



JOE LOMBARDO
Governor

STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS

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MICHAEL VISHER
Administrator

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COMMISSION ON MINERAL RESOURCES
Nevada Bureau of Mines and Geology
Great Basin Science Sample and Records Library
2175 Raggio Pkwy, Reno, NV 89512

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

Meeting ID: 971 282 5638

Passcode: NDOM

Wednesday, February 1, 2023

1:00 P.M.

AGENDA

CALL TO ORDER

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

ROLL CALL

PLEDGE OF ALLEGIANCE

COMMENTS BY THE GENERAL PUBLIC

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

ACTION WILL NOT BE TAKEN

I. AGENDA

A. Approval of the Agenda

FOR POSSIBLE ACTION

II. MINUTES

A. Approval of the November 30, 2022, meeting minutes

FOR POSSIBLE ACTION

III. NEW BUSINESS

A. Introduction of New Staff

FOR DISCUSSION ONLY

Carol Shelton was hired to fill the vacant Outreach/Field Specialist position in the Las Vegas office and started on December 27, 2022. - Mike Visher

B. Review of Existing Regulations per Executive Order 2023-003

FOR POSSIBLE ACTION

On January 12, 2023, Governor Lombardo issued Executive Order 2023-003 Requiring each executive branch agency complete a comprehensive review of the regulations subject to its enforcement and provide a report to the Governor's office by May 1, 2023. A review of the order, its requirements, and a plan for compliance will be presented. - Mike Visher

- C. Review of the Agency's Fiscal 2023 Revenue, Expenditures, and Forecast **FOR DISCUSSION ONLY**
A review of the Division's current revenue and expenditures will be provided along with the year-end forecast and anticipated impacts to the FY 24/25 biennial budget.
- Mike Visser

- D. Request for Financial Assistance for Equipment at the GBSSRL **FOR POSSIBLE ACTION**
A request for financial assistance will be made by Director Jim Faulds, Bureau of Mines and Geology, to provide a 1:1 match for federal funds for the purchase of equipment to be located at the Great Basin Science Sample and Records Library (GBSSRL).
- Jim Faulds, NBMG Director

IV. OLD BUSINESS

- A. Update on McCaw School of Mines Exhibit **FOR POSSIBLE ACTION**
The CMR approved \$15,000 toward a new large-format video projection system at the McCaw School of Mines contingent upon the organization securing the remaining funding necessary to produce the exhibit. An update will be provided.
- Garrett Wake

- B. Update on "Stay Out, Stay Alive" Digital Marketing Campaign **FOR DISCUSSION ONLY**
An update will be provided on the status and impacts resulting from the the "Stay Out, Stay Alive" social media and digital marketing campaign including costs to-date.
- Sean Derby

- C. Update on Federal Funding for AML **FOR DISCUSSION ONLY**
An update will be provided on the status and amounts of federal funding expected to be made available this federal fiscal year to the states and federal agencies for hardrock abandoned mine land programs.
- Rob Ghiglieri

- D. Review and Status of CMR-Approved NBMG Projects **FOR POSSIBLE ACTION**
A review of the status of current Nevada Bureau of Mines and Geology (NBMG) projects previously approved by the Commission will be provided. This will include a discussion on any changes to deliverables, the timing thereof, and/or associated costs.
- Jim Faulds, NBMG Director

V. COMMISSION BUSINESS

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

COMMENTS BY THE GENERAL PUBLIC

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

ADJOURNMENT

NOTICE TO PERSONS WITH DISABILITIES

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to notify the Division of Minerals, 400 W. King Street, Suite 106, Carson City, NV 89703 or contact Jessie Dumas at (775) 684-7043 or by email at jdumas@minerals.nv.gov

II. MINUTES



STEVE SISOLAK
Governor

STATE OF NEVADA
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Wednesday, November 30, 2022

1:00 P.M.

MINUTES

Commissioners	Staff	Public
Josh Nordquist	Mike Visher	Paul Eckert, NDEP via Zoom
Mary Korpi	Rob Ghiglieri	Robert Ernaut, R&R Partners via Zoom
Art Henderson via Zoom	Jessie Dumas	Jeff Collins, NDEP via Zoom
Bob Felder via Zoom	Sean Derby	
Nigel Bain via Zoom	Debbie Selig	
Randy Griffin	Anthony Walsh, DAG	
Stephanie Hallinan	Dustin Holcomb	

CALL TO ORDER

1:00 PM

ROLL CALL

All Commissioners present.

PLEDGE OF ALLEGIANCE

COMMENTS BY THE GENERAL PUBLIC

There were no comments.

AGENDA

A. **Approval of the Agenda**

Motion to approve by: Nigel Bain

Seconded by: Mary Korpi

Unanimously approved

II. MINUTES

A. **Approval of the October 24, 2022, special meeting minutes**

Motion to approve the October 24, 2022, minutes made by: Stephanie Hallinan

Seconded by: Randy Griffin

Unanimously approved

III. NEW BUSINESS

A. Federal Mining Law Reform, Hardrock AML, and Good Sam Legislation.

Rob Ghiglieri reviewed the Federal Mining Law Reform, Hardrock AML, and Good Sam Legislation (presentation attached).

Mike Visher: Following the presentation in packet is the joint letter that was sent with NDEP. As the leading hard rock state in the country, this has a huge impact. The Congressional delegation understands that. With the Hardrock AML Bill, this is transformative for the program, it is significantly more money than we've seen from the State. It also provides a steady funding stream for NDEP and their AML program. Once funds received you have five years to spend. Next step is for the Commission to understand and provide input on how to prioritize this and manage with staff. We need to be ready soon to apply for grant funding, track the funding, and prepare for the audits. The other part is our involvement with IMCC. Years ago, IMCC approached us to become a member state. Members are the Governors of the states, membership is set by statute. We're already members of IOGCC also by statute. We started the associate member process; it is a letter to IMCC from the Governor with the intent to become a member. It had been a five-year associate member process and you paid every year. The dues are determined by a schedule based on current production. At the time the funding formula would have made us the number one due-paying member. At the time we couldn't afford \$55,000 a year for dues. We have stepped back and are no longer an associate member. Instead, we are a pseudo partner and, as a State, continue to pay \$5,000 to continue to stay engaged. We don't vote but we have a seat at the table and are part of the conversations. With the AML hardrock component, it's been hugely important. Rob has been working with USGS, OEPC, and IMCC to establish this national database. I have not spoken to incoming Governor Lombardo's staff; I would like to hear what the Commission would like to see and if the Commission thinks Nevada should become a member. Takes time to go through the process, and what the funding would look like. IMCC represents the liaisons with the federal agencies and the states, we are well represented right now with IMCC.

Stephanie Hallinan: What has been the approach with NDEP at this point?

Paul Eckert: NDEP projects are funded mainly by bankruptcy settlements or responsible parties, there are very limited funds for AML projects. This is a good prospect for NDEP, time has been scheduled to try to modify the current MOU between the two agencies to properly handle the funds. We have a list of projects where we could apply the funds to. We are looking forward to working with NDOM on projects with both environmental remediation and safety. We are having to put all the information together on a grant application and keeping our eyes out for news from Washington.

Jeff Collins: We're in the same boat as NDOM, we're aligned with NDOM, and we complement each other. We are going to have to divide this money to show what both divisions can do from the environmental and physical hazard sides. We have done that a little in the past with the Birthday Mine which had some arsenic mine drainage killing cows. We were able to collaborate with BLM and NDOM to manage that drainage. Question to address if we have prepared for money, that is through the budget planning process and what has been provided to LCB and GFO. You can't budget what you don't have. There are processes in place, like if the EPA comes up with additional money that wasn't budgeted for, we can go before Interim Finance Committee for work program approvals. If we need more staff, the hiring process takes time.

Randy Griffin: Is this money coming or not?

Mike Visser: It's in the President's budget, there will be a dollar amount, there was five million last year to start the program. There is more coming, but there is not an ultimate plan of long-term funding source.

Rob Ghiglieri: There is an anticipation of an annual report to Congress by the USGS. In the initial years it may just be inventory. To answer the question, there is money coming, how much, no idea at the moment.

Randy Griffin: We don't know exactly when?

Rob Ghiglieri: Once the budget is passed, we will know how much was authorized.

Mike Visser: They're trying to get a national database to look at issues. In the short term, we can start contracting out the jobs once we know the dollar amount, and then start the program-building process knowing that will take several years.

Mary Korpi: Not knowing when and how much, we could get the list of quick hits. When we get the go ahead and tackle projects.

Rob Ghiglieri: Yes, by spending time with Sean on project planning and finding additional time to develop shovel ready projects. We are looking to have projects ready.

Stephanie Hallinan: Have you put together that ready framework if you wanted to take it to the political folks?

Rob Ghiglieri: Not yet. We have been waiting for the last year to see what funding is going to be available, and after the IMCC meeting we have some updates ready. OEPC expects a six-month turnaround for grants after the budget is passed.

Anthony Walsh: To clarify the action item, because we don't know when the money is arriving and how it will be divided up, or of an assessment of the framework, the action item for today will have to be an action item for another day to adopt a framework. Today we can discuss how we might build a framework to be finalized at a later meeting.

Mike Visser: Hoping for some direction on how we might proceed with organization and how we might spend this money. For us, the current priority is the hazard rank. We can come back to you with framework overview for review.

Josh Nordquist: We know the process in the State will take planning and time.

Mike Visser: The process is a challenge. It's not really a strategic action item, it's more of a request for another product at a future meeting.

Josh Nordquist: We all agree that we want to be proactive.

Bob Felder: It's kind of a catch-22, you want to be proactive, but you're forced to be reactive when the money becomes available.

Mike Visser: By our next Commission meeting they (OEPC) actually know the budget; we need to plan for adequate resources to move forward. NDEP is more experienced with the grant funded positions, we are not. We'd like to see clarification if it is State money and not a grant-funded position, if not how does the State see that money coming in?

Randy Griffin: If is not a grant, could the state determine how to best spend it?

Mike Visser: There would be limits on how it could be spent, but it would need to be spent on the AML program. We were hoping that we would know more by now.

Josh Nordquist: I think we're supportive of you putting together a framework or essence of a plan. What else should you focus on for presenting to us next year?

Mike Visher: A working draft of an updated MOU with NDEP looking at roles, responsibilities, and placeholders to plug in names following discussions with NDEP. MOUs tend to live longer than agency heads and key staff. You don't see a problem with that, do you Jeff?

Jeff Collins: No problem, we are aligned and have an MOU now. We'll work to make the current MOU more robust, the last one from 2019 is not too old so we have something to build off of. We work together well and see eye to eye on capacity within AML programs, so I don't see this being a big deal.

Josh Nordquist: I look forward to seeing an update at the next meeting.

B. 2022 AML Program Update

Sean Derby: Provided a brief update on the AML program (presentation attached).

Josh Nordquist: Are we spending more time in securings than logging? What is the cause for the lower numbers in the non-hazards and revisits?

Rob Ghiglieri: Yes, a securing takes way longer.

Sean Derby: We wanted to send them to areas with more "NV points" that are theoretically more likely to have a hazard. The field work ranking system was changed, an algorithm that Lucia uses to identify hot spots. It's something that we will continue to modify and improve on.

Mary Korpi: Are you getting any returning interns?

Sean Derby: Winter intern program is going to start on January 3. Morgan Adamson from this summer is coming back, along with Sarah Tomlinson from 2021 and Austin Warren from this summer.

IV. Old Business

A. Update on "Stay Out, Stay Alive" Digital Marketing Campaign

Sean Derby reviewed the statistics on the "Stay Out, Stay Alive" Digital Marketing Campaign (presentation attached).

Nigel Bain: If we don't update it by June, do you think the content interaction will drop off?

Sean Derby: I think that the initial video is good enough to have people coming back. We are currently seeing a lot more interactions with content than we ever have.

Rob Ghiglieri: Every agency I've share with all loved it and shared it; everyone enjoyed it.

Josh Nordquist: Are any other state programs doing this?

Rob Ghiglieri: BLM, Colorado, Utah, and California have expressed. Top 10 views come from Los Angeles, San Francisco, Bakersfield, Reno, Sparks, Las Vegas. We are meeting the correct demographics with a lot of California, just due to the population.

Sean Derby: Travel Nevada helped us; their background is in digital marketing. They want to run a quarterly ad with our spokesperson, embedding the video on their page. Mike had a good idea about generating the plate covers. To increase engagement on the landing page, we have a dialog box where we ask a couple questions, you'll get a free plate frame.

Randy Griffin: Off topic, I record a show on PBS, Wild Nevada, it would be a nice place to put ads. It goes into rural places in the middle of nowhere.

Sean Derby: Dustin used his connections at a local TV station who will run the 30 second ad on TV. I will run from December 5 to end of the year with a PSA rate. Will be on NBC and Fox during morning and evening news, and Nevada UNR games.

Sean Derby shared YouTube analytics indicating an increase on our YouTube channel from average of 27 views to over 1,000 per day on the 21st.

Bob Felder: What caused the big jump on November 20?

Sean Derby: Our media company might have been testing it. It went fully live on the 22nd. Debbie made it public on Friday the 18th.

Bob Felder: You mentioned that the most hits are from the LA area, why? What about Nevada audience results?

Sean Derby: Nevada had the next 6 highest locations of visiting site. We think California is due to population, as it is not being pushed there or targeted.

Randy Griffin: People looking to prospect in California and they're accidentally getting a Nevada site.

Sean Derby: Using the keywords will tag you and make the content pop up on your screen.

Art Henderson: When I search Jimmy King, I get a basketball player. Name something more unique in the future.

Josh Nordquist: Initial impact is noticeable, there is more to be done and we could see a larger impact.

Sean Derby: I will provide you with dashboard updates when we get official numbers.

B. Review of Commission-Approved Contracts

Rob Ghiglieri provided an update on existing approved contracts and plans in the future (presentation attached).

Bob Felder: What was the reason why the lithium project didn't get initiated?

Mike Visher: Lisa Stillings is the author on the report. She has been pulled of this project doing other USGS work also related to lithium. They have had to extend the deadline to finish it. She is the lithium expert, so she gets pulled in for a number of projects, and she is actively field mapping.

Bob Felder: Do we have a date or is it floating?

Mike Visher: Our expectation is that it will be completed by the new deadline. We have already extended it once, and now are extending it again.

Bob Felder: If that were to happen again would we reconsider reallocating that money?

Mike Visher: That is subject to reconsideration, as far as I know, no invoice for her work has been received by NBMG. They invoice when the work is completely done. I intend to have Jim Faulds at the next CMR meeting where he will be presenting an update on their contracted projects.

C. Review/Update of AML mailout

Dustin Holcomb presented an update on the status of the AML Mailout (presentation attached).

Randy Griffin: Are the letters certified letters?

Rob Ghiglieri: No, not the first round. We are starting to look into certified on the second round.

Sean Derby: Recently we've cut down the size of the mailouts due to finally catching up over the past few years.

Rob Ghiglieri: The legislative audit that happened in 2014, said we needed to do a better job at tracking notifications. It's difficult due to tracking claimants that are changing, companies sell, we are tracking twenty-five thousand. With our staff tracking hazard ownership changes can be difficult, and the database was not capturing some of the attributes that it needed to properly represent the process. The database is now capturing the data required.

Randy Griffin: Everything is by email nowadays; can you communicate by email?

Rob Ghiglieri: I agree that would be affective, but we just don't know how we would get the correct email address. When notifying the Bond Pool participants of their premiums and a company becomes late, before I send out the 30-day notice of termination, I try to find emails first. If I don't have one on file, sometimes I will send it to info@companyname.com and still they won't respond until a specific person is found. It becomes a huge time sink, and it's only a fraction of the AML hazards.

Dustin Holcomb: Another reason it's hard to track is that we will get responses in Spring when we should be getting responses in the Fall. Is it worth the time to figure out what notification it came from or capturing the securing information.

Rob Ghiglieri: When notifying the claimants for the second time, we are also notifying the county commissions. Unfortunately, it's an unfunded mandate that rarely sees any progress from the county.

Anthony Walsh: Please put these presentation slides on the attachments on the website.

Mike Visser: Will do.

V. COMMISSION BUSINESS

A. Review of staff monthly activity reports.

Administrator Visser explained the reports for July, August, September, and October.

B. Correspondence to the Commission.

Administrator Visser pointed out to the Commission the note written by Annie Huhta for the Mining Center of Excellence.

C. Set date for next Commission meeting.

The next quarterly meeting will take place on either February 1 or 2, 2023, time and venue TBD.

COMMENTS BY THE GENERAL PUBLIC

There were no public comments.

ADJOURNMENT

3:49pm

III. NEW BUSINESS

III. A. Introduction of New Staff

THIS SECTION IS INTENTIONALLY LEFT BLANK.

III. B. Executive Order 2023-003

EXECUTIVE ORDER 2023-003

Order Freezing the Issuance of New Regulations and Requiring a Review of Existing Regulations by All Executive Branch Agencies, Departments, Boards and Commissions

WHEREAS, state regulations should protect workers, consumers and the environment, while promoting entrepreneurship and economic growth; and

WHEREAS, state regulations can become outdated, result in unintended consequences, create conflicts or impose an unnecessary burden on citizens, businesses or government entities; and

WHEREAS, it is in the best interest of the state of Nevada that its regulatory environment be concise, transparent, stable, balanced, predictable and thoughtfully constructed; and

WHEREAS, Nevada's current regulatory structure is too often unfocused and inefficient, contains regulations that are obsolete and includes regulations that are unnecessarily onerous, thereby limiting the economic potential of the State; and

WHEREAS, Article 5, Section 1 of the Nevada Constitution provides that, "The Supreme Executive Power of this State shall be vested in a Chief Magistrate who shall be Governor of the State of Nevada;

NOW, THEREFORE, by the authority vested in me as Governor by the Constitution and laws of the State of Nevada, it is hereby ordered as follows:

SECTION 1

Every executive branch department, agency, board and commission shall undertake a comprehensive review of the regulations subject to its enforcement. On or before, May 1, 2023 each department, agency, board and commission shall provide a report to the Governor's office detailing how the regulation subject to its enforcement can be streamlined, clarified, reduced or otherwise improved to ensure those regulations provide for the general welfare of the State without unnecessarily inhibiting economic growth.

SECTION 2:

As part of its report, every executive branch department, agency, board and commission shall provide a list of not less than ten (10) regulations recommended for removal, ranking them in descending order of priority.

SECTION 3:

Prior to submitting their respective reports, every executive branch department, agency, board and commission shall hold a public hearing, after having provided reasonable notice consistent with Chapter 233B of the Nevada Revised Statutes, to key industry stakeholders, to: (i) vet their recommended changes; (ii) solicit input as to the merits of those changes and (iii) identify other regulatory changes stakeholders feel are worthy of consideration. Stakeholder input shall be reflected in the summary of findings and recommendations included in each submitted report.

SECTION 4:

Unless specifically exempt from this Executive Order as set forth in Section 5, no new regulations shall be proposed, approved or acted on by any executive branch agency, department, board or commission until such time as this Executive Order is rescinded.

SECTION 5:

The following regulations are not subject to the suspension set forth in Section 4:

- (a) Regulations that affect public health;

- (b) Regulations that affect public safety and security;
- (c) Regulations that are necessary in the pursuit of federal funds and certifications;
- (d) Regulations that affect the application of powers, functions and duties essential to the operation of the executive branch agency, department, board or commission at issue;
- (e) Regulations that affect pending judicial deadlines; and
- (f) Regulations necessary to comply with federal law.

Until the suspension of this Executive Order, each executive branch department, agency, board and commission that intends to continue with the enactment of a proposed regulation under an exception to the freeze set forth in Section 4 shall submit a report to the Governor’s office identifying which exemption the proposed regulation falls within and detailing the problem the regulation addresses or the value to the public of the regulation, how the regulation addresses the problem or the benefits provided by the regulation, why alternate forms of regulation are insufficient to address the problem and whether other regulations currently address the problem.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Nevada to be affixed at the State Capitol in Carson City, this 12th day of January, in the year two thousand twenty-three.

Governor

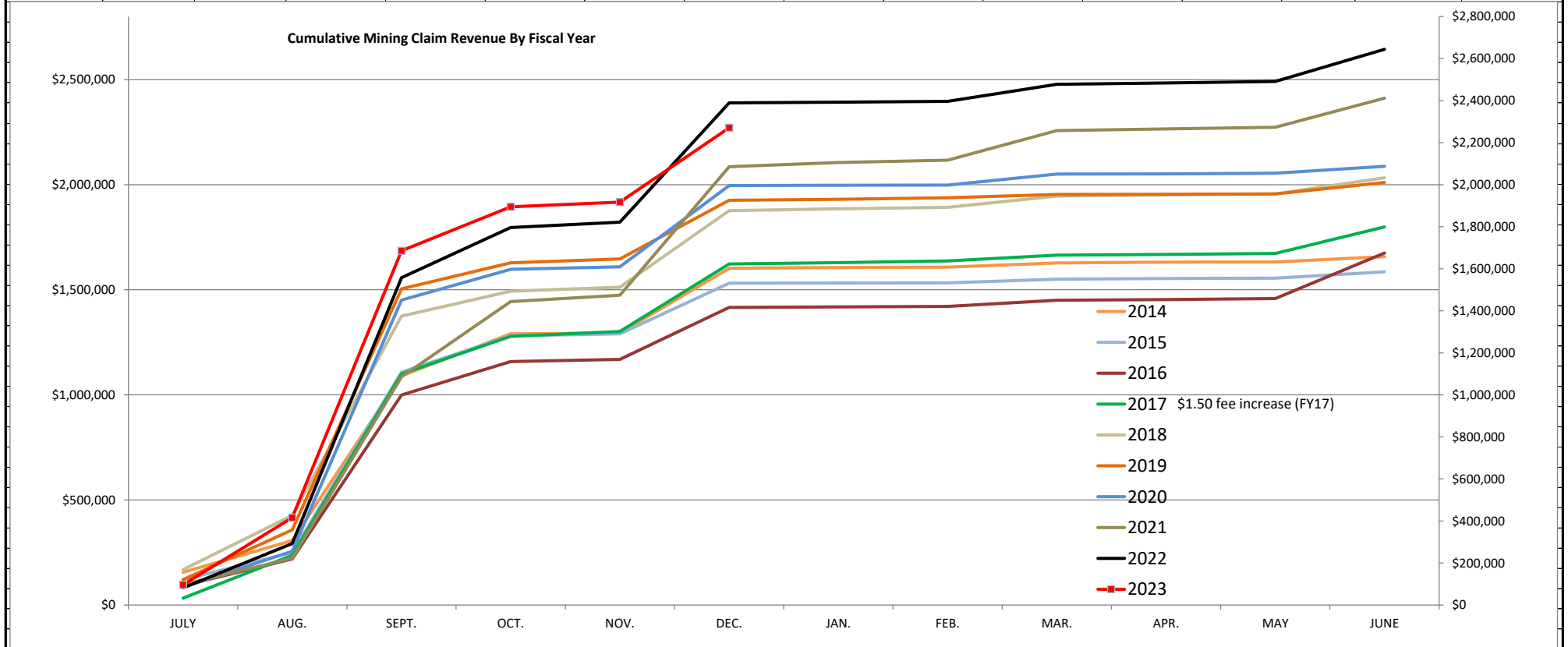
Secretary of State

Deputy

III. C.1 Cumulative Mining Claim Revenue
FY14-23 as of January 23, 2023

Fiscal Year Cumulative Mining Claim Revenue By Month

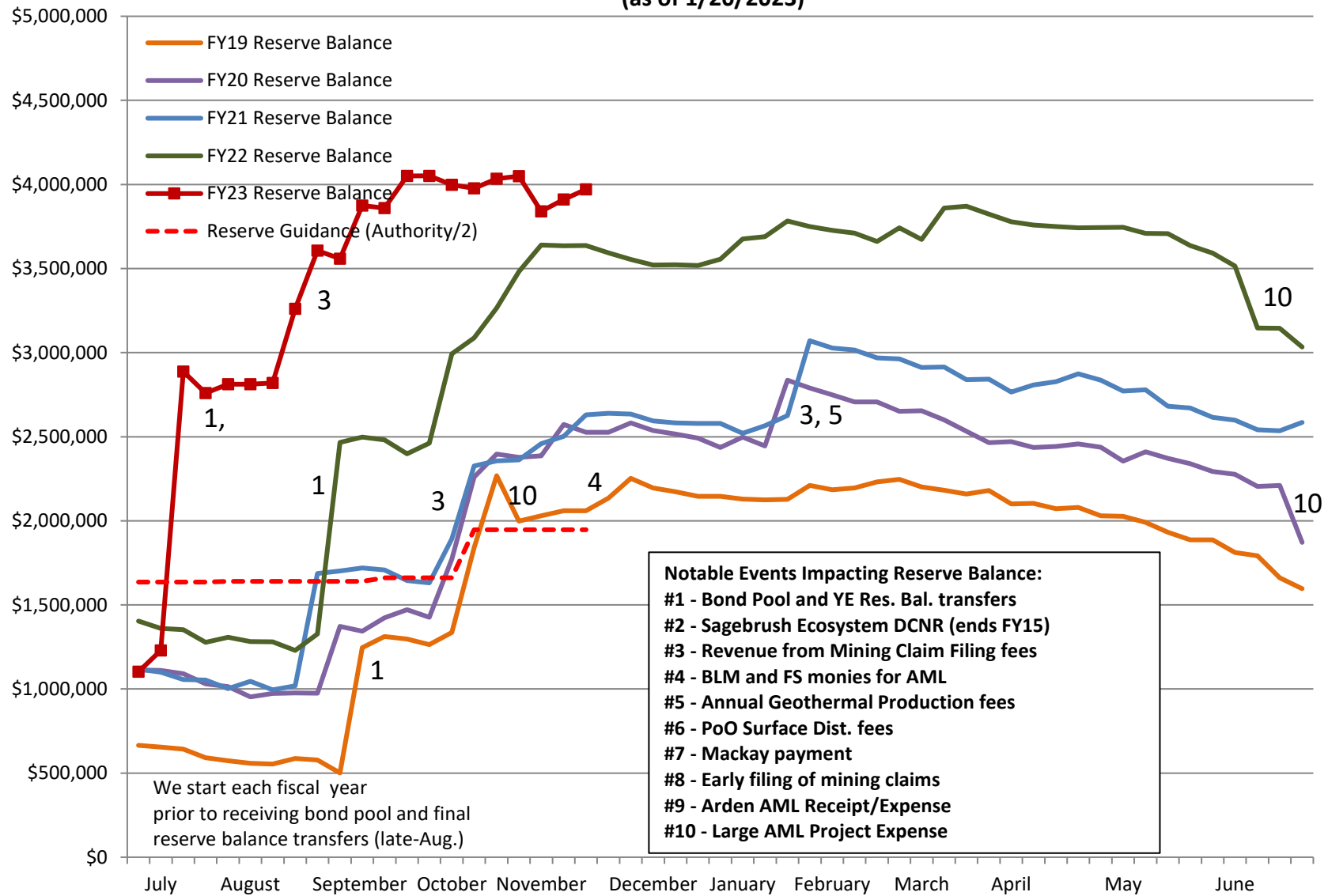
Fiscal Year	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	\$ YOY	Total Claim Filings	
2023	\$96,380	\$415,580	\$1,685,420	\$1,894,890	\$1,916,910	\$2,270,590									
2022	\$81,700	\$292,160	\$1,557,970	\$1,796,170	\$1,821,730	\$2,389,380	\$2,392,810	\$2,396,650	\$2,477,620	\$2,483,930	\$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	
FY23 data as of 1/20/2023 Pending: CC, DO, LI, NY, and WP															
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															



III. C.2 Reserve Balance FY19 - FY23

NDOM Reserve Balance by Week for FY19 - FY23

(as of 1/20/2023)



III. C.3 2021 - 2025 Forecast

CMR-Division of Minerals - 2021-2025 Budgets and Forecasts (as of 1/20/2023)									
Revenue									
GL #	Description	FY21 Actuals	FY22 Actuals	FY23 Authority	FY23 YTD	FY23 Forecast	FY24 Forecast	FY25 Forecast	Remarks
2511	Balance Forward Previous Year	1,871,712	2,624,665	3,031,285	3,031,285	3,031,285	2,529,148	2,475,830	
3578	BLM Grant	202,473	200,000	200,000	144,201	200,000	200,000	200,000	BLM grant funding AML work. \$200k grant awarded 9/6/21, anticipate similar amount thru FY25
3580	USFS Assistance Agreement	28,039	80,349	150000	0	80,000	80,000	80,000	USFS assistance funding AML work
3584	NPS Grant		77,787			0	0	0	National Park Service funding for AML work (unknown future funding)
3654	Oil Production Fee	20,508	22,668	37,907	17,916	36,000	36,000	36,000	\$0.15 per bbl fee for oil production annually (\$0.05 from 12/20 - 10/21)
3717	Oil Permit Fees	2,500	4,400	3,300	1,000	2,000	2,000	2,000	Permit fees for new oil and gas wells
3718 & 3727	Mining Claim Fees	2,411,550	2,644,100	2,114,150	2,119,930	2,750,000	2,640,000	2,534,400	Mining Claim fees @ \$10/claim filing, forecast for FY23, -4% for FY24, -4% for FY25
3736	Geothermal Fees	143,850	156,550	160,800	19,400	164,000	164,000	164,000	Annual fee and permit fees for geothermal wells and permitting
3740	Dissolved Mineral Resource Fees	0	8,000	2,000	4,000	8,000	8,000	8,000	Permit fees for DMR (lithium brine) well permits
3770	Surface Disturbance Fee (AML)	102,180	92,080	81,740	10,960	92,080	92,080	92,080	\$20 per acre fee for new mine surface disturbance, FY23=12-year avg.
4011	Copy Machines - Sales to Public	15	0	27	0	0	0	0	Copying charge for Public Records Request
4027	Publication Sales (AML signs)	1,556	2,937	1,210	3,196	4,000	4,000	4,000	AML signs sold at office
4218	Credit Card Rebate		294			294	294	294	
4311	Medallion Royalty Fee	788	253	1,304	0	253	253	253	Fee for minting of medallions with State seal remitted to NDOM
4326	Treasurer's Interest	12,998	24,971	40,990	11,156	24,971	24,971	24,971	Interest we receive for money deposited with Treasurer
4620	Transfer from Recl. Bond Pool	63,695	58,057	80,793	0	58,057	58,057	58,057	Fee from Bond Pool for NDOM Management
4669	CARES Act Reimbursement	10,320	0			0	0	0	Federal funds used to offset pandemic related expenditures
	REVENUE TOTAL	\$4,872,185	\$5,997,111	\$5,905,506	\$5,363,044	\$6,450,940	\$5,838,804	\$5,679,886	
Expenditures									
CAT #	Description	FY21 Actuals	FY22 Actuals	FY23 Authority	FY23 YTD	FY23 Forecast	FY24 Forecast	FY25 Forecast	Remarks
01	Personnel (Sal.,WC, PERS,OT)	1,156,212	1,183,314	1,315,261	593,873	1,342,893	1,519,797	1,608,225	FY22/23 is as in Leg-Approved Budget plus \$40k (OT), 1% COLA (FY23), 8% COLA in FY24, 4% COLA in FY25, plus \$30k retirement payout ('23), FY24 +86k new GIS (9
02	Out-of-State Travel (Staff, CMR)	0	16,381	21,228	9,576	21,228	33,642	38,357	FY23 as in budget, FY24/25 as proposed
03	In-State Travel (Non-AML)	2,084	11,966	12,900	5,039	12,900	15,425	15,425	Travel, lodging and per-diem within State, as in budgets
04	Carson Operating Expenses	95,031	105,272	113,134	51,676	113,134	122,992	122,992	Rent, Operating supplies, as in budgets
05	Equipment	0	1,210	1,706	860	1,706	3,960	3,999	Desks, chairs, as in budget
08	CMR Travel (In-State)	422	1,712	7,128	0	7,128	7,128	7,128	As in Budget
09	Special Projects (Mackay, NBMG)	209,936	152,016	539,207	146,841	539,207	187,400	144,200	FY23 \$97.2k (NBMG-base contract), \$75.6k (FY23 NBMG-Lithium and RRV), \$27k (PDAC), \$5k (AME), \$15k (NvMA Ed), \$15k (McCaw), \$38.2k (NBMG Mining District Files Scanning); FY24-\$97.2k (NBMG base), , \$43.2k (NBMG Soda Lake Geo), \$47k (PDAC/AME/NvMA Ed); FY25-\$97.2k (NBMG base), \$47k (PDAC/AME/NvMA Ed)
14	Las Vegas Operating Expenses	32,667	41,420	46,442	30,256	46,442	41,552	42,479	As in budgets
17	Fluid Minerals	7,583	12,986	11,983	8,597	11,983	18,955	18,955	Field expenses for OGG and DMRE, as submitted in State Budget
18	AML Support (per diem, trucks, fuel, AML supplies and travel, SOSA supplies)	146,764	134,367	239,174	77,440	239,174	263,091	263,091	Up to 8 summer interns and 4 winterns FY23-25; includes one new truck each year
25	CARES Act Expenditures	10,320	0			0	0	0	
26 & 82	Computer and IT	43,754	34,411	30,429	10,215	30,429	45,113	24,132	Computer hardware/replacements; EITS services and support
30	Training	4,721	5,075	6,764		6,764	8,225	8,225	ESRI and other training
39	AML Enhancements(contracts, equip.)	481,463	1,133,857	1,076,806	418,108	1,076,806	1,005,000	955,000	\$800k/yr contracted AML closure and related work. \$50k/yr CL Cty revisits (thru 24), \$30k LV UTV (FY23), \$50k/yr geo analysis, \$75k/yr cultural surveys, \$10k/yr helicopter surveys, \$20k/yr billboards, \$120k digital media campaign (FY23)
42	Public Agency AML Securing			400,000	0	400,000	0	0	Any unspent funds from FY23 would be transferred to FY24
87 & 88 & 89	Cost Allocations (State, Purchasing, AG)	96,085	90,693	71,998	39,191	71,998	90,693	90,693	Purchasing assessment, AG cost allocation, State cost allocation
	EXPENDITURE TOTAL	\$2,287,042	\$2,924,679			\$3,921,792	\$3,362,974	\$3,342,901	
86	Reserve - Balance Forward to Next Year	\$2,624,665	\$3,072,432			\$2,529,148	\$2,475,830	\$2,336,984	
			\$1,467,809			\$568,252	\$794,343	\$665,534	Reserve Amount in excess of "50% of Expenditures" guidance

III. D. Request for Financial Assistance for Equipment at the GBSSRL



NEVADA BUREAU OF MINES AND GEOLOGY: UPDATE ON PROJECTS SUPPORTED BY CMR-NDOM



JAMES FAULDS, DIRECTOR AND STATE GEOLOGIST

UNIVERSITY OF NEVADA, RENO

COMMISSION ON MINERAL RESOURCES

FEBRUARY 1, 2023

SUMMARY OF PROJECTS – FY 22 & FY23

- Commission has 2-year contract with NBMG to produce:
 - Mineral Industry Reports
 - Archive well logs and cuttings
 - Conduct special projects
- Major FY22-23 projects:
 - Mineral industry reports and sample curation - \$37,800
 - Sample curation and related activities at GBSSRL - \$21,600
 - Scanning and updating of oil, gas, and geothermal well logs
 - Archiving of oil, gas, and geothermal cuttings
 - Special projects in FY22/23
 - Lithium Report
 - Railroad Valley project
 - Exploration Survey
 - Mining District Files

FY22 Projects	Award	Expenditures	Remaining
MI Reports	\$37,800	\$37,800	0
Sample Curation	\$21,600	\$21,600	0
Lithium Report*	\$37,800	\$10,666	\$27,134
Railroad Valley Report**	\$37,800	\$7,805	\$29,995

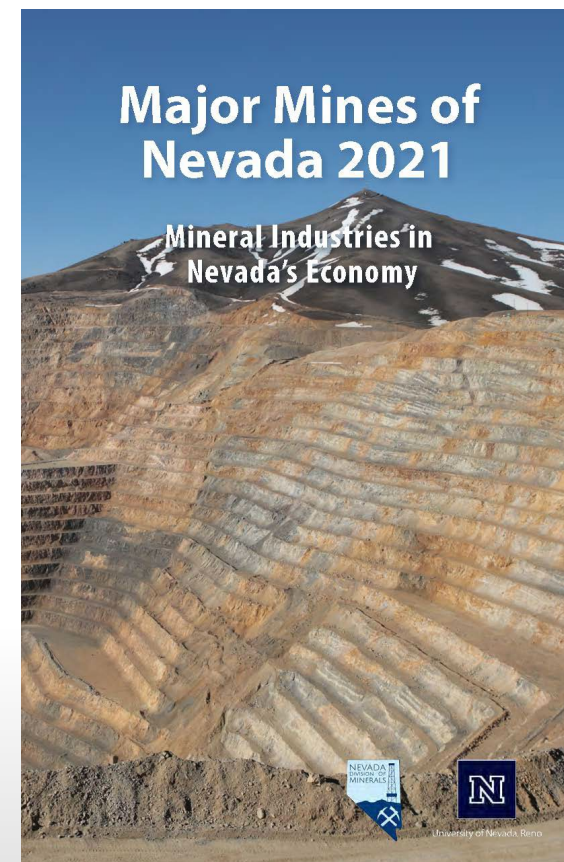
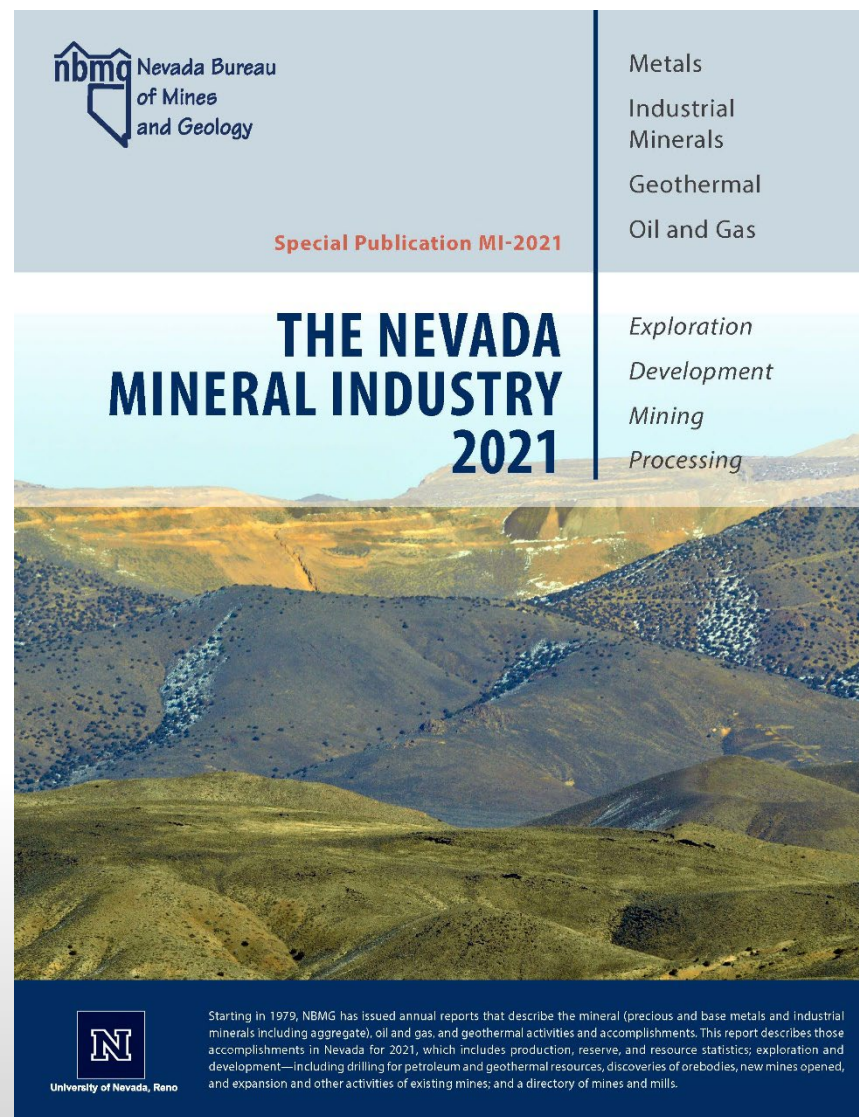
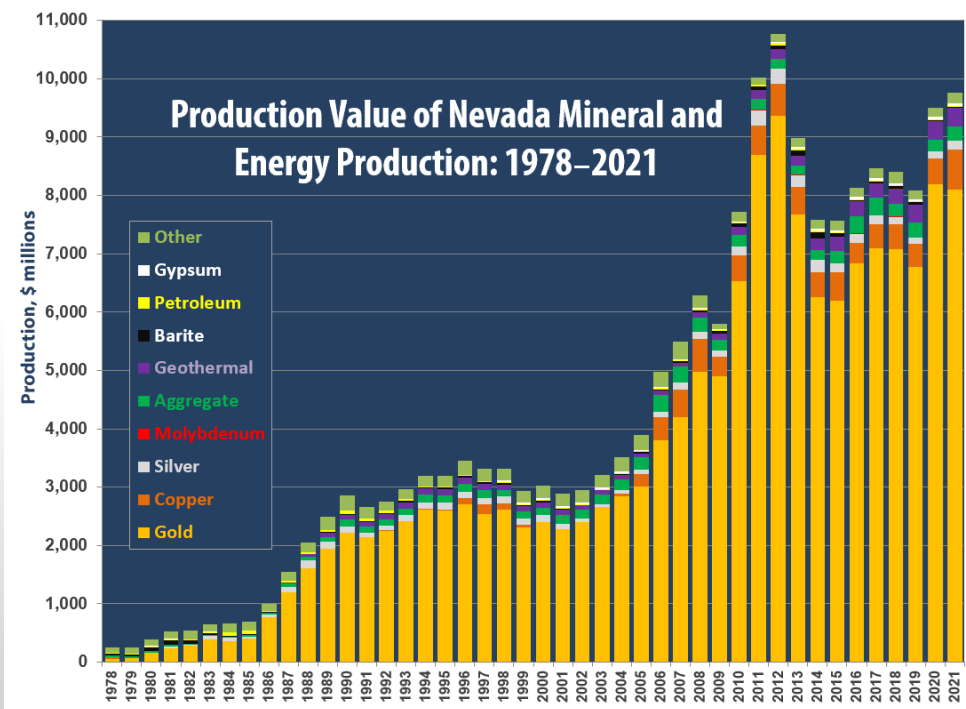
*No-cost extension through June 2023

**Most work scheduled for FY23

FY23 Projects	Award	Expenditures	Remaining
MI Reports	\$37,800	\$37,800	0
Sample Curation	\$21,600	~\$5,000	\$16,600
Exploration Survey	\$37,800	~\$4,502	\$33,298
Mining District Files	\$38,232	\$15,642	\$22,590

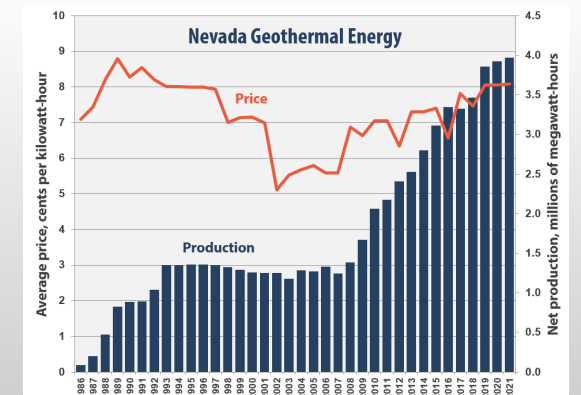
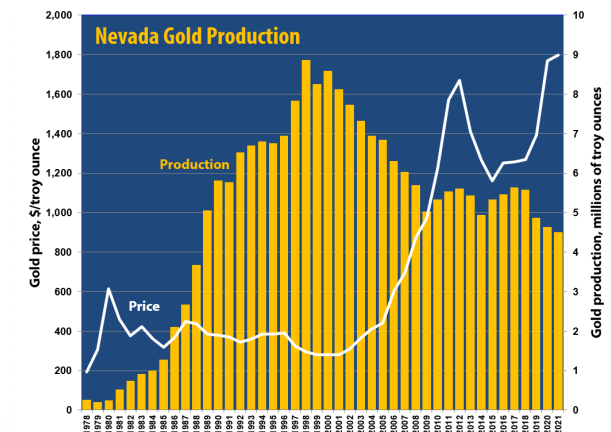
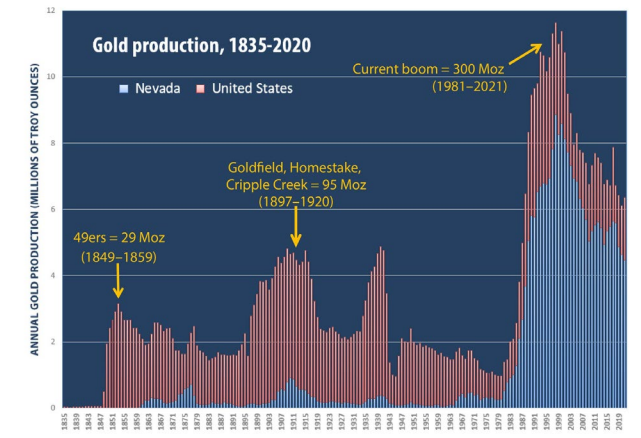
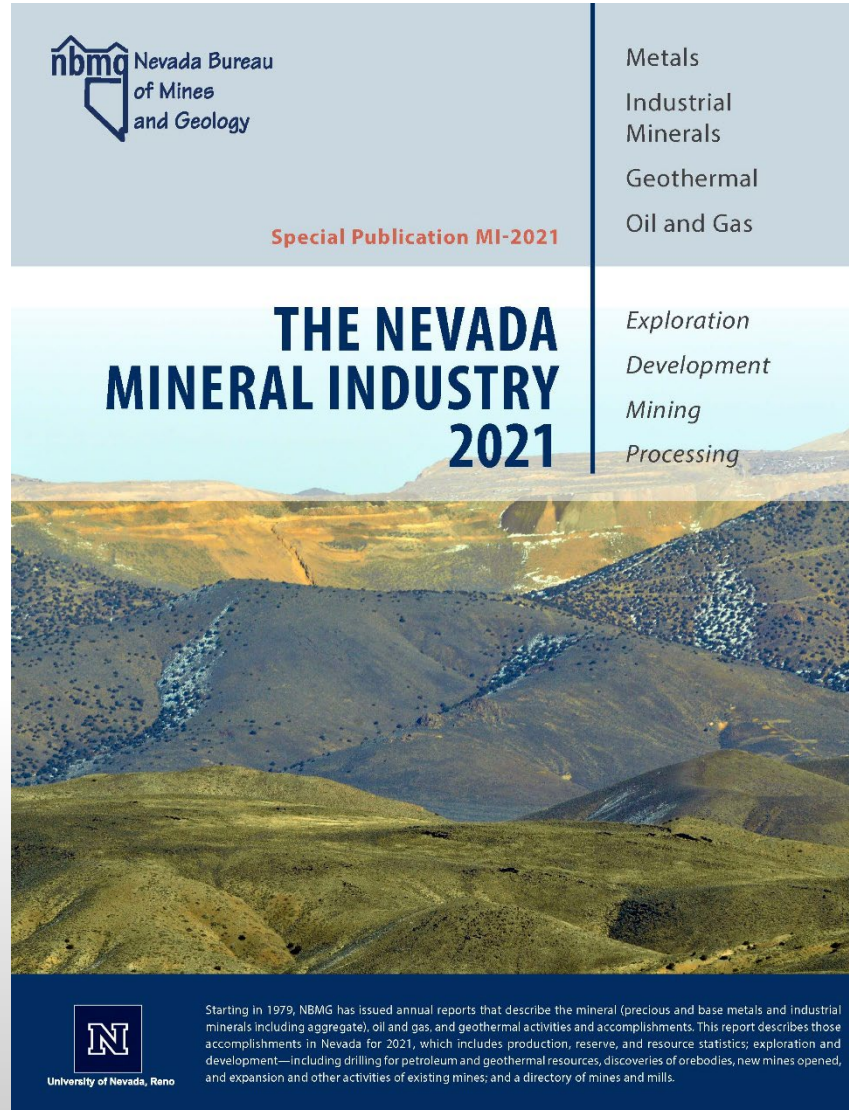
MINERAL INDUSTRY REPORTS

- \$37.8k allocated and expended
- Expended on staff and publications
- Completed and released 2021 Major Mines of Nevada.
- Completed and released 2021 MI report.



MINERAL INDUSTRY REPORT – 2021 HIGHLIGHTS

- Value of mineral and energy production - \$9.35B
- Second in nation in nonfuel production
- Gold – 4.5M ounces down 2.8% from 2020
 - \$8.10B
 - 4.6% of world's gold in 2021
 - Nevada makes U.S. 5th largest producer in world
 - 42 year long gold boom
- Nevada led nation in barite production (\$27.3M)
- Only state producing lithium (\$41.7M)
- Other major producers:
 - Copper - \$687M
 - Aggregate - \$235M
 - Geothermal - \$319M
 - Silver - \$156M
- Diatomite (\$51M) – 1st in nation (36%)
- Geothermal energy – 2nd in nation



SAMPLE CURATION JULY '21 TO JUNE '22 ACTIVITIES

•Staffing

- Manager: Emily O'Dean
- Publication Sales Manager: Charlotte Stock
- Retired Geologic Information Specialist (October '21): David Davis
- New Geologic Information Specialist: Rachel Micander
- New Administrative Assistant (July '22): Gabriela Villar
- 2021-22 Student Workers: Mads Miller, Tim Watts, Katie Nicholes, Michael Knobloch, and Camdyn Newcomb

•Oil and gas

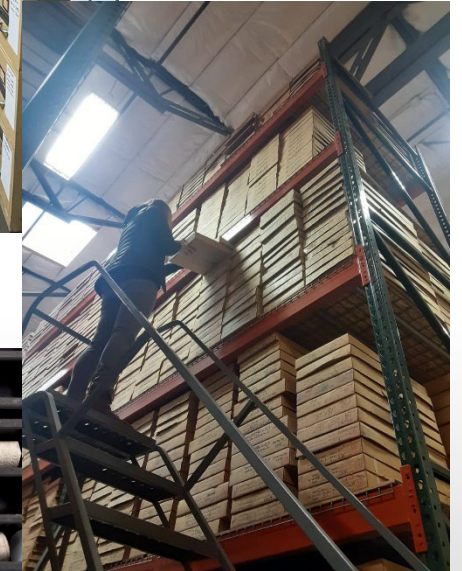
- 1 new permit received and scanned
- 8 boxes of cuttings received

•Geothermal

- 27 new permits received
- 128 boxes of cuttings received
- New geothermal mineralization display in lobby

•Data Donations and Acquisitions

- 53 boxes of miscellaneous data rescued from the State Mine Inspector's office with the help of NDOM
- Various donations received from retired exploration geologists
- 20 boxes of maps and 10 boxes of Nevada records rescued from Gold Royalty Inc.
- All donations now organized into new GBSSRL Accession Management System



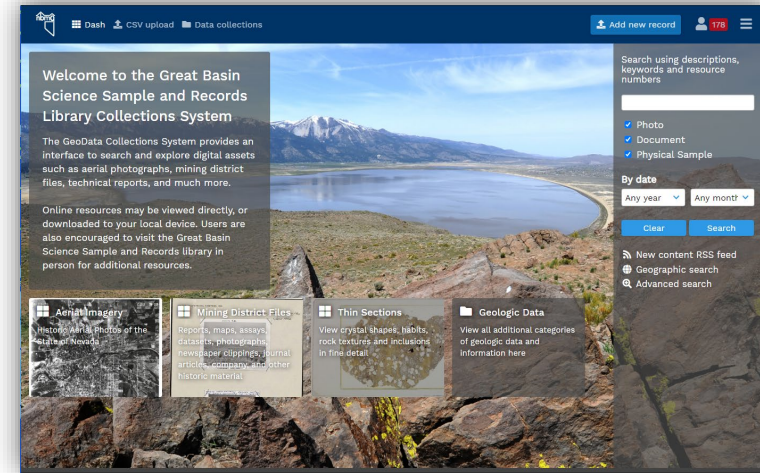
GBSSRL DIGITAL CURATION

•Digitization and database development

- Core inventory and photography project began in 2021
 - 1,200 boxes of core have been inventoried, bar coded, and photographed
 - Tables added to NBMG subsurface relational database
 - Web application to be developed in 2022
 - Pilot core scanning project with TerraCore in 2022
- Ongoing Mining District File digitization
 - 300 new files added to the GBSSRL online collections
 - With collaboration with digital services, ~20,000 files will be added in 2022-23
- Well log digitization
 - 200 temperature and geophysical logs digitized and added to the NBMG databases

•Develop, maintain, and enhance web applications

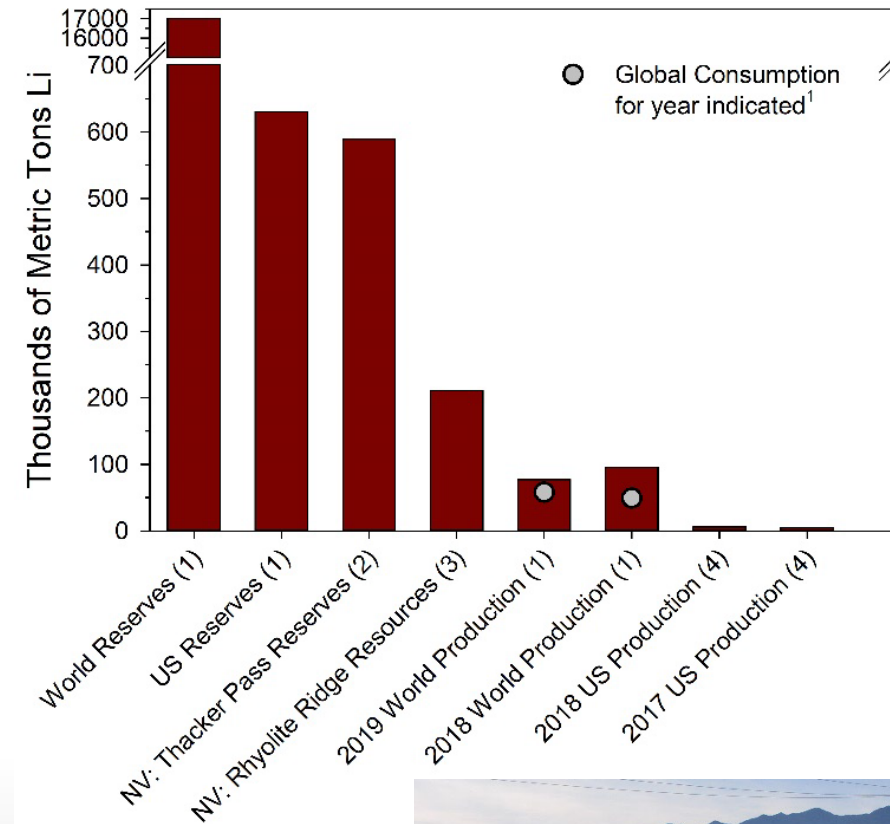
- Updated web applications include:
 - Geothermal clearinghouse updates with newly digitized logs
 - Nevada Mineral Explorer updated with new data from NDOM and NBMG
 - GBSSRL Collections System updated with Mining District Files scanned in 2021
- GIS web services and interactive web maps available for much GBSSRL data – more being added continuously



LITHIUM REPORT PROJECT

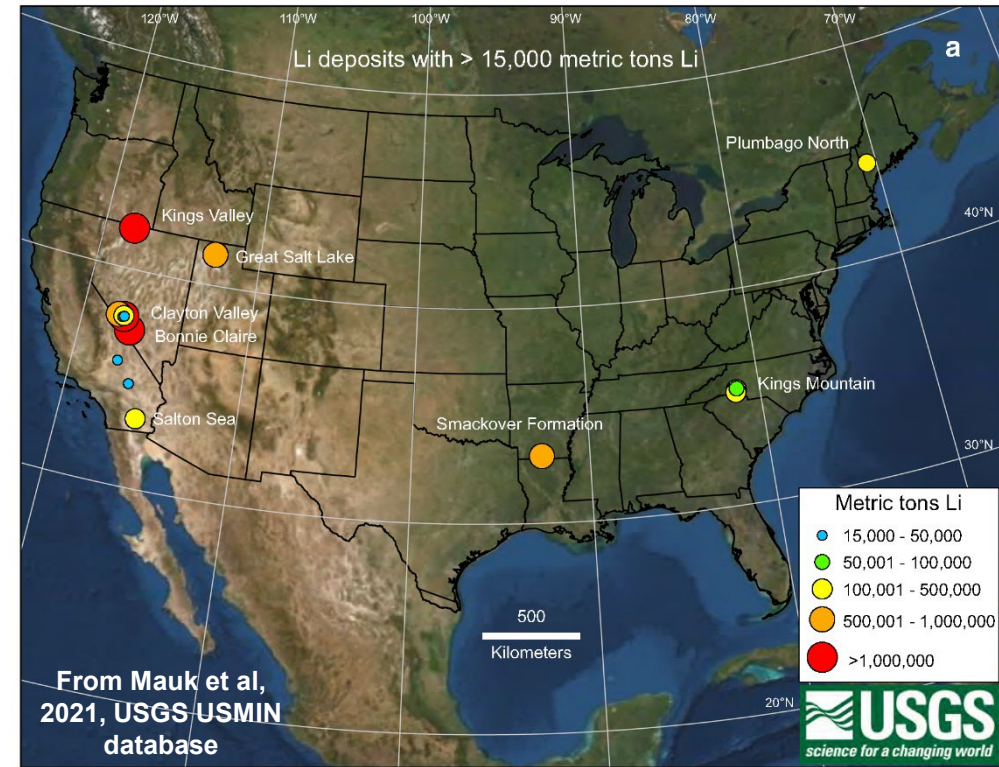
- Lithium one of 35 critical minerals – *non-fuel minerals or mineral material essential to the economic and national security of the U.S.*
 - Rechargeable batteries for electric autos and power storage
 - Aluminum-Lithium alloys for aerospace industry
- U.S. has only a fraction of Li global reserves
- Global production has increased 142% since 2014
- Nevada plays critical role
 - Two deposits could double U.S. reserves
 - Only U.S. production from Clayton Valley Li brine operation (Albemarle)
 - ~5,000 metric tons annual production from Clayton Valley
 - Tesla factory uses 24,500 metric tons annually
 - U.S. relies heavily on imports

Global and US Lithium:
Reserves & Resources, Production & Consumption



LITHIUM REPORT PROJECT

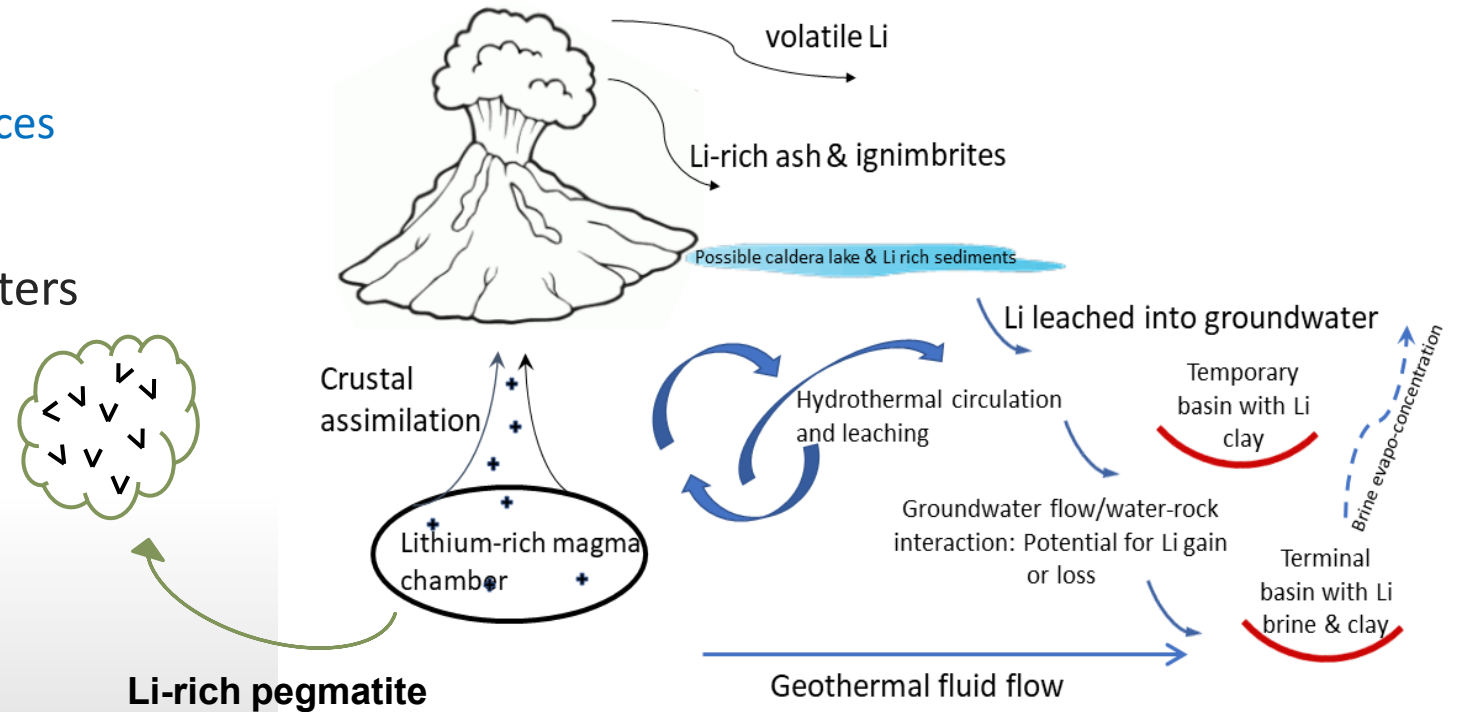
- **Proposal** – In response to growing interest, USGS and NBMG will produce Lithium in Nevada General Interest Report – Led by Lisa Stillings of the USGS
- **Objectives:**
 - Describe global geochemical cycle of Li and its geological occurrences in Nevada and the Great Basin.
 - Describe geological models for processes of lithium deposition
 - Describe types of mineral resources that host Li globally, with a focus on deposits found in NV and the Great Basin (i.e., Li brines and clays).
 - Compare and contrast characteristics of Nevada Li resources to others in the U.S. and globally
 - Nevada-centric scientific understanding of Li mineral resources
 - Engage general-science reader by offering interesting photos, graphics, field trip suggestions
- **Report information sourced from:**
 - NBMG MI Reports
 - NDOM and NBMG open data websites
 - USGS databases and reports
 - Industry Technical Reports (e.g. N143-101)
 - Published literature
- **Budget (\$37,800):**
 - NBMG staff assisting in data organization
 - NBMG cartography for digitizing datasets and preparation of figures, maps, and report



LITHIUM REPORT – ORGANIZING STRUCTURE

- Conceptual model of lithium geochemical cycle with focus on Nevada resources
- Nevada resources:
 - Clays and evaporites in sedimentary sequences
 - Basin brines
- Li in volcanic materials and geothermal waters are source of Nevada's lithium deposits

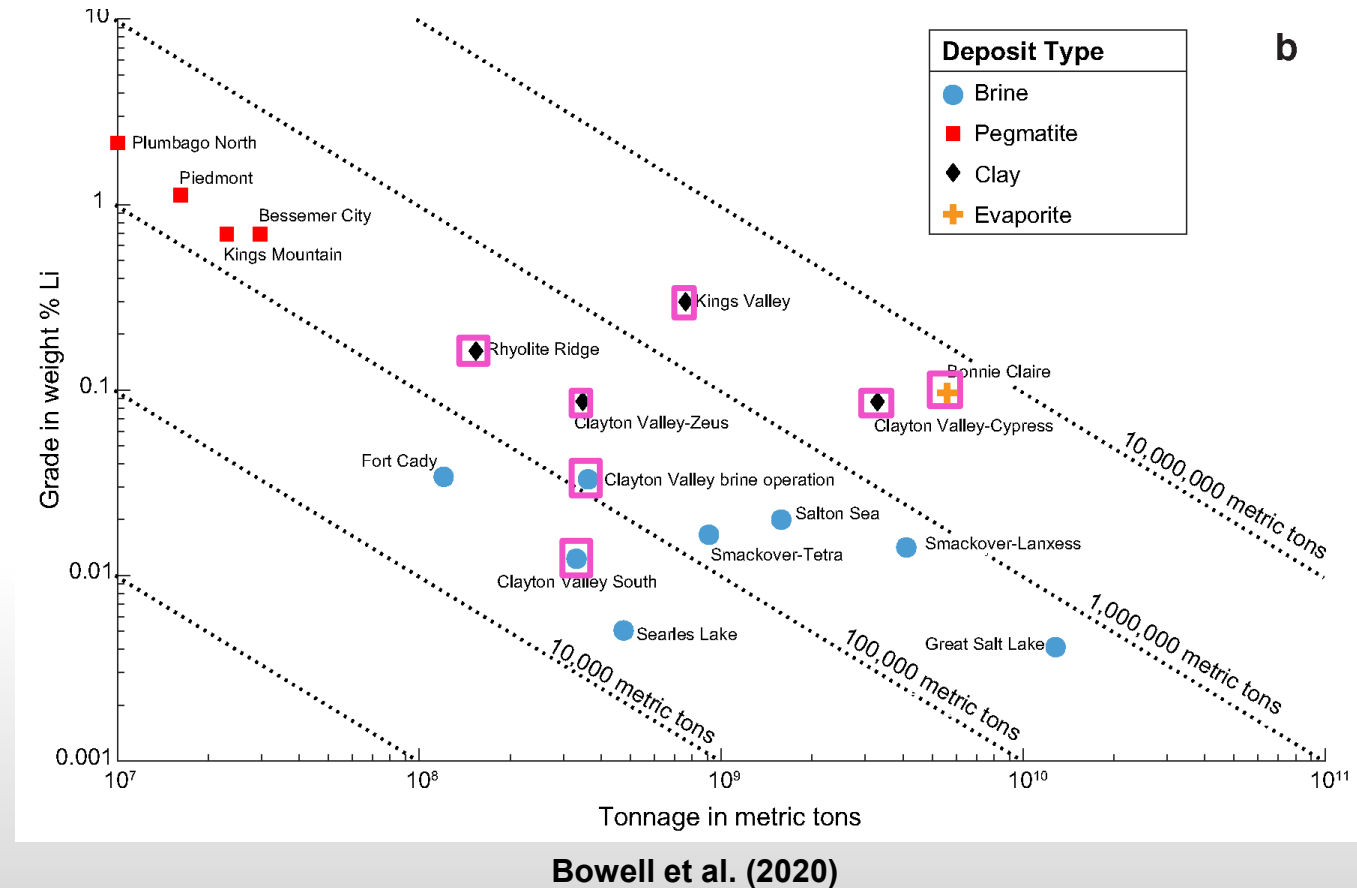
Li Deposit Pathways



LITHIUM REPORT – PROGRESS TO DATE (OUTLINE)

- I. General intro, Li as a critical mineral and economic uses
- II. Geochemical cycle of Li—source of Li to the crust, where found at the Earth's surface., Li mobility in groundwater
- III. Li in NV and Great Basin
 - A. Volcanic rocks
 - B. Stream sediments? (using the new NURE-HSSR data)
 - C. Soils
 - D. groundwater
 - E. geothermal water
 - F. Importance of structural setting
- IV. Li resources in Nevada & Great Basin
 - A. Clayton Valley
 - B. Clay resources – McDermitt, Rhyolite Ridge, Clayton Valley
 - C. other (Bonnie Claire evaporites)
- V. Comparison of Li resources in NV to other resources, globally

Currently working to update Li resource estimates for NV deposits in relation to other US deposits:



Travel in May 2022 to Clayton Valley, Rhyolite Ridge, and Tonopah for drone photography



Li clay, Esmeralda Formation, Clayton Valley



Li clay-Searlesite (boron) layer, Cave Spring Formation, Rhyolite Ridge

RAILROAD VALLEY PROJECT

- Geologic map and cross sections compiled by **Don French and Jerry Walker**
- Represents decades of work
- Layers included in map:
 - [Geology at 1:63,360 scale](#)
 - [Gravity data](#)
 - [Oil and gas wells](#)
 - [Few seismic reflection profiles](#)
 - [Soil-gas surveys](#)
 - [Interpretation of geology at ~25 Ma](#)
 - [Isopach map of Neogene basalt](#)
- Database of 300 wells
 - [Location](#)
 - [Formation tops](#)
 - [Formation-test data](#)
 - [Select well log data](#)
 - [Source-rock analyses](#)
 - [Core descriptions](#)
 - [Paleontology reports](#)
 - [Monthly production reports](#)
- Supplemented by strat column, well log evaluations of reservoir quality, and graphs showing geothermal regime
- Most comprehensive subsurface datasets for any basin in Nevada
- Detailed update provided 01/23; now working with NBMG cartography group to provide maps and other features to generate GIS database



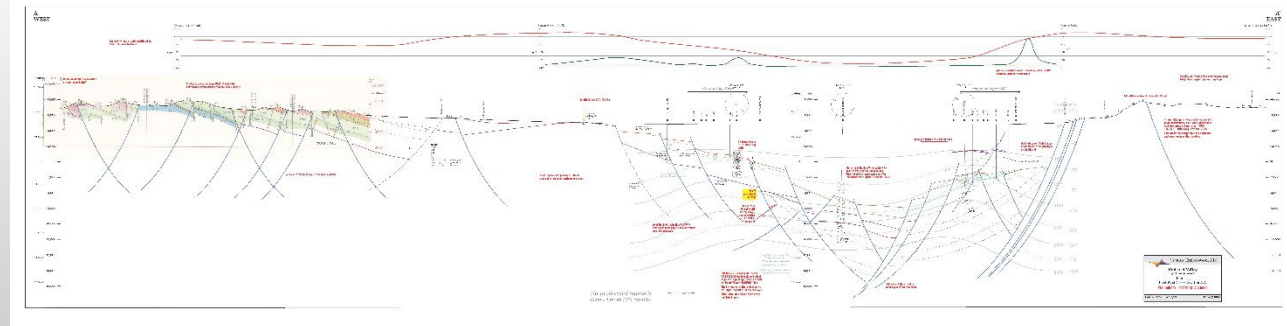
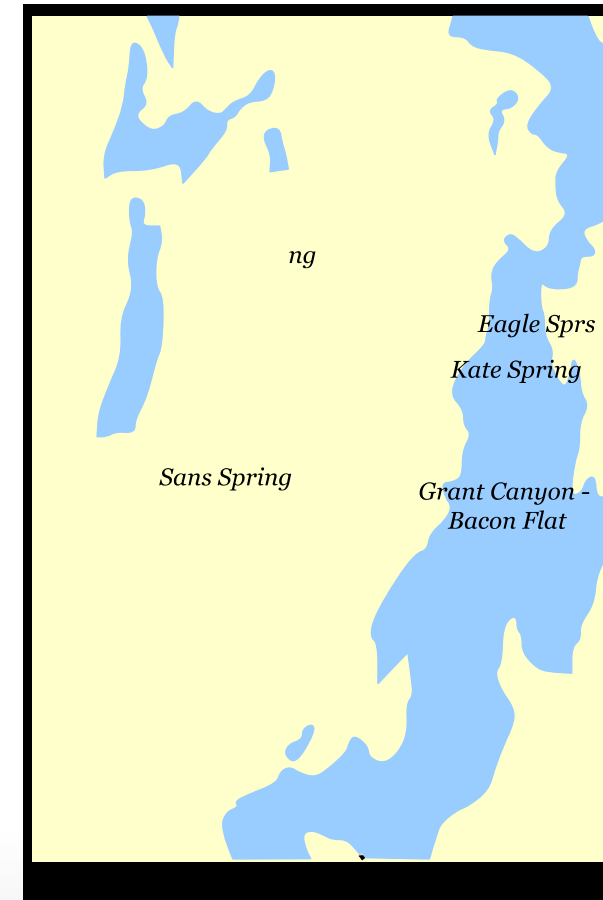
RAILROAD VALLEY PROJECT

- **Major Objective:** Publish geologic map, select cross sections, and report
- **Benefits:**
 - Oil and gas exploration in Great Basin region aided by documentation of an analogue for areas with less data.
 - Extensive subsurface dataset will improve basic geologic understanding of similar basins in region.
 - Map and report will provide basis for assessing the potential of analogous areas in Nevada when land-use policy is under consideration.
 - Archival function for some data that would otherwise be lost.
- **Budget (\$37,800):**
 - NBMG staff assisting in data organization
 - NBMG cartography for digitizing datasets and preparation of figures, maps, cross sections, and report
 - Small amount of compensation for Don French and Jerry Walker



RAILROAD VALLEY PROJECT – PROGRESS TO DATE

- Initial work on main E-W cross section – one of most labor intensive parts of project
- Compilation of temperature logs to establish thermal regime of basin
 - 77 wells with drill-stem tests
 - 58 wells with wireline logs
 - Preliminary plots prepared
- Compilation of age dates nearly complete
- Search for available datasets
 - Seismic lines – some located but may be proprietary
 - Best gravity data – regional USGS
 - Soil-gas data – agreement reached
- Geologic maps from area will be modified to for this project (e.g., USGS map of Grant Range to east)



EXPLORATION SURVEY (IN PROGRESS)

NEVADA BUREAU OF MINES AND GEOLOGY



MICHAEL W. RESSEL AND DAVID A. DAVIS

RELEASED FEBRUARY 2017



Nevada Commission on Mineral Resources
Division of Minerals



NEVADA BUREAU OF MINES AND GEOLOGY



MICHAEL W. RESSEL

RELEASED APRIL 2019



MINING DISTRICT FILES PROJECT: DIGITIZING FOR UNIVERSAL ACCESS

- Each year, NBMG receives donations of maps, reports, articles, photographs, assays, productions reports, and information of all aspects of mining in Nevada.
- GBSSRL accessions into its Mining District Files of Nevada Collection.
- Digitally preserves these documents:
 - Reading and evaluating each document
 - Creating searchable standardized digital metadata
 - Scanning the materials
 - Making each digital object accessible
 - Making the data available on internet via web applications.
 - Documents commonly accessed by industry professionals, researchers, and members of the public.
- Backlog of ~300 boxes of donated files not digitized.
- Utilizing the Digital Services unit of UNR at Knowledge Center to scan documents.
- Students and staff at the GBSSRL accessioning, prioritizing, enter metadata, making documents accessible, and updating web applications.
- Hiring soft-funded Letter of Appointment in FY23 to assist with various data preservation activities.
- Anticipate digitizing >100,000 pages.
- August 1, 2023 to June 30, 2024. \$38,232

MINING DISTRICT FILES PROJECT: DIGITIZING FOR UNIVERSAL ACCESS

- Progress to date:

- 13 boxes (roughly banker-sized) were delivered to the Knowledge Center (KC) for scanning in late October.
- The KC has hired two students to work on this project who will work ~15 hours a week each, totaling 30 hours/week.
- The KC has estimated they can scan 3 boxes per week, but first round has been slower due to training students.
- A file share has been set up for completed scanned documents.
- Anticipate prioritizing documents rescued from the State Mine Inspector for next round of scanning.



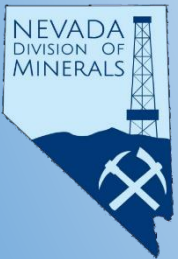
IV. OLD BUSINESS

IV. A. Update on McCaw School of Mines and Exhibit

McCaw School of Mines

Projector System Update

**Commission on Mineral
Resources Meeting**
February 1st, 2023



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



Overview

1. May 2022 CMR Proposal
2. Video Production/Donation
3. Location and Design
4. Equipment List
5. Questions

1. McCaw School of Mines – May 2022 Proposal

- McCaw School of Mines Foundation requested \$15,000 in hardware and \$35,000 - \$60,000 for production services to create a video-projection based modern mining exhibit during the May 2022 CMR meeting.
- CMR approved up to \$15,000 for hardware contingent upon receiving outside funding for video production services by December 2022.



May 5, 2022

Nevada Commission on Mineral Resources
Attn: Chairperson Josh Nordquist
400 W. King St., Suite 106,
Carson City, Nev. 89703

To the Nevada Commission on Mineral Resources,

The McCaw School of Mines Foundation respectfully requests the Nevada Commission on Mineral Resources' approval to allocate funding for the creation of a modern mining multi-media projection exhibit. Educating the public on the diversity of career paths, including technical trades and college degrees, the safety methods used to protect miners, and the environmentally considerate yet effective processes are some of our goals of this exhibit.



- Audio support system
- Support hardware systems
- 3-D video footage with accompanying audio tracks
- Red/Blue 3-D participant glasses (reusable)

The initial video content would showcase on-site modern mining techniques in the areas of drilling, blasting, mucking, ground support, milling/processing and reclamation.

The location for the first multi-media projection unit would be in one of our existing rooms inside our simulated underground mine as shown below. These walls can accommodate a video screen of up to 9 feet.



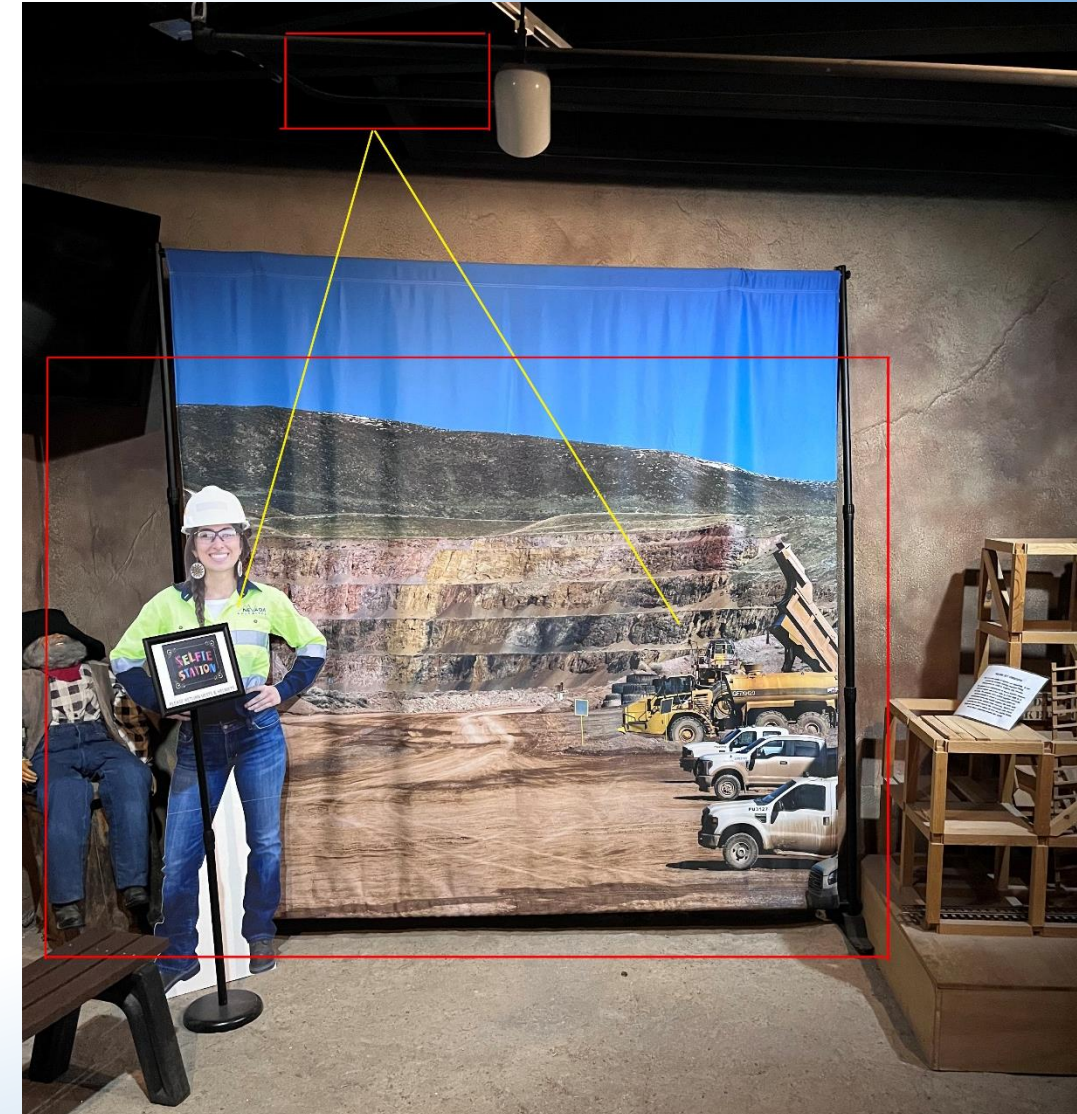
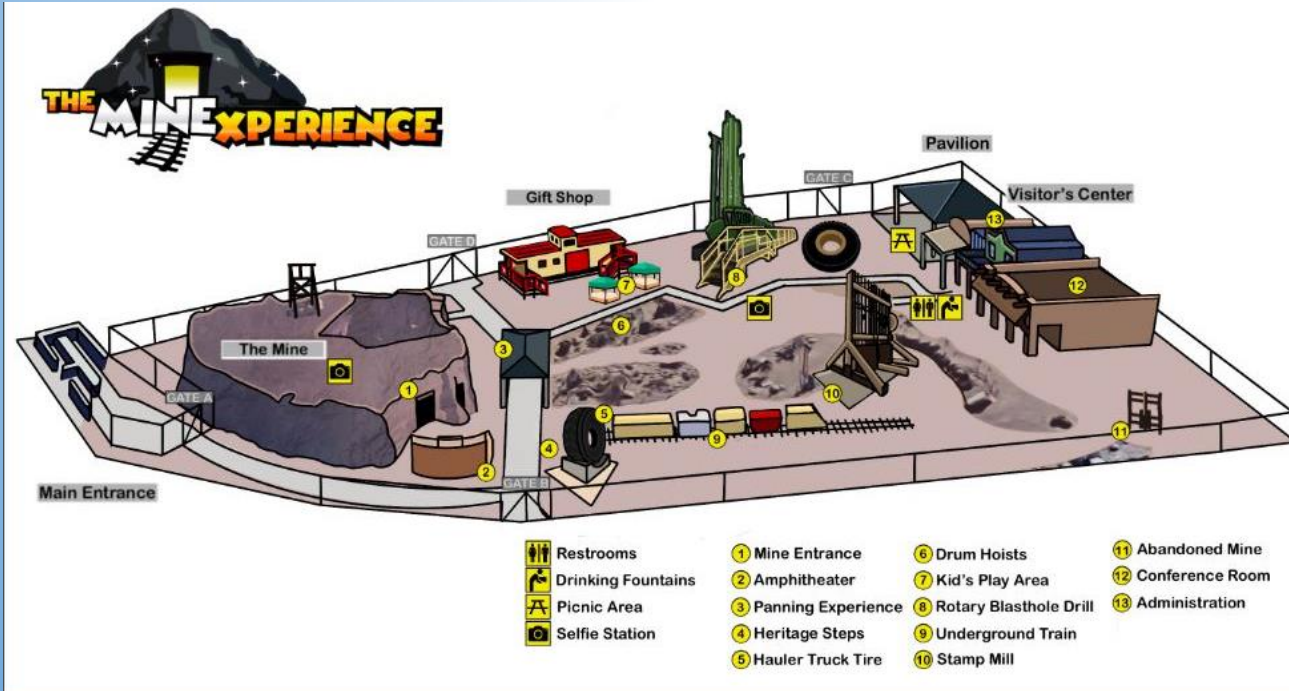
2. Video Production / Donations

- McCaw reached out to Nevada Gold Mines, Coeur Rochester and Kinross Gold Corp. to request high-resolution video footage to be used for a life-size video exhibit at the Mine.
 - All three companies expressed interest in the project. NGM and Kinross forwarded contact information to their respective video production contractors.
 - Kinross did have recent footage, but not recorded at a resolution higher than 1080p.
 - NGM had recent footage shot at 4k resolution and shared ~11 minutes of edited video.
- Currently working on editing the supplied footage into one 3-5 minute video to be used in the Mine.
 - Concurrently developing a voiceover script to be used in the final cut of the first video for display.
- McCaw has secured the necessary video content to display a life-sized video of modern mining showing entry, drilling, blasting (prep), mucking, ground support, milling and pouring Dore.



3. Location and Design of Exhibit

- Several locations are suitable for the exhibit, each meets the necessary requirements (ceiling mounting, space, ceiling power, etc.)
- Board of Directors meeting on 1/27/2023 to discuss location and allocation of Foundation funds for installation.



4. Equipment List

• BenQ LU935ST Short-Throw Laser DLP Projector.....	\$3,999.00
• Yamaha 5.1-Channel Home Theater System.....	\$669.95
• BrightSign HD Video Player.....	\$510.00
Museum quality video player for push-button content	
• Museum Tech 4-Button Interface.....	\$265.00
• Elite Screens MaxWhite 135“ 4K Projector Screen.....	\$217.00
• Museum Tech Illuminated Pushbutton (\$31 ea. x 4).....	\$124.00
• HDMI Cables (\$35 ea. x 2).....	\$70.00
• Sandisk 256GB MicroSDXC Memory Card.....	\$36.99
Total.....	\$5,763.93

*note: several items listed as “sale” price as of 1/14/2023

Questions

IV. B. “Stay Out, Stay Alive” Digital Marketing Campaign Update

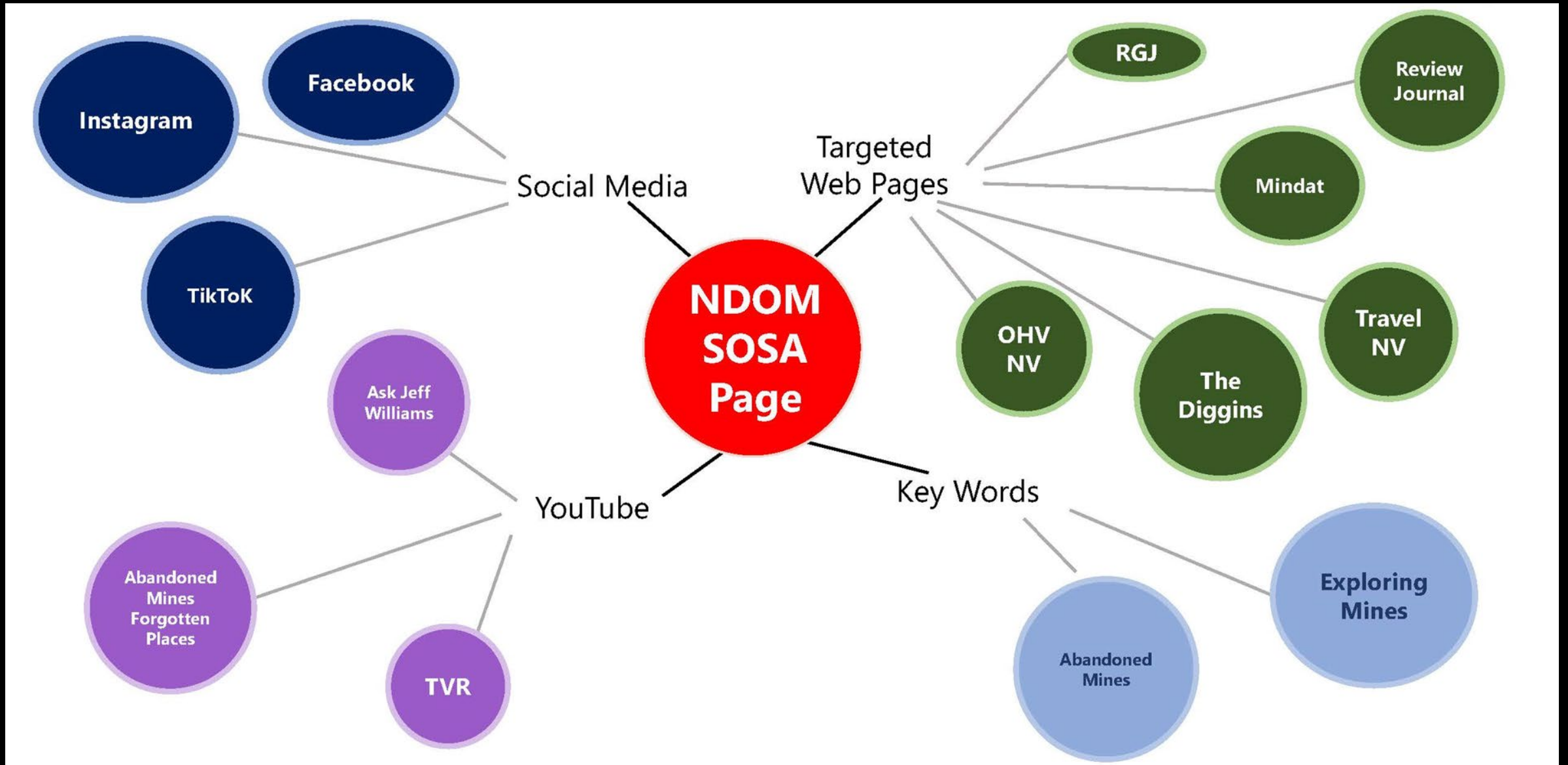
**STAY OUT STAY
ALIVE
DIGITAL
MARKETTING
CAMPAIGN
UPDATE**

**COMMISSION ON
MINERAL
RESOURCES**

FEBRUARY 1, 2023



CAMPAIGN OUTLINE





YOUTUBE

**310,000+ Video Views
Generated Total**

**King of Bad Ideas Full Video (1:09) –
24,000 Views**

The Hitchhiker (0:16) – 97,000 Views

Electric Fence (0:16) – 86,000 Views

Bridge Out (0:16) – 104,000 Views

1,772,414 Impression Served on YOUTUBE

The background image shows a person in an orange jumpsuit standing next to a white pickup truck on a gravel road. In the foreground, there is a large sign that reads 'HITCHHIKING PROHIBITED'. The background features a desert landscape with mountains in the distance.

TARGETED WEB PAGES

**1,975,400 Video Views
Generated Total**

10,000 New Users to NDOM Webpages

1,600,000 Viewed to Completion

4,200,000 Impression Served

The background image shows a person in an orange jumpsuit standing next to a white pickup truck on a gravel road. In the foreground, there is a large sign that reads "HITCHHIKING PROHIBITED". The background features a desert landscape with mountains in the distance.

Social Media

25,000% Increase in Page Visitations

NDOM Content reached 1500 User

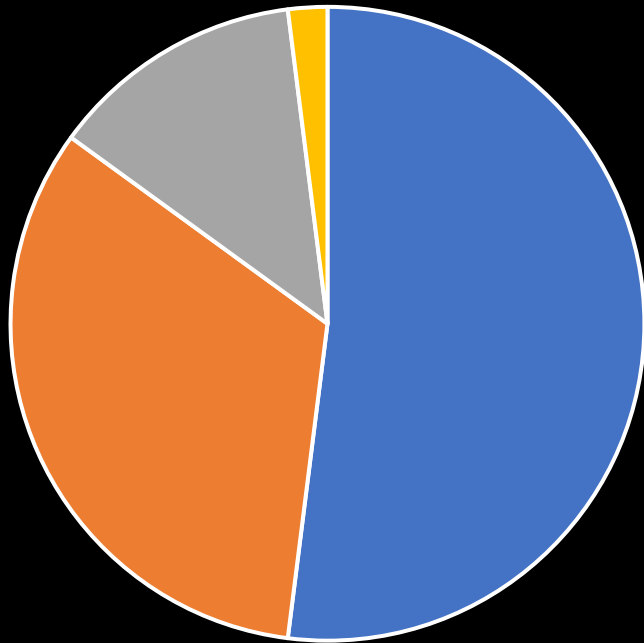
Content Reposted by state (other states) and federal AML programs

AVG of 5 new follows daily

Demographics and Geographics

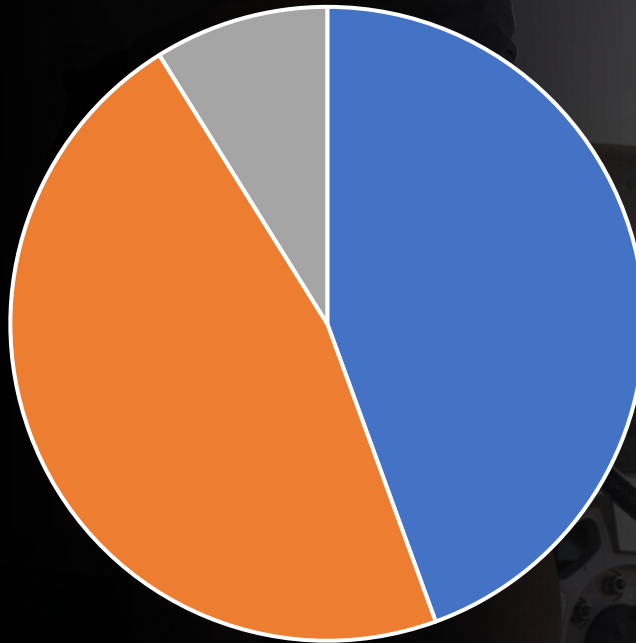
2.3 Million Views TOTAL

Interactions by Device



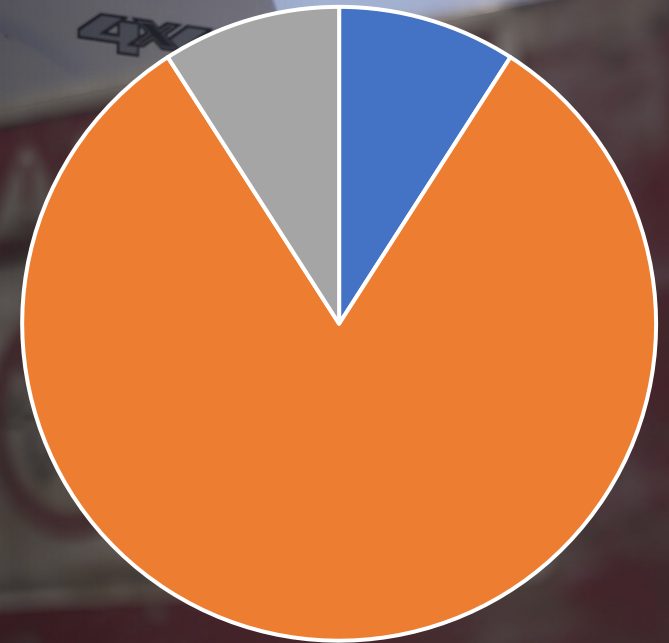
■ Mobile ■ Computers ■ Tablets ■ TV Screens

Interactions by Age



■ 18 - 24 ■ 25 - 34 ■ 34 - 44

Locations



■ NV ■ CA ■ UT

JIMMYKING.NET

Recommendations

Continue Current Engagement

Annual Digital Campaign

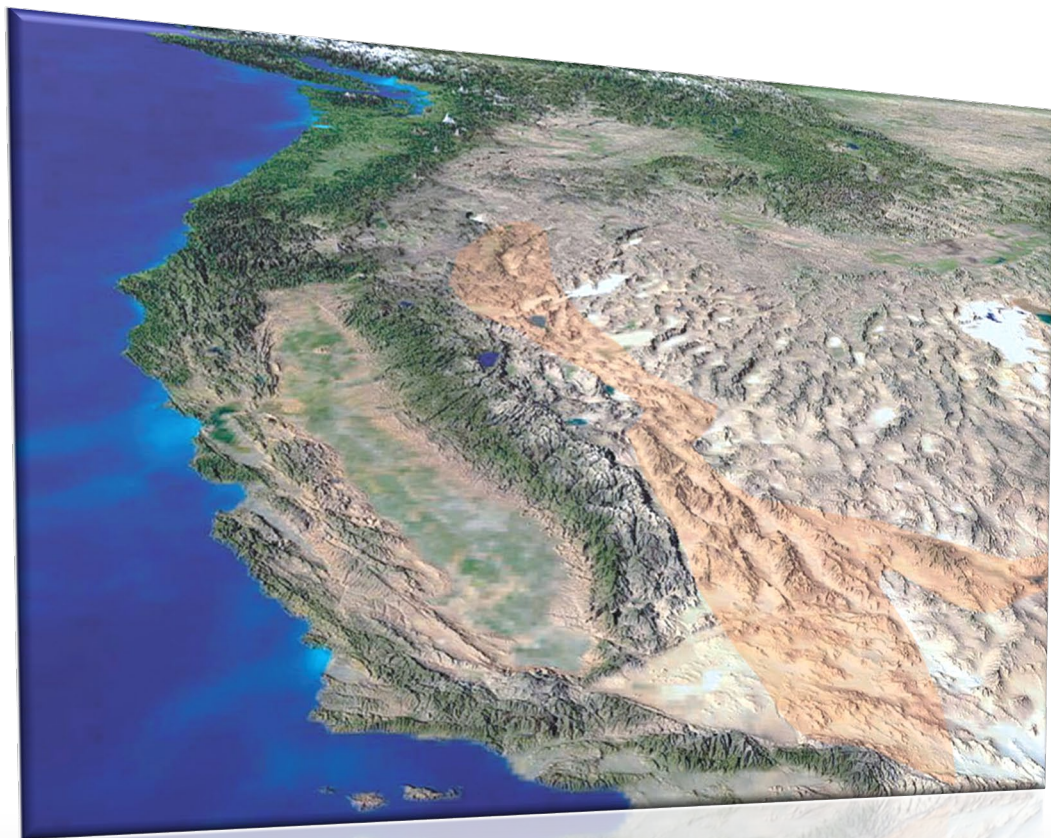
Long-term Content Development



IV. C. Update on Federal Funding **for AML**

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IV. D. Review and Status of CMR- Approved NBMG Projects



REQUEST FOR MATCHING FUNDS FOR GBSSRL EQUIPMENT ON NGGDPP GRANT

JAMES FAULDS, DIRECTOR AND STATE GEOLOGIST

UNIVERSITY OF NEVADA, RENO

COMMISSION ON MINERAL RESOURCES

FEBRUARY 1, 2023

NGGDPP GRANT – REQUEST FOR MATCHING FUNDS

- National Geological and Geophysical Data Preservation Program administered by the USGS
- Purpose of NGGDPP
 - [Data preservation](#)
 - [Data digitizing](#)
 - [Data rescue](#)
 - [Data organization and dissemination](#)
- Requires 1:1 match
- Funding in recent years has increased significantly with major enhancement through FY25 thanks to Bipartisan Infrastructure Law:
 - \$8.7M in FY22 and \$5M/year to FY25 compared to \$1.3M base funding
- Grants to state surveys have grown from ~\$30k per year to \$100-\$300+k
- Equipment purchases now permitted
- Match requirement difficult for small to moderate sized state geological surveys, such as NBMG
- NBMG 2023 Proposal: \$260,661 requested from USGS
- Lacking match for equipment part of request
- Equipment request focused on enhancing GBSSRL and expanding storage capacity in Stead:
 - [Stereo microscope with computer and LCD display](#) to facilitate education and analyses of rock samples, cuttings, and core; [\\$6,300](#)
 - [Handheld Laser Induced Breakdown Spectroscopy Analyzer \(LIBS\)](#) for analysis of critical mineral elements, including lithium, in core, cuttings, and rock samples; [\\$41,375](#)
 - [Storage containers and construction](#) at Stead to house core, cuttings, and documents that cannot be stored at GBSSRL, which is near capacity; [\\$102,804](#)
 - [Digital storage and infrastructure](#) (dedicated network attached storage): Server to house tens of terabytes of data; [\\$7,516](#)
 - [Total = \\$157,995](#)
- Lacking [\\$61,679](#) in match

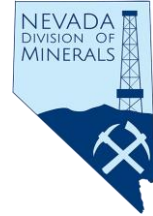
V. COMMISSION BUSINESS

V. A. Review of Staff Monthly Activity Reports

V. A.1 November 2022 Monthly **Activity Reports**



STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS
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STEVE SISOLAK
Governor

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MICHAEL VISHER
Administrator

MONTHLY ACTIVITY REPORTS

November 2022

Administrator (Mike Visher):

1. Met with staff from Representative Lee's office regarding agency programs and overlap within her district, and a provided information regarding REE projects and occurrences in southern Nevada.
2. Completed review of LV Field Specialist applications and began interview process for four finalists.
3. Worked with Rob and Valerie to complete responses to questions from GFO and LCB regarding the agency's budget submission.
4. Held a meeting with the new Water Pollution Control Bureau chief, Andrew Dixon, to review agency collaboration processes and existing MOU.
5. Created a transition memo to be provided by the Governor's office to incoming Governor Lombardo's transition team summarizing agency responsibilities, activities, and topics of concern.
6. Provided feedback on several Western Governors Association resolutions and accepted a request to attend their Heat Beneath Our Feet geothermal workshop in Cedar City in December.
7. Coordinated with Governor's office on the state's response to five resolutions considered at the IMCC business meeting.
8. Provided an interview to Global Business Reports for their 2023 Nevada Mining publication.
9. Meetings attended: CMR meeting, NREL Geothermal Regulatory Stakeholder Working Group, AAPG orphan well webinar, Penn State Methane Emissions webinar, NBMG Advisory Board, Mining into The Future Conference (NvMA/Exxon Mobile), Reconnect Ontario Canada trade meeting, NAMLET, Interstate Mining Compact Commission annual conference (virtually), Governor's Cabinet, NvMA Public Policy, PDAC planning, and BLM Fluid Minerals.

Deputy Administrator (Rob Ghiglieri):

1. Bond pool activity in November consisted of two notice-level releases and one new bond.
2. Attended the Interstate Mining Compact Commission (IMCC) Mid-Year Meeting in New Orleans, LA. Discussions were held on mining law reform, coal and hardrock AML, and mine permitting.
3. Attended and presented at the quarterly Commission on Mineral Resource meeting in Las Vegas and provide updates on mining law reform, related federal bills introduced, the new federal Hardrock AML Program, potential impacts to Nevada's programs and ongoing contracts at the Division.
4. Reviewed and submitted responses back to the Governor's Finance Office and Legislative Counsel Bureau on NDOM's FY24-25 budget.
5. Held the annual Nevada Abandoned Mine Lands Environmental Team (NAMLET) meeting in Reno with representatives from: NDOM, NDEP, NDOW, State Parks, BLM, USFS, NPS, BOR, and the California AML program.
6. Attended and provided input on a meeting with the USGS and BLM to review and discuss new federal Hardrock AML Program database design.

7. Sent out another round of letters for NRS 519A.250; mine operator's requirement to pay fees to the Nevada Division of Minerals after approval of a Plan (or Amended Plan) of Operation. In total, \$11,800 of invoices were sent to 11 companies.
8. Closed the RFP to identify a vendor to perform wildlife survey work at AML hazards designated for closure. Evaluations are being completed with a potential contract award date in January.
9. End-of-November financial summary of bond pool:

Reclamation Bond Pool Status Report		Current to:	12/6/2022					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	8.36%		\$84,036.27	\$17,547.79	62.3%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.75%		\$7,328.32	\$19,078.63	180.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.42%		\$33,715.62	\$173,042.59	310.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	22.04%		\$233,171.91	\$301,787.80	124.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.35%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.15%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.01%		\$39,615.03	\$52,492.92	117.8%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	22.51%		\$238,536.99	\$213,881.21	103.0%
Statewide Notice-Level	Various	various	\$612,937.00	31.41%	47 Notice-level bonds			
Total Bond Amount			\$1,951,131.39					
Cash in Pool's Account (From BSR - 11/30/2022)			\$3,040,162.59					
Unfunded Amount			-\$1,089,031.20					
Percent funded			155.8%					

Chief, Abandoned Mine Lands Program (Sean Derby):

1. EPS conducted a hard closure project near Battle Mountain at the historic Buckingham Mine site and completed 32 of 38 securings. Inclement weather conditions postponed remaining project work until spring.
2. EPS continues to work on the Pine Nuts hard closure project involving 68 sites in Carson City, Douglas, and Lyon counties.
3. EPS began the seasonal southern Nevada revisit program in Nye County.
4. The AML Geological contractor, Bob Thomas, submitted a final geological site characterization report of the historic Buckingham Mine site in Lander County.
5. AML staff worked with Motus media to launch the AML digital marketing campaign including software implementation and web design.
6. AML staff developed content and promotional materials in support of the "Stay Out, Stay Alive" digital marketing campaign.
7. AML staff worked with Nye County staff to produce final closure recommendations for the Johnnie Mine.
8. AML staff received a categorical exclusion requested for five hazard sites at the historic Twin Buttes Mine site in Pershing County.
9. AML staff continues to receive feedback and give recommendations for claimants with outstanding unsecured hazards statewide. Cooperation with claimants has included the identification of new hazards in Pershing County.
10. AML provided database support to NDOW biologists as well as access and technical assistance for NDOM's SOSA database.
11. End-of-November AML program statistics:

	Sites Inventoried	Sites Secured	% Secured
Since 1987	24,572	20,268	82%
2022 To Date	556	777	140%

GIS/ Field Specialist (Lucia Patterson):

1. Updated open data sites relating to geothermal, DMRE, mining claims, and lithium brine claims.
2. Finished editing the EPS field data from the Gillis area.
3. Created the Jimmy King Open data site, and experience both which wouldn't work with the Motus tracking pixel.
4. Prepared data for the Arizona AML computer learning project.
5. Started on some Udemy training courses on JavaScript for API.
6. Fulfilled a request for Humboldt County mining data using the Annual Status and Production database.
7. Finished the update for the ArcPro AML bundle check-in script.

8. Updated the existing CRAC form auto population script compiled last year for ArcMap to ArcPro format.
9. Updated our forms and database for drop down options requested by EPS.
10. Wrote a how-to document for Field Maps data check-out and check-in processes.
11. Walked Dustin and Garrett through data prep for Field Maps.
12. Provided Dustin with a tutorial on processing OGG inspection data in ArcPro and how to import the data into the databases.
13. Rewrote the AML topo-quad ranking and percent importance script using some new data, methodologies, and parameters.
14. Trained EPS on editing data using ArcGIS online.

AML/Fluid Minerals Field Specialist (Dustin Holcomb):

1. Responded to calls and emails from claim owners regarding securing hazards; entered data into SOSA database and began compiling and tracking responses per mailout.
2. Performed geothermal well inspections at Ormat's Tuscarora geothermal field in Elko County.
3. Visited the Great Basin Operating NDV 1-27 oil well, north of Diamond Valley, Elko County.
4. Attended the NAMLET meeting at the BLM offices in Reno
5. Begin studying for the FAA Remote Drone Pilot certification test.
6. Work with the Lucia to learn how to perform QA/QC on new OGG field inspection reports and AML data collection from the field.
7. Inventory and rename pictures of the last two months' worth of geothermal well inspections.
8. Attend the NVMA Mineral Education Workshop planning meeting.
9. Statistically analyze the performance of the bi-annual mailout and present results to the Commission at their quarterly meeting in Las Vegas.

AML/Public Outreach – Southern Nevada Programs Manager (Garrett Wake):

1. Conducted one mining history, current production, mineral use and AML presentation by Zoom to a College of Southern Nevada class; 10 students and teachers in attendance.
2. Facilitated a live synchronous session for the Mining for a Steam Education: All About Mining (AAM) asynchronous virtual course. 30 Nevada teachers interacted with two mining industry experts to learn more about permitting, reclamation, and other aspects of the mine-life cycle. Graded the AAM course and submitted PDE credit for 29 teachers who successfully completed the course requirements.
3. Met with EPS and bat biologist Rick Sherwin to create a hard-closure plan for the Logandale AML hard closure project.
4. Produced two AML projects for EPS to conduct revisits in Clark and Nye counties as part of the Southern Nevada Revisit Project contract.
5. Conducted a priority revisit at two AML hazards near the town of Searchlight.
6. Updated and ordered three NDOM graphics panels for use at the AME Roundup conference in January.
7. Inventoried stock of rocks and minerals for the Spring 2023 Teachers Workshop; cleaned and organized the Southern NV storage shed.
8. Attended the Avi Kwa Ame public meeting held by the BLM in Laughlin.
9. Attended a required Workplace Violence Prevention course provided by the State.
10. Facilitated a PDAC planning committee meeting between NDOM and partner agencies.
11. Completed the four-day "Operations II" session of the Nevada Certified Public Manager's course.
12. Participated in an NDOM quarterly staff meeting, EPro training meeting, RAMS monthly progress meeting with TerraSpectra, NAMLET meeting, and part of an NvMA Education Committee Meeting.

AML/Public Outreach and Education – Southern Nevada Field Specialist (Vacant)

Fluid Minerals Program Manager (Cortney Luxford):

1. Three geothermal permits and no oil permits were issued in November. The Forty Mile Desert observation well 55-03 was approved in Churchill County on a private lease. The Fish Lake 31A-13 and 31B-13 injection wells were permitted in Esmeralda County on BLM leases.
2. Thirteen geothermal sundries and four oil sundries were processed in November.
3. Three DMRE borehole notices were received and approved in November; GeoXplor DH-1A, DH-2 and DH-3 boreholes located in Clayton Valley, Esmeralda County.

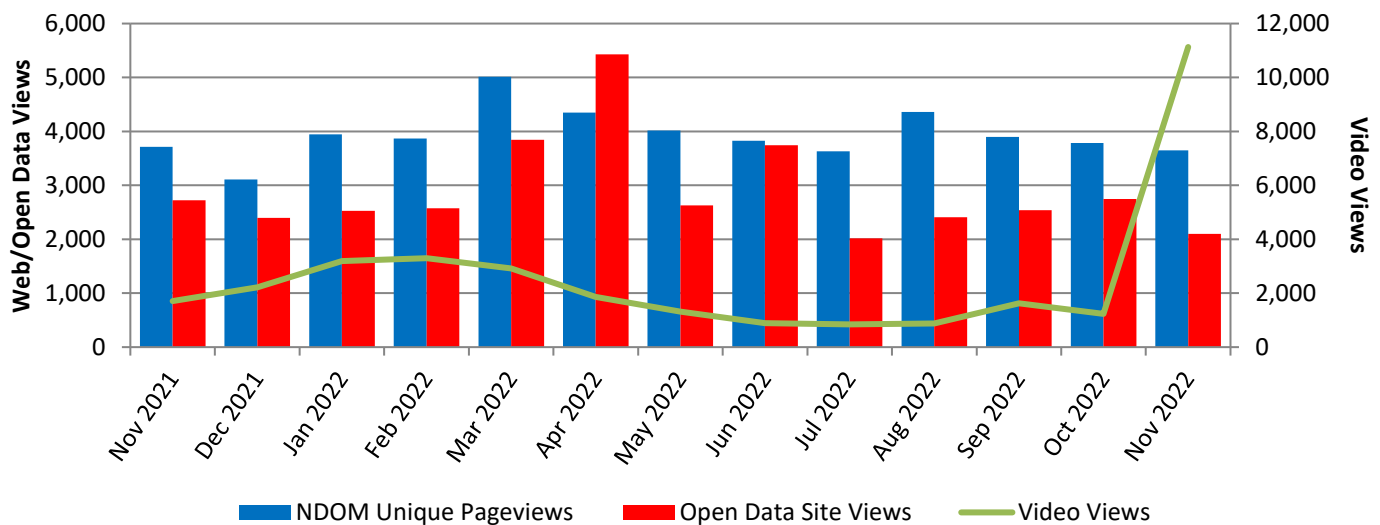
4. Inspected 34 wells at Blue Mountain and Beowawe geothermal fields. Dustin Holcomb inspected an additional 10 wells at the Tuscarora geothermal field.
5. Performed wellsite inspection of DMRE borehole N0041 (Scotch Creek Ventures) in Clayton Valley.
6. Conducted inspection of geothermal drilling activities at the Fish Lake Valley 81B(63-13)-13 well (Permit 1537).
7. Visited the North Diamond Valley 27-1 well site in Elko County during their oil drilling operations.
8. Had conference call with Fervo Energy regarding permitting EGS wells.
9. Had conference call with Uberwolf Energy.
10. Had conference call with Olokun Energy.
11. Coordinated with BLM state and field offices to monitor drilling operations, review permit applications and sundries for fluid minerals.
12. Status of well inspections at the end of November:

FY 2023 Well Inspections	Total Wells	Wells Needed for FY23	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (20 Locations)	469		170		
Oil (23 Locations)	122		17		
Totals	591	197	187	95%	10

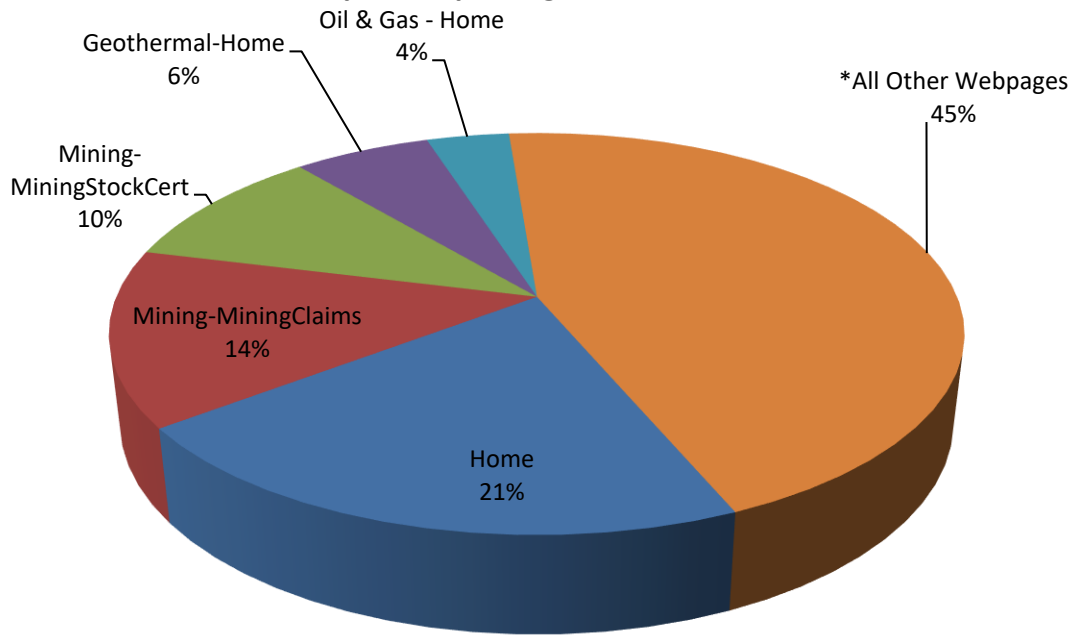
Website Activity:

Period	Website Pageviews	Website Unique Pageviews	Website Top 5 Pageviews	Open Data Site Views	Video Views
Nov 2022	5,017	3,648	Home, MiningClaims, MiningStockCert, Geothermal-Home, and Oil & Gas-Home	2,100	11,129
Nov 2021- Nov 2022	69,407	51,166		37,666	33,083

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



NDOM Website - Top 5 Unique Page Views for November 2022



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

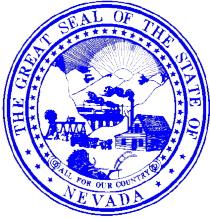
Top Visitors

Nov-2022	Country	United States, Canada, China, India, and (unknown)
	State	Nevada, California, Texas, Virginia, and Washington
	City	(unknown), Reno, Las Vegas, San Jose, and Los Angeles

<u>Video Views in November 2022</u>	<u>Top 5 Video Views</u>	<u>Dist Learn Trkr # of Classes</u>	<u>No. NV</u>	<u>So. NV</u>
11,129	1) Jimmy King KOBİ Full**, 2) The Basics of Mineral Identification; 3) Mining in Nevada - 18:22 mins.; 4) Ore Deposits an Overview; 5) Jimmy King KOBİ – Hero**	445	200	245

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

V. A.2 December 2022 Monthly **Activity Reports**



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STEVE SISOLAK
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Phone: (702) 486-4343; Fax: (702) 486-4345

MICHAEL VISHER
Administrator

MONTHLY ACTIVITY REPORTS

December 2022

Administrator (Mike Visher):

1. Interviewed four candidates for the LV Field Specialist vacancy and hired Carol Shelton who started on December 27th.
2. Reviewed and made edits to the draft NBMG 2021 Mineral Industry Report.
3. Reviewed the impacts to land status resulting from passage of the 2023 NDAA.
4. Fulfilled the semi-regular public records request from Albemarle's attorney for records relating to the Clayton Valley Hydrographic Basin.
5. Reviewed draft of Greenlink West draft EIS and provided comments as a cooperating agency.
6. Prepared documents and agency exhibit for AME Roundup 2023 in Vancouver next month.
7. Attended the Western Governors Association Heat Beneath Our Feet geothermal workshop in Cedar City, Utah providing the state's regulatory perspective on geothermal.
8. Meetings attended: CMR tour, MOAC, Smart from the Start, AEMA, Interagency Geothermal Permitting Working Group, Sage Grouse LUPA, Mining Law Reform, State Environmental Committee, Governor's Cabinet, PDAC planning, and BLM Fluid Minerals.

Deputy Administrator (Rob Ghiglieri):

1. Bond pool activity in December consisted of one notice-level bond increase and one new plan-level bond inquiry.
2. Attended the AEMA Conference.
3. Evaluated the AML wildlife contract proposals and submitted an intent to award letter to Western EcoSystems Technology (WEST).
4. Presented updated AML data and ongoing projects at the annual Nevada Bat Working Group meeting.
5. Reviewed and provided input with Mike and NDEP on H.R.8981 to Congressman Westerman's staff.
6. Attended and provided information to a meeting with the BLM and the Department of Energy (DOE) Legacy Management Defense Related Uranium Mine (DRUM) program. DOE's DRUM program will be doing inventory and site evaluations efforts in 2023.
7. Attended and provided input on the monthly meeting with the OEPC and IMCC to review and discuss new national Hardrock AML program.
8. Participated in a meeting between DOI's Interagency Working Group on Mining Law reform and IMCC.
9. Performed IT onboarding for new hire Carol Shelton.
10. Completed the quarterly bond pool reconciliation report with a zero variance.
11. Sent out Bond Pool quarterly plan-level and annual notice-level premium invoices.
12. End-of-December financial summary of bond pool:

Reclamation Bond Pool Status Report		Current to:	12/31/2022					
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Allegiant Gold	Eastside	11/19/2021	\$163,064.00	8.32%		\$84,036.27	\$21,476.40	64.7%
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.75%		\$7,328.32	\$19,078.63	180.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.40%		\$33,715.62	\$173,042.59	310.1%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	21.94%		\$233,171.91	\$303,938.24	124.9%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.34%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.12%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	3.99%		\$39,615.03	\$52,492.92	117.8%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	22.40%		\$238,536.99	\$216,077.41	103.5%
Statewide Notice-Level	Various	various	\$622,451.00	31.75%	47 Notice-level bonds			
Total Bond Amount			\$1,960,645.39					
Cash in Pool's Account (From BSR - 12/30/2022)			\$3,070,429.76					
Unfunded Amount			-\$1,109,784.37					
Percent funded			156.6%					

Chief, Abandoned Mine Lands Program (Sean Derby):

1. EPS continues to work on the Pine Nuts hard closure project involving 68 sites in Carson City, Douglas, and Lyon counties.
2. EPS continues with the seasonal Southern Nevada revisit program in Nye County.
3. AML staff worked with Motus Media to monitor and enhance the AML digital marketing campaign. Programmatic marketing ceased on December 28. The month-long digital campaign resulted in over 200,000 views of the Division's new SOSA PSA content.
4. AML staff worked with Sinclair Broadcasting to air AML PSA commercials on three local Reno TV stations. PSA commercials are schedule to air until the last week of January.
5. AML staff conducted helicopter surveys in Clark County in cooperation with Nevada Division of Forestry and the National Park Service including identification of approximately 1,000 non-hazardous features.
6. AML staff continues to receive feedback and give recommendations for claimants with outstanding unsecured hazards statewide.
7. AML provided database support to NDOW, granting additional biologists access to NDOM's SOSA database.
8. AML staff awarded the wildlife survey contract to West Inc. which will aid the Division with the increasing demand for hard rock closure projects.
9. AML staff completed winter intern planning and onboarding.
10. AML statistics at the end of December:

	Sites Inventoried	Sites Secured	% Secured
Since 1987	24,602	20,428	83%
2022 To Date	586	937	160%

GIS/ Field Specialist (Lucia Patterson):

1. Updated power transmission ROWs and mining claims on open data site.
2. Looked at all claim pulls for the last year to see if there were any inconsistencies due to recent issues noted with MLRS.
3. Attended AEMA.
4. Corrected and uploaded EPS field data and uploaded AML photos to the server.
5. Assisted with the launch of the Jimmy King SOSA safety campaign.
6. Read and summarized the impacts resulting from the passage of the 2023 National Defense Authorization Act, which included expansion of Fallon NAS and several changes to WSAs.
7. Generated a web application for the BLM to analyze mineral potential data with proposed withdrawals, specifically having to do with the Sage Grouse.
8. Helped Garrett with ArcPro and field maps data in preparation for winters.
9. Edited the 2021 Mineral Industry Report for NBMG including recalculation of Carlin Trend historic gold production.
10. Completed QAQC on geothermal well status for annual invoicing.
11. Edited consultant Bob Thomas' Buckingham geological analysis report.
12. Worked on updating our land withdrawals shapefile.

AML/Fluid Minerals Field Specialist (Dustin Holcomb):

1. Attended the CMR meeting to present the statistical analysis of the biannual mailouts and assist with the field trip to the Johnnie Mine.
2. Performed a two-day helicopter survey with Sean in Amargosa Valley.
3. Attended AEMA convention to staff booth and attend the seminars.
4. Contributed to completing the duties of the Fluid Minerals Manager position by responding to emails, inventorying, and filing sundries, permits, and notices, and reviewing requests for permits.
5. Approved one DMRE Notice of Intent to Drill and one Exploration Well Permit Application.
6. Attended the BLM Forum on Oil and Gas Leasing Provisions in the Inflation Reduction Act webinar.
7. Work with the Lucia to QA/QC the fees for producing geothermal wells, cleaning up the list of wells that are producing.
8. Inventoried the mineral and rock samples for the Teachers Workshops.
9. Cleanout the shed, taking older maps, logs, reports, and assorted documents to NBMG.
10. Prepared the two GMC Sierra 1500 trucks for excess from the Division's fleet.
11. Inventoried and ordered new field equipment for the AML Winterns.

AML/Public Outreach – Southern Nevada Programs Manager (Garrett Wake):

1. Conducted one presentation at Nevada State College on the Nevada mineral industry; 15 students in attendance.
2. Conducted one presentation at the College of Southern Nevada on the Nevada mineral industry; 10 students in attendance.
3. Conducted two presentations to fifth-grade classrooms at Connors ES on mineral identification; approximately 60 students in attendance.
4. Worked with AML staff to identify and prepare winter intern work areas, data and maps.
5. Updated the CMR/NDOM informational brochure.
6. Submitted the necessary information for the Southern Nevada Earth Science Teachers workshop and the All About Mining: Mining for a STEAM Education virtual course for PDE credit. Received approval in late December.
7. Completed the week-long Operations II portion of the Certified Public Managers Course.
8. Continued to manage the Southern Nevada Revisit Contract with contractor EPS. Produced maps and data and monitored ongoing field work.
9. Inspected a lithium exploration drilling project northeast of Las Vegas.
10. Assisted in interviewing four potential candidates for the Las Vegas Office Field Specialist Position.
11. Participated in a PDAC Committee Meeting and a meeting with GOED staff.

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

1. Started on Tuesday, 27 December 22 and very excited to be on board!!
2. Set-up computer and phone.
3. Reviewed files and contents in shared folders including Education & Outreach and Mining.
4. Read the NDOM Safety Program
5. Watched several agency YouTube videos to become familiar with the geology concepts.
6. Reached out to MP Materials and made contact with Mine Manager and CEO to help facilitate tours at the facility.
7. Began the STEAM video training at AllAboutMining.

Fluid Minerals Program Manager (Cortney Luxford):

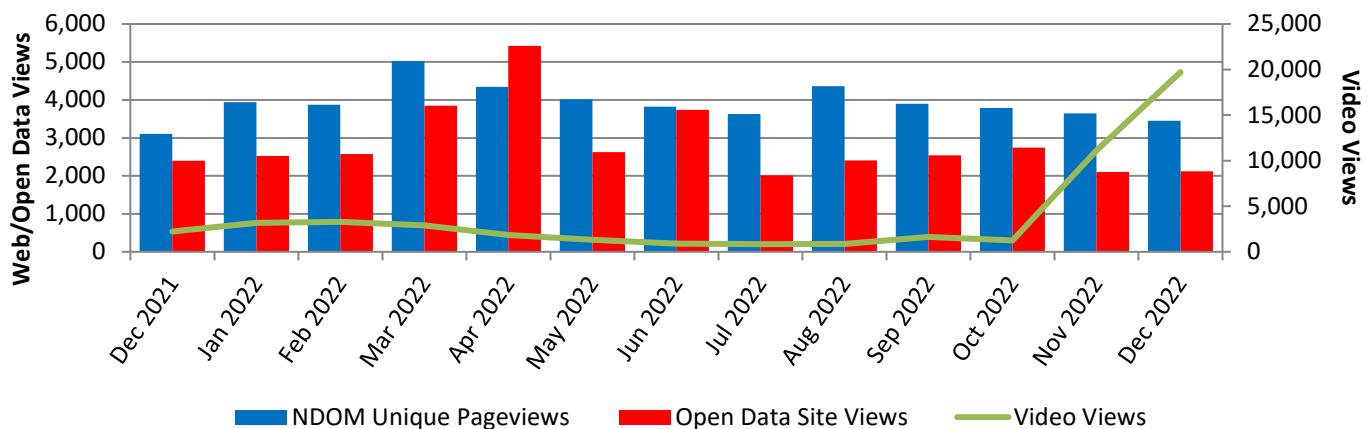
1. One geothermal permit and no oil permits were issued in December. The Forty Mile Desert production well 84-33 was approved in Churchill County on a private lease.
2. Six geothermal sundries and no oil sundries were processed in December.
3. One DMRE borehole notice and one DMRE well permit was approved in December; both located on Federal land in Clayton Valley, Esmeralda County.
4. Coordinated with BLM state and field offices to monitor drilling operations, review permit applications and sundries for fluid minerals.
5. Active geothermal drilling operations in December: San Emidio (Ormat), Blue Mountain (Fervo), Fish Lake Valley (Open Mountain Energy), and Crescent Valley (Ormat).
6. No well inspections occurred in December. Status of well inspections:

FY 2023 Well Inspections	Total Wells	Wells Needed for FY23	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (20 Locations)	469		170		
Oil (23 Locations)	122		17		
Totals	591	197	187	95%	10

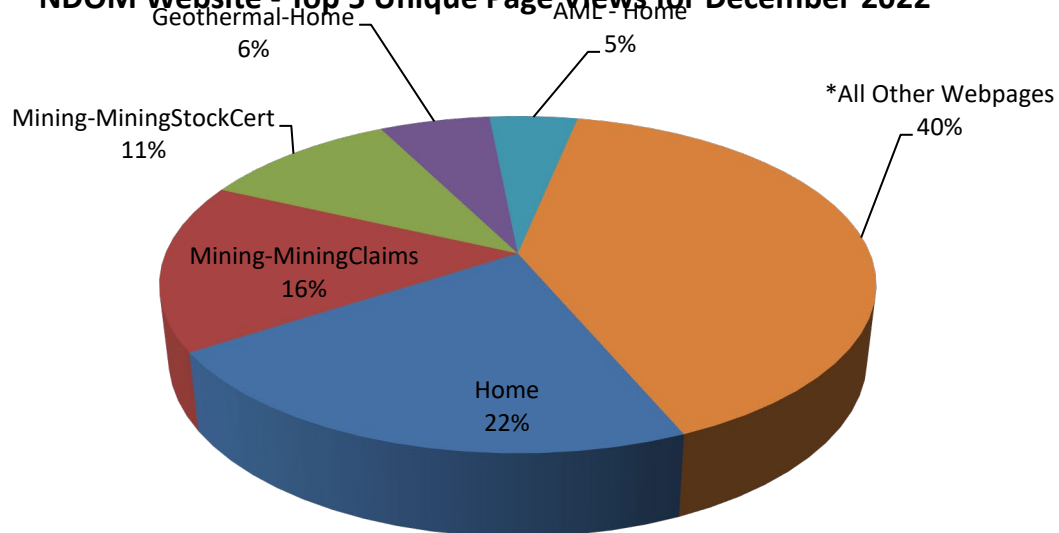
Website Activity:

Period	Pageviews	Unique Pageviews	Website Top 5 Pageviews	Open Data Site Views	Video Views
Dec 2022	4,603	3,454	Home, Mining-MiningClaims, Mining-MiningStockCert, Geothermal-Home, and AML-Home	2,121	19,715
Dec 2021- Dec 2022	68,789	50,906		37,066	51,096

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



NDOM Website - Top 5 Unique Page Views for December 2022



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

Top Visitors		
Dec-2022	Country	United States, Canada, United Kingdom, Mexico, and India
	State	Nevada, California, Washington, Texas, and Colorado
	City	(unknown), Las Vegas, Reno, Los Angeles, and Carson City

	<u>Video Views in December 2022</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	1,387	8) Mining in NV, 9) Weathering & Erosion Part 1, 10) The Basics of Mineral Identification, 11) Ore Deposits an Overview, 12) A General Overview Earth and NV Geo History	55	25	30
With Jimmy King Videos **	19,715	1) Jimmy King KOBİ Full, 2) Jimmy King KOBİ Hero; 3) Jimmy King KOBİ Radiation; 4) Jimmy King KOBİ Electric Fence; 5) Jimmy King KOBİ Hitchhiker (**All views from NDOM YouTube site only)	789	355	434