



**STEVE SISOLAK**  
Governor

STATE OF NEVADA  
COMMISSION ON MINERAL RESOURCES  
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**MICHAEL VISHER**  
Administrator

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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 Visher:** 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 Visher:** 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 Visher:** 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 Visher:** 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 Visher:** 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 Visher:** 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 21<sup>st</sup>.

**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 22<sup>nd</sup>. 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](mailto: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 Visher:** Will do.

## V. COMMISSION BUSINESS

### A. Review of staff monthly activity reports.

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

### B. Correspondence to the Commission.

Administrator Visher 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



# Federal Mining Law Reform & AML Program Update

Commission on Mineral Resources

Quarterly Meeting

November 30, 2022

Las Vegas Nevada

Rob Ghiglieri

Deputy Administrator

Nevada Division of Minerals

# Outline

- Federal Mining Law Reform
- AML Good Samaritan Legislation
- Federal Hardrock AML Program Update
- Impacts to Nevada's AML programs

# Federal Mining Law Reform

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# Biden-Harris Mining Reform “Principles”

- A comprehensive set of strong standards for operation and reclamation of mines
  - A level regulatory playing field across the country
  - Financial assurances for compliance and completion of all reclamation obligations by mining operations (apparently revisiting the issues addressed by EPA under section 108(b) of CERCLA just a few years ago)
  - Dam safety regulation for tailings impoundments
  - Providing good, safe jobs in the mining industry that pay well
  - Increasing availability of critical minerals/decreasing reliance on foreign sources
  - Recovery of critical minerals from unconventional sources such as mine wastes, mine influenced waters and coal ash, without exacerbating environmental impacts from these sources
- Recycling and reuse of critical minerals
  - Increased royalties and revenue stream from mineral production
  - A fully funded hardrock AML program
  - Legal protection for Good Samaritans who voluntarily undertake AML work
  - Comprehensive federal land use planning
  - Timely permitting decisions without compromising environmental protections
  - A “whole of government” interagency, multi-governmental approach to permitting actions
  - Protecting “special places” that should be off-limits to mining
  - Community input and tribal consultation
  - Use of best available science
  - Restore lost mining expertise in federal agencies

# Interagency Working Group on Mining Law Reform

- Interior Department Established
- Multiple working groups, comprised of all Federal agencies
- NDOM, NDEP, and the Governor's Office jointly provided comments
- Little to no state involvement in development of the working groups
- IMCC was not consulted until recently
  - Provided comments similar to Nevada
  - Requesting State involvement

# Interagency Working Group on Mining Law Reform

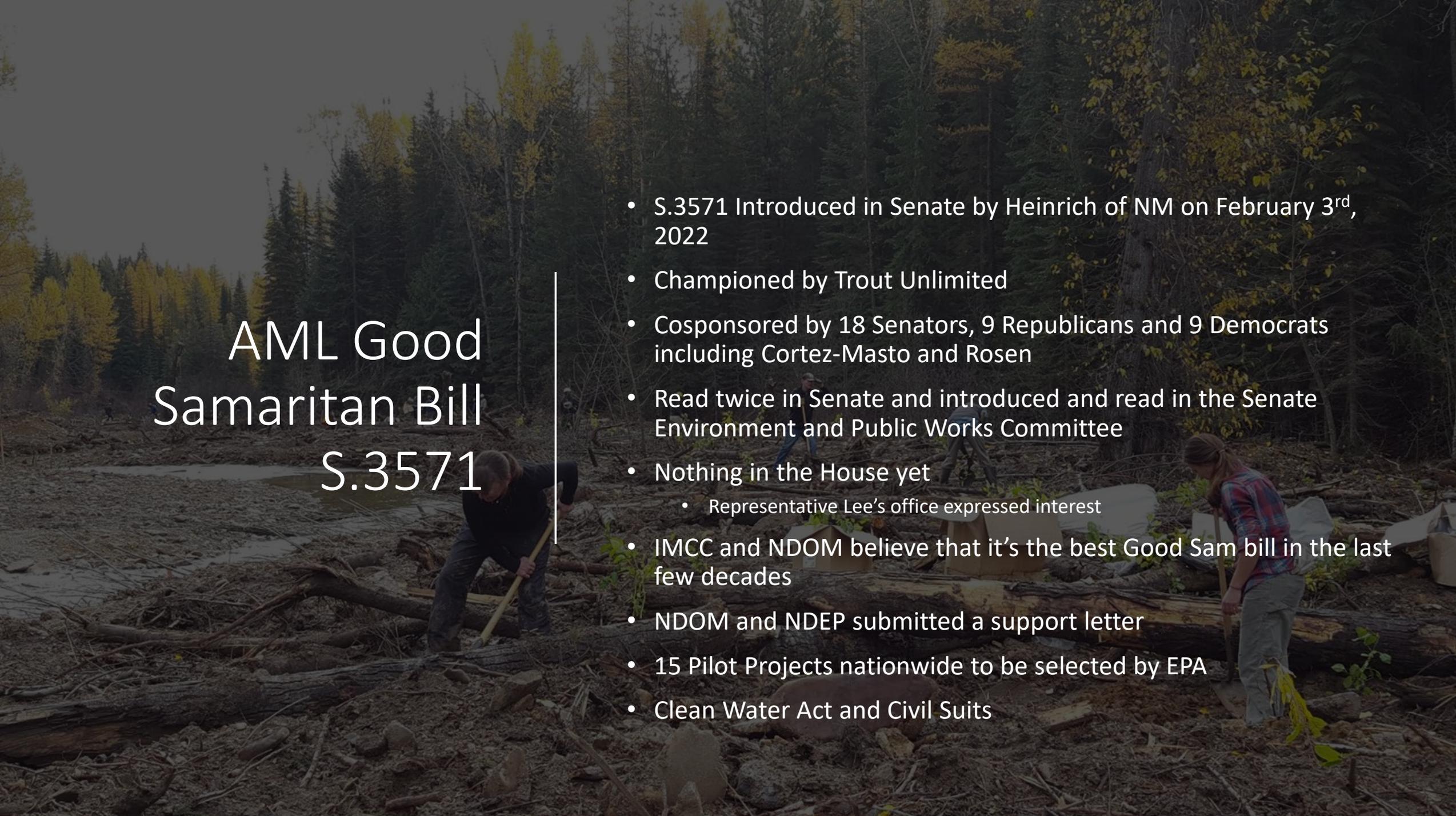
- The IWG's subgroups are:
  - Mining Operations
  - Access to Resources
  - Fiscal Issues
  - Tribal and Community Engagement
  - Permitting Procedures
  - International Best Practices & Standards
- 
- A report with recommendations to Congress by Due November 15 2022, is delayed, no expected release yet

# Mining Related/Reform Bills

- H.R 8981 - Rep Westerman (R – AR)
- S. 4815 – Sen Capito (R – WV)
- Energy Independence and Security Act of 2022 - Sen. Manchin (D – WV)
- H. R. 7580 – Rep. Grijalva (D - AZ)
- S. 4083 – Sen. Heinrich (D – NM)
- Waters of the United States (WOTUS) rulings

# AML Good Samaritan Legislation

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# AML Good Samaritan Bill S.3571

- S.3571 Introduced in Senate by Heinrich of NM on February 3<sup>rd</sup>, 2022
- Championed by Trout Unlimited
- Cosponsored by 18 Senators, 9 Republicans and 9 Democrats including Cortez-Masto and Rosen
- Read twice in Senate and introduced and read in the Senate Environment and Public Works Committee
- Nothing in the House yet
  - Representative Lee's office expressed interest
- IMCC and NDOM believe that it's the best Good Sam bill in the last few decades
- NDOM and NDEP submitted a support letter
- 15 Pilot Projects nationwide to be selected by EPA
- Clean Water Act and Civil Suits

# Federal Hardrock AML Program Update

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# Federal Hardrock AML Overview

- Section 40704 of IIJA creates a new Federal AML Hardrock Program.
  - Authorized \$3.5B for 10 years
  - No funding was appropriated
- Topics to be covered:
  - Hardrock AML history and problem
  - OEPC
  - DOI/USGS/USDA/IMCC MOU
  - Eligibility and requirements
  - NDOM's role
  - Database/Inventory
  - Potential Funding Formula
  - Funding Mechanism
  - Priority

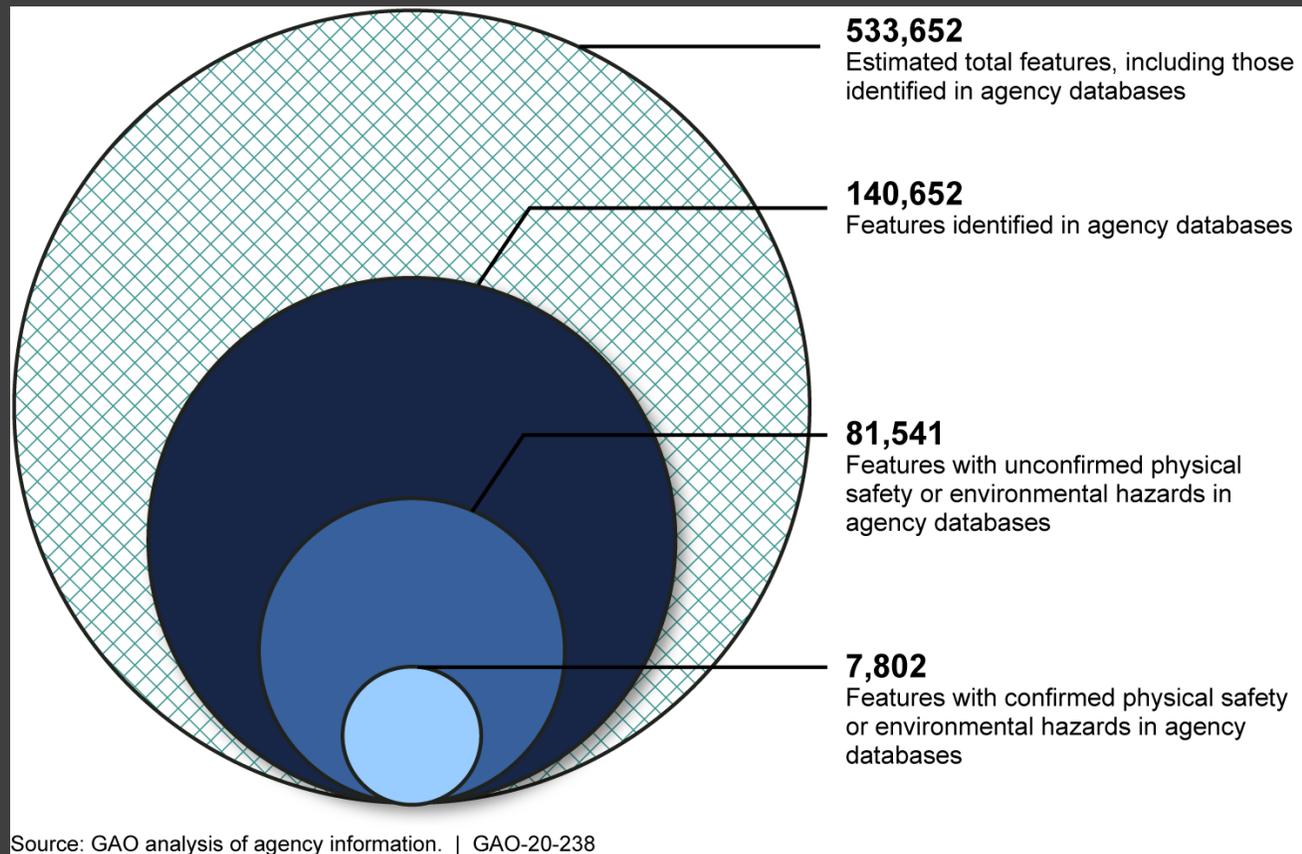
# History of Federal AML Hardrock Programs



- Unlike Coal AML, there is no federal Hardrock AML program
- Need definition of “abandoned”
- Multiple attempts made in the past
  - All include some sort of fee based on industry
- Historically a small budget
  - Vast majority of funding spent on EPA Superfund sites
- Clean Water Act
- Responsible parties
- GAO
  - Three recent reports created on Hardrock AML
    - One in 2020 and two in 2021

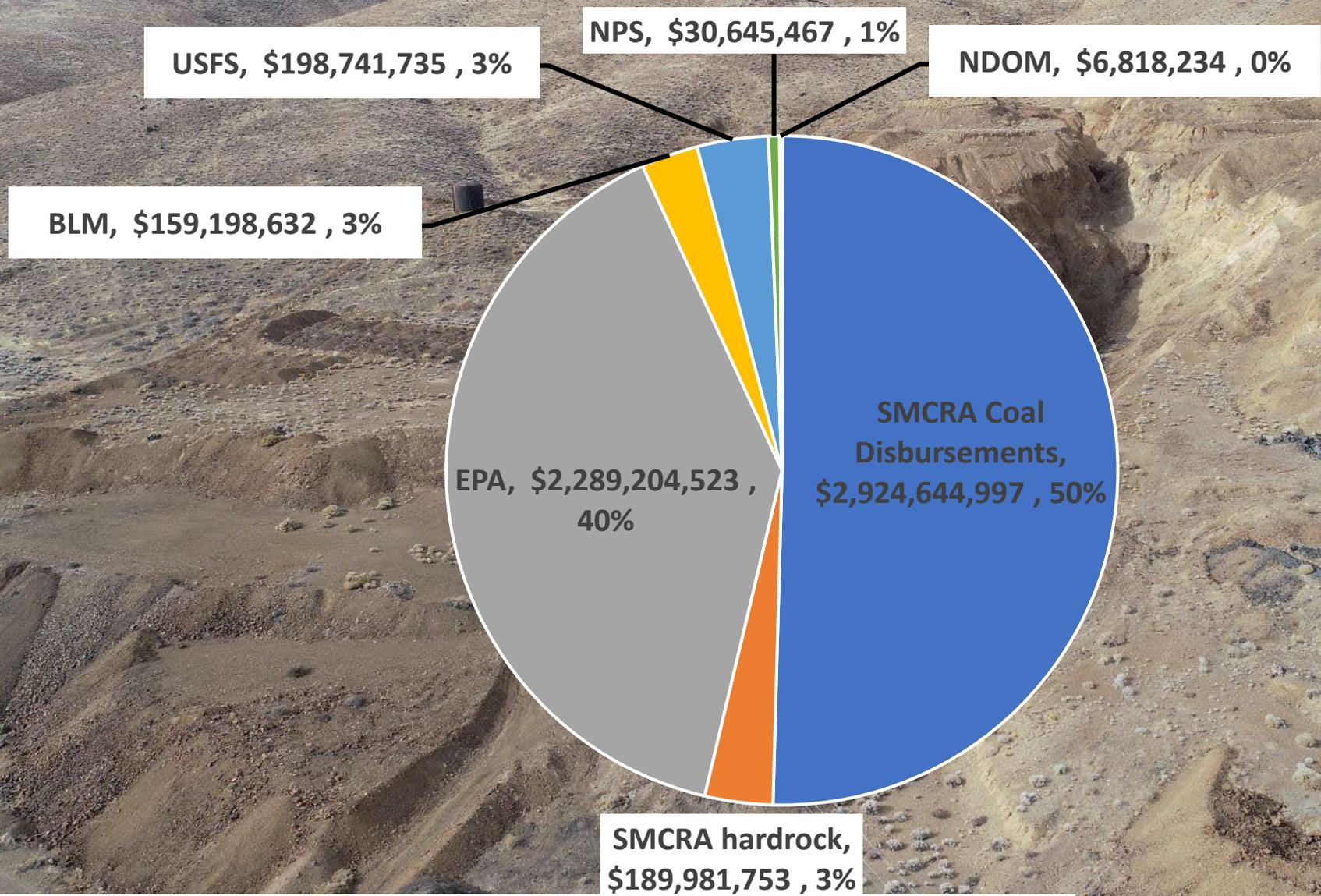
# Abandoned Hardrock Mines Report

## GAO-20-238



- Agencies spent about \$300 million annually from fiscal years 2008 through 2017 to address abandoned hardrock mines, vast majority by EPA
- Agencies in 13 states estimated spending a total of about \$117 million of non-federal funds from fiscal years 2008 through 2017 to address abandoned hardrock mines
- In 2000, an EPA report estimated at least \$35 billion needed for hardrock AML
- Federal and state agencies and stakeholders cited availability of resources and legal liability concerns as factors that limit efforts to address abandoned hardrock mines
  - Need for Good Sam bill

# AML Funding 2008-2017



Sources: GAO Report GAO-20-238; OSMRE Grant Website; NDOM 2018 AML Report

# OEPC, NAAML, IMCC, USDA & USGS

- Office of Environmental Policy and Compliance
- National Association of Abandoned Mine Lands Program
- Interstate Mining Compact Commission
- United States Department of Agriculture
- United States Geological Survey





# OEPC

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- “To serve as a trusted source of Departmental leadership and guidance to ensure sustainable utilization and conservation of natural, cultural, and historical resources for current and future generations.”
- Charged under the BIL to create the AML hardrock Program
  - 90 days from passing of law to creation of program to have a program outline
    - ~February 14<sup>th</sup> 2022
  - Started conversations with future partners before the BIL was signed
  - Was given very little direction from BIL language
  - Been extremely receptive of NAAML, IMCC’s, and other Federal Programs comments and suggestions

# DRAFT Hardrock AML Program MOU

Led by OEPC

- Establishes framework for agency cooperation on hardrock AML program under IIA sec. 40704
- DOI/USGS/USDA/EPA/IMCC are potential contributors
- Seeks to create “culture of collaboration and partnership”
- Establishes inter-agency “Federal Program Technical Working Group”
- Establishes separate State Grant Program
- Establishes separate Tribal Grant Program
- Includes list of “points of contact”
- Includes “general” section for how MOU will operate legally

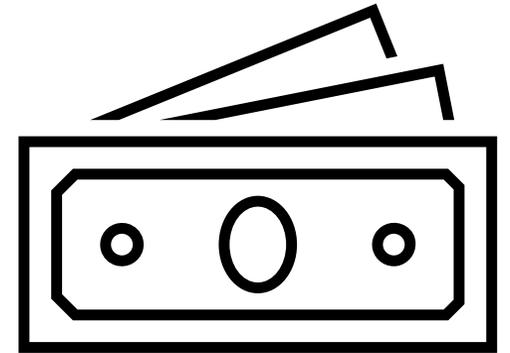
## NDOM's Role

Rob Ghiglieri is the NAAML P Hardrock Committee Chair

- Appointed in Feb 2022
- Providing State perspective
- Various meetings with IMCC, OEPC, USGS, NAAML P on near monthly basis
- Worked with nearly 20 states and IMCC to develop a proposed National AML Hardrock database and provided to OEPC
- Member of the new USGS Hardrock AML database review group

# Funding of BIL 40704

- Funding is going to be on an annual basis under the Federal budget
- FY22 was \$5M
- FY23 request is \$65M with ~\$30M going to the states
  - They expect the funding to continue at the approved rate into the future
  - Potentially planning of long-term funding coming from an industry fee
  - Funding Formula
  - Grants
    - Expected grant application timeframe 6 months after passage of budget
    - Federal Agreements



# Eligibility and Requirements of BIL 40704

- Everything “non-coal”
- Definition of “Abandoned”
- State eligibility
- Federal programs
- MOU
- EJ and Justice 40
- Prevailing wages
- CERCLA
- NEPA
- Overhead
- EPA looking at using the funding as well

# National AML Database

## Purpose of Database

## Roles

- OEPC
- NAAMLPL
- IMCC
- USGS
- Other Federal AML Programs

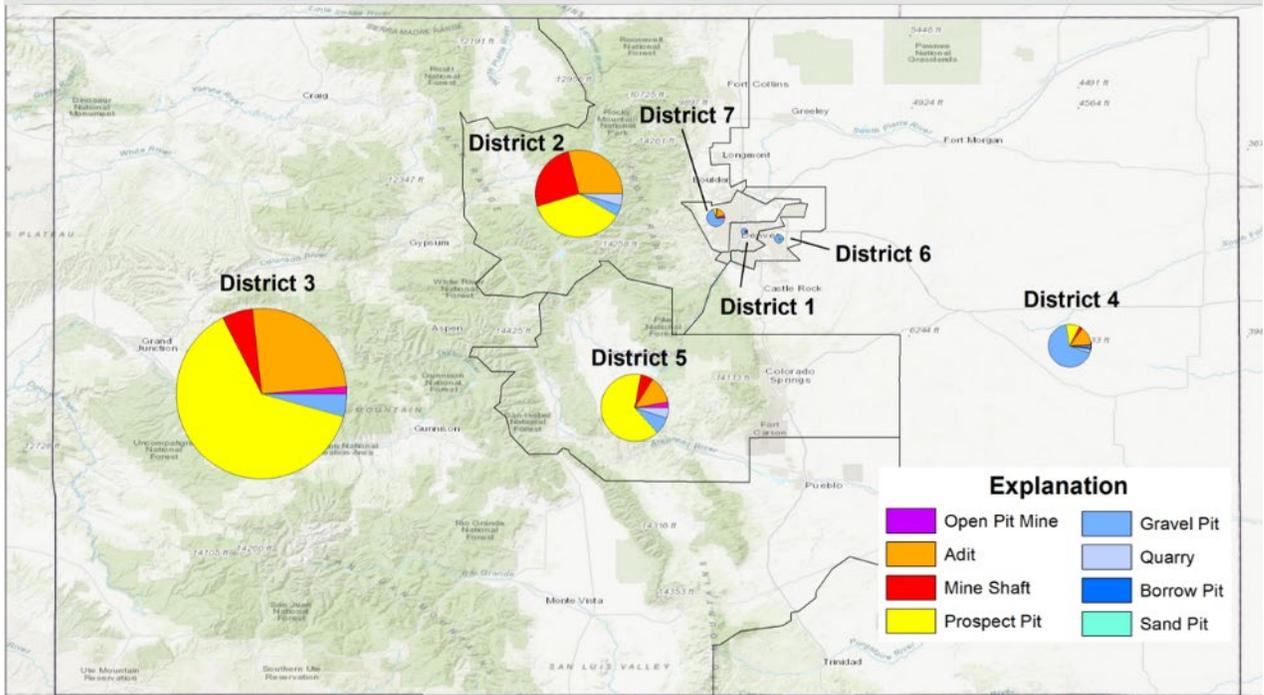
## NAAMLPL/IMCC Inventory committee

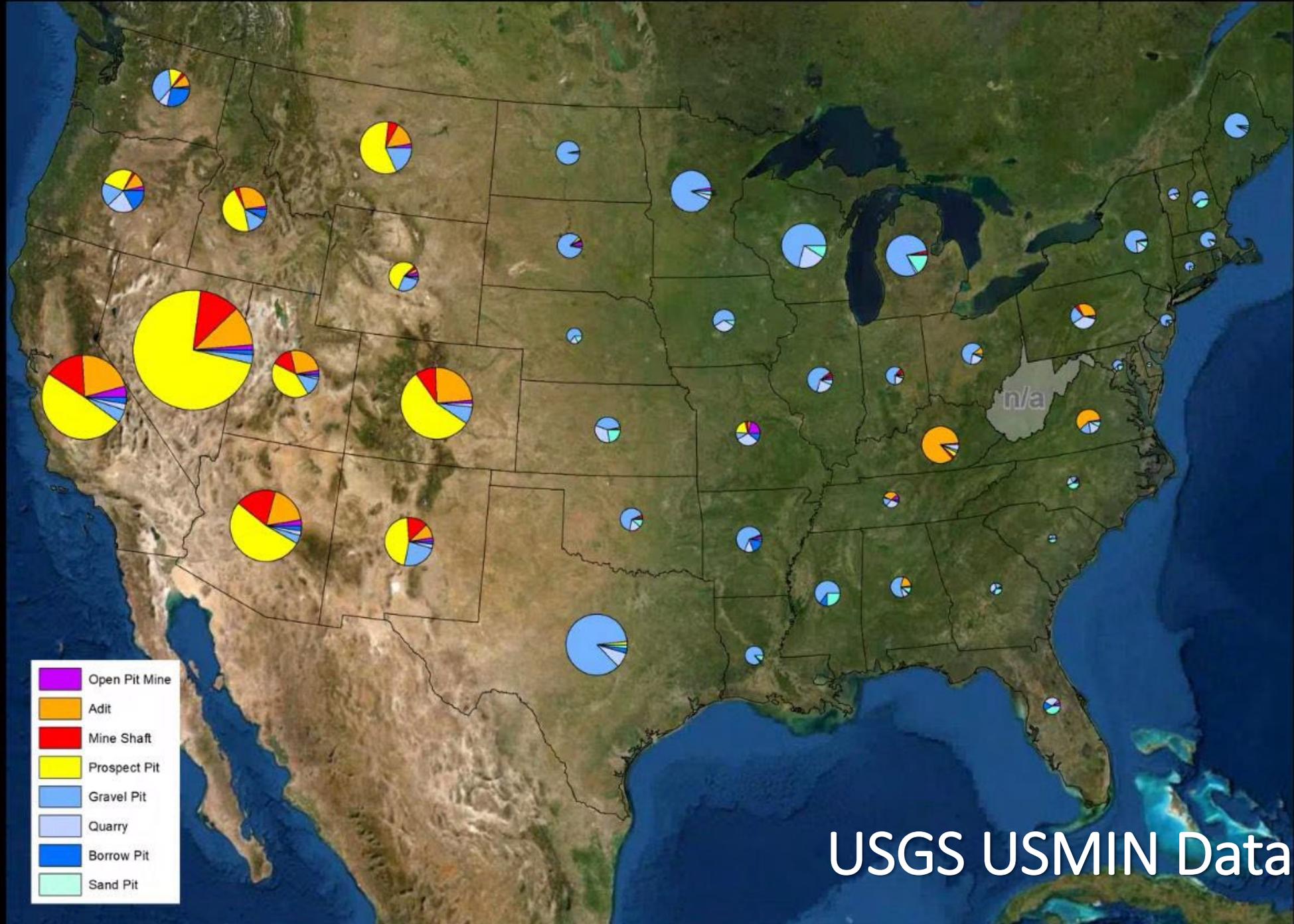
## USGS delegation

- USGS development team
- USMIN Dataset

## Challenges

- All non-coal
- Multiple databases
- Lack of inventory
- Cost





USGS USMIN Data

# Impacts to Nevada's AML Programs

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# Program Staffing History

Over the past 10 years, there has been 7 positions associated with AML program

- AML Chief
- 2 Field Specialist in CC
- 1 Field Specialist in LV
- Southern NV Program Manager
- Admin Assistant LV
- Deputy Administrator

Actual FTE focus at any given time on AML is 2-5

# Additional AML Resources

- Interns
- EPS
  - 3 current contracts
    - General AML
    - Southern NV Revisits
    - Bat Gates (NDOW led)
- Broadbent
- McGinley
- New Wildlife RFP
- USACE RAMS

# Work Completed

## Total Hazards Discovered

- 24,574

## Number of Hazards Currently Secured

- 20,654

## Number of Hazards backfilled/sealed/PUF

- 4,900

## Number of BCCs

- 1,377

## Number of Non-Hazards

- 126,886

## Nevada's Annual Average Since 2012 Inventory

- Hazards
  - 753
- Non-Hazards
  - 7,976
- Safeguarded
  - 1,027
- Backfilled/Sealed/PUF
  - 316
- BCC
  - 118

# Program Revenue History

- Program average annual revenue = \$863,543

## Dedicated Revenue to the AML Program for the Calendar Years 2010 Through 2021

Year	Assistance Agreements	Mining Claim Fees	Disturbance Fees	Total
<b>2021</b>	\$222,157	\$1,105,252	\$102,460	\$1,429,869
<b>2020</b>	\$19,127	\$779,292	\$86,860	\$885,239
<b>2020</b>	\$258,087	\$792,940	\$29,026	\$1,080,053
<b>2018</b>	\$359,910	\$837,688	\$36,630	\$1,234,228
<b>2017</b>	\$137,198	\$802,372	\$84,640	\$1,024,210
<b>2016</b>	\$110,448	\$725,257	\$5,280	\$840,985
<b>2015</b>	\$60,000	\$432,242	\$64,300	\$556,542
<b>2014</b>	\$84,008	\$466,835	\$164,740	\$715,583
<b>2013</b>	\$69,031	\$494,967	\$228,220	\$792,218
<b>2012</b>	\$31,670	\$561,930	\$9,800	\$603,400
<b>2011</b>	\$0	\$481,584	\$139,360	\$620,944
<b>2010</b>	\$75,000	\$463,236	\$41,008	\$579,244

# Current IJA Funding Estimate

- \$65 Million annual appropriations in President's budget
  - Requested by OEPC
- ~\$30 Million to the State
- Current draft formula would send \$5-7 million to NV
- Split between NDOM and NDEP
- Potentially adding >300% in funding each year
  - Once established, expected to remain into foreseeable future
- Probable increase in additional Federal funding through existing Assistance and Cost Share Agreements with partner agencies

# Potential Program Needs

- Increased workload
- Need to Increase Staff
  - Project Manager(s)
  - Grant/Contract Manager
  - Field Staff
  - GIS / Database Manager
- New Contracts
  - Increased funding amount
  - Follow Federal funding Requirements
  - Potential “all in one” contractors
- NDOM/NDEP MOU
- Reprioritization of work
- State Plan

# Questions?



A scenic landscape photograph of a mountain valley. In the foreground, a large, gnarled tree with green needles stands on a rocky, grassy slope. The middle ground shows rolling hills with sparse vegetation and scattered trees. The background features a wide, flat valley floor leading to distant mountain ranges under a cloudy sky. The image is framed by a blue vertical bar on the left and a green vertical bar on the right.

# 2022 AML UPDATE

CMR LAS VEGAS  
NOVEMBER 30, 2022

# TOPICS

SAFEGUARDING

HARD CLOSURES

CONTRACTS

INTERNS

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# SAFEGUARDING

INVENTORY :  
ANNUAL - 527  
TOTAL - 24,572

SECURINGS :  
ANNUAL - 632  
TOTAL - 20,157

REVISITS :  
ANNUAL - 1,437  
TOTAL - 8,000+

NONHAZARDS :  
ANNUAL - 5,000+  
TOTAL - 125,000+

# HARD CLOSURE PROJECTS

## Project Areas

- VC Grand Prix

Storey and Lyon Counties

24 Sites

- Pine Nuts

Douglas, Carson City, and  
Lyon Counties

67 Sites

- Statewide Vandalized  
Sites

68 Sites

- Buckingham Mine

Lander County

38 Sites



# COMING PROJECTS

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## USFS

Aurora II  
Jarbidge  
Boulder Hill  
Red Rock  
Risue Canyon  
Treasure Hill  
Grantsville  
Gate Repairs

## State

Berlin

## BLM

Olinghouse  
Twin Buttes  
Friedburg  
Egan Canyon  
Ely II  
Eureka  
Bellhellen

# CONTRACTS

A photograph of a desert landscape. In the foreground, there is a wooden structure, possibly a remnant of a mine or a bridge, built on a rocky slope. The structure is made of dark wood and has a complex, somewhat dilapidated appearance. The background shows a vast, open desert with scattered shrubs and trees, and a range of mountains in the distance under a clear blue sky. The overall scene is arid and rugged.

## GEOLOGICAL – ARCHEOLOGICAL

### McGinley – Bob Thomas

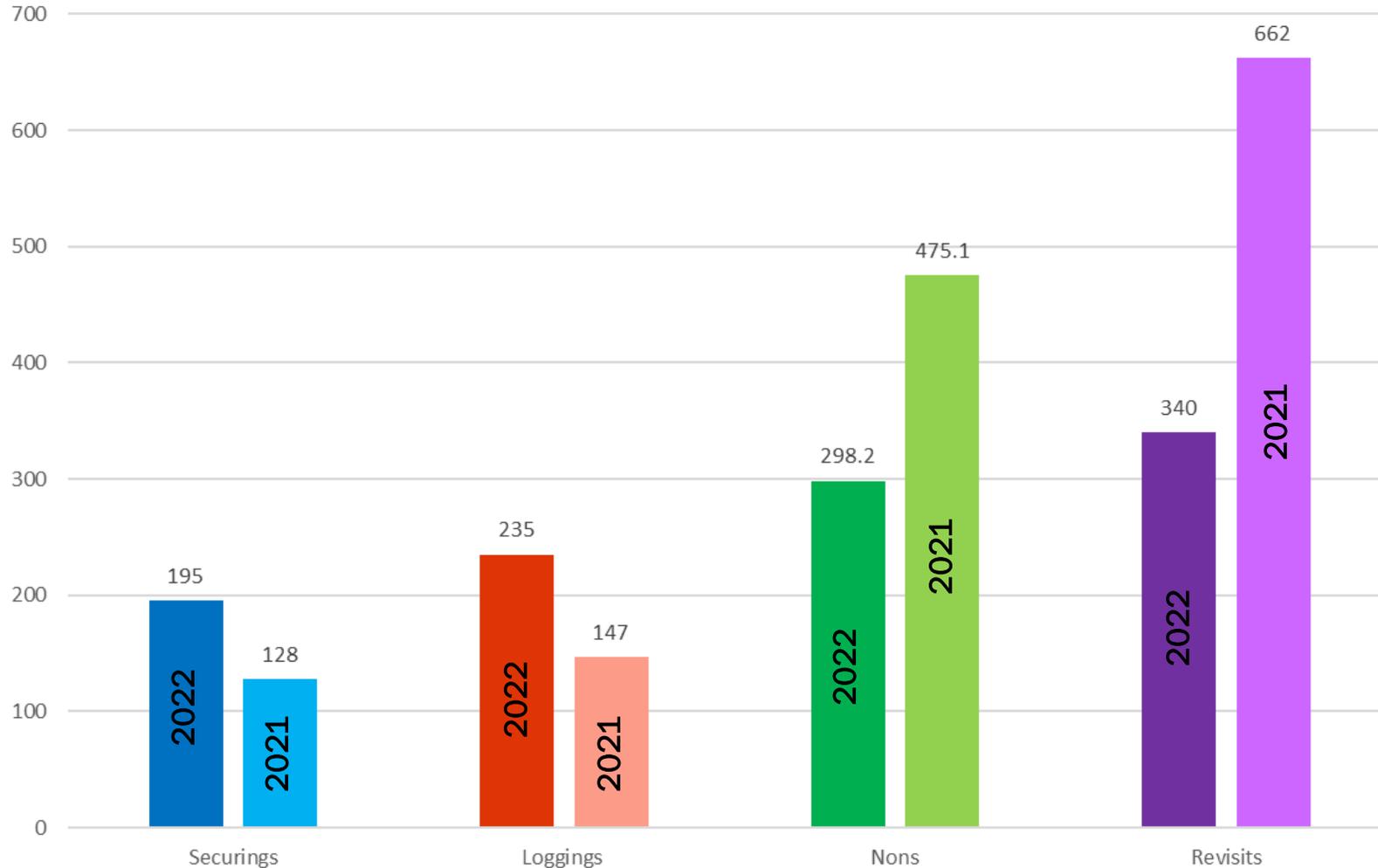
~ Geological Site Characterization and Assay Results

### Broadbent – Alain Pollock

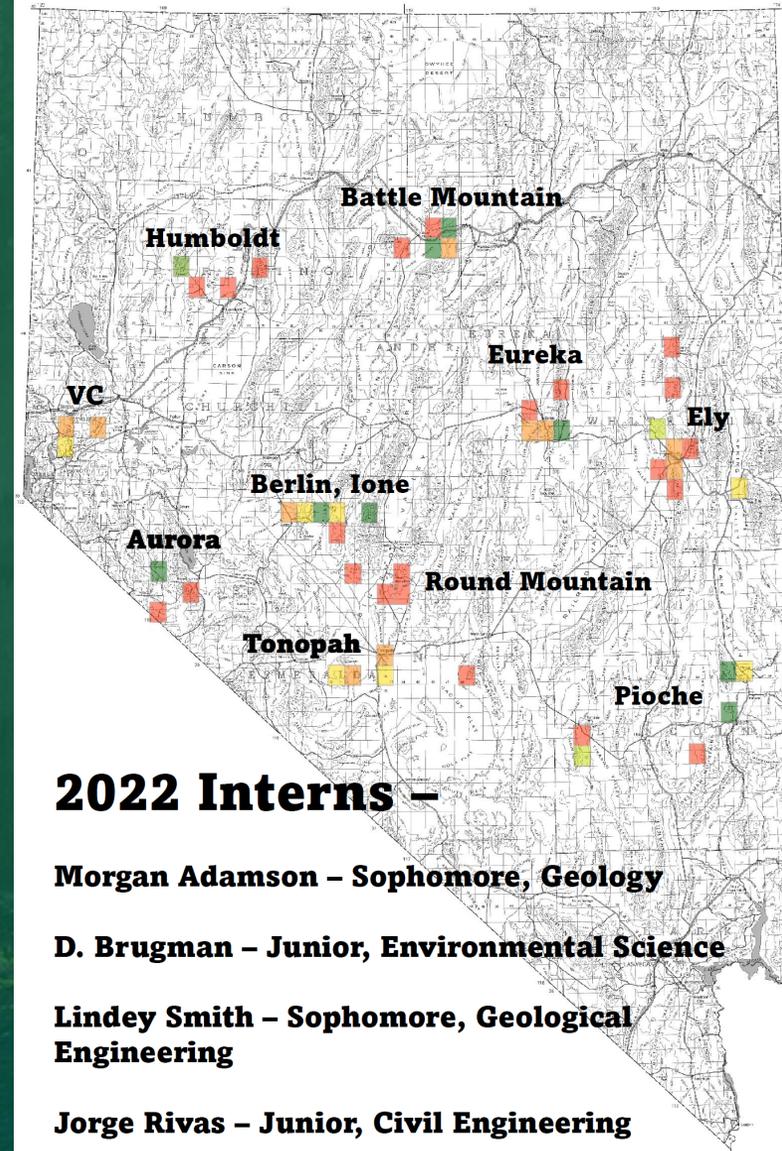
~ NEPA Compliant Archeological Surveys at all hard closure project sites

# INTERNS

Intern Performance 2022 VS 2021



## 2022 Summer Field Season



### 2022 Interns –

**Morgan Adamson – Sophomore, Geology**

**D. Brugman – Junior, Environmental Science**

**Lindsey Smith – Sophomore, Geological Engineering**

**Jorge Rivas – Junior, Civil Engineering**

**Ab Clayson – Sophomore, Mine Engineering**

**Warren Austin – Sophomore, Mine Engineering**



# THANK YOU!

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Sean Derby

Phone

775-721-0282

Email

[sderby@minerals.nv.gov](mailto:sderby@minerals.nv.gov)

# STAY OUT STAY ALIVE DIGITAL MARKETING CAMPAIGN UPDATE

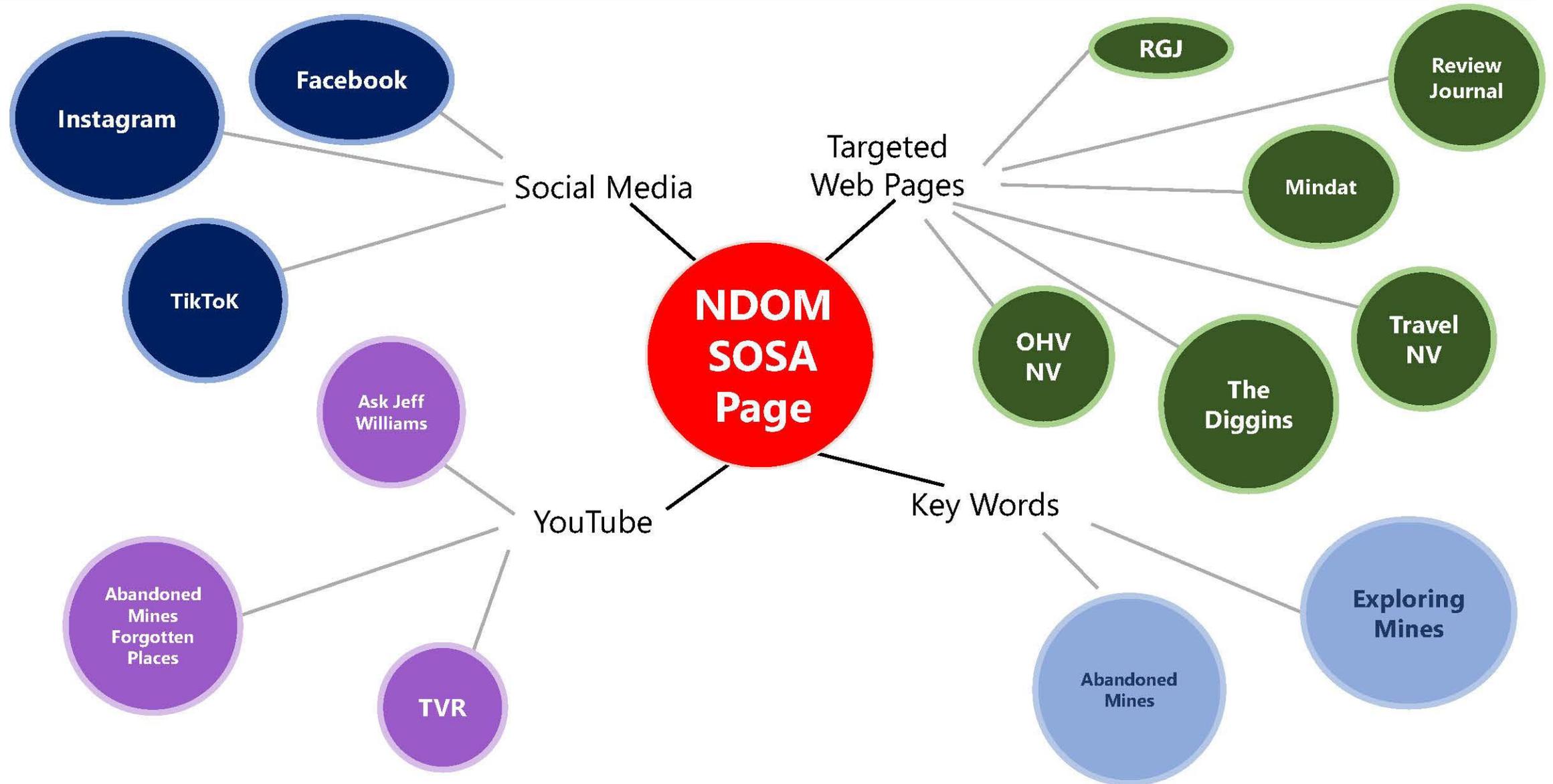


COMMISSION ON MINERAL  
RESOURCES November 30, 2022

# Balance Sheet

Scope of Work Section	ITEM	Cost (\$)	
		Expended	Remaining
#	~		
1	Film Concept	0.00	
2	Script Casting Location	9350.00	
3	Shooting	42051.15	
3.a	Production Expense	4598.85	
4	Editing	14000.00	
5	Ad Buy and Launch	50000.00	
		120000.00	0.00
	Total \$		120000.00

# SOSA DIGITAL MARKETING ENGAGEMENT - EXAMPLE



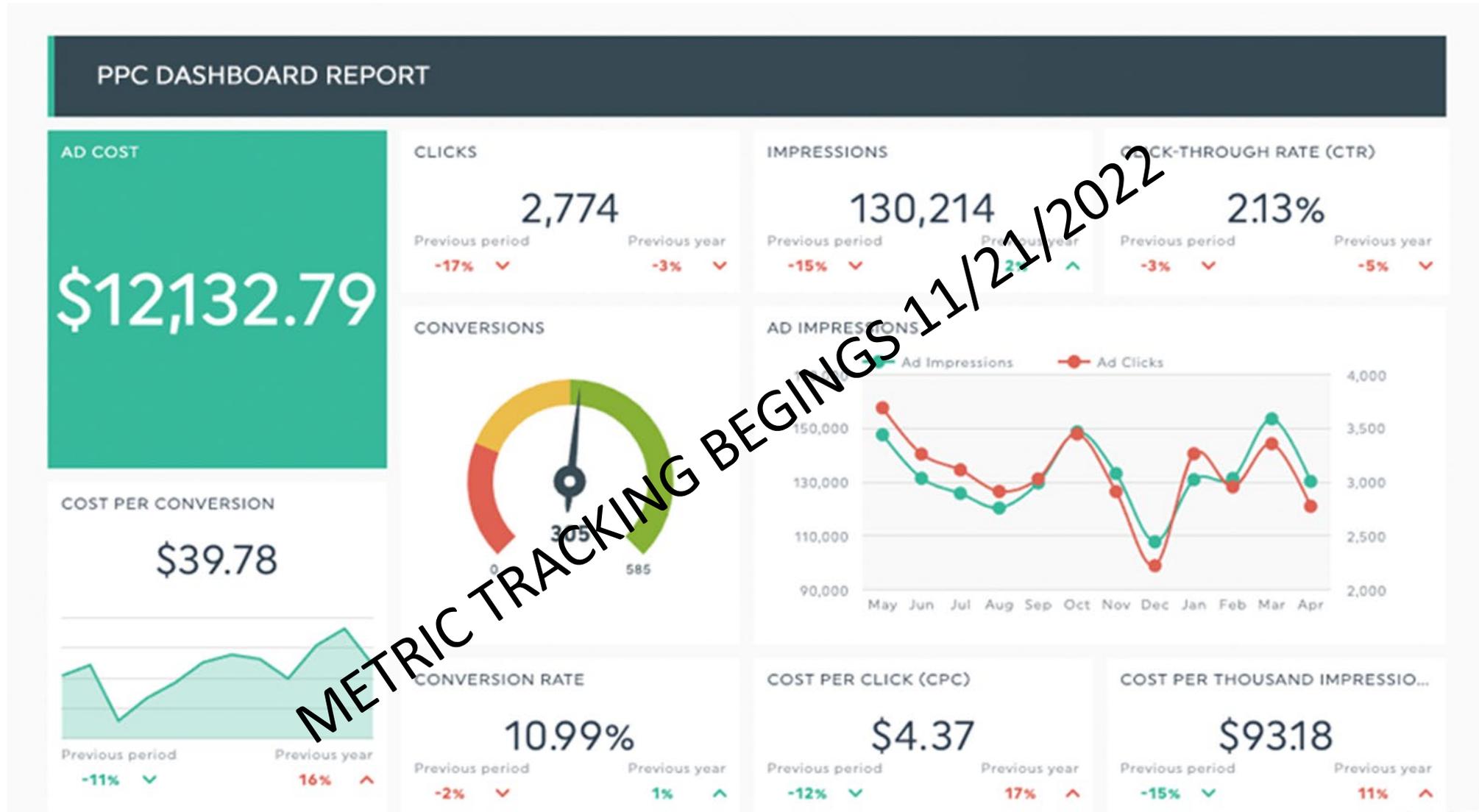
# Key Performance Indicators

1. Impressions – Number of times our content is displayed
2. Reach – Number of people who see our content
3. Engagement – Number of interactions (Shares, Likes, Comments)
4. DNA – Age and demographics of viewer
5. Clicks – Number of clicks on our content

# Key Performance Indicators

1. Conversion & Conversion Rates – How often the audience visits our website as a result of watching the video and the ratio of how many initial views result in a homepage visit
2. Completion Rate – How often people view the content beginning to end
3. Cost Per 1000 Impressions
4. Cost Per Click

# Initial Results





# THANK YOU!

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Sean Derby

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Email

[sderby@minerals.nv.gov](mailto:sderby@minerals.nv.gov)

A person is standing on a large, rectangular metal grate structure that appears to be a water filtration or sedimentation tank. The structure is made of parallel metal bars and is situated in a desert environment with a rocky, hilly background under a clear blue sky. The person is wearing a red jacket and dark pants, and is looking towards the camera.

# CMR Approved Contracts Update

Commission on Mineral Resources

Quarterly Meeting

November 30, 2022

Las Vegas Nevada

Rob Ghiglieri

Deputy Administrator

Nevada Division of Minerals

# AML Contracts

## AML Inventory and Closure Contract

- Environmental Protection Services (EPS)
  - 8-year contract
    - Feb 2018 – Feb 2026
    - \$4.8 Million
      - ~\$1.9 million remaining
      - No option to renew

## AML Southern Nevada Revisit Contract

- Environmental Protection Services (EPS)
  - 2.5-year contract
    - Feb 2021 – June 2023
    - \$150,000
      - \$61,000 remaining
      - Option to renew



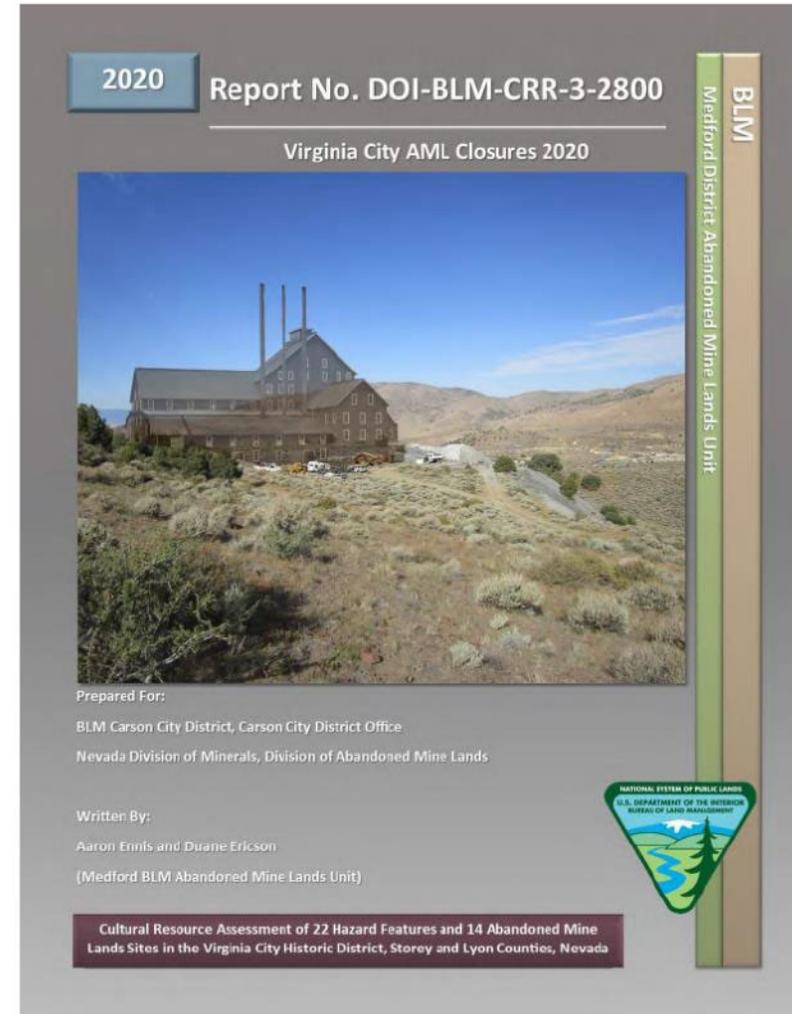
# AML Contracts Continued

## AML Bat Gate Contract (Non-CMR)

- Environmental Protection Services (EPS)
  - 4-year contract
    - Oct 2019 – September 2023
    - \$500,000
      - \$45,000 remaining

## AML Cultural Survey Contract

- Broadbent and Associates
  - 4-year contract
    - March 2021 – March 2025
    - \$400,000
      - \$233,000 remaining
      - No option to renew



# AML Contracts Continued

## AML Helicopter Survey

- Nevada Division of Forestry
  - 4-year contract
    - Oct 2019 – June 2024
    - \$80,000
      - \$75,000 remaining
    - Option to renew

## AML Geological Analysis

- McGinley and Associates
  - 2-year contract
    - July 2021 – June 2023
    - \$150,000
      - \$96,000 remaining
    - Option to renew



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## AML Contracts Continued

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### AML Billboards

- YESCO
  - 2-year contract
    - May 2022 – June 2024
    - \$24,000
      - \$14,000 remaining
    - Option to Renew

### AML Digital Marketing Campaign

- Territory6
  - 1.5-year contract
    - Sept 2022 – March 2024
    - \$125,490
      - \$25,000 remaining
    - Option to Renew



**JIM  
KIN**

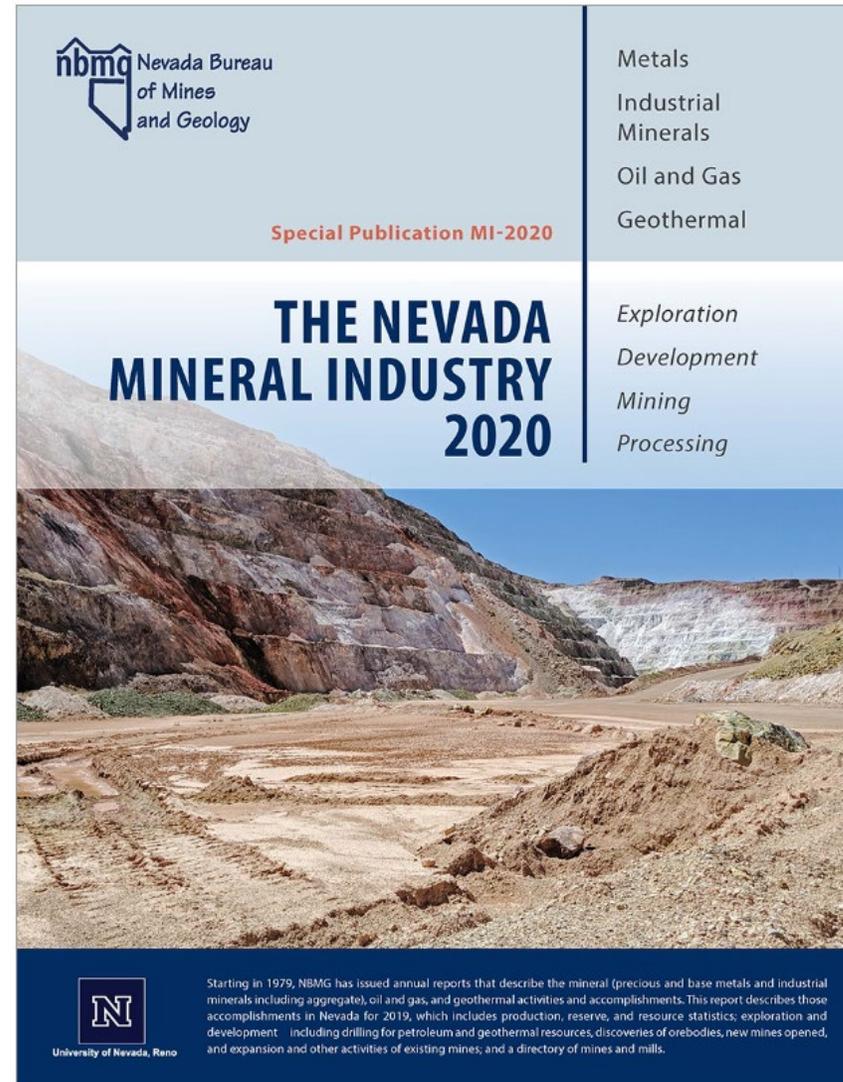
# NBMG Contracts

Sample Curation, MI Report,  
Exploration Survey, Lithium Report

- 2-year contract
  - Oct 2021 – June 2023
  - \$80,000
    - \$75,000 remaining
    - Option to Renew

Railroad Valley Project

- 1.5-year contract
  - Dec 2021 – June 2023
  - \$80,000
    - \$75,000 remaining



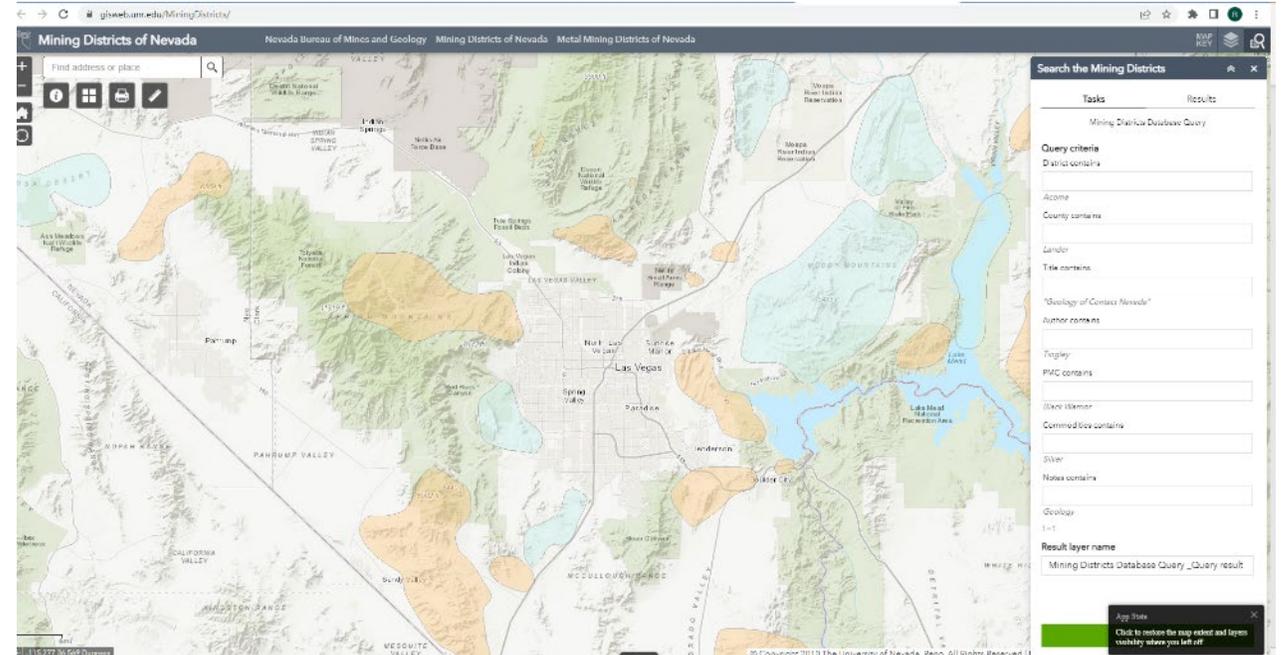
# NBMG Contracts Continued

## Mining District Files

- 4-year contract
  - Sept 2022 – Oct 2026
  - \$38,232
    - \$38,232 remaining
    - Option to Renew

## Soda Lake Geothermal Project

- 1.5-year contract
  - TBD – June 2024
  - \$44,000
    - Not executed



## Other Contracts

### Las Vegas Natural History Museum and Reno Discovery Museum

- 2 separate contracts
  - LV finished March 2021 for \$49,500
  - Discovery Museum Finished June 2022 for \$49,500

### Mackay / Great Basin College Lab Equipment

- 1.5-year contract
  - TBD – Dec 2023
  - \$146,000
    - Not executed
      - Pending December 8 IFC
      - Pending December 13 BOE



## Other Funding/Expenditure Items

- AML Wildlife Survey
- RAMS
- NvMA / NDOM Earth Science Workshop

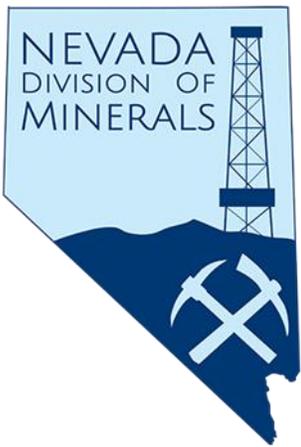


# Remaining Contract Authority by Type

	Name	Vendor	End Date	Remaining \$	FY 23	FY 24	FY 25
AML	Abandoned Mine Lands	EPS	2/5/2026	\$ 1,940,216	\$ 650,000	\$ 800,000	\$ 800,000
	AML Revisits	EPS	6/30/2023	\$ 61,119	\$ 61,119	\$ -	\$ -
	AML Heli Survey	NDF	6/30/2024	\$ 75,000	\$ 15,000	\$ 30,000	\$ -
	AML Cultural Survey	Broadbent	3/9/2025	\$ 233,000	\$ 100,000	\$ 100,000	\$ 33,000
	AML Geo Analysis	McGinley & Associates	6/30/2023	\$ 96,514	\$ 50,000	\$ 46,514	\$ -
	AML Billboards	YESCO	6/30/2024	\$ 21,250	\$ 10,000	\$ 12,000	\$ -
	AML Digital Campaign	Territory6	3/31/2024	\$ 25,000	\$ 25,000	\$ -	\$ -
	AML Wildlife Survey	TBD	12/13/2026	\$ 98,000	\$ 24,500	\$ 24,500	\$ 24,500
	Totals				<b>\$ 2,550,099</b>	<b>\$ 935,619</b>	<b>\$ 1,013,014</b>
NBMG	Railroad Valley	UNR/NBMG	6/30/2023	\$ 37,800	\$ 37,800	\$ -	\$ -
	Mining District Files	UNR/NBMG	10/11/2026	\$ 38,232	\$ 18,262	\$ 19,970	\$ -
	Industry Reports and Lithium Report	UNR/NBMG	6/30/2023	\$ 135,000	\$ 97,200	\$ 37,800	\$ -
	Soda Lake Geothermal Study	UNR/NBMG	10/11/2025	\$ 44,000		\$ 44,000	\$ -
	Totals				<b>\$ 255,032</b>	<b>\$ 153,262</b>	<b>\$ 101,770</b>
Other	NDOM-GBC Lab Equip.	UNR/Mackay	12/13/2024	\$ 146,000	\$ 146,000	\$ -	\$ -
	NvMA Earth Science Workshops	Various	6/30/2026	\$ 39,900	\$ 9,900	\$ 15,000	\$ 15,000
	Totals				<b>\$ 185,900</b>	<b>\$ 155,900</b>	<b>\$ 15,000</b>

# Questions

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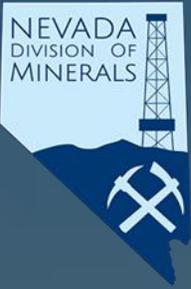


# AML Mailout Review

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The last three years of mailout data  
2020-2022





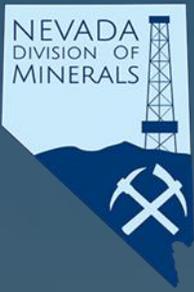
# CHAPTER 513 - COMMISSION ON MINERAL RESOURCES

- The Nevada Division of Minerals (Division) will continue to implement a notification process that will take place semi-annually during or near the months of October and April.
- Once an owner has been notified by the Division and has not responded in any form within six months of the original notification, the Division will send a formal notification to the owner; as well as, a notification of noncompliance to the county.

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## NRS 513.094

2. The Administrator shall, within the limits of the money provided by this fee, establish a program to discover dangerous conditions that result from mining practices which took place at a mine that is no longer operating, identify if feasible the owner or other person responsible for the condition, and rank the conditions found in descending order of danger. The Administrator shall annually during the month of January, or more often if the danger discovered warrants, inform each board of county commissioners concerning the dangerous conditions found in the respective counties, including their degree of danger relative to one another and to those conditions found in the State as a whole. In addition, the Administrator shall work to educate the public to recognize and avoid those hazards resulting from mining practices which took place at a mine that is no longer operating.

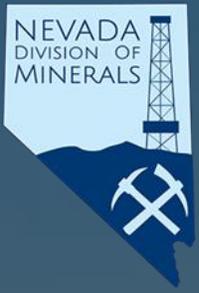


# Claim Holders Contacted

Annual Mailout to Claim Holders

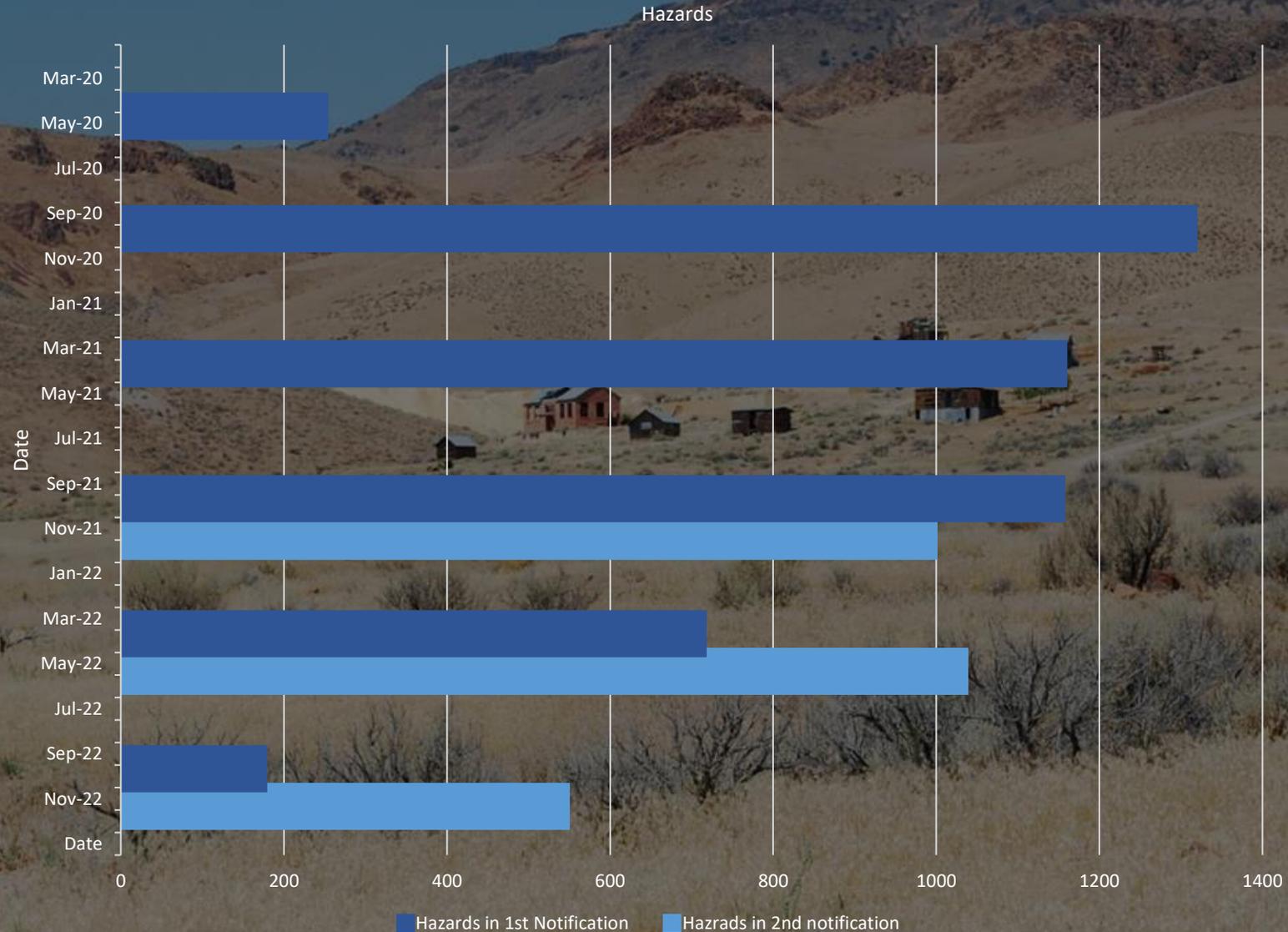


- 1st & 2nd Mailout
- Research
- SOSA
- Return Addresses
- Price of Gold



# Unsecured Hazards

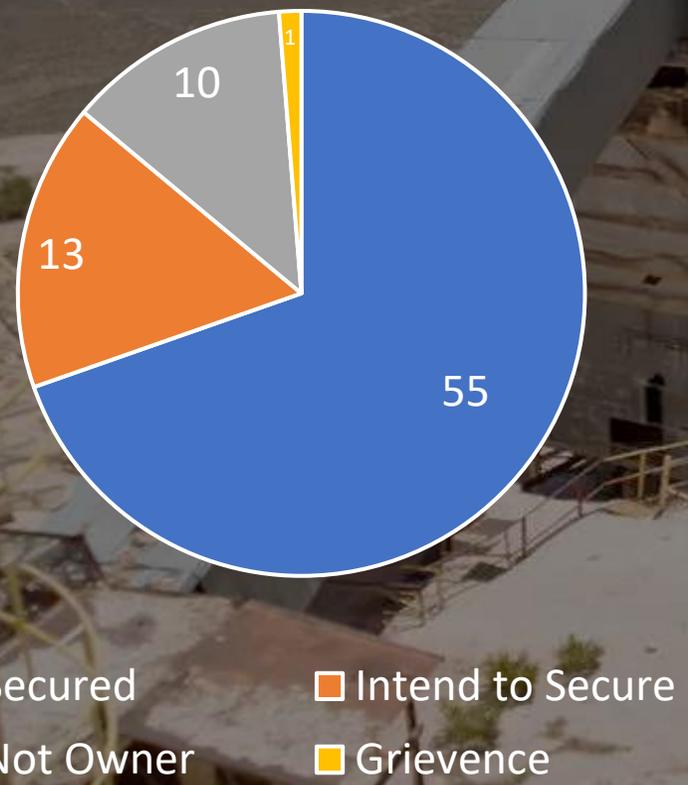
- Inventory Methods
- SOSA
- Metrics
- User Preference
- Database
- Fall 2022



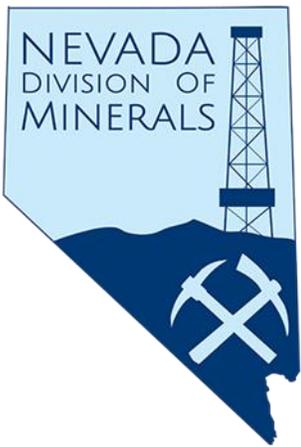


# Mailout Statistics – 2022

Responses by claimants- Fall



- 681 Hazards Notified of
- 12% Hazards Secured
- 17% Response by claim owner
- 7% Letters Returned Mail
- 45 Hazards



# AML Mailout Review

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Questions?

- Things to be done moving forward?
- Continue to refine the tracking
- Ever evolving mailout practices
- <https://amlsoa.nv.gov/SOSA/>