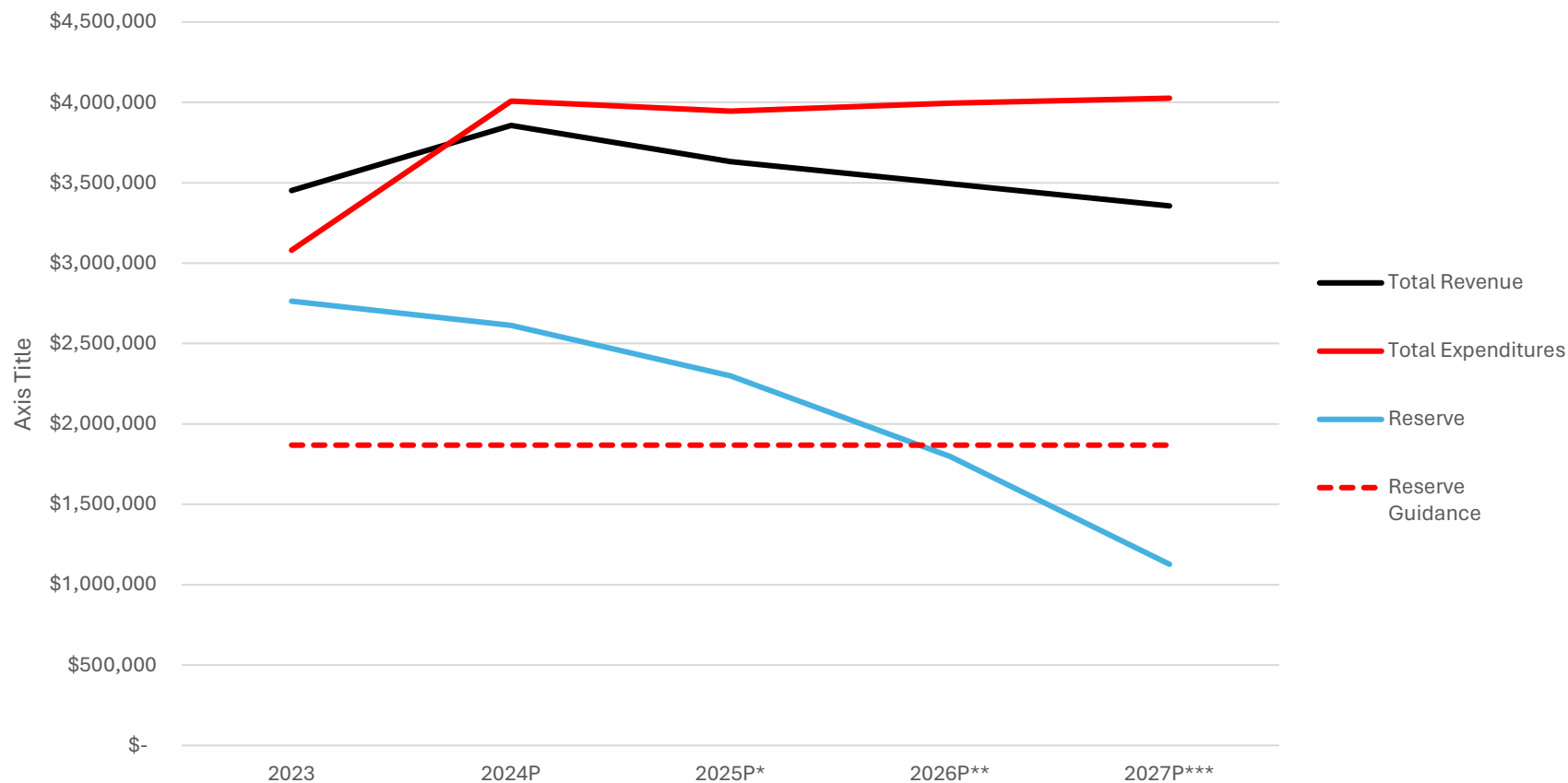
\$ -

\$ 2,685,465 \$ 5,370,930

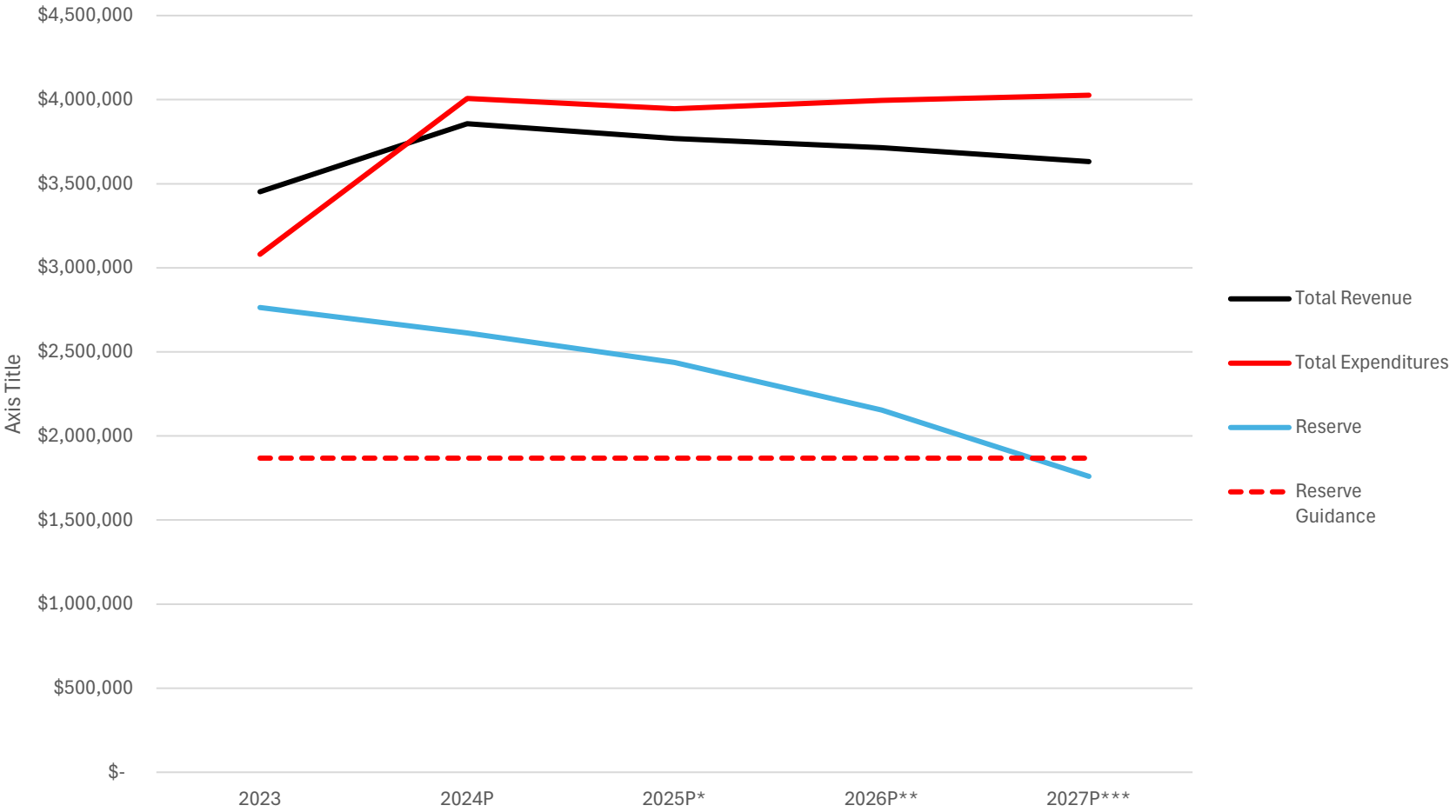
				Revenues										Expenditures										
				Mining Claims NRS 513.094 (GL 3718, 3727)		Disturbance Fee NRS 519A.250 (GL 3770)		Fluid Minerals Program (NRS 522, 534A, & 534B) GL 3654, 3717, 3736, 3740		Federal Funding (GL 3578, 3580, 3584)		Other Revenue Sources Combined		Salaries			Cat 39, AML Contracting		Cat 09 Special Projects (Non AML contracts (UNR), AME/PDAC)		Other Expenditures Sources Combined (Computers/IT, Vehicles, Office Equipment, AEMA, Operation expenses, travel, ASD, HR, ect...)			
Fiscal Year	Total Revenue	Total Expenditures	Reserve	Revenue Amount	% of total Revenue	Revenue Amount	% of total Revenue	Revenue Amount	% of total Revenue	Revenue Amount	% of total Revenue	Revenue Amount	% of total Revenue	Expenditure Amount	% of total expenditur e	% of total revenue	Expenditure Amount	% of total expenditure	Expenditure Amount	% of total expenditure	Expenditure Amount	% of total expenditure	% of total revenue	
2013	\$ 2,434,903	\$ 2,523,666	\$ 902,137	\$ 1,856,459	76%	\$ 228,220	9%	\$ 173,381	7%	\$ 69,031	3%	\$ 107,813	4%	\$ 974,493	39%	40%	\$ 150,289	6%	\$ 929,402	37%	\$ 469,482	19%	19%	
2014	\$ 2,129,043	\$ 2,276,913	\$ 676,572	\$ 1,657,789	78%	\$ 125,300	6%	\$ 155,712	7%	\$ 92,002	4%	\$ 98,240	5%	\$ 1,033,397	45%	49%	\$ 90,428	4%	\$ 574,237	25%	\$ 578,851	25%	27%	
2015	\$ 2,065,291	\$ 2,127,148	\$ 596,729	\$ 1,585,539	77%	\$ 106,320	5%	\$ 148,165	7%	\$ 131,713	6%	\$ 93,555	5%	\$ 1,009,184	47%	49%	\$ 105,447	5%	\$ 516,550	24%	\$ 495,967	23%	24%	
2016	\$ 2,112,366	\$ 1,907,836	\$ 962,128	\$ 1,674,866	79%	\$ 45,220	2%	\$ 207,769	10%	\$ 66,859	3%	\$ 117,652	6%	\$ 1,095,422	57%	52%	\$ 45,803	2%	\$ 388,534	20%	\$ 378,077	20%	18%	
2017	\$ 2,466,405	\$ 2,044,743	\$ 1,257,454	\$ 1,799,045	73%	\$ 82,040	3%	\$ 218,514	9%	\$ 169,975	7%	\$ 196,832	8%	\$ 979,757	48%	40%	\$ 135,777	7%	\$ 442,934	22%	\$ 486,275	24%	20%	
2018	\$ 2,566,589	\$ 2,602,529	\$ 1,180,231	\$ 2,032,980	79%	\$ 27,440	1%	\$ 209,066	8%	\$ 26,833	1%	\$ 270,270	11%	\$ 1,129,169	43%	44%	\$ 507,677	20%	\$ 484,648	19%	\$ 481,035	18%	19%	
2019	\$ 2,639,483	\$ 2,400,919	\$ 1,478,453	\$ 1,993,030	76%	\$ 29,140	1%	\$ 204,853	8%	\$ 143,884	5%	\$ 268,576	10%	\$ 1,153,607	48%	44%	\$ 628,508	26%	\$ 156,936	7%	\$ 461,868	19%	17%	
2020	\$ 2,757,646	\$ 2,483,242	\$ 1,378,456	\$ 2,114,150	77%	\$ 81,740	3%	\$ 202,007	7%	\$ 169,241	6%	\$ 190,508	7%	\$ 1,180,536	48%	43%	\$ 740,135	30%	\$ 154,225	6%	\$ 408,345	16%	15%	
2021	\$ 3,124,416	\$ 2,289,320	\$ 1,811,673	\$ 2,411,550	77%	\$ 102,180	3%	\$ 166,858	5%	\$ 230,512	7%	\$ 213,315	7%	\$ 1,156,212	51%	37%	\$ 481,462	21%	\$ 209,936	9%	\$ 441,710	19%	14%	
2022	\$ 3,455,048	\$ 3,048,429	\$ 2,863,493	\$ 2,644,100	77%	\$ 92,080	3%	\$ 191,618	6%	\$ 358,136	10%	\$ 169,114	5%	\$ 1,179,338	39%	34%	\$ 1,133,856	37%	\$ 152,015	5%	\$ 583,220	19%	17%	
2023	\$ 3,452,304	\$ 3,080,390	\$ 2,763,715	\$ 2,742,890	79%	\$ 14,380	0%	\$ 237,847	7%	\$ 200,000	6%	\$ 257,187	7%	\$ 1,131,846	37%	33%	\$ 1,076,806	35%	\$ 317,112	10%	\$ 554,626	18%	16%	
2024P	\$ 3,856,868	\$ 4,007,912	\$ 2,612,671	\$ 2,766,868	72%	\$ 15,000	0%	\$ 225,000	6%	\$ 675,000	18%	\$ 175,000	5%	\$ 1,411,296	35%	37%	\$ 1,750,000	44%	\$ 508,873	13%	\$ 664,000	17%	17%	
2025P*	\$ 3,906,206	\$ 3,945,133	\$ 2,573,744	\$ 2,750,000	70%	\$ 50,000	1%	\$ 218,000	6%	\$ 675,000	17%	\$ 213,206	5%	\$ 1,515,045	38%	39%	\$ 1,500,000	38%	\$ 255,088	6%	\$ 675,000	17%	17%	
2026P*	\$ 3,906,206	\$ 3,995,345	\$ 2,484,604	\$ 2,750,000	70%	\$ 50,000	1%	\$ 218,000	6%	\$ 675,000	17%	\$ 213,206	5%	\$ 1,545,345	39%	40%	\$ 1,500,000	38%	\$ 250,000	6%	\$ 700,000	18%	18%	
2027P*	\$ 3,906,206	\$ 4,026,252	\$ 2,364,557	\$ 2,750,000	70%	\$ 50,000	1%	\$ 218,000	6%	\$ 675,000	17%	\$ 213,206	5%	\$ 1,576,252	39%	40%	\$ 1,500,000	37%	\$ 250,000	6%	\$ 700,000	17%	18%	

*notes: Mining claims are projected flat
Disturbance fees and other revenues forecasted at 3-year average
Fluids Fees forecasted at FY24 estimate
Increased federal funding due to ongoing agreements and discussions with federal partners.
Salaries Included the 11% cola expected in FY25, removed the retirement payout from FY24, added 2% cola in FY26 & 27
AML Contracts forecasted at \$1.5 million from known AML project pipeline
CAT 09 is projected for a total of \$250k in contracts, \$35k for PDAC/AME, \$15k for NvMA and \$200k TBD
Other expenditures at current costs + addition of HR services, and increased costs of vehicles and travel
Expenditures will exceed revenue to get back to a \$2 million reserve

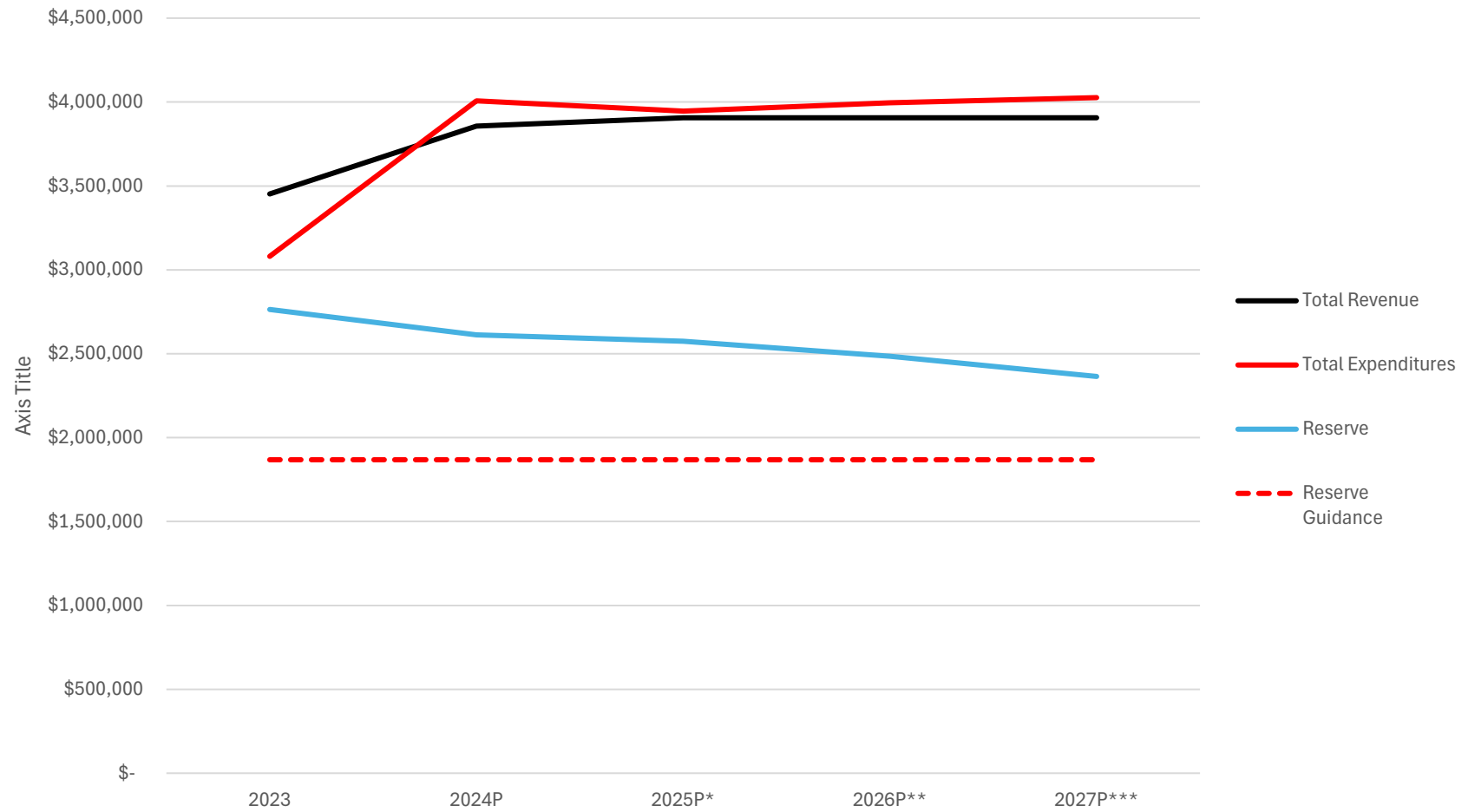
Mining Claims Drop 20% by FY 2027



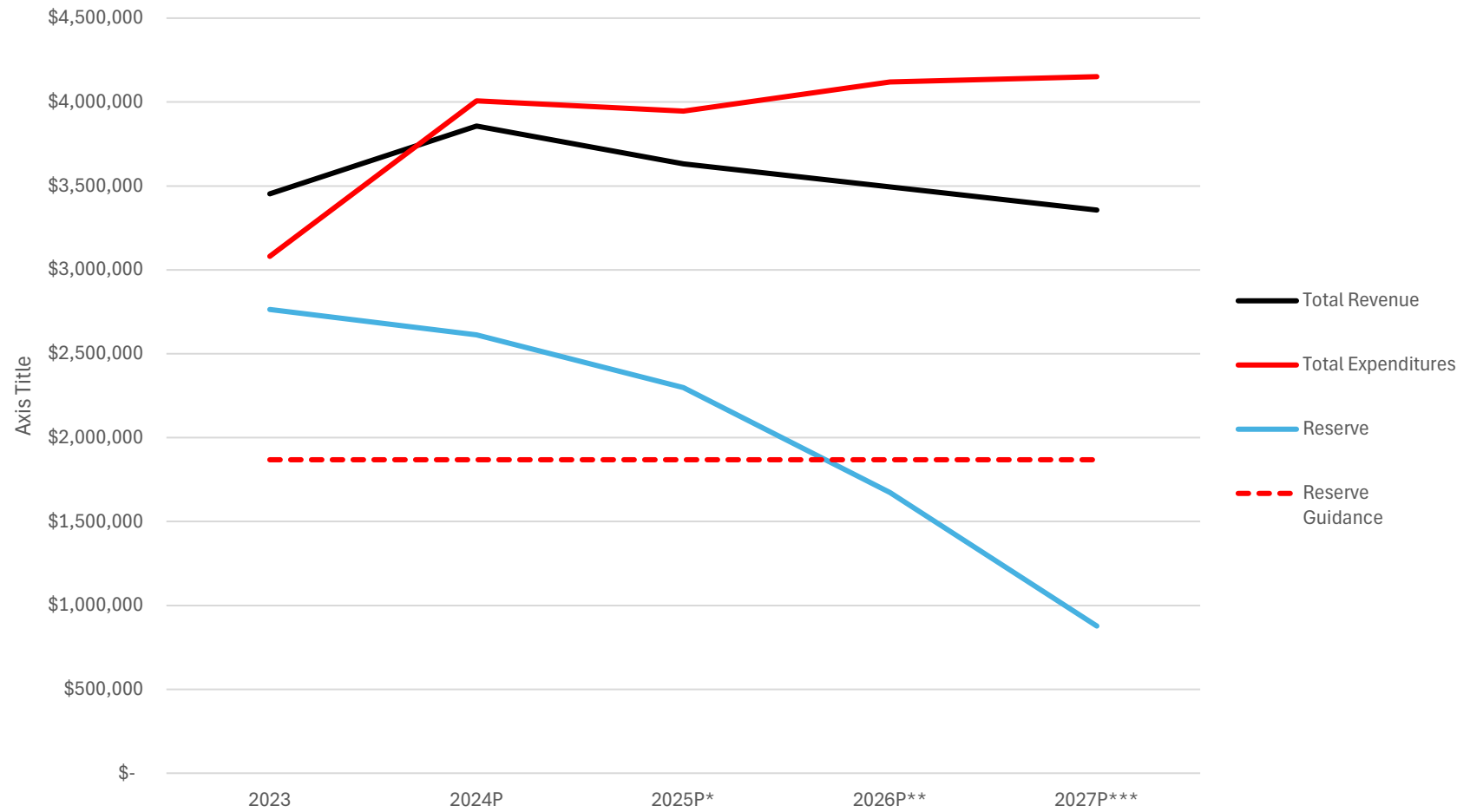
Mining Claims Drop 10% by FY 2027



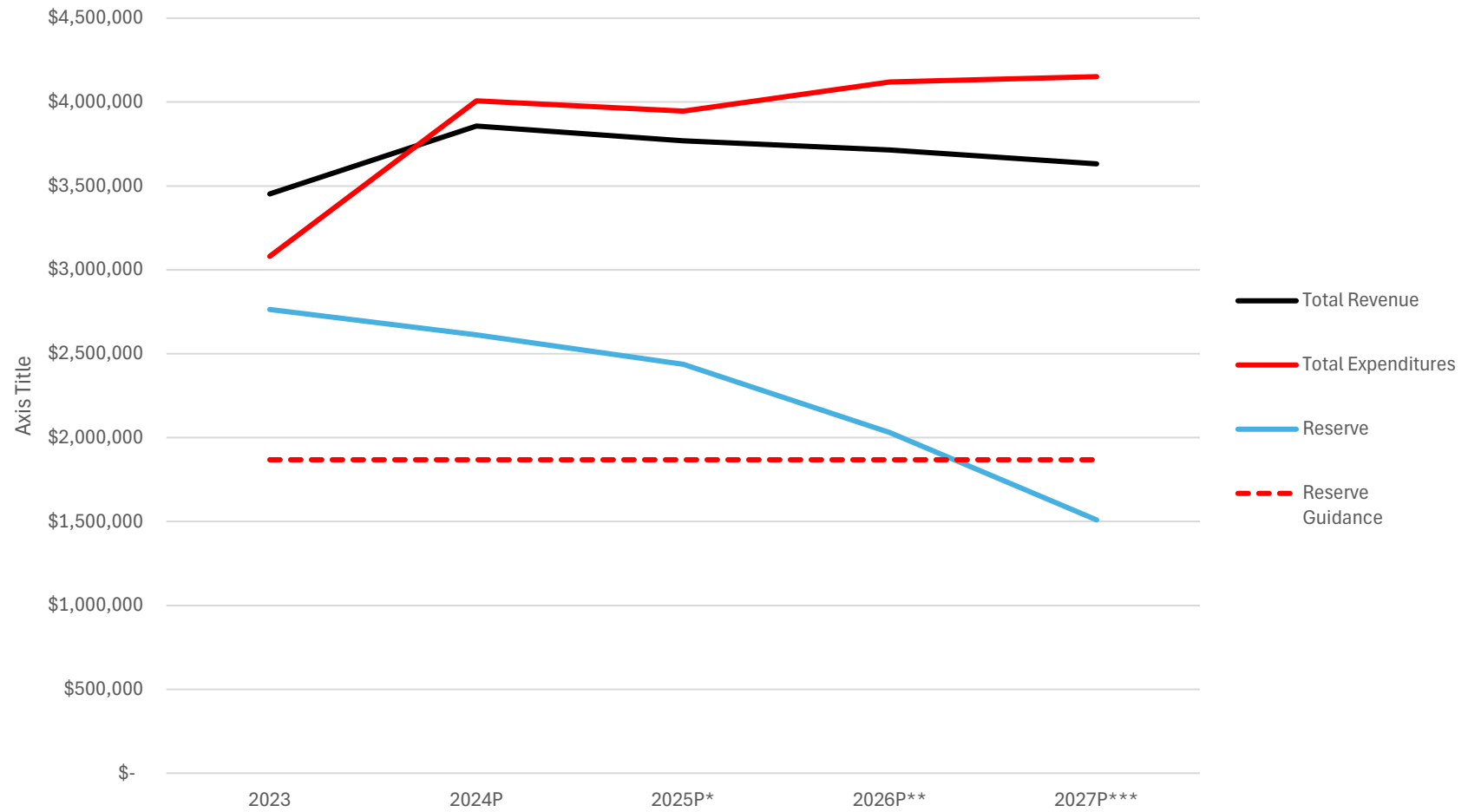
Mining Claims Remain Flat



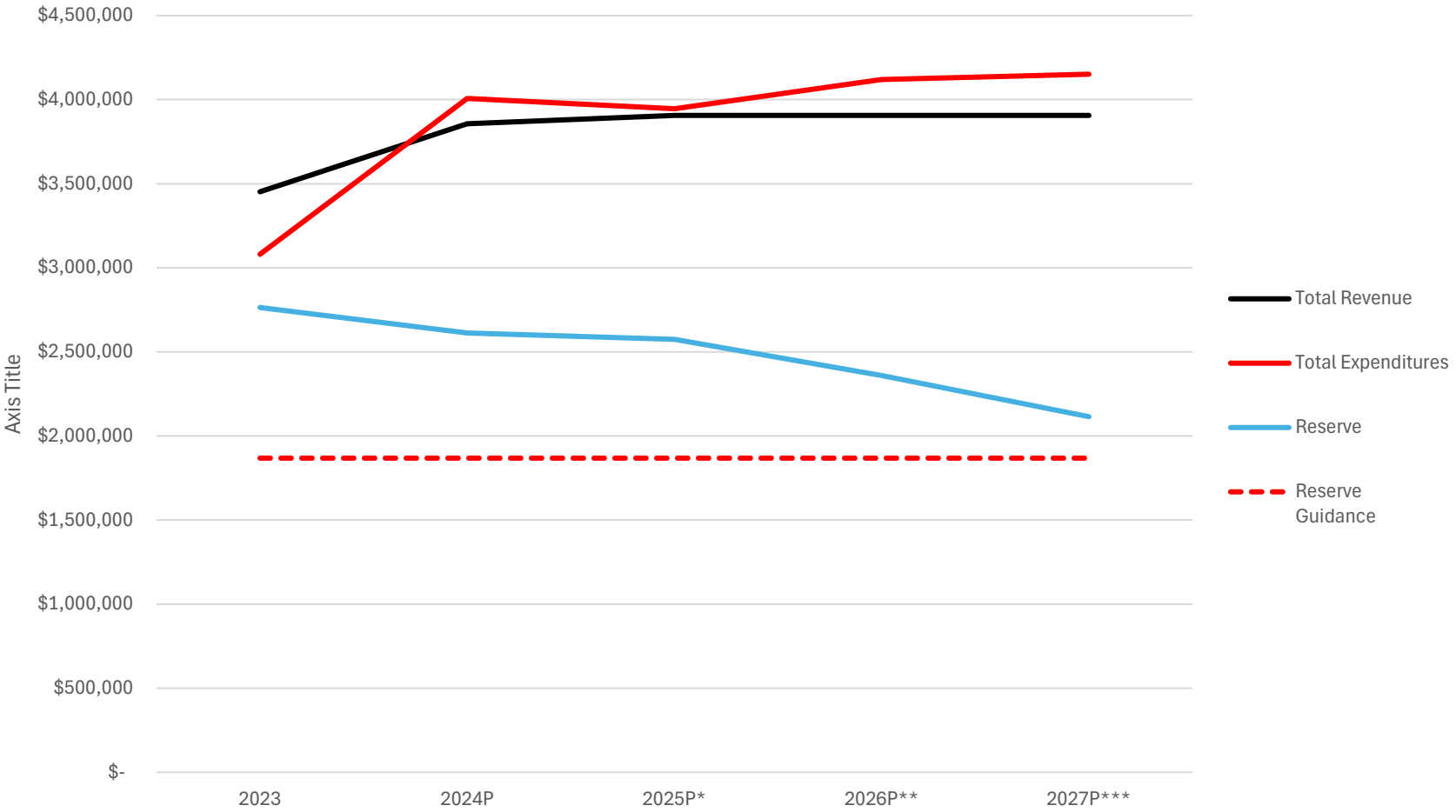
Mining Claims Drop 20% by FY 2027 & Add One FTE



Mining Claims Drop 10% by FY 2027 & Add One FTE



Mining Claims Remain Flat & Add One FTE



B.

EXAMPLE

AN ACT ENTERING THE INTERSTATE MINING COMPACT; AGREEING TO THE REQUIREMENTS OF THE COMPACT; AUTHORIZING THE GOVERNOR TO APPOINT A DESIGNEE TO THE COMMISSION; ALLOWING THE DEPARTMENT OF ENVIRONMENTAL QUALITY TO FUND MEMBERSHIP IN THE COMMISSION; AND PROVIDING AN IMMEDIATE EFFECTIVE DATE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MONTANA:

Section 1. Interstate Mining Compact. This state enacts into law and enters into the Interstate Mining Compact with all states that enact the compact in the form substantially contained in [section 2].

Section 2. Text of Interstate Mining Compact. The Interstate Mining Compact referred to in [sections 1 through 4] reads as follows:

Article I. Findings and Purposes

- (1) The party states find that:
 - (a) Mining and the contributions of mining to the economy and well-being of every state are of basic significance.
 - (b) The effects of mining on the availability of land, water, and other resources for other uses present special problems which properly can be approached only with due consideration for the rights and interests of those engaged in mining, those using or proposing to use these resources for other purposes, and the public.
 - (c) Measures for the reduction of the adverse effects of mining on land, water, and other resources may be costly and the devising of means to deal with them are of both public and private concern.
 - (d) Variables including soil structure and composition, physiography, climatic conditions, and the needs of the public make impracticable the application to all mining areas of a single standard for the

conservation, adaptation, or restoration of mined land, or the development of mineral and other natural resources; but justifiable requirements of law and practice relating to the effects of mining on lands, water, and other resources may be reduced in equity or effectiveness unless they pertain similarly from state to state for all mining operations similarly situated.

(e) The states are in a position and have the responsibility to assure that mining is conducted in accordance with sound conservation principles and with due regard for local conditions.

(2) The purposes of this compact are to:

(a) Advance the protection and restoration of land, water, and other resources affected by mining.

(b) Assist in the reduction or elimination or counteracting of pollution or deterioration of land, water, and air attributable to mining.

(c) Encourage, with due recognition of relevant regional, physical, and other differences, programs in each of the party states which will achieve comparable results in protecting, conserving, and improving the usefulness of natural resources, to the end that the most desirable conduct of mining and related operations may be universally facilitated.

(d) Assist the party states in their efforts to facilitate the use of land and other resources affected by mining, so that the use may be consistent with sound land use, public health, and public safety, and to this end to study and recommend, wherever desirable, techniques for the improvement, restoration, or protection of the land and other resources.

(e) Assist in achieving and maintaining an efficient and productive mining industry and in increasing economic and other benefits attributable to mining.

Article II. Definitions

As used in this compact, the term:

(1) "Mining" means the breaking of the surface soil in order to facilitate or accomplish the extraction or removal of minerals, ores, or other solid matter, any activity or process constituting all or part of a process for the extraction or removal of minerals, ores, and other solid matter from its original location, and the preparation, washing, cleaning, or other treatment of minerals, ores, or other solid matter so as to make them suitable for commercial, industrial, or construction use; but does not include those aspects of deep mining not having significant effect on the surface, and does not include excavation of grading when conducted solely in

aid of on-site farming or construction.

(2) "State" means a state of the United States, the District of Columbia, the Commonwealth of Puerto Rico, or a Territory or Possession of the United States.

Article III. State Programs

Each party state agrees that within a reasonable time it will formulate and establish an effective program for the conservation and use of mined land, by the establishment of standards, enactment of laws, or the continuing of the same in force, to accomplish:

(1) The protection of the public and the protection of adjoining and other landowners from damage to their lands and the structures and other property on that land resulting from the conduct of mining operations or the abandonment or neglect of land and property formerly used in the conduct of those operations.

(2) The conduct of mining and the handling of refuse and other mining wastes in ways that will reduce adverse effects on the economic, residential, recreational, or aesthetic value and utility of land and water.

(3) The institution and maintenance of suitable programs of adaptation, restoration, and rehabilitation of mined lands.

(4) The prevention, abatement and control of water, air, and soil pollution resulting from mining — present, past, and future.

Article IV. Powers

In addition to any other powers conferred upon the Interstate Mining Commission, established by article V of this compact, the Commission shall have power to:

(1) Study mining operations, processes, and techniques for the purpose of gaining knowledge concerning the effects of the operations, processes, and techniques on land, soil, water, air, plant and animal life, recreation, and patterns of community or regional development or change.

(2) Study the conservation, adaptation, improvement, and restoration of land and related resources affected by mining.

(3) Make recommendations concerning any aspect or aspects of law or practice and governmental administration dealing with matters within the purview of this compact.

(4) Gather and disseminate information relating to any of the matters within the purview of this

compact.

(5) Cooperate with the federal government and any public or private entities having interests in any subject coming within the purview of this compact.

(6) Consult, upon the request of a party state and within available resources, with the officials of the state in respect to any problem within the purview of this compact.

(7) Study and make recommendations with respect to any practice, process, technique, or course of action that may improve the efficiency of mining or the economic yield from mining operations.

(8) Study and make recommendations relating to the safeguarding of access to resources which are or may become the subject of mining operations to the end that the needs of the economy for the products of mining may not be adversely affected by unplanned or inappropriate use of land and other resources containing minerals or otherwise connected with actual or potential mining sites.

Article V. The Commission

(1) There is an agency of the party states to be known as the "Interstate Mining Commission", or "the Commission". The Commission is composed of one commissioner from each party state who is the governor of that state. Pursuant to the laws of the party state, each governor shall have the assistance of an advisory body (including membership from mining industries, conservation interests, and other public and private interests as may be appropriate) in considering problems relating to mining and in discharging the responsibilities as a Commissioner on the Commission. In any instance where a governor is unable to attend a meeting of the commission or perform any other function in connection with the business of the commission, the governor shall designate an alternate, from among the members of the advisory body required by this paragraph, who shall represent the governor and act in the governor's place and stead. The designation of an alternate shall be communicated by the governor to the commission as provided in its bylaws.

(2) The commissioner is entitled to one vote each on the commission. No action of the commission making a recommendation pursuant to article IV-3, IV-7, and IV-8 or requesting, accepting, or disposing of funds, services, or other property pursuant to this paragraph, article V (7), V (8), or VII shall be valid unless taken at a meeting at which a majority of the total number of votes on the commission is cast in favor of the action. All other action shall be by a majority of those present and voting: provided that action of the commission is only at a meeting at which a majority of the commissioners, or their alternates, is present. The

commission may establish and maintain facilities as may be necessary for the transaction of its business. The commission may acquire, hold, and convey real and personal property and any interest in that property.

(3) The commission shall have a seal.

(4) The commission shall elect annually, from among its members, a presiding officer, a vice-presiding officer, and a treasurer. The commission shall appoint an executive director and fix the executive director's duties and compensation. The executive director shall serve at the pleasure of the commission. The executive director, the treasurer, and other personnel as the commission designates shall be bonded. The amount or amounts of the bond or bonds is determined by the commission.

(5) Irrespective of the civil service, personnel, or other merit system laws of any of the party states, the executive director, with the approval of the commission, shall appoint, remove, or discharge personnel as may be necessary for the performance of the commission's functions, and shall fix the duties and compensation of personnel.

(6) The commission may establish and maintain independently or in conjunction with a party state, a suitable retirement system for its employees. Employees of the commission are eligible for social security coverage in respect of old age and survivor's insurance provided that the commission takes steps necessary pursuant to the laws of the United States to participate in a program of insurance as a governmental agency or unit. The commission may establish and maintain or participate in additional programs of employee benefits as it deems appropriate.

(7) The commission may borrow, accept, or contract for the services of personnel from any state, the United States, or any other governmental agency, or from any person, firm, association, or corporation.

(8) The commission may accept for any of its purposes and functions under this compact any and all donations, and grants of money, equipment, supplies, materials, and services, conditional or otherwise, from any state, the United States, or any other governmental agency, or from any person, firm, association, or corporation, and may receive, utilize, and dispose of the same. Any donation or grant accepted by the commission pursuant to this paragraph or services borrowed pursuant to paragraph (7) of the article shall be reported in the annual report of the commission. The report shall include the nature, amount, and conditions, if any, of the donation, grant, or services borrowed and the identity of the donor or lender.

(9) The commission shall adopt bylaws for the conduct of its business and has the power to amend

and rescind these bylaws. The commission shall publish its bylaws in convenient form and file a copy of its bylaws and a copy of any amendment to the bylaws with the appropriate agency or officer in each of the party states.

(10) The commission annually shall make to the governor, legislature, and advisory body required by article V(1) of each party state a report covering the activities of the commission for the preceding year, and embodying the recommendations made by the commission. The commission may make additional reports as it deems desirable.

Article VI. Advisory, Technical, and Regional Committees

The commission shall establish advisory, technical, and regional committees as it deems necessary, membership on which includes private persons and public officials and shall cooperate with the use and services of any committees and the organizations which the members represent in furthering any of its activities. The committees may be formed to consider problems of special interest to any party states, problems dealing with particular commodities or types of mining operations, problems related to reclamation, development, or use of mined land, or any other matters of concern to the commission.

Article VII. Finance

(1) The commission shall submit to the governor or designated officer or officers of each party state a budget of its estimated expenditures for such period as may be required by the laws of that party state for presentation to the legislature.

(2) Each of the commission's budgets of estimated expenditures shall contain specific recommendations of the amount or amounts to be appropriated by each of the party states. The total amount of appropriations requested under any budget shall be apportioned among the party states as follows: one-half in equal shares, and the remainder in proportion to the value of minerals, ores, and other solid matter mined. In determining the values, the commission shall employ available public source or sources of information as, in its judgment, present the most equitable and accurate comparisons among the party states. Each of the commission's budgets of estimated expenditures and requests for appropriations shall indicate the source or sources used in obtaining information concerning value of minerals, ores, and other solid matter mined.

(3) The commission shall not pledge the credit of any party state. The commission may meet any of its obligations in whole or in part with funds available to it under article V(8) of this compact; provided that the

commission takes specific action setting aside the funds prior to incurring any obligation to be met in whole or in part in such manner. Except where the commission makes use of funds available to it under article V(8), the commission shall not incur any obligation prior to the allotment of funds by the party states adequate to meet the same.

(4) The commission shall keep accurate accounts of all receipts and disbursements. The receipts and disbursements of the commission are subject to the audit and accounting procedures established under its bylaws. All receipts and disbursements of funds handled by the commission shall be audited yearly by a qualified public accountant and the report of the audit shall be included in and become part of the annual report of the commission.

(5) The accounts of the commission shall be open at any reasonable time for inspection by duly constituted officers of the party states and by any persons authorized by the commission.

(6) This compact may not be construed to prevent commission compliance with laws relating to audit or inspection of accounts by or on behalf of any government contributing to the support of the commission.

Article VIII. Entry Into Force and Withdrawal

(1) This compact shall enter into force when enacted into law by any four or more states. After that enactment, this compact becomes effective as to any other state upon its enactment of the compact.

(2) Any party state may withdraw from this compact by enacting a statute repealing the compact, but withdrawal does not take effect until one year after the governor of the withdrawing state has given notice in writing of the withdrawal to the governors of all other party states. A withdrawal does not affect any liability already incurred by or chargeable to a party state prior to the time of withdrawal.

Article IX. Effect On Other Laws

This compact does not limit, repeal, or supersede any other law of any party state.

Article X. Construction and Severability

This compact shall be liberally construed so as to effectuate the purposes of the compact. The provisions of this compact are severable and if any phrase, clause, sentence, or provision of this compact is declared to be contrary to the constitution of any state or of the United States, or the applicability of the compact to any government, agency, person, or circumstance is held invalid, the validity of the remainder of

this compact and the applicability of the compact to any government, agency, person, or circumstance is not affected. If this compact is held contrary to the constitution of any state participating in the compact, the compact remains in full force and effect as to the remaining party states and in full force and effect as to the state affected as to all severable matters.

Section 3. Membership and applicability. (1) The governor may appoint a designee to serve as the governor's official representative to the compact and to perform all functions in connection with the business of the compact.

(2) Provisions and policies of the Interstate Mining Compact may not be construed to limit, repeal, or supersede any law of the state of Montana.

(3) (a) The governor and the legislature, or agents of either, may inspect the books and accounts of the Interstate Mining Compact Commission at any reasonable time while the state is a member.

(b) A copy of the bylaws of the Interstate Mining Compact Commission must be placed on file with the department of environmental quality and be available for inspection at any reasonable time by the legislature or any interested citizen.

(4) The state of Montana is not liable for the obligations or solvency of:

(a) the retirement system described in article V(6) of the compact; or

(b) a program of employee benefits described in article V(6) of the compact.

(5) As used in article V(1) of the compact, "agency" does not mean an agency of the state of Montana or any political subdivision of the state of Montana.

Section 4. Expenses. The department of environmental quality may pay annually out of funds collected from mining fees, abandoned mine land fees and funds, natural resource operations, or from funds granted to the state by the federal office of surface mining reclamation and enforcement, the annual membership dues payable to the Interstate Mining Compact commission for the membership of the state of Montana in that organization.

Section 5. Codification instruction. [Sections 1 through 4] are intended to be codified as an integral

part of Title 82, chapter 4, and the provisions of Title 82, chapter 4, apply to [sections 1 through 4].

Section 6. Effective date. [This act] is effective on passage and approval.

- END -

I hereby certify that the within bill,
SB 55, originated in the Senate.

Secretary of the Senate

President of the Senate

Signed this _____ day
of _____, 2023.

Speaker of the House

Signed this _____ day
of _____, 2023.

SENATE BILL NO. 55

INTRODUCED BY S. HINEBAUCH

BY REQUEST OF THE DEPARTMENT OF ENVIRONMENTAL QUALITY

AN ACT ENTERING THE INTERSTATE MINING COMPACT; AGREEING TO THE REQUIREMENTS OF THE COMPACT; AUTHORIZING THE GOVERNOR TO APPOINT A DESIGNEE TO THE COMMISSION; ALLOWING THE DEPARTMENT OF ENVIRONMENTAL QUALITY TO FUND MEMBERSHIP IN THE COMMISSION; AND PROVIDING AN IMMEDIATE EFFECTIVE DATE.

EXAMPLE



GOVERNOR'S OFFICE OF
BUDGET AND PROGRAM PLANNING

Fiscal Note 2025 Biennium

Bill information:

SB0055 - Join Interstate Mining Compact Commission (Hinebauch, Steve)

Status: As Introduced

- ☐ Significant Local Gov Impact ☐ Needs to be included in HB 2 ☐ Technical Concerns
☒ Included in the Executive Budget ☐ Significant Long-Term Impacts ☐ Dedicated Revenue Form Attached

	<u>FY 2024</u> <u>Difference</u>	<u>FY 2025</u> <u>Difference</u>	<u>FY 2026</u> <u>Difference</u>	<u>FY 2027</u> <u>Difference</u>
Expenditures:				
General Fund	\$0	\$0	\$0	\$0
State Special Revenue	\$5,065	\$5,065	\$5,065	\$5,065
Federal Special Revenue	\$24,935	\$24,935	\$24,935	\$24,935
Revenue:				
General Fund	\$0	\$0	\$0	\$0
State Special Revenue	\$5,065	\$5,065	\$5,065	\$5,065
Federal Special Revenue	\$24,935	\$24,935	\$24,935	\$24,935
Net Impact-General Fund Balance:	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Description of fiscal impact: The Department of Environment Quality (DEQ) is seeking an act to enter the Interstate Mining Compact Commission (IMCC) as a full voting member. DEQ has been an active associate member with IMCC for the past 4 years. Becoming a full voting member of the IMCC, gives Montana a voice in the national forum in formulating comments and positions on Federal mining policies and laws.

FISCAL ANALYSIS

Assumptions:

1. The annual cost for membership is an estimated \$30,000 per year.
2. DEQ would utilize existing staff, processes, and funding sources.

	<u>FY 2024 Difference</u>	<u>FY 2025 Difference</u>	<u>FY 2026 Difference</u>	<u>FY 2027 Difference</u>
<u>Fiscal Impact:</u>				
<u>Expenditures:</u>				
Personal Services	\$0	\$0	\$0	\$0
Operating Expenses	\$30,000	\$30,000	\$30,000	\$30,000
TOTAL Expenditures	\$30,000	\$30,000	\$30,000	\$30,000
<u>Funding of Expenditures:</u>				
General Fund (01)	\$0	\$0	\$0	\$0
State Special Revenue (02)	\$5,065	\$5,065	\$5,065	\$5,065
Federal Special Revenue (03)	\$24,935	\$24,935	\$24,935	\$24,935
TOTAL Funding of Exp.	\$30,000	\$30,000	\$30,000	\$30,000
<u>Revenues:</u>				
General Fund (01)	\$0	\$0	\$0	\$0
State Special Revenue (02)	\$5,065	\$5,065	\$5,065	\$5,065
Federal Special Revenue (03)	\$24,935	\$24,935	\$24,935	\$24,935
TOTAL Revenues	\$30,000	\$30,000	\$30,000	\$30,000
<u>Net Impact to Fund Balance (Revenue minus Funding of Expenditures):</u>				
General Fund (01)	\$0	\$0	\$0	\$0
State Special Revenue (02)	\$0	\$0	\$0	\$0
Federal Special Revenue (03)	\$0	\$0	\$0	\$0

NO SPONSOR SIGNATURE

Sponsor's Initials

1/5/23

Date

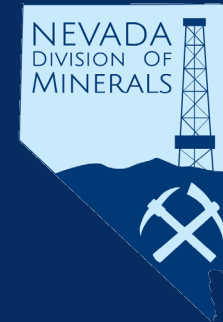
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Budget Director's Initials

1-2-23

Date

C.



NDOM Agency Enhancement Project Proposals

Rob Ghiglieri

May 16th 2024

Quarterly Commission on Mineral Resource Meeting

AML Program Enhancements

GIS Program Software Licensing

- Upgrading ESRI licensing to handle modernization of SOSA database and field-data collection.
- Aligns NDOM with esri software progression.
- Streamline field data QC and upload process.
- Adds functionality to Open Data Site
- \$15,000 per year increase

Drone Contract Assessment

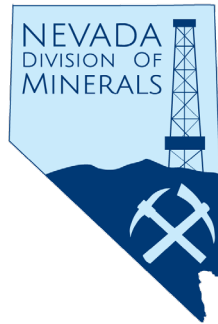
- Develop scope of work for a commercial company to provide fixed-wing drone survey services on a single-project basis.
 - Provide high resolution photography
 - Assist in closure project designs and recommendations
- Evaluate the feasibility of using a company that specializes in drone surveying on AML.
- Testing the concept with DOT's drone program and identifying benefits and downfalls of the program.

AML Program Enhancements

AML CAT 39 Contracted Work

- Continue the increased AML contracted costs at \$1.8 million in FY 25 and \$1.5 million in FY26/27





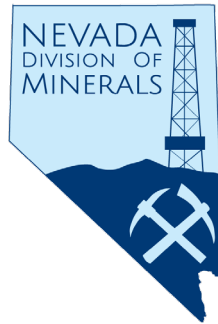
AML Program Enhancements

CAT 39 FY25 AML Program Project Projections									
Abandoned Mine Lands (AML) Budget Forecast June 30, 2024 - June 30, 2025 CAT 39									
Ln	Project	Agency	Hazard #	Survey			Closure		Other
	~	~	~	Geological	Wildlife	Cultural	Hard Closure	Safeguard	~
01	Caselton	BLM	51				\$ 360,000		
02	Treasure Hill	USFS	15				\$ 72,000		
03	Ely 10 Mile	USFS	17				\$ 73,000		
04	Egan Canyon	BLM	16				\$ 130,000		
05	Cahill	BLM	28				\$ 130,000		
06	Friberg	BLM	25				\$ 126,000		
07	WFO East	BLM	21	\$ 5,200		\$ 23,500	\$ 112,000		
08	WFOWest	BLM	25	\$ 6,000		\$ 27,975			
09	Jarbidge	USFS	8				\$ 38,400		
10	Jumping Jack	USFS	5				\$ 24,000		
11	Safeguard Follow Up	NDOM/EPS	700					\$ 364,000	
12	Emergency Projects	TBD	TBD	\$ 5,000	\$ 5,000	\$ 25,000	\$ 265,000		
Public Safety Component									
12	SOSA Video PSA								\$ 45,000
13	SOSA Brochure PSA								\$ 16,000
	Total			\$ 16,200	\$ 5,000	\$ 76,475	\$ 1,330,400	\$ 364,000	\$ 61,000
	FY25 Projected Total	\$ 1,853,075							



AML Program Enhancements

CAT 39 FY26 AML Program Project Projections										
Abandoned Mine Lands (AML) Budget Forecast June 30, 2025 - June 30, 2026 CAT 39										
Ln	Project	Agency	Hazard #	Survey			Closure			Other
	~	~	~	Geological	Wildlife	Cultural	Hard Closure	Safeguard	Inv/Rev	~
01	Quartz Mountain	BLM	24	\$ 4,750			\$ 116,000			
02	VC II	USFS	25				\$ 128,000			
03	Maggie Summit	USFS	17		\$ 10,336	\$ 19,023	\$ 73,000			
04	WFOWest	BLM	25							
05	American Canyon	BLM	178				\$ 680,000			
06	Safeguard Follow Up	NDOM/EPS	680					\$ 408,000		
Public Safety Component										
07	SOSA Video PSA									\$ 45,000
08	SOSA Brochure PSA									\$ 16,000
	Total			\$ 4,750	\$ 10,336	\$ 19,023	\$ 997,000	\$ 408,000		\$ 61,000
	FY25 Projected Total	\$ 1,500,109								



AML Program Enhancements

CAT 39 FY27 AML Program Project Projections										
Abandoned Mine Lands (AML) Budget Forecast June 30, 2026 - June 30, 2027 CAT 39										
Ln	Project	Agency	Hazard #	Survey			Closure			Other
	~	~	~	Geological	Wildlife	Cultural	Hard Closure	Safeguard	Inv/Rev	~
01	Tonopah Divide	BLM	73		\$ 44,384	\$ 81,687	\$ 474,500			
02	Eureka II	BLM	30		\$ 18,240	\$ 33,570	\$ 195,000			
03	East Ruby	BLM	28		\$ 16,000	\$ 25,000	\$ 130,000			
04	WFO West	BLM	25				\$ 126,000			
05	Kingston	USFS	49	\$ 7,500	\$ 29,792	\$ 54,831				
06	Safeguard Follow Up	NDOM/EPS	375					\$ 228,000		
Public Safety Component										
07	SOSA Video PSA									\$ 45,000
	Total			\$ 7,500	\$ 108,416	\$ 195,088	\$ 925,500	\$ 228,000		\$ 45,000
	FY25 Projected Total	\$ 1,509,504								



Digitize Fluid Minerals Program Modernization

Database Modernization

- Convert three Access databases into one web-based SQL db.
- Automated invoicing, reminders.
 - Increase quality control
 - Decrease input time.
- Allows for seamless transition between databases.
- Eventually allow external permit applications, document viewing, and possibly payments.
- Initial estimate: \$46,000, may require additional periodic maintenance.

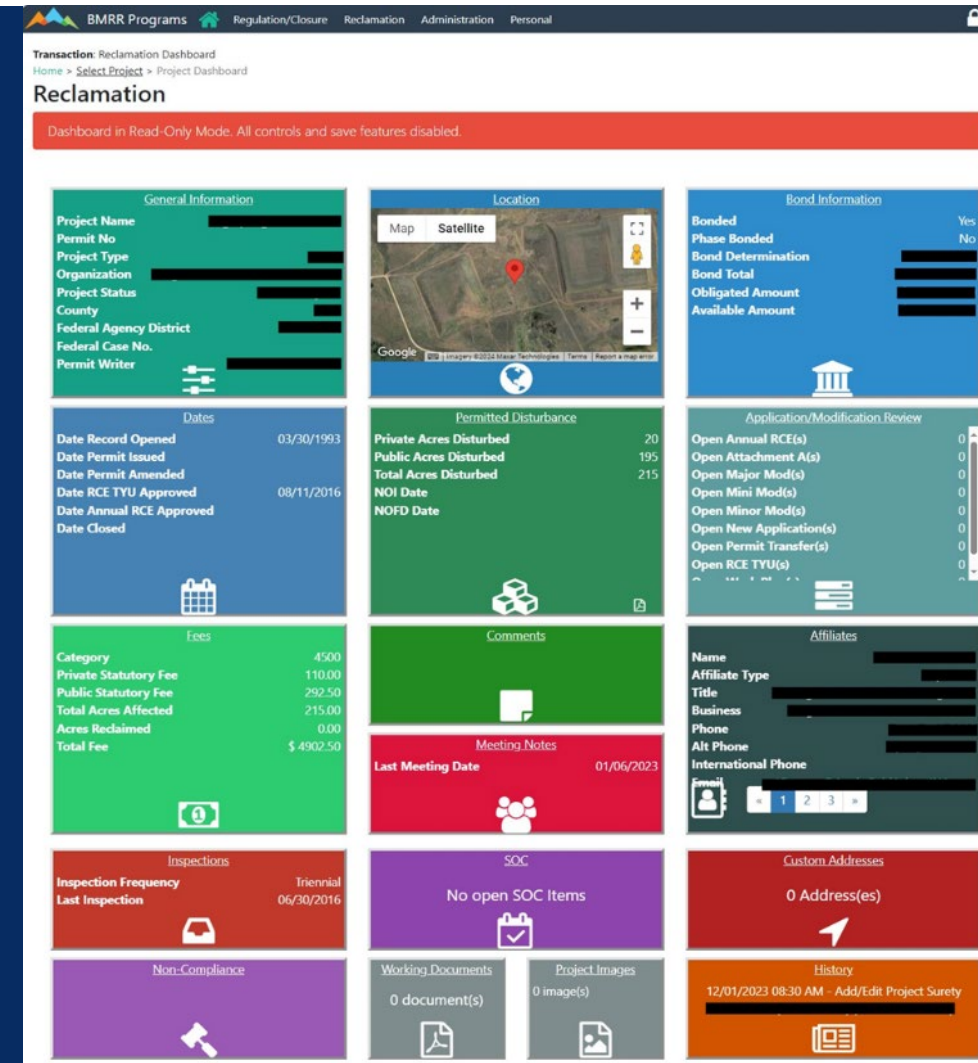
Document Digitization

- Two phase program: document scanning & data retrieval.
 - Use OCR to recognize specific print data and convert to table data.
 - Convert remaining hard-copy documents into digital documents.
- Allow public/companies to access current and historic data.
- Allows NDOM/public ability to analyze historic data with modern data.
- Initial estimate: \$50,000 / yr over 2 - 4 yrs

Digitize Fluid Minerals Program Modernization

Database Modernization

- NDEP's Bureau of Mining Regulation and Reclamation (BMRR), is developing a new database through an existing statewide IT services contract.
- NDOM would like to integrate a significant portion of the BMRR database for its functions related to Oil, Gas, Geothermal, and Dissolved Mineral permitting.
- The proposed system will employ an SQL backend hosted on an OCIO-managed server and a web frontend to facilitate user interactions.

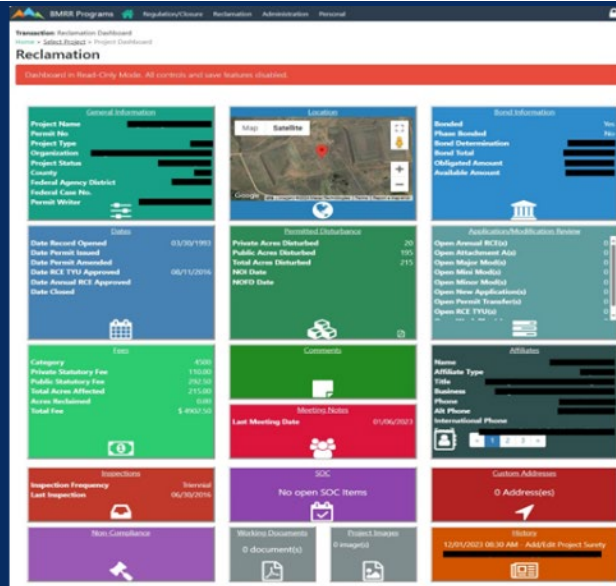


The screenshot displays the 'Reclamation' dashboard for the BMRR Programs. The interface is organized into a grid of informational tiles. At the top, a navigation bar includes links for 'BMRR Programs', 'Regulation/Closure', 'Reclamation', 'Administration', and 'Personal'. Below the navigation bar, a red banner indicates the system is in 'Read-Only Mode'.

The dashboard tiles include:

- General Information:** Fields for Project Name, Permit No., Project Type, Organization, Project Status, County, Federal Agency District, Federal Case No., and Permit Writer.
- Location:** A map view with 'Map' and 'Satellite' toggles, showing a project location with a red pin.
- Bond Information:** Fields for Bonded (Yes/No), Phase Bonded, Bond Determination, Bond Total, Obligated Amount, and Available Amount.
- Dates:** Fields for Date Record Opened (03/30/1993), Date Permit Issued, Date Permit Amended, Date RCE TYU Approved (08/11/2016), Date Annual RCE Approved, and Date Closed.
- Permitted Disturbance:** Fields for Private Acres Disturbed (20), Public Acres Disturbed (195), Total Acres Disturbed (215), NOI Date, and NOFD Date.
- Application/Modification Review:** A list of counts for various application types, including Open Annual RCE(s), Open Attachment A(s), Open Major Mod(s), Open Mini Mod(s), Open Minor Mod(s), Open New Application(s), Open Permit Transfer(s), and Open RCE TYU(s).
- Fees:** A table showing fees for Category, Private Statutory Fee, Public Statutory Fee, Total Acres Affected, Acres Reclaimed, and Total Fee (\$ 4902.50).
- Comments:** A section for user comments.
- Affiliates:** Fields for Name, Affiliate Type, Title, Business, Phone, Alt Phone, and International Phone.
- Meeting Notes:** A section for meeting notes, showing the last meeting date as 01/06/2023.
- Inspections:** Fields for Inspection Frequency (Triennial) and Last Inspection (06/30/2016).
- SOC:** A section for Status of Compliance (SOC) items, showing 'No open SOC Items'.
- Custom Addresses:** A section for custom addresses, showing '0 Address(es)'.
- Non-Compliance:** A section for non-compliance issues.
- Working Documents:** A section for working documents, showing '0 document(s)'.
- Project Images:** A section for project images, showing '0 image(s)'.
- History:** A section for system history, showing the last update as 12/01/2023 08:30 AM.

Digitize Fluid Minerals Program Modernization



Database Modernization

- NDOM plans to leverage a similar BMRR-developed database, adapting it to better manage and report on its specific data needs, which include public permits, company contact details, invoicing, and payment information.
- Future modifications could enable external users to view and submit permits, among other tasks. The implementation will also involve a data conversion from existing MS Access, Excel, and hard copy formats, with plans to digitize hard copy data over the next two fiscal years.
- The database solution will be located at the OCIO Data Center. It is anticipated to require minimal resources and will be used for storage of condensed PDF files.



Digitize Fluid Minerals Program Modernization

Document Digitization

NDOM- Regulatory Agency

Permits

- Commercial
- Industrial
- Domestic
- Sundries
- Schematics
- Well History
- Records

NBMG – Repository for logs

- Permits
- Sundries
- Geophysical Logs
- Cement Logs
- Cement Bond Logs
- Temp Logs
- Others

NDOM should have a digital copy of every permit issued and every sundry approved	Scanning Document Identification OCR
<p>Purple Rock Inc. preliminary quote:</p> <ul style="list-style-type: none"> • 986 Oil and Gas Permits • 1585 Geothermal Permits • 22 DMRE Well Permits • 85 DMRE NOI <p>=~150 Banker's Boxes of Files @ \$2,000.00/Banker's Box = Max Cost \$300,000.00</p>	<p>Over the next two fiscal years a local contractor will organize existing digital data and scan files, submitting only necessary pdf copies to Purple Rock for metadata analysis and OCR document identification, will bring costs down significantly. = \$50,000/FY</p>





Ore Tolling and Smelter Capacity Report

Update the 2018 report

- Update tables and figures.
- Include recent survey results from Nevada and neighboring state copper mines.
- Incorporate updated statewide infrastructure plans (roads, transmission, inland ports, etc.)
- Conduct supply chain analysis.

Develop a “next steps” copper smelter/refinery report

- Focus on short list of technologies, locations, and capacities for copper smelting/refining.
- Identify permits and other likely considerations.
- Identify possible incentive programs at the federal and state level.
- Initial estimate: \$50,000

Staffing and Equipment Enhancements

Add one FTE Starting Oct FY26

- Needs:
 - GIS
 - AML
 - Grants / Contracts
- Cost: \$130,000 / yr
 - (includes salary, benefits, IT, training, travel)

Replace Fleet Vehicles

- Two AML trucks are currently fleet services rentals.
- Replace in FY25 and 26,
 - Due for replacement in FY 27, 28.
- Replace with agency-owned vehicles.
- Initial estimate: \$65,000 x 2

Reclamation Tour Documentation

Document and Publish Reclamation Successes

- Statewide contract for video and media services.
- Capture drone & handheld video of reclamation success.
- Record interviews with companies & regulators.
- Produce consumable content for distribution.
- Initial estimate: \$20,000 / yr



Nevada Excellence in Mine Reclamation Award Committee reviewing Austin Gold Venture's Inspiration Mine reclamation, Lander Co., July 2023.

Increase & Enhance Conference Presence

MINExpo

- Collaborate with partners to host a Nevada-centric booth.
- Similar to presence @ PDAC.
- BLM, BMRR, NBMG, DCNR, GOED, B&I
- Initial estimate: \$25,000 every 4 years



Questions



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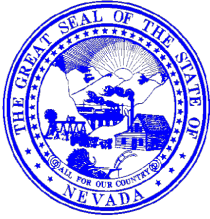
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V. COMMISSION BUSINESS

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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

January 2024

Legislation, Industry, and Public Relations: The Division Attended the Association of Mineral Exploration Roundup annual conference in Vancouver Canada. The agency participated in various Federal project scoping meetings including Stagecoach Wind, 368 Energy Corridors and others. Administrator Ghiglieri introduced gave a background on the agency to the NDOM's new Legislative Council Bureau analysts. Administrator Ghiglieri and Chief of the AML program gave an interview with News 2 Reno with Sean on our AML program. Deputy Administrator Wake with Administrator Ghiglieri held a meeting with a Consul and Trade Commissioner of Canada to discuss mining in Nevada. Governor Lombardo signed the Nevada Hardrock AML Good Samaritan Support letter drafted by the Division. The letter was provided to the Senate Environment & Public Works committee and other Nevada delegations. A hearing on S.2781 at the January Senate Environment & Public Works committee and unanimously passed. Ghiglieri also participated in the Nevada Business Magazine Mining Roundtable meeting.

Abandoned Mine Lands (AML): The recruitment of the summer AML intern program is in full swing with the application closure date in late February. AML Staffed continued to work with the BLM, NPS, and USFS on NEPA approval for six hard closure projects including one project to be featured on "How Did They Fix That" by the Smithsonian Channel on National TV. Two winter interns finished their winter intern program and were able to inventory 150+ AML hazards in their short program.

End-of-January AML statistics:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,173	20,746	83%
2024 To Date	184	0	0%

Fluid Minerals: Three geothermal drilling rigs remained active in January. Two sundries were approved in January with multiple other pending BLM approval. Fiscal year-to-date inspection status:

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in January	# of Wells Inspected in FY24	Wells Remaining

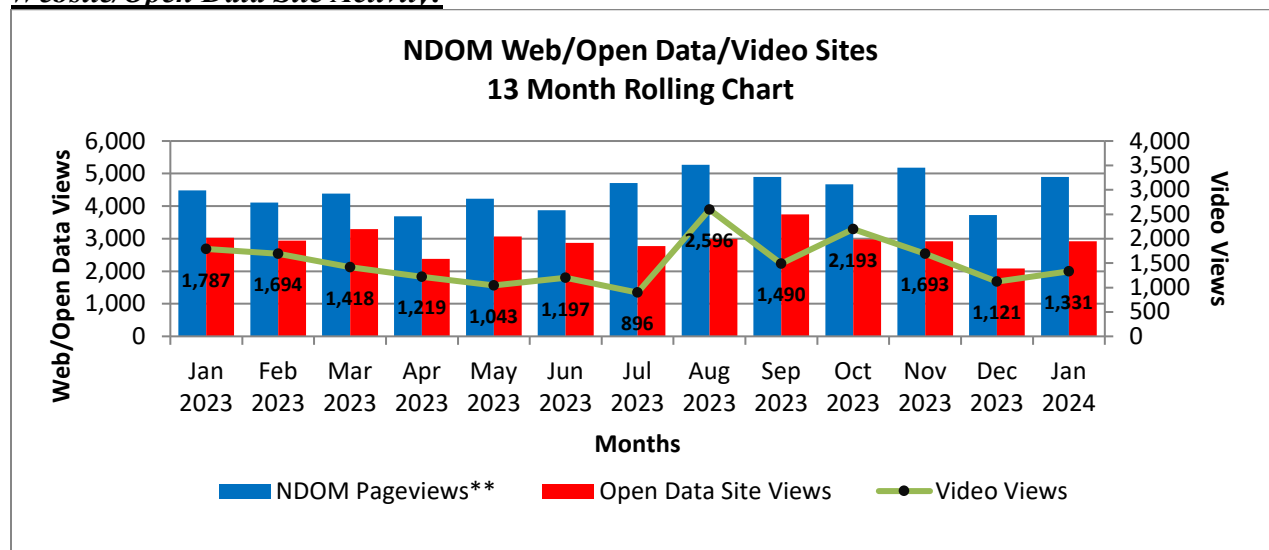
Geothermal	486	162	0	110	52
Oil	122	41	0	0	41
Totals	608	203	0	110	93

Reclamation Bond Pool: January bond pool activities: One plan level bond increase, one notice level bond release and one notice level decrease. Tracking of December mailout payments is ongoing, and Rob and Garrett have initiated the rebuilding of the Bond Pool database. Contractor meetings and development will be ongoing for the next few months.

Reclamation Bond Pool Status Report		Current to 2/1/2024						
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	26.33%		\$406,706.14	\$23,676.88	60.4%
Alegiant Gold	Bustside	11/19/2021	\$163,064.00	6.02%		\$84,036.27	\$36,901.44	74.2%
Custom Details	Bowie-Law	11/17/2006	\$14,643.00	0.54%		\$7,328.32	\$19,370.51	182.3%
New Gold Nevada (NVRac)	Black Rock Canyon	4/15/2005	\$66,673.00	2.46%		\$33,715.62	\$174,689.38	312.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.88%		\$233,171.91	\$312,540.32	126.9%
Western Mine Dev.	Victorine Mine	5/24/2000	\$15,875.39	1.69%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,430.00	3.71%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.89%	\$3,795 increase in Jan, 2024	\$13,410.03	\$54,075.13	124.7%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.22%		\$238,536.99	\$24,862.21	105.5%
Statewide Notice-Level	Various	various	\$656,633.00	24.25%	46 Notice-level bonds			
Total Bond Amount			\$2,707,694.39					
Cash in Pool's Account (From BSR - 2/1/2024)			\$3,663,109.84					
Unfunded Amount			-\$955,415.45					
Percent funded			135.3%					

Minerals Education and Outreach: The Division of Minerals Staff attended Association of Mineral Exploration conference in Vancouver Canada to represent Nevada in one of the largest exploration focused conferences in North America. Staff also held various meetings and phone calls with the general public and members of industry.

Website/Open Data Site Activity:



Financial, Personnel, and Safety: The reserve balance at the end of January was \$4,088,989. The Division is fully staffed with no personnel changes. There were no work safety incidents in January.

MONTHLY ACTIVITY REPORTS

January 2024

Administrator (Rob Ghiglieri):

1. Attended and represented NDOM at the AME Roundup annual conference in Vancouver Canada.
2. Participated in various Federal project scoping meetings including Stagecoach Wind, 368 Energy Corridors and others.
3. Introduced myself and gave a background on NDOM to our new Legislative Council Bureau analysts.
4. Gave an interview with News 2 Reno with Sean on our AML program.
5. Attended an Interstate Mining Compact Commission meeting on hardrock mining a Good Samaritan resolution.
6. With Garrett, we held a meeting with a Consul and Trade Commissioner of Canada to discuss mining in Nevada.
7. Governor Lombardo signed the Nevada Hardrock AML Good Samaritan Support letter drafted by the Division. The letter was provided to the Senate Environment & Public Works committee and other Nevada delegations. A hearing on S.2781 at the January Senate Environment & Public Works committee and unanimously passed.
8. Participated in the Nevada Business Magazine Mining Roundtable meeting.
9. Toured Lithium America's R&D facility in Reno.
10. Attended Governor Lombardo's Full Cabinet Meeting.
11. Worked with staff on coordination ongoing projects within the agency.
12. Held my initial CMP Capstone project kick-off meeting with Garrett and Crystal. The project will be modernizing the Bond Pool Database and processes.

Deputy Administrator (Garrett Wake):

1. January 2024 Bond Pool Activity:
 - a. One plan level bond increase.
 - b. One notice level bonds release.
 - c. One notice level bond decrease.
2. Participated in an introductory call with a representative from the Consulate General of Canada and Administrator Ghiglieri
3. Submitted my Certified Public Manager's course capstone document for review.
4. Toured the Lithium Americas R&D facility in Reno, Nev. with NDOM and Governor's Office staff.
5. Updated Division budget and mining claim forecast for the remainder of FY 24.
6. Revised scope of work and planning documents for the creation of a Bond Pool SQL database and sent to Administrator Ghiglieri for approval.
7. Participated in the RFP evaluation committee meeting for the State Museum rock and mineral exhibit.
8. Participated in the following additional meetings: Broadbent (RAMS) SOSA Database, NDOM/NvMA Education Committee, PDAC committee, NDOM Staff, AML Contracts and Budget, Cross-Tie EIS cooperating partner, NDOM fiscal meeting and McCaw School of Mines board meeting.

January 2024 Bond Pool snapshot:

Reclamation Bond Pool Status Report		Current to:	2/1/2024					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
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Total Bond Amount			\$2,707,694.39					
Cash in Pool's Account (From BSR - 2/1/2024)			\$3,663,109.84					
Unfunded Amount			-\$955,415.45					
Percent funded			135.3%					

Chief, Abandoned Mine Lands Program (Sean Derby):

1. AML staff tasked EPS for hard closure work at Olinghouse Historical Mine and initial project planning is complete. Final closure work is scheduled for March 2024.
2. EPS finalized hard closure work at the historic Montana Station including 3 culturally significant hazards 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 invoicing to USFS.
5. AML staff submitted annual unsecured hazard reports to all 17 county boards of commissioners.
6. 2024 Winter Intern season ended on January 19th identifying 184 new hazards on public and private land in Washoe, Pershing, and Mineral counties.
7. AML staff continued recruiting efforts for the 2024 Summer Intern field season with digital and in person outreach.
8. NDOM AML received an inquiry from the Smithsonian Channel to provide program content to develop an episode for a show highlighting the agencies hard closure work. Smithsonian is going forward with filming this March in partnership with NDOM, NPS, and NDOW.

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Since 1987	25,173	20,746	83%
2024 To Date	184	0	0%

AML Hard Closure Project Pipeline					
Planning Phase	Wildlife/Cultural Surveys in Progress	Pending CX	CX Received, Pending Closures	In Construction	Recently Completed
WFO East; Elko, 24 hazards	Friberg; Lincoln, 25 hazards	Nelson; Clark, 111 hazards	Olinghouse; Washoe, 58 hazards		Montana Station; Nye, 3 hazards
WFO West; Elko, 23 hazards	Cahill; Humboldt, hazards 24	Searchlight; Clark, 34 hazards			

Kingston; Nye & Lander , 49 hazards	Jarbridge; Elko, 9 hazards	Aurora II; Mineral, 20 hazards			
Maggie Summit; Elko , 10 hazards	Caselton; Lincoln, 51 hazards	Ely 10 Mile; White Pine, 28 hazards			

GIS/ Field Specialist (Lucia Patterson):

1. Worked on issues with AML field maps with interns and staff.
2. Prepared AME round up which included testing of new booth monitor, printing handouts, and preparing a presentation to advertise data sources at the booth.
3. Took several calls for questions regarding mineral rights.
4. Updated plans, notice, ROW, and mining claim data on open data site.
5. Worked on writing comments for the SEC-NAC rule, which was withdrawn the day before comments were due.
6. Prepared the mailing list and content for the annual status and production mailout.
7. Updated lease, row, plan, and notice lease information on open data site.
8. Updated major mines data on open data site to reflect 2022 data. The reason for the delay was trying to find a resolution for hosting photos which are called on in the data set, which has not been resolved just yet. Shutterfly changed their URLs.
9. Updated all production value data for the Nevada Mining and Land Withdrawal History Experience application.
10. Traveled to Vancouver and attended AME Round up.
11. Worked on and made significant progress on the geologic timescale application.
12. Worked on issue with AML wintern data upload, and AML scripts for data QAQC that were previously written but aren't working due to recent database changes.
13. Attended the Stagecoach cooperating agency quarterly meeting.
14. Compiled CMR land update presentation.

Field Specialist (Rick Kauffman)

1. Wintern field work at Washoe County AML sites, this included field orientation and field devices trouble shooting.
2. Upload training for intern work and customer information into SOSA, which included data cleaning and researching errors.
3. Land research and owner updates in SOSA, part of QAQC on database (ongoing).
4. Work with Garrett on "Hot Spot" analysis to help update the AML site selection process for the summer intern program.
5. Presentation prep for committee meeting on intern Geologic Sampling project
6. Created maps and data for annual county mail out.

AML/Fluid Minerals Field Specialist (Peter Engh):

1. Spent two weeks in the field with the winter interns in Mineral County where the collective group logged 150 new hazards, some of them ranking very high on the hazardous scale.
2. Personally logged 20 new hazards.
3. Oversaw the rollout of our new sampling program with the interns and received feedback from the interns on how to improve methods.
4. Attended the Lithium Americas facility tour in Reno.

5. Recruited one intern for the summer program, from Western Colorado University, my former Alma Matter, through outreach and the presentation I gave in October.
6. Communicated with claimants in Clark County on securing's related to the fall mailout.
7. Assisted Fluid Minerals with modernizing DRME forms.
8. Held a Teams Meeting with the BLM Elko Field office about projects and submitted data for two new logged hazards by the BLM.
- a. Collaborated with Elko BLM on two potentially new HRC projects in Elko County.
9. Accepted the offer to enroll in TOPCORP training through the University of Texas Austin
10. Performed QA/QC on data for the annual county mail out.

Fluid Minerals Program Manager (Dustin Holcomb):

1. Review drilling application for a DMRE Well for injection purposes with NDEP-BWPC-UIC and the BLM Tonopah office
2. Provide plugging reports requested for wells in specific oil leases
3. Review data entry requirements with program assistant
4. Work with program assistant to enter monthly oil revenue reporting
5. Continue to clean up the annual invoicing database
6. Track down the address of owners of wells from annual invoice letters that were returned as undeliverable.
7. Begin working with Ormat to release bonds issued for Terra-Gen bonds and reissue new bonds for project areas in Beowawe and Dixie Valley under Ormat.
8. Start a list of potentially orphaned geothermal wells.
9. Delegate forms and document updates to field specialist
10. Attend both the SPE Unconventional Basins: Completion Trends and Production Diagnostic Methods and the IOGCC Methane Detection Management webinars
11. Review the Draft OWPO State Matching Grant Guidance provided by IOGCC
12. Provide IOGCC with a draft report on Budget Staffing and Funding Survey
13. Review 4 sundries and process 2
14. Attend Advanced Water Rights Course at NWRA annual conference, in Las Vegas.
15. Register for a booth at this year's Geothermal Rising Conference *GRC*
16. Respond to Public Data Requests regarding Clayton Valley.
17. Meet with 3PL representatives to discuss future plan of operations.
18. Receive six new Geothermal Development Permit Applications for Ormat's Pearl Project

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in January	# 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

Two geothermal drilling rigs remain active in January.

Well Drilling Operations					
Permit	Well	Operator	Field	Type	Status

1528	86(37-15)-16 ST1	Ormat	MGH	Ind-Pro.	Drilling
1567	14-35	Ormat	Whirlwind-Expl	Obs.	Drilling
1564	62-27	Ormat	Whirlwind-Expl	Obs.	Shut-In

Project Manager (Keith Hayes):

1. Met via Teams with Dawn Snell (UNR) to discuss progress on the Teaching Workshops.
2. Attended evaluation meetings with Purchasing regarding the Museum Display. (Frank Dulay).
3. Met with Garrett Wake via Teams to make up shipping order for AME Roundup and delivered packages to FedEx for shipping to Vancouver, BC.
4. Met with Brenda Pearson (Clark County Education Association) to discuss promotion of Teaching Workshops. Also spoke with her about a potential educational outreach for technical skills programs (electricians, welders, etc.) that she'd be interested in helping to develop/participate with in the future.
5. Met with Sylvia Scoggin (Nevada State Science Teachers Association) to discuss the Teaching Workshops with her and get her participation in distributing promotional materials for the events.
6. Sent out Teaching Workshop flyers/info to Clark County Education Association (Brenda Pearson, President), Washoe Education Association (Earl Spriggs, President), and Nevada State Science Teachers Association (Sylvia Scoggin, President) which resulted in increased registration for Workshops (the Southern Nevada Workshop was at registrant capacity in under a week).
7. Attended the DOI Update on Formula Grant Terms and Conditions Webinar (orphaned well guidance) via Zoom.
8. Attended a tour of the Lithium Americas Technical Center.
9. Attended meetings with NPS and Smithsonian Channel representatives about a possible episode about NDOM's AML efforts.
10. Prepared (with Sean Derby) an informational PowerPoint for Mariana Predovic (Smithsonian Channel) to assist in her pitch to the producers for the NDOM AML episode of ***How Did They Fix That?***
11. Attended AML Contracts and Budget Forecast meeting (with Rob G., Sean D., and Garrett W.) to determine updates needed to contracts.
12. Reached out to governmental agencies to update the fee and regulation requirements listed in L-6 Special Publication.
13. Attended the Federal/State Webinar in Methane Detection/Measurement via Zoom.
14. Completed an inventory of the educational materials needed for the Teaching Workshops.
15. Met with the Education Subcommittee to discuss Workshop registration and catering options.

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

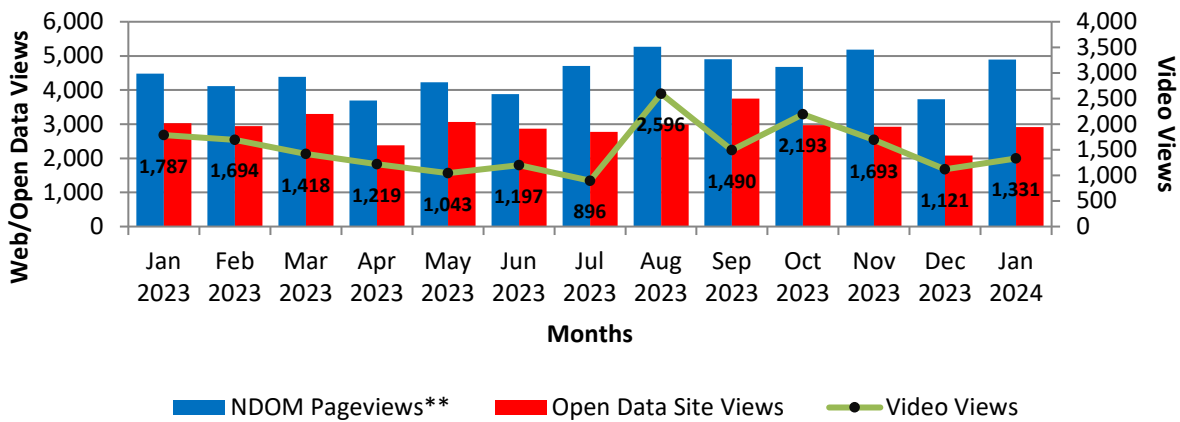
1. Presented geoscience topics (mining, minerals, and AML) at Garehime ES, Coral Academy, and Bowler ES. A total of ten presentations were given to approximately 445 students.
2. Attended Science Night at Stanford ES and conducted What Am I Made Of activity and discussed mining and minerals. I spoke and/or interacted with approximately 225 students and parents.
3. Attended Woolley ES Career Day and presented on mining, minerals, and jobs in Nevada mining. Nine sessions were presented to approximately 230 students.

4. Began preparing a new presentation for the Teacher's Workshop. The class that I will be teaching will center around the mining process from drilling and blasting to beautification and reclamation as well as careers available in Nevada in the mining industry.
5. Continued studying for drone license and scheduled exam for February 13th.
6. Scheduled several school visits for geoscience and career day presentations.

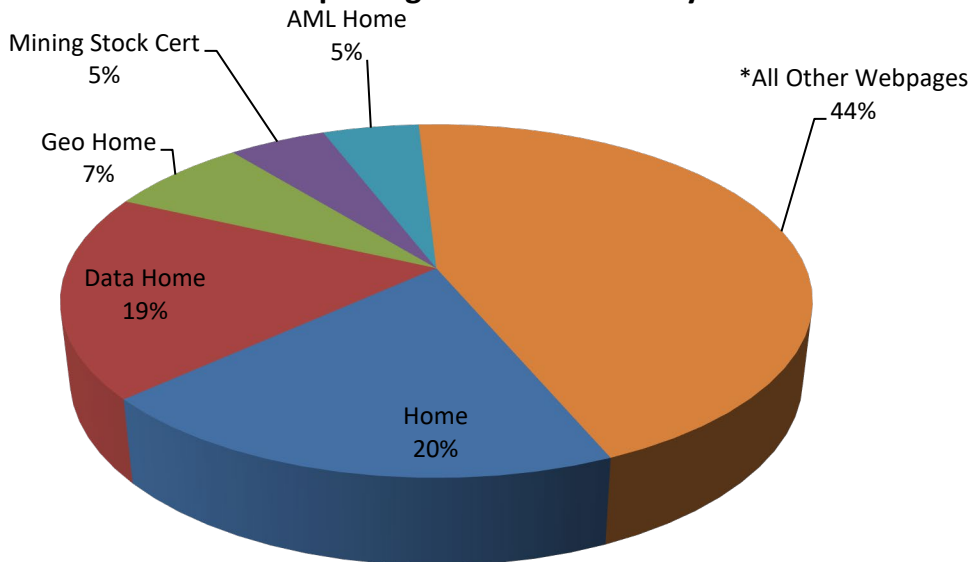
Website Activity:

Period	NDOM Website Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Jan 2024	4,893	Home, Data Home, Geo Home, Mining Stock Cert, and AML Home	2,917	1,331
Jan 2023- Jan 2024	66,484	*Unique View Stats are No Longer Available	37,985	19,678

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



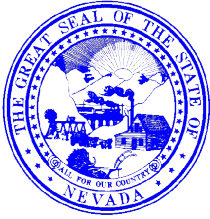
NDOM Website - Top 5 Page Views for January 2024



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

<u>Top Visitors</u>					
Jan-2024	Country	United States, Indonesia, Canada, Germany, and Australia/United Kingdom			
	State	Nevada, California, Texas, Washington, and Colorado			
	City	Las Vegas, (unknown), Reno, Los Angeles, and San Jose			
	<u>Video Views in January 2024</u>	<u>Top 5 Video Views</u>	<u>Dist Learn Trkr # of Classes</u>	<u>No. NV 45%</u>	<u>So. NV 55%</u>
Without Jimmy King Videos	1,211	1 Mining in Nevada - 18:22 mins. (both videos), 2 The Basics of Mineral Identification, 3 Ore Deposits an Overview, 4 Weathering & Erosion Part 1, and 5 A General Overview... Earth and Nevada Geological History	48	22	26
With Jimmy King Videos	1,331	1 Mining in Nevada - 18:22 mins. (both videos), 2 The Basics of Mineral Identification, 3 Ore Deposits an Overview, 4 Weathering & Erosion Part 1, and 5 JK-KOBI Full Video	53	24	29

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



EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS February 2024

Legislation, Industry, and Public Relations: The Division completed the regulatory updates required under Executive Order 2023-003 and the adopted regulations are now at LCB for final review and approval. The Administrator and other division staff attended various meetings including the Nevada Mining Association Environmental Committee, The Nature Conservancy's Smart from the Start, and held conversations with interested stakeholders on Lithium mining in Nevada.

Abandoned Mine Lands (AML): Service agreements for AML contractors under the new statewide AML contract are starting to be implemented and will continue as needed over the next four years. Closure work started at 58 hazards in Olinghouse and is expected to be completed in early April. A safeguarding project in Mineral County with over 100 hazards secured. Coordination and NEPA compliance work is ongoing for future AML closure projects statewide.

End-of-February AML statistics:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,173	20,930	83%
2024 To Date	184	184	100%

Fluid Minerals: Four geothermal wells were or are being drilled in February. The program review 12 GRDP applications, process four geothermal sundries, approve one DMRE well permit, and reviewed two DMRE borehole NOIs. The Fiscal year-to-date inspection status:

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in February	# of Wells Inspected in FY24	Wells Remaining
Geothermal	486	162	0	110	52
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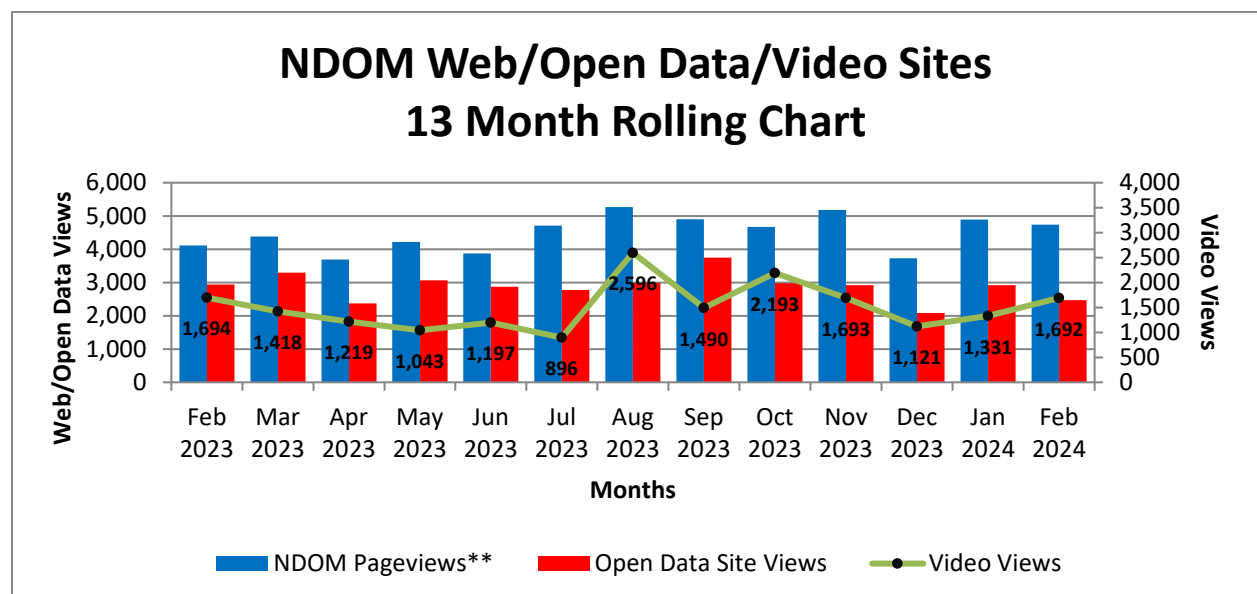
Reclamation Bond Pool: February bond pool activities: one notice-level bond. Initiated the contracting process for the rebuild of the Bond Pool database.

Reclamation Bond Pool Status Report			Current to:	3/1/2024				
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	26.33%		\$406,706.14	\$23,676.88	60.4%
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.02%		\$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	\$174,689.38	312.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.88%		\$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	3.71%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.89%	\$3,795 increase in Jan, 2024	\$43,410.03	\$54,075.13	124.7%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.22%		\$238,536.99	\$227,058.41	106.0%
Statewide Notice-Level	Various	various	\$656,633.00	24.25%	46 Notice-level bonds			
Total Bond Amount			\$2,707,694.39					
Cash in Pool's Account (From BSR - 2/1/2024)			\$3,663,109.84					
Unfunded Amount			-\$955,415.45					
Percent funded			135.3%					

Minerals Education and Outreach: During the month of February the Division of Minerals Staff was able to perform 11 presentations reaching an estimated 300 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
Feb 2024	4,741	Home, Mining Claims, Geo Home, Mining Stock Cert, and Data Home	2,466	1,692
Feb 2023- Feb 2024	65,271	*Unique View Stats are No Longer Available	37,424	19,583



Financial, Personnel, and Safety: The reserve balance at the end of February was \$4,403,222. The Division is fully staffed with no personnel changes. There were no work safety incidents in February.

MONTHLY ACTIVITY REPORTS

February 2024

Administrator (Rob Ghiglieri):

1. Held a Commission on Mineral Resources quarterly meeting in Las Vegas and reviewed IMCC, Nevada Legislature Interitem Natural Resources Committee, agency budget, and other various items.
2. Attended the National Association of Abandoned Mine Lands Programs (NAAML) winter business meeting. As the Chair of the NAAML hard rock committee, I presented updates on hard rock AML funding, database development, Good Sam progress, and other related topics to the association.
3. Held a meeting with my Governor's Office liaisons to discuss recent and ongoing agency projects.
4. Attended a Nevada Natural Resources Leadership breakfast meeting.
5. Attended the Nevada Mining Association Environmental Committee meeting and gave an update on the Division activities.
6. Attended a Nature Conservancy Smart from the Start meeting where Lucia gave an update on NDOM's open Data site.
7. Met with NDEP and Dustin to review the MOU between the agencies for Fluid Minerals.
8. Attended the Mackay Advisory Board meeting.
9. Attended Governor Lombardo's Natural Resources Sub-Cabinet Meeting.
10. Worked with staff to coordinate various ongoing projects within the agency.
11. Prepared for the Prospectors and Developers Association of Canada.
12. Attended another CPM class with a 4-day topic on Crucial Conversations and continued my CMP Capstone Bond Pool modernization project with Garrett and Crystal.

Deputy Administrator (Garrett Wake):

1. February 2024 Bond Pool Activity:
 - a. One new notice level bond processed (effective date of Mar 1)
2. Travelled to Sudbury, CA to present to a mining supplier export forum on the Nevada mining industry. Approximately 50 participants were in attendance.
3. Presented with Lucia P., Dustin H. Rob G., and Simon Jowitt/CREG to a group of international visitors from South and Central American Countries on Nevada mining and lithium. The presentation was coordinated by the U.S. Dept. of State and UNR. Approximately 25 participants were in attendance.
4. Generated invoices for and mailed first quarter bond pool plan-level mailout.
5. Created service agreements for AML cultural, wildlife and closure services. All three agreements are scheduled to be in place in March.
6. Hosted the first live synchronous session for the All About Mining: Mining for a STEM Education virtual education course. 20 teachers were in attendance.
7. Participated in the following additional meetings: quarterly CMR meeting, Broadbent (RAMS) SOSA Database, NDOM/NvMA Education Committee, NDOM statewide contracts, CORE.NV quarterly stakeholder, and PDAC committee.

February 2024 Bond Pool snapshot:

Reclamation Bond Pool Status Report		Current to: 3/1/2024						
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Unfunded Amount			-\$955,415.45					
Percent funded			135.3%					

Chief, Abandoned Mine Lands Program (Sean Derby):

1. EPS began hard closure work at Olinghouse Historical Mine with final closure projected for March 2024. The project includes 58 sites in Washoe County.
2. NDOM was granted categorical exclusion to close 6 sites at the Pine Tree Mine in Mineral County. Additionally, CX requests were granted by BLM for hard closures at Nelson and Searchlight Historical Mine districts, including a total of 135 sites.
3. AML staff held meetings with USFS, BLM, and NPS to discuss funding and project priorities for FY 25 and 26.
4. AML staff submitted annual unsecured hazard reports to all 17 county boards of commissioners.
5. AML staff tasked EPS with safeguarding project work following identification 184 new hazards in Mineral County. All sites were secured.
6. AML staff continued recruiting efforts for the 2024 Summer Intern field season with digital and in person outreach.
7. NDOM AML continues to coordinate with the Smithsonian Channel to provide program content to develop an episode for a show highlighting the agencies hard closure work. Smithsonian is going forward with filming this March in partnership with NDOM, NPS, and NDOW.
8. NDOM AML attending the 2024 NAAML Winter Business Meeting in Santa Fe, New Mexico.

	SITES INVENTORIED	SITES SECURED	% Secured
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2024 To Date	184	184	100%

AML Hard Closure Project Pipeline					
Planning Phase	Wildlife/Cultural Surveys in Progress	Pending CX	CX Received, Pending Closures	In Construction	Recently Completed
WFO East; Elko, 24 hazards	Friberg; Lincoln, 25 hazards		Nelson; Clark, 111 hazards	Olinghouse; Washoe, 58 hazards	Montana Station; Nye, 3 hazards
WFO West; Elko, 23 hazards	Cahill; Humboldt, hazards 24		Searchlight; Clark, 34 hazards		

Kingston; Nye & Lander, 49 hazards	Jarbridge; Elko, 9 hazards	Aurora II; Mineral, 20 hazards			
Maggie Summit; Elko, 10 hazards	Caseltan; Lincoln, 51 hazards	Ely 10 Mile; White Pine, 28 hazards			

GIS/ Field Specialist (Lucia Patterson):

1. Worked on issues with AML field maps with interns and staff.
2. Prepared AME round up which included testing of new booth monitor, printing handouts, and preparing a presentation to advertise data sources at the booth.
3. Took several calls for questions regarding mineral rights.
4. Updated plans, notice, ROW, and mining claim data on open data site.
5. Worked on writing comments for the SEC-NAC rule, which was withdrawn the day before comments were due.
6. Prepared the mailing list and content for the annual status and production mailout.
7. Updated lease, row, plan, and notice lease information on open data site.
8. Updated major mines data on open data site to reflect 2022 data. The reason for the delay was trying to find a resolution for hosting photos which are called on in the data set, which has not been resolved just yet. Shutterfly changed their URLs.
9. Updated all production value data for the Nevada Mining and Land Withdrawal History Experience application.
10. Traveled to Vancouver and attended AME Round up.
11. Worked on and made significant progress on the geologic timescale application.
12. Worked on issue with AML wintern data upload, and AML scripts for data QAQC that were previously written but aren't working due to recent database changes.
13. Attended the Stagecoach cooperating agency quarterly meeting.
14. Compiled CMR land update presentation.

Field Specialist (Rick Kauffman)

1. Started work on a QAQC checklist provided by Lucia Patterson that included the following:
 - a. Check Land Status to make sure sites falling on *BLM land* = *BLM under land status*. Updated 39 sites that were on PVT land but labeled BLM as well as updated owners.
 - b. Pulled all sites that are *not secured orphans* and updated 189 owners.
 - c. Verified that hazard *site location* + *site rank* = *total rank* (0 error).
 - d. Verified revisits that have follow up code *needs repair* (0 errors).
 - e. Updated null values for *owners* (14 corrections)
 - f. Updated null values for *researched by* (33 corrections)
 - g. Researched *not secured* sites with a hazard rank >3, who were notified in the last 5 years who sites are not secured. A total of 716 sites have been notified in the last 5 years that have not been secured. Of the 716 sites, 177 sites have a new or updated owner/address.
2. Created HRC projects for the Forrest Service and presented findings to FS.
3. Worked on Forrest Service CO-OP grant sheet for 100K grant.
4. Attended and presented Rock Sampling presentation at the annual commissioners meeting in Las Vegas.
5. Attended a recruitment session at UNR.
6. Collected data for Jason Williams for culvert manuscript.

7. Help organize rock buckets for upcoming teacher's workshops.
8. Built model to automate annual AML counts.

AML/Fluid Minerals Field Specialist (Peter Engh):

1. Applied for \$1.4 Million in BLM grant money under new funding opportunity.
2. Met with BLM twice to discuss grant opportunity and continued partnership for AML projects on BLM land
3. Created a color coated project pipeline table to showcase the current phases of projects on BLM property
4. Attended the UNR Stem Fair to recruit summer intern.
5. Presented in front of 2 different UNR Geology Classes for recruitment.
6. Worked with Stan Wilkinson on Gold Planning class for the Southern Nevada Teachers Workshop.
7. Collected rocks and minerals for Teachers Workshop boxes
8. Met with Sarah Martinez at the USFS to discuss funding opportunities and the USFS-NDOM partnership
9. Met with EPS to implement a new safeguarding project in Mineral County and supplied them with data gathered in January with the winter interns.
10. Registered for TOPCORP 2024
11. Updated forms for the OGG Program
12. Sent NDOW GIS files for bat closures Northwestern Nevada
13. Provided data for several claimants and processed several data requests
14. Sent signs to SRK identify AML on claims

Fluid Minerals Program Manager (Dustin Holcomb):

1. Attend NPGS to meet with a party interested in geothermal drilling.
2. Perform research on defunct geothermal companies and orphaned wells.
3. Amend list of orphaned geothermal wells.
4. Attend an online IOGCC/DOI seminar on MERP Grants for plugging and abandoning orphaned wells.
5. Help coordinate the Teachers Mineral Workshop courses.
6. Continue efforts to clean up all databases.
7. Meet with the BLM to coordinate permitting.
8. Help Lucia teach a children's geothermal energy workshop at Bethlehem Lutheran School.
9. Respond to several inquiries regarding geothermal and DMRE drilling.
10. Meet with NDEP to update the MOU between agencies.
11. Meet with NDWR to discuss recent court ruling involving groundwater.
12. Review 12 GRDP applications that were submitted.
13. Process 4 Geothermal Sundries.
14. Approve 1 DMRE Well Permit.
15. Review 2 DMRE borehole NOIs, which were withdrawn until June.
16. Manage the data entry from geothermal and oil and gas monthly reporting.

	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in February	# of Wells Inspected in FY24	Wells Remaining
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1568	14-35	Ormat	Whirlwind- Expl	Obs.	Drilled & Shut-In
1567	14-34	Ormat	Whirlwind- Expl	Obs.	Drilled & Shut-In
1565	77(67)-27	Ormat	Whirlwind- Expl	Obs.	Drilling

Project Manager (Keith Hayes):

1. Reached out to various companies on the Purchasing Division's Statewide vendors list regarding preliminary estimates/quotes for updating the AML brochures, Mining in Nevada Activity Book, and AML Mini Units and received several estimates.
2. Reached out to automotive dealers regarding quotes for fobs and wheels for the two 2023 Ford F-150s and have received a couple of quotes for this work.
3. Reached out to custom automotive companies regarding quotes for installing tailgate seals on the two Ford F150s in preparation for field season and have received a couple of quotes.
4. Ordered and received materials for the Teachers Workshops and updated the inventory spreadsheet.
5. Attended Education Committee meeting on 2/13 to discuss the Teachers Workshops.
6. Garrett Wake and I met virtually with folks from DRI (Las Vegas) to discuss their education outreach efforts and the two of us will be meeting with them in person on 3/11 to provide them with 12 rock identification kits and 12 mineral identification kits which they will inventory to be signed out by teachers for use in Las Vegas area classrooms.
7. On 2/15, attended CMR Meeting and presented a request to update the AML brochures, Mining in Nevada Activity Book, and AML Mini Units. This request was approved for spending up to \$42,000.
8. On 2/20, I was the guest speaker (via Zoom) for a Professional Development course offered to geology students at Penn West University (Edinboro Campus) located in Pennsylvania. During this appearance, I promoted our Summer Internship Program.
9. On 2/21, I sent materials via FedEx to Toronto for PDAC.
10. Designed my lessons and activities for the Geothermal and Rock & Mineral courses I'll be teaching at the Las Vegas Teachers Workshop.
11. Helped to inventory and prep rock samples for the rock and mineral kits needed for the Teachers Workshops.
12. Logged and reported the monthly mileage for the NDOM vehicles.

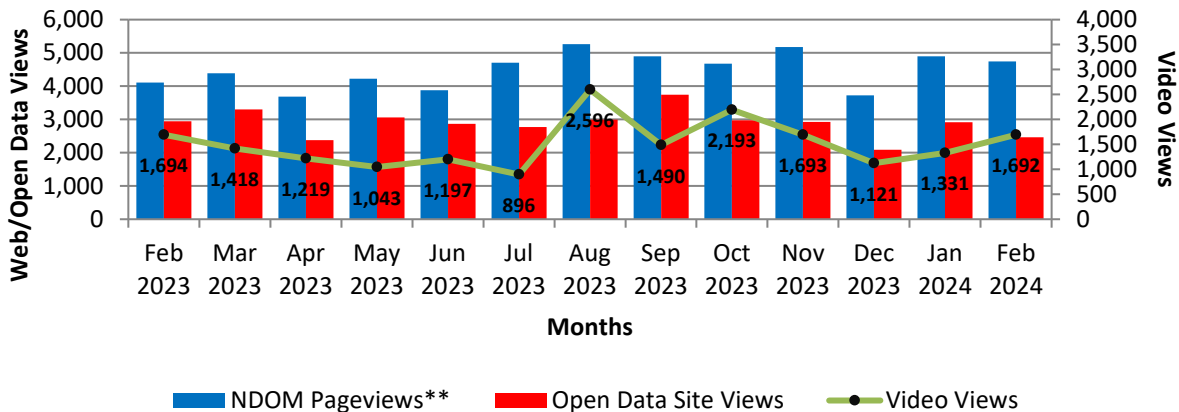
AML/Public Outreach and Education – Southern Nevada Field Specialist (Carol Shelton):

1. Successfully passed the FAA unmanned aircraft exam.
2. Presented geoscience presentation to four classes at Imagine Mountain View School to approximately 120 students.
3. Attended the kick-off meeting for the All About Mining class.
4. Conducted an inventory of items stored in shed.
5. Attended Education Committee Meeting to prepare for upcoming Teacher's Workshops in Las Vegas and Reno
6. Attended the Connecting Hands Offering Lifelong Learning Adventures (CHOLLO) meeting. CHOLLO is a community of agencies and businesses offering opportunities to educators for connecting and extending classroom learning. The CHOLLO website contains links to our Education and Outreach Webpage.
7. Prepared and submitted the NDOM 2023 Risk Management Report
8. Created presentation on mining, minerals, critical minerals, and careers for the Teacher's Workshops. Wrote lesson plans for K-5, 6-8, and 9-12. Identified or developed grade specific activities to go along with the presentation.
9. Went to the Valley of Fire to identify locations for the Teacher's Workshop tour. Gathered Valley of Fire information to be used during the tours.

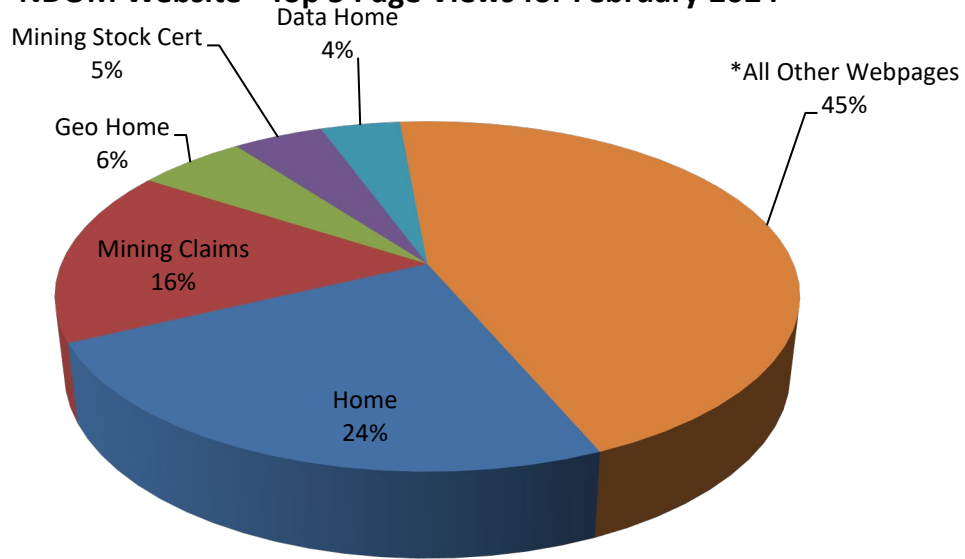
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NDOM Website - Top 5 Page Views for February 2024



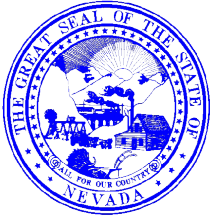
*All Other Webpages - Site pages including Home Pages, Current Information, About Us, Commission, Programs, News, FAQs, and Contact Us pages.

Top Visitors

Feb-2024	Country	United States, Canada, United Kingdom, India, and Australia
	State	Nevada, California, Washington, Texas, and Colorado
	City	Las Vegas, Reno, (unknown), San Jose, and Los Angeles

	<u>Video Views in February 2024</u>	<u>Top 5 Video Views</u>	<u>Dist Learn Trkr # of Classes</u>	<u>No. NV 45%</u>	<u>So. NV 55%</u>
Without Jimmy King Videos	1,566	1 The Basics of Mineral Identification, 2 Mining in Nevada - 18:22 mins. (both videos), 3 Igneous Rocks, 4 Weathering & Erosion Part 1, and 5 Ore Deposits an Overview	63	28	35
With Jimmy King Videos	1,692	1 The Basics of Mineral Identification, 2 Mining in Nevada - 18:22 mins. (both videos), 3 Igneous Rocks, 4 Weathering & Erosion Part 1, and 5 Ore Deposits an Overview/JK-KOBI Full Video	68	31	37

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



STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS
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JOE LOMBARDO
Governor

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Robert Ghiglieri
Administrator

EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS March 2024

Legislation, Industry, and Public Relations: The Division completed the regulatory updates required under Executive Order 2023-003 and the adopted regulations are now at LCB for final review and approval. The Administrator and other division staff attended various meetings including the Nevada Mining Association Environmental Committee, The Nature Conservancy's Smart from the Start, and held conversations with interested stakeholders on Lithium mining in Nevada.

Abandoned Mine Lands (AML): Service agreements for AML contractors under the new statewide AML contract are starting to be implemented and will continue as needed over the next four years. Closure work started at 58 hazards in Olinghouse and is expected to be completed in early April. A safeguarding project in Mineral County with over 100 hazards secured. Coordination and NEPA compliance work is ongoing for future AML closure projects statewide.

End-of-March AML statistics:

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,176	20,930	83%
2024 To Date	187	184	100%

Fluid Minerals: Four geothermal wells were or are being drilled in February. The program review 12 GRDP applications, process four geothermal sundries, approve one DMRE well permit, and reviewed two DMRE borehole NOIs. The Fiscal year-to-date inspection status:

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in March	# of Wells Inspected in FY24	Wells Remaining
Geothermal	486	162	32	133	20
Oil	122	41	0	0	41
Totals	608	203	32	133	61

Reclamation Bond Pool: March bond pool activities: one notice-level bond and one notice level bond increase.

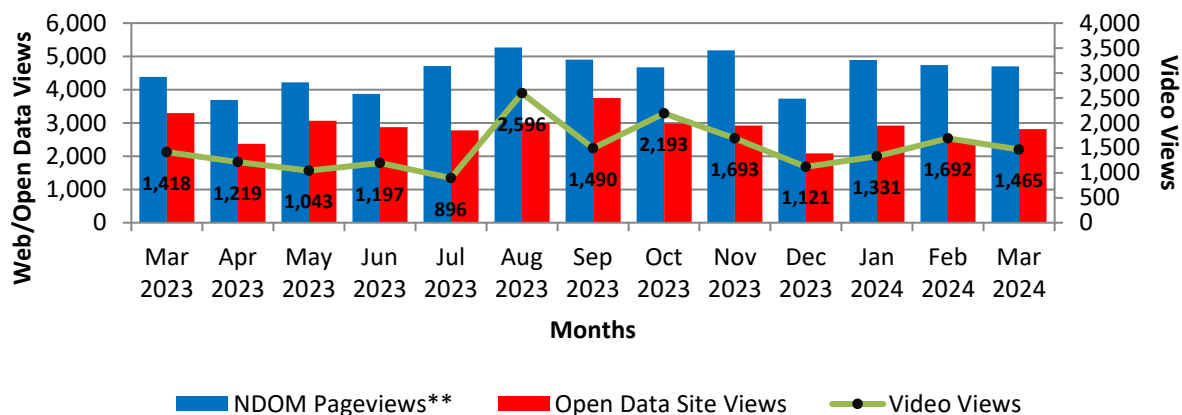
Reclamation Bond Pool Status Report		Current to:	3/1/2024					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Quartz Lake Mining	Red Rock Mill	8/16/2023	\$712,867.00	26.33%		\$406,706.14	\$23,676.88	60.4%
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.02%		\$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	\$174,689.38	312.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	15.88%		\$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	3.71%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	2.89%	\$3,795 increase in Jan, 2024	\$43,410.03	\$54,075.13	124.7%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.22%		\$238,536.99	\$227,058.41	106.0%
Statewide Notice-Level	Various	various	\$656,633.00	24.25%	46 Notice-level bonds			
Total Bond Amount			\$2,707,694.39					
Cash in Pool's Account (From BSR - 2/1/2024)			\$3,663,109.84					
Unfunded Amount			-\$955,415.45					
Percent funded			135.3%					

Minerals Education and Outreach: During the month of March the Division of Minerals Staff was able to perform 11 presentations reaching an estimated 300 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
Mar 2024	4,701	Home, Mining Claims, Geo Home, Mining Stock Cert, and Data Home	2,819	1,465
Mar 2023-Mar 2024	64,466	*Unique View Stats are No Longer Available	37,301	19,354

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



Financial, Personnel, and Safety: The reserve balance at the end of March was \$4,290,008. The Division is fully staffed with no personnel changes. There were no work safety incidents in January.

MONTHLY ACTIVITY REPORTS

March 2024

Administrator (Rob Ghiglieri):

1. Attended the Prospectors and Developers Association of Canada (PDAC) in Toronto. Minerals managed the Nevada booth with collaboration from GOED, BLM, GSN, NMEC, and others and I presented on Nevada Mining at the Ontario booth.
2. Prepared for the Interim Standing Committee on Natural Resources review of the Commission on Mineral Resources on April 5th. This included preparing a presentation to answer the requested list of questions and compiling a 23-page legislative history of the Commission and Division.
3. Reviewed and edited with Dustin the latest version of the NDEP/NDOM Fluids MOU permitting chart.
4. Participated in three interviews. One with Daniel Rothberg on Lithium for an independent article for Inside Climate News. Another with Amy Alonzo on the Rhyolite Ridge project focused on the Boron production. And the third was a short video with SME northern Nevada to promote the May SME presentation that I will be giving.
5. Assisted in the rewrite of the Western Governors Association resolution on the Cleanup of Abandoned Hardrock Mines.
6. Held various meetings with exploration companies and other industry related organizations interested in developing projects in Nevada.
7. Worked with staff to coordinate various ongoing projects within the agency and started the planning for the next budget cycle on their respective programs.
8. Attended and/or participated in the following meetings: NvMA Public Policy Committee, Arizona AML AI Learning update, ASD budget meeting, Nevada Mine waste study with NBMG and NDEP, Trout Unlimited's AML program and potential work in Nevada, CORE.NV update, Annie Huta with Mackay School of Mines, Crossties Transmission Project, and the SelectUSA Summit meeting with GOED.

Deputy Administrator (Garrett Wake):

1. March 2024 Bond Pool Activity:
 - a. One new notice level bond
 - b. One notice level bond increase
2. Travelled to Toronto, CA for PDAC 2024 in support of the Nevada exhibit; approximately 800 people interacted with Nevada-booth representatives over four days.
3. Instructed four classes and lead one tour during the 2024 Nevada Mineral Education Teacher Workshops. Created three tour logs and prepared surveys for the event.
4. Continued to manage the 2024 Spring session for the All About Mining virtual workshop.
5. Collaborated with the Certified Public Manager's program to host an agency consultation project for CPM Class 20. Five members of the program reviewed the agency's bond pool program and provided a report on a future area of improvement.
6. Completed a Technology Investment Notification (TIN) for the anticipated creation of a Fluid Minerals SQL database (FY25).
7. Worked with Crystal to complete the agency's GASB 87 (software) and Single Audit Certification (grants) annual reporting.
8. Updated the PDAC NV website (pdacnv.com) in preparation for the PDAC trade show.
9. Participated in the following additional meetings: DRI collaboration meeting, Rover Metals meeting, IMCC virtual meeting, monthly RAMS (Broadbent) SOSA AML database meeting, NDOM/NvMA Education Committee, ASD budget/fiscal meeting, NDOM staff meeting, and chaired a McCaw School of Mines board meeting.

March 2024 Bond Pool snapshot:

Reclamation Bond Pool Status Report			Current to: 4/1/2024					
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	26.08%		\$406,706.14	\$23,676.88	60.4%
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Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	16.07%		\$238,536.99	\$227,058.41	106.0%
Statewide Notice-Level	Various	various	\$678,954.00	24.84%	47 Notice-level bonds			
Total Bond Amount			\$2,733,810.39					
Cash in Pool's Account (From BSR - 3/29/2024)			\$3,716,379.16					
Unfunded Amount			-\$982,568.77					
Percent funded			135.9%					

Chief, Abandoned Mine Lands Program (Sean Derby):

1. EPS began hard continues work at Olinghouse Historical Mine in Washoe County with project completion expected in mid-April 2024. Currently 36 of 58 are permanently closed.
2. NDOM was granted categorical exclusion to permanently close 19 sites at the historic Aurora Mine in Mineral County.
3. AML staff continues to work with federal partners on grant applications and agreement modifications to increase AML funding for FY25.
4. AML staff completed the first biannual claimant notification mailout and continues corresponding with claimants to answer questions and track compliance.
5. EPS began hard closure work 3 at the Eureka Mine Hard closure in Lake Mead National Park.
6. AML staff continued recruiting efforts for the 2024 Summer Intern field season with digital and in person outreach.
7. NDOM AML coordinated production with the Smithsonian Channel to provide program content in development of an episode for a show highlighting the agencies hard closure work. Smithsonian completed filming this March in partnership with NDOM, NPS, and NDOW.
8. AML staff interviewed candidates for the 2024 Summer Internship and hired 6 students.

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Since 1987	25,176	20,930	83%
2024 To Date	187	184	100%

AML Hard Closure Project Pipeline					
Planning Phase	Wildlife/Cultural Surveys in Progress	Pending CX	CX Received, Pending Closures	In Construction	Recently Completed
WFO East; Elko, 24 hazards		Frieberg; Lincoln, 25 hazards	Nelson; Clark, 111 hazards	Olinghouse; Washoe, 58 hazards	Montana Station; Nye, 3 hazards
WFO West; Elko, 23 hazards		Cahill; Humboldt, hazards 24	Searchlight; Clark, 34 hazards		

Kingston; Nye & Lander , 49 hazards	Jarbridge; Elko, 9 hazards		Aurora II; Mineral, 19 hazards		
Maggie Summit; Elko , 10 hazards	Caselton; Lincoln, 51 hazards	Ely 10 Mile; White Pine, 28 hazards	Pine Tree Mine; Mineral, 6	Eureka Mine; Clark, 3 Hazards	

GIS/ Field Specialist (Lucia Patterson):

1. Put together land update presentation for February CMR meeting.
2. Updated OGG and DMRE data on the open data site.
3. Created a stratigraphy lesson for 3rd graders and presented it to the 3rd graders at Bethlehem and Bethlehem Lutheran.
4. Presented fossils at Fritch Elementary and Bethlehem Lutheran.
5. Working on ESRI licensing for NDOM with Broadbent.
6. Attended Carson Highschool Career fair.
7. Updated the land analysis map after receiving some user comments.
8. Completed workplace violence training.
9. Compiled a public facing web application to view the Sage-grouse DEIS alternatives.
10. Training with Rick and Dustin on Field Maps/GIS.
11. Updated mining claims, plans, notice, and ROW data on open data site.
12. Participated in the Smithsonian Channel AML filming.
13. Completed some training with Rick and Keith in the field.
14. Started compiling the presentation for MALRI.
15. Developed a script for processing effects to minerals/mining using polygons associated with proposed land actions.
16. Compiled a public facing web application to view the Westwide Solar PEIS alternatives.

Field Specialist (Rick Kauffman)

1. Continued work on QAQC of the data base
 - a. Priority revisits: Checked revisit dates against priority revisit date found 13 errors and removed 5 priority revisits.
 - b. QAQC on research dates >5 years and updating Owners this will take a while as there are 9704 sites that fall in this QA.
2. Created a Congressional District map for Rob.
3. 1 week in Las Vegas for Teachers Workshop.
4. Interviewed 7 interns.
5. Wrote a brief history on the Olinghouse and Gold Butte mining district for the Smithsonian Channel.
6. Fixed GeTac and field tested in Olinghouse.
7. Assisted on the Olinghouse Smithsonian Channel TV shoot.
8. Completed Spring AML mailouts and continuing with communications from claim holders.

AML/Fluid Minerals Field Specialist (Peter Engh):

1. Assisted with the Teachers workshop and hosted 4 different sessions of a Placer Gold Mining and Gold Panning Class
 - a. Procured the materials for the Gold Panning Class

- b. Drove the state truck and trailer to Vegas from Carson City with all the Teacher's Workshop materials
2. Participated in the filming of the Smithsonian show "How Did They Fix That?" by interviewing on camera, assisting with logistics, answering questions of the crew, etc.
 - a. Participated in both filming locations (Lake Mead and Olinghouse)
3. Logged 2 new hazard sites in Lake Mead National Recreation Area
4. Logged several new hazard sites in Olinghouse
5. Scheduled and preformed interviews for 8 summer interns
6. Responded to multiple claimants with information regarding the spring mail out.
 - a. Helped provide signs to claimants
 - b. Updated SOSA database to reassign orphaned sites or mark sites as secured
7. Met with NDOW to discuss pipeline of future projects
8. Processed several public data requests
9. Updated the FAA drone registration for our Mavic 3 drone
10. Sent USFS supporting documents for Boulder Hill and Aurora Projects
11. Notified the Nevada Grant Office of our BLM grant application
12. Provided NDEP with arial drone footage of the Prince Mine

Fluid Minerals Program Manager (Dustin Holcomb):

1. Amend list of orphaned geothermal wells.
2. Attend Teachers Mineral Workshop planning committee.
3. Continue efforts to clean up OGG all databases.
4. Attend the Carson High School Job Fair to represent earth science degrees and the minerals industry.
5. Meet with the BLM on the monthly permit coordination meeting.
6. Respond to several inquiries regarding geothermal assets.
7. Begin process of updating well bonding information.
8. Process 2 sundries for geothermal.
9. Review and comment on NDEP-NDOM MOU.
10. Update DWR with the recently approved DMRE well permits and geothermal well applications.
11. Approved 5 observation wells in Ormat's, Pearl project Area, and 3 thermal gradient wells at Ormat's McGee prospect.
12. Adjudicate 10 DMRE borehole NOI to Drill in the Columbus Marsh.
13. Register for IOGCC Annual Business meeting, in Oklahoma.
14. Perform well audits in the Rye Patch and Desert Peak geothermal fields.

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected in March	# of Wells Inspected in FY24	Wells Remaining
Geothermal	486	162	32	133	20
Oil	122	41	0	0	41
Totals	608	203	32	133	61

Well Drilling Operations					
Permit	Well	Operator	Field	Type	Status
1565	77(67)-27	Ormat	Whirlwind-Expl	Obs.	Completed 3/27/2024

Project Manager (Keith Hayes):

1. Attended PDAC in Toronto, Ontario, Canada 3/2-3/7.
2. Attended Education Committee meeting on 3/5.
3. Participated in the Las Vegas Teachers Workshop 3/10-3/14 where I taught Geothermal and Rocks & Minerals courses and was a member of the Careers Panel.
4. Collected three 5-gallon buckets each of marble and basalt for the rock kits on the return trip from Las Vegas (3/14).
5. Attended NDOM RAMS Database Monthly meeting on 3/18.
6. Sat in on Summer Internship interviews on 3/18 and 3/19.
7. Arranged for Fleet Services to service a tire on the 2020 Dodge Ram on 3/21.
8. Completed Whistleblower and Defensive Driving Refresher Trainings on 3/21 and scheduled future training for Workplace Violence (4/9) and MSHA Surface Miner (5/22).
9. Arranged for service for both 2023 Ford F-150s to have tailgate seals installed for dust prevention (both were installed on 3/22 by TSA Custom Car & Truck).
10. Had trailer jack serviced/replaced on 3/22 at TSA Custom Car & Truck.
11. Went out in the field with Dustin H. to Desert Peak for a well audit on 3/27.
12. Went out to AML Project in Olinghouse for Smithsonian Channel video shoot on 3/28.
13. Took Ford F-150 (EX82221) to Performance Auto Services for an oil change on 3/28.
14. Met with statewide contractors (Davidson Belluso, DP Video Productions, and Estipona Group) regarding the updates to the AML materials that the Commission approved funding for at last month's meeting.

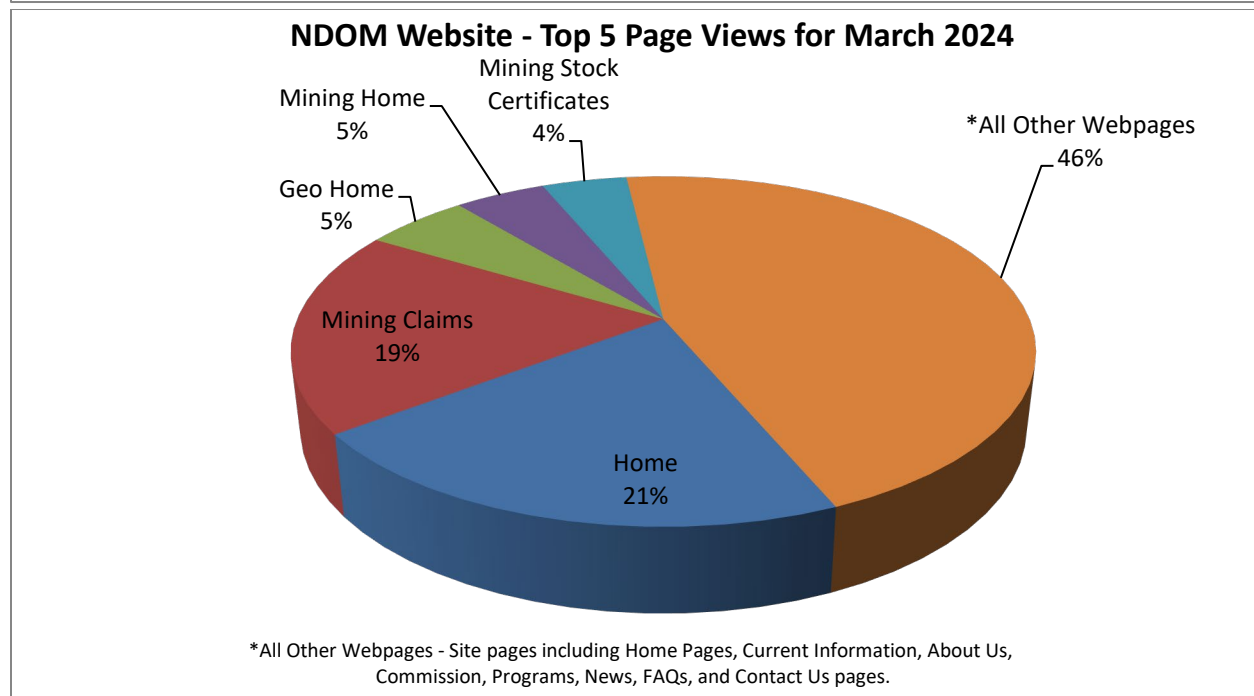
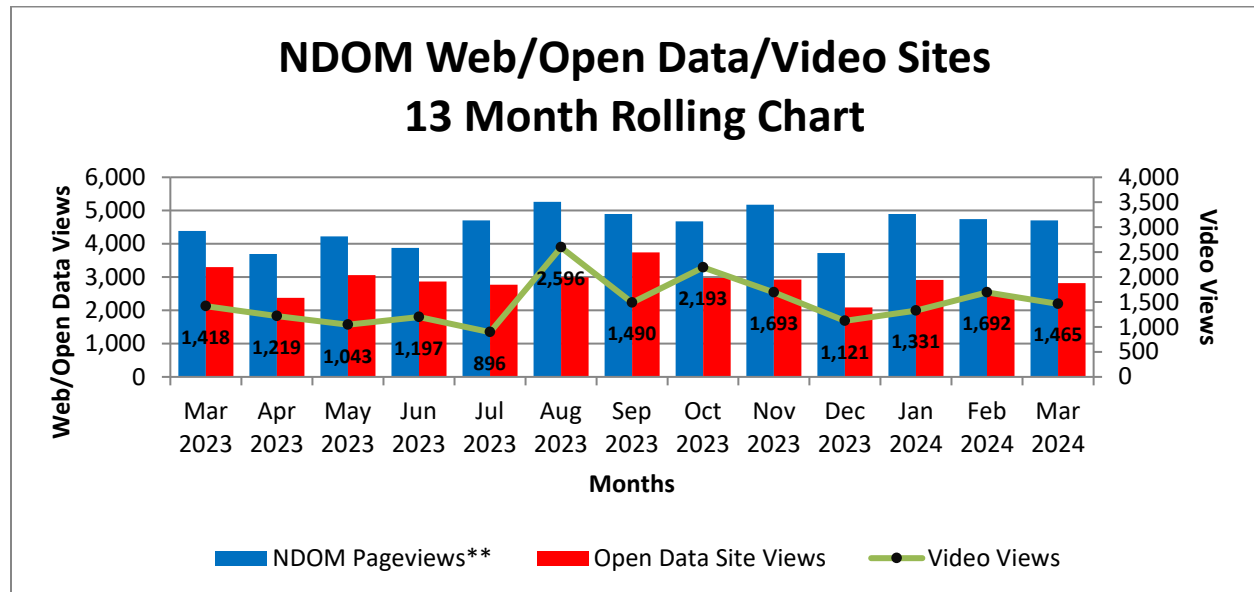
AML/Public Outreach and Education – Southern Nevada Field Specialist (Carol Shelton):

1. Support AML program by participating in summer intern interviews and rating for selection.
2. Provided overall support to the Southern Nevada Teacher's Workshop and conducted two presentations. The presentation content included an Overview of the Mining Process, the Importance of Minerals, Critical Minerals, and Careers in Mining in Nevada.
3. Reviewed abstracts and attended the UNLV Science Fair. On behalf of the Nevada Association of Mining and NDOM, the Effects of Different Fertilizers on Plant Growth was selected based on the study of fertilizers with or without minerals added to it.
4. Supported three elementary schools career days as follows:
 - a. Cambeiro – 5 sessions with approximately 140 students
 - b. Keller – 9 sessions with approximately 270 students
 - c. Triggs – 1 session with approximately 270 students
5. During Nevada Reading Week, read a book about mining and discussed the importance of minerals as follows to two elementary schools:
 - a. Cambeiro – 10 sessions with approximately 300 students
 - b. Rundle – 6 sessions with approximately 110 students
6. Supported 2 high school career days which included speaking to students about careers in the mining industry in Nevada as follows:
 - a. Coronado – 1 session and spoke to approximately 50 students.
 - b. Las Vegas 6 sessions and spoke to approximately 180 students.
7. Reached out to past schools to schedule career day presentations.

8. Updated presentation from the Southern Nevada Teacher's Workshop and provided it along with the Lesson Plan and classroom activities to teachers who attended the class.

Website Activity:

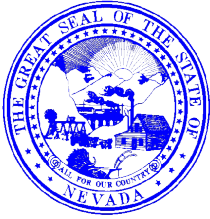
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Mar 2024	4,701	Home, Mining Claims, Geo Home, Mining Stock Cert, and Data Home	2,819	1,465
Mar 2023-Mar 2024	64,466	*Unique View Stats are No Longer Available	37,301	19,354



<u>Top Visitors</u>		
Mar-2024	Country	United States, Canada, United Kingdom, Australia, and India
	State	Nevada, California, Texas, Washington, and Virginia
	City	Las Vegas, (unknown), Reno, San Jose, and Los Angeles

	<u>Video Views in March 2024</u>	<u>Top 5 Video Views</u>	<u>Dist Learn Trkr # of Classes</u>	<u>No. NV 45%</u>	<u>So. NV 55%</u>
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****Video views for Jimmy King KOBİ are from the NDOM YouTube site only****



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Robert Ghiglieri
Administrator

EXECUTIVE SUMMARY AND MONTHLY ACTIVITY REPORTS April 2024

Legislation, Industry, and Public Relations: The Legislative Commission approved the Division's Executive Order 2023-003 changes to NAC 534B under LCB File No. R134-23. The Division in coordination with Commissioners Felder and Hallinan, presented the Commission on Mineral Resources and Division of Minerals to the Joint Interim Standing Committee on Natural Resources. Held the initial meeting with Tim Robb and Chase McNamara to discuss BDR proposals for the 2025 session and held a brief meeting with Governor's Lombardo's Chief of Council, Mr. Nielsen to review lithium permitting within Nevada. Administrator Ghiglieri gave a welcome speech on the second day of the Recharge Nevada, Nevada Lithium Circular Economy Conference at the University of Nevada. Administrator Ghiglieri participated in two interviews with Amy Alonzo on two articles, Geothermal: <https://thenevadaindependent.com/article/tapping-into-the-heat-beneath-nevadans-feet> And Oil and Gas: <https://thenevadaindependent.com/article/price-hikes-for-leasing-land-for-oil-gas-exploration-could-force-industry-out-of-nevada>

Abandoned Mine Lands (AML): Service agreements for AML contractors under the new statewide AML contract are starting to be implemented and will continue as needed over the next four years. Closure work started at 58 hazards in Olinghouse and is expected to be completed in early April. A safeguarding project in Mineral County with over 100 hazards secured. Coordination and NEPA compliance work is ongoing for future AML closure projects statewide.

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	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,184	20,931	83%
2024 To Date	195	185	94%

Fluid Minerals: Four geothermal wells are actively being drilled in February. The program reviewed 12 applications or sundries were received and/or approved by the Fluids Program. A total of 92 oil wells were inspected in April.

The Fiscal year-to-date inspection status:

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected this month	# of Wells Inspected in FY24	Wells Remaining
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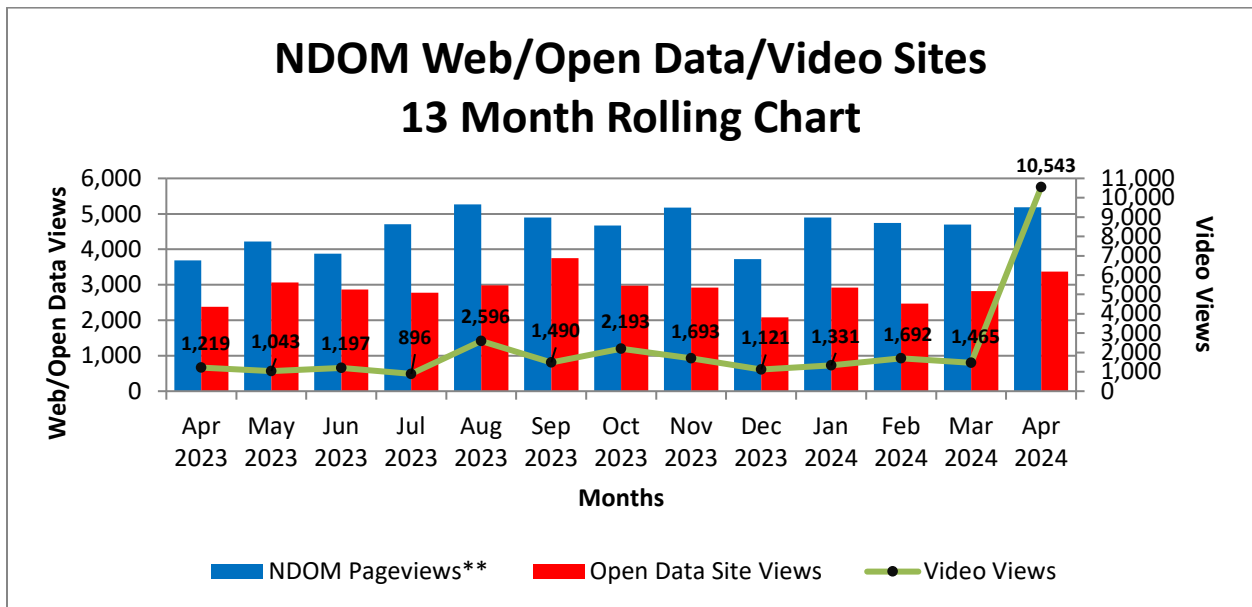
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Percent funded			137.8%					

Minerals Education and Outreach: During the month of April the Division of Minerals Staff was able to perform 34 in-person presentations and 59 we-hosted videos reaching an estimated 1,500 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
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Apr 2023-Apr 2024	63,759	*Unique View Stats are No Longer Available	37,376	28,479



Financial, Personnel, and Safety: The reserve balance at the end of April was \$3,641,628. The Division is fully staffed with no personnel changes. There were no work safety incidents in April.

MONTHLY ACTIVITY REPORTS

April 2024

Administrator (Rob Ghiglieri):

1. In coordination with Commissioners Felder and Hallinan, presented the Commission on Mineral Resources and Division of Minerals to the Joint Interim Standing Committee on Natural Resources, and provided answers to their questions.
2. Met with Governor's Lombardo's Chief of Council, Mr. Nielsen to review lithium permitting within Nevada.
3. Held the initial meeting with Tim Robb and Chase McNamara, NDOM's representatives with the Governor's Office to discuss BDR proposals for the 2025 session.
4. Gave a welcome speech on the second day of the Recharge Nevada, Nevada Lithium Circular Economy Conference at the University of Nevada.
5. Met with the Department of Taxation and reviewed the process for the Net Proceeds of Minerals Tax and discussed the annual production and statistic mailing.
6. Worked with ASD, Garrett, and Crystal on the FY26/27 budget planning process and forecasting NDOM program enhancement projects.
7. The Legislative Commission approved the Division's Executive Order 2023-003 changes to NAC 534B under LCB File No. R134-23.
8. Participated in two interviews with Amy Alonzo on two articles, Geothermal: <https://thenevadaindependent.com/article/tapping-into-the-heat-beneath-nevadans-feet> And Oil and Gas: <https://thenevadaindependent.com/article/price-hikes-for-leasing-land-for-oil-gas-exploration-could-force-industry-out-of-nevada>
9. Gave two talks at the Mining and Land Resources Institute (MALRI). The first talk was on the Nevada State of the State for Mining with Lucia, and the second was on the Nations Abandoned Mine Lands Dilemma.
10. Participated in a tour of the Pathfinder Liberty Project just outside of Tonopah with GOED, Samsung Renewables, Still Bright, and Activate New York.
11. Attended and/or participated in the following meetings: Governor Lombardo's Rural & Natural Resources Sub-Cabinet meeting, the Nature Conservancy, BLM Sage Grouse Cooperative Agencies, CORE.NV update, NvMA, SelectUSA Summit with GOED, ASD budget, IMCC, NDEP AML team, USGS Mine Waste Team, NBMG, and MMSA AML Summit leaders.

Deputy Administrator (Garrett Wake):

1. April 2024 Bond Pool Activity:
 - a. One plan level bond increase
 - b. Two notice level decreases
 - c. One plan level application
2. Completed the Spring Session of the All About Mining Course and submitted participants for PDE credit; 16 teachers awarded credit.
3. Executed two service agreements supporting the new AML statewide contract.
4. Began development of the SQL Bond Pool Database project.
5. Invoiced ten mining companies for surface disturbance fees on public lands.
6. Graduated from the 18-month Nevada Certified Public Manger's course.
7. Toured the Pathfinder Tonopah copper project.
8. Continued to manage the NDOM Reclamation performance Bond Pool.
9. Participated in the following additional meetings: DRI workshop meeting, GOED update, Interim Standing Committee on Natural Resources, Board of Examiners, All About Mining Live

Sync Session, Bond Pool Database Check In, RAMS SOSA Database, NV State Museum Exhibit Development, NDOM Staff Meeting and Interim Finance Committee.

April 2024 Bond Pool snapshot:

Reclamation Bond Pool Status Report		Current to: 5/1/2024						
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	26.98%		\$406,706.14	\$23,676.88	60.4%
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	6.17%		\$84,036.27	\$40,873.70	76.6%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.55%		\$7,328.32	\$19,370.51	182.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	2.52%		\$33,715.62	\$175,042.75	313.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	16.28%		\$233,171.91	\$314,690.44	127.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	1.74%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	3.80%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$81,956.00	3.10%		\$43,410.03	\$54,465.94	119.4%
Dun Glen Mining	Dun Glen	8/11/2014	\$371,138.00	14.05%	Reduced 4/17/24	\$238,536.99	\$227,058.41	125.5%
Statewide Notice-Level	Various	various	\$655,690.00	24.81%	47 Notice-level bonds			
Total Bond Amount			\$2,642,444.39					
Cash in Pool's Account (From BSR - 4/30/2024)			\$3,641,628.67					
Unfunded Amount			-\$999,184.28					
Percent funded			137.8%					

Chief, Abandoned Mine Lands Program (Sean Derby):

1. EPS continued hard continues work at Olinghouse Historical Mine in Washoe County with project completion expected on May 9, 2024. Currently 55 of 58 are permanently closed.
2. NDOM and EPS began project planning permanently close 19 sites at the historic Aurora Mine in Mineral County.
3. AML staff continued to work with federal partners on grant applications and agreement modifications to increase AML funding for FY25.
4. AML staff completed the first biannual claimant notification mailout and continues corresponding with claimants to answer questions and track compliance.
5. EPS completed hard closure work 3 at the Eureka Mine Hard closure in Lake Mead National Park.
6. AML staff hired 6 well qualified undergraduate students 2024 Summer Intern field season and selected 13 locations as focal points for inventory and safeguarding work.
7. AML staff coordinated content and strategy with Motus Media to launch the second Stay Out Stay Alive digital media campaign.
8. NDOM AML held meetings with NDOT to discuss cooperation with DOT Photogrammetry Division to enhance the AML programs drone reconnaissance operations and planned a joint field project for June 2024.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	25,184	20,931	83%
2024 To Date	195	185	94%

AML Hard Closure Project Pipeline					
Planning Phase	Wildlife/Cultural Surveys in Progress	Pending CX	CX Received, Pending Closures	In Construction	Recently Completed
WFO East; Elko, 24 hazards		Friberg; Lincoln, 25 hazards	Nelson; Clark, 111 hazards	Olinghouse; Washoe, 58 hazards	Montana Station; Nye, 3 hazards
WFO West; Elko, 23 hazards		Cahill; Humboldt, hazards 24	Searchlight; Clark, 34 hazards	Aurora II; Mineral, 19 hazards	
Kingston; Nye & Lander, 49 hazards	Jarbridge; Elko, 9 hazards	Caseltan; Lincoln, 51 hazards		Pine Tree Mine; Mineral, 6	
Maggie Summit; Elko, 10 hazards		Ely 10 Mile; White Pine, 28 hazards		Eureka Mine; Clark, 3 Hazards	

GIS/ Field Specialist (Lucia Patterson):

1. Prepared a presentation and presented at MALRI.
2. Attended MALRI for “Registered Landman” continuing education.
3. Attended hearing on our commission at the legislature.
4. Organized and entered all metal, nonmetal, gem, and claim annual status and production reports received to date.
5. Reviewed and drafted comments on Solar DPEIS.
6. Reviewed public lands rule and updated summary completed after reviewing the draft rule.
7. Updated mining claims, notices and ROWS on the open data site.
8. Assisted in writing a brief narrative on Rosemont.
9. Attended a tour at the Pathfinder copper project in Tonopah.

Field Specialist (Rick Kauffman)

1. Assembled office furniture.
2. Continued with AML mailout communications.
3. Upload EPS filed data to SOSA.
4. Continued with Jason Williams data found 50% of recommended closures waiting to hear from BLM to assist with missing data.
5. Aerial site review for summer interns Dixie Valley, Mina and Lida.
6. Created overview maps for intern binders.
7. Created a map reading power point and exercise for interns.
8. Met with NDOT to discuss the Wingtra drone and remote sensing ideas.

AML/Fluid Minerals Field Specialist (Peter Engh):

1. Met with the Nevada State University Coordinators for Employee Relations and discussed our internship program with them in length
2. Communicated with claimants and provided information like pictures, maps, and contractors, to assist with securing of abandoned mines

3. Met with NDEP about their AML program
4. Provided drone imagery to Ryan Clarke at NDEP for the Caselton area
5. Updated SOSA database with cultural recommendations for the Caselton Project
6. Updated SOSA database with wildlife recommendations for the Cahill Project
7. Completed data requests for Westland and Power Engineers Inc.
8. Planned and executed a two-night AML recon mission in Northern Washoe County
9. Organized the purchase of new Garmin Messengers that will allow staff and interns to text each other in the field leading to easier logistics and less time wasted.
10. Performed aerial recon of satellite imagery for the summer intern locations
11. Researched drones to improve our drone imagery program and met with NDOT to ask questions and review their fixed wing drone
12. Updated training week presentations for summer interns, specifically hazard recognition and QA/QC

Fluid Minerals Program Manager (Dustin Holcomb):

1. Update IOGCC Orphaned Well Survey with Nevada's statistics.
2. Continue efforts to clean up all OGG databases.
3. Begin developing an OGG Bond database that can be integrated into the main OGG databases.
4. Create bond letter templates that can be used when bonds are established for wells on private lands.
5. Meet with the BLM on the monthly permit coordination meeting.
6. Respond to several inquiries regarding geothermal assets.
7. Supply information for several data requests regarding geothermal and oil and gas.
8. Attend the UNR Geothermal Town Hall. Discuss permit tracking in the database.
9. Prepare CMR presentation.
10. Review and comment on NDEP-NDOM MOU including process table.
11. Process 4 sundries for geothermal and 2 for oil wells.
12. 1 geothermal well permit and 1 project area permit were approved.
13. Adjudicate 4 additional DMRE borehole NOI to Drill in the Columbus Marsh.
14. Inspected DMRE drilling operations at Columbus Marsh.
15. Perform well audits in the Railroad Valley oil fields.

FY 2024 Well Inspections					
	Total # of Wells	# Wells Needed for FY24 (1/3 of total)	Wells Inspected this month	# of Wells Inspected in FY24	Wells Remaining
Geothermal	486	162	0	133	20
Oil	122	41	92	92	0
Totals	608	203	92	225	20

Well Drilling Operations					
Permit	Well	Operator	Field	Type	Status
1560	44(33)-22	Ormat	Pearl	Obs.	Drilling
1569	43-22	Ormat	Pearl	Obs.	Drilled Surface
1570	63(64)-22	Ormat	Pearl	Obs.	Drilled Surface
NOI	N0061-N0074	Altitude Li	Columbus Marsh	DMRE Borehole	Drilling

Project Manager (Keith Hayes):

1. Met with MOTUS to set up and execute Jimmy King campaign launch (4/1,4/12,4/29)
2. Met with AML staff to discuss intern training week presentations (4/4).
3. Attended Education Committee Meeting to review the Las Vegas Teaching Workshop and discuss the upcoming Workshop in Reno (4/9).
4. Attended and completed in-person Workplace Violence training course offered by Risk Management (4/9).
5. Completed online Sexual Harassment Prevention course on NVElearn (4/10).
6. Submitted design ideas and artwork to YESCO (Lee Liston) and arranged launch of billboard campaign.
7. Attended NDOM RAMS Database meeting between NDOM and Broadbent (4/15)
8. Attended Geothermal Town Hall at UNR (4/16)
9. Responded to correspondence from Great Basin Claims LLC regarding the letter NDOM sent about AML hazards on their claim (4/17).
10. Drafted a mission statement for the Earth Science Education Workshops to be reviewed by the Education Workshop Committee.
11. Continued communication with vendors regarding updates to the AML brochures and began developing a Scope of Work for the project.
12. Scheduled maintenance for the 2023 Ford F-150s
13. Designed a half-page NDOM ad for the Elko Mining Expo conference program.
14. Approved YESCO billboard designs for installation (4/26).
15. Met with Erika R. (GeoSyntec) to discuss the Rocks & Minerals course we'll be teaching at the Northern Nevada Teaching Workshop (4/26).
16. Compiled a list of supplies needed for the AML Program to outfit the trucks for the Summer Intern season.
17. Performed aerial recon of potential AML sites in preparation for Summer Intern field work.

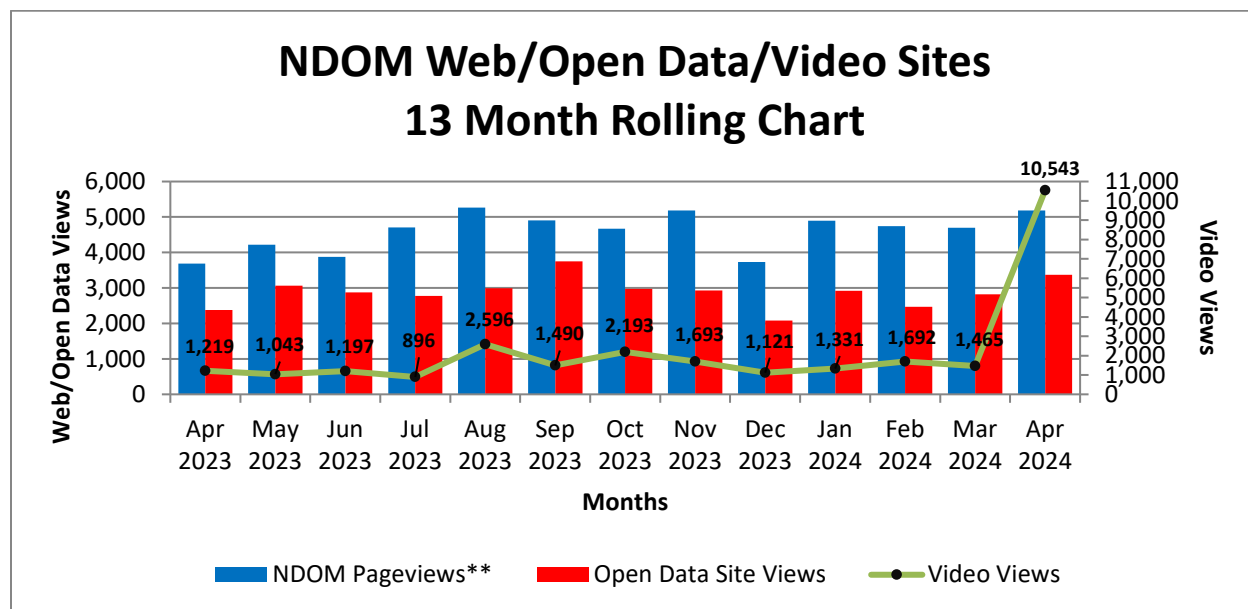
AML/Public Outreach and Education – Southern Nevada Field Specialist (Carol Shelton):

1. Garrett Wake and I met with Desert Research Institute STEM Education Coordinator and others from the Office of Education to discuss collaboration and STEM training opportunities, educator professional development, and to provide DRI with rock and minerals kits to loan to educators through their K-12 Science Alive STEM Education Program.
2. Developed presentation to give at the DRI STEM Workshop for At-Risk Adults and Students. The presentation will be given in May.
3. Prepared Tick Safety and Awareness training deck to train NDOM employees on this hazard when conducting field activities.
4. Prepared a Rock Cycle presentation and activities to give to 80 first graders. The presentation was made to be engaging and include music and movement to gain and obtain the attention of young students. The presentation will be given in May.
5. Supported three elementary schools career days as follows:
 - a. Scherkenbach ES-6 sessions with approximately 650 students

- b. Earl ES-5 sessions with approximately 130 students
 - c. Divich ES-5 sessions with approximately 165 students
 - d. Hoggard ES-3 sessions with approximately 70 students
6. Supported one high school career day which included speaking to students about careers in the mining industry in Nevada as follows:
 - a. Foothill and spoke to approximately 100 students.
7. Attended the April CHOLLA meeting. A presentation was given by the Dairy Council on social media. The presentation touched on the importance of keeping your online presence updated and relevant to your audience.
8. Attended the Education Committee Meeting and received comments from attendees of the Southern Nevada Teachers Workshop.

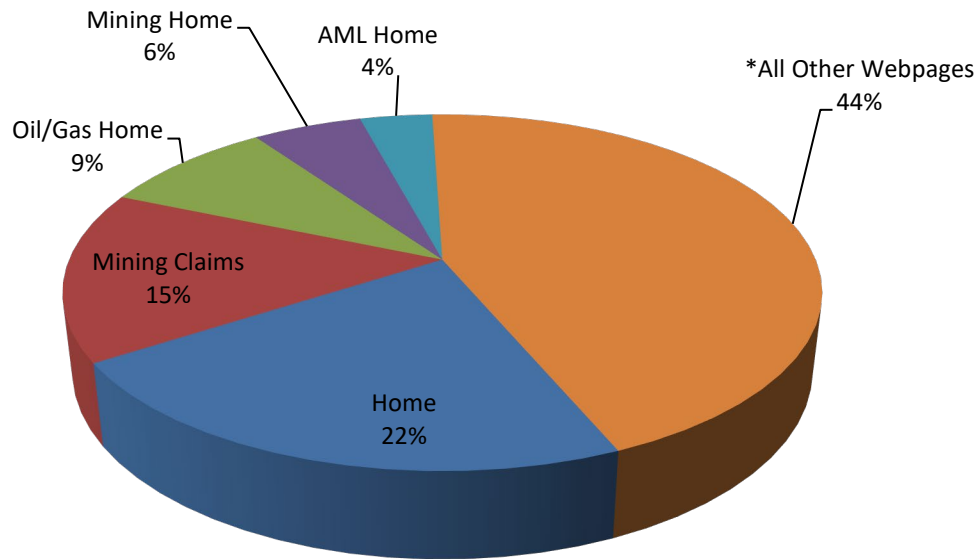
Website Activity:

Period	NDOM Website Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Apr 2024	5,181	Home, Mining Claims, Oil/Gas Home, Mining Home, and AML Home	3,372	10,543
Apr 2023-Apr 2024	63,759	*Unique View Stats are No Longer Available	37,376	28,479



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 April 2024



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

Top Visitors

Apr-2024	Country	United States, Canada, United Kingdom, India, and Germany
	State	Nevada, California, Washington, Texas, and Virginia
	City	Las Vegas, (unknown), Reno, Los Angeles, and San Jose

	<u>Video Views</u> <u>in</u> <u>April 2024</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	1,478	1 The Basics of Mineral Identification; 2 Mining in Nevada - 18:22 mins. (both videos); 3 Ore Deposits an Overview; 4 Weathering & Erosion Part 1; & 5 APP_ Videos 50 ea Totaled Together	59	27	32
With Jimmy King Videos	10,543	1 JK-KOBI Climbing; 2 JK-KOBI bridge out; 3 JK-KOBI Hitchhiker; 4 The Basics of Mineral Identification; & 5 Mining in Nevada - 18:22 mins. (both videos)	422	190	232

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