



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

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

Join from a PC, Mac, iPad, iPhone, or Android device: Please click this URL to join,  
<https://us02web.zoom.us/j/9712825638>  
 Meeting ID: 971 282 5638

Wednesday, October 27, 2021

1:00 P.M.

**AGENDA**

**CALL TO ORDER**

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

**ROLL CALL**

**PLEDGE OF ALLEGIANCE**

**COMMENTS BY THE GENERAL PUBLIC**

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

**I. AGENDA**

A. Approval of the Agenda

**FOR POSSIBLE ACTION**

**II. MINUTES**

A. Approval of the July 22, 2021, meeting minutes

**FOR POSSIBLE ACTION**

**III. NEW BUSINESS**

A. Reserve Guidance Recommendation

**FOR POSSIBLE ACTION**

A review of agency financials will be provided along with a recommendation to change the reserve guidance dollar amount. Mike Visher

B. Review of 2021 AML Program

**FOR DISCUSSION ONLY**

A review of the 2021 AML Program will be provided. This will include a presentation of summer intern accomplishments as well as update on completed and planned hard closure projects. Sean Derby

C. Consideration of AML Program Enhancement Projects

**FOR POSSIBLE ACTION**

Five projects will be presented for consideration and approval by the Commission for funding in this or future fiscal years. The five projects are:  
1) increased spending for cultural surveys of proposed hard closure projects.  
2) purchase of a second UTV and trailer for use by Las Vegas staff.  
3) “Stay Out, Stay Alive” social media campaign.  
4) “Stay Out, Stay Alive” billboard advertisement campaign; and  
5) contracted helicopter surveys of AML features.

Rob Ghiglieri and Sean Derby

D. Review of Upcoming FY2022 Staff Travel

**FOR DISCUSSION ONLY**

A review of fiscal year 2022 plans for in state and out-of-state travel by staff will be provided.

Rob Ghiglieri

**IV. OLD BUSINESS**

A. Review of the 2021 NAAML P Conference

**FOR DISCUSSION ONLY**

Nevada hosted the 42nd annual conference for the National Association of Abandoned Mine Land Programs (NAAML P) September 13<sup>th</sup> – 15<sup>th</sup>. An overview of the event will be presented.

Rob Ghiglieri

**COMMISSION BUSINESS**

- A. Review of staff monthly activity reports.
- B. Appointment of Vice-Chair
- C. Set date for next Commission meeting

**FOR DISCUSSION ONLY**  
**FOR POSSIBLE ACTION**  
**FOR DISCUSSION ONLY**

**COMMENTS BY THE GENERAL PUBLIC**

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**ACTION WILL NOT BE TAKEN**

**ADJOURNMENT**

**NOTICE TO PERSONS WITH DISABILITIES**

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to notify the Division of Minerals, 400 W. King Street, Suite 106, Carson City, NV 89703 or contact Sherrie Nuckolls at (775) 684-7043 or Email [SNuckolls@minerals.nv.gov](mailto:SNuckolls@minerals.nv.gov)

The Commission will be attending a tour of the Isabella Pearl Mine on Thursday, October 28, 2021, at 10:00 am. We will meet at the mine site located 6 miles north of Luning on Hwy 361. Space is limited to 8 people. Members of the public may attend but must provide their own transportation and all required safety equipment. Advanced notification is required. Please call Sherrie Nuckolls at (775) 684-7043.

## II. MINUTES



**STEVE SISOLAK**  
Governor

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Thursday, July 22, 2021

1:00 P.M.

**MINUTES**

Commissioners	Staff	Public
Mary Korpi	Mike Visher	Jordan Hosmer, Governor's Office
Josh Nordquist	Rob Ghiglieri	Joseph Riney, NvMA
Art Henderson	Sherrie Nuckolls	
Bob Felder	Lucia Patterson	
Nigel Bain	Garrett Wake	
Stephanie Hallinan	Courtney Luxford	
	Anthony Walsh, DAG	

**CALL TO ORDER**

1:00 PM by Mary Korpi

**COMMENTS BY THE GENERAL PUBLIC**

None

**AGENDA**

A. Approval of the Agenda

**Motion to approve the agenda made by:** Bob Felder

**Seconded by:** Josh Nordquist

**Unanimously approved**

**II. MINUTES**

A. Approval of the January 14, 2021 quarterly meeting minutes

**Motion to approve the May 13, 2021 minutes made by:** Josh Nordquist

**Seconded by:** Bob Felder

**Unanimously approved**

**III. NEW BUSINESS**

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

**Mary Korpi:** Asked Stephanie Hallinan to tell a little bit about her background.

**Stephanie Hallinan:** Thanked everyone and introduced herself, then gave a brief description of her background.

**Mary Korpi:** Stated we're glad to have her and thanked her for submitting her application. Mary congratulated Nigel Bain and Art Henderson on their reappointments.

**Art Henderson:** Thanked Mary and said he is happy to be on the Commission.

**Mary Korpi:** Stated we're glad to have you here.

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

**Mary Korpi:** Stated Rich DeLong chose not to pursue another term with the Commission and asked Mike Visher to explain the roles and responsibilities of what the Chairman does because knowing what those expectations are is important.

**Mike Visher:** Explained the Chairman's responsibilities and expectations.

**Mary Korpi:** Asked if anyone had questions.

**Art Henderson:** Asked what Commissioners would be willing to serve as the chairman.

**Josh Nordquist:** I would be happy to volunteer.

**Mary Korpi:** That's a good question Art, are you or Nigel interested?

**Art Henderson:** No, I don't think so, I think there are many qualified people in the room that can handle this job.

**Nigel Bain:** I think from the geothermal side I think Josh will be great because then it's another part of mining or mineral extraction that's represented, same with the chairman elect right now, her knowledge in mining is good but she also has a bit of an outsider's point of view, I think that it is good that we diversify.

**Mary Korpi:** Thanks Nigel. Based on that discussion do we have a motion?

**Bob Felder:** Asked if the Chairman's position is every two years.

**Mike Visher:** Yes, that's what the Commission decided that it should be a two-year term and revisit again to see if somebody wanted to be reconsidered and reappointed by the Commission for this position, but that two-year term was decided and established by the Commission.

**Bob Felder:** So, it doesn't have to turn over, it's reconsidered every two years?

**Mike Visher:** Yes.

**Art Henderson:** The previous Chairman was 27 years I believe, is that right Mike?

**Mike Visher:** Yes, that was Fred Gibson.

**Art Henderson:** That's why we decided to revisit every two years, it gives more people an opportunity and it can be the same person, we renominated Mr. DeLong twice, I think it's a good exercise to do every two years.

**Motion to appoint Josh Nordquist as Chairman for the next two years made by:** Bob Felder

**Seconded by:** Art Henderson

**Nigel Bain:** Mary, in the past you've raised your hand, are you still interested in the role?

**Mary Korpi:** I did not put my hand up, mainly a lot of what Mike talked about, I'm not always here 100% of the time and I appreciate being in that role, but I think we need to have someone that's accessible and a lot more dependable than I'm able to be here in the Reno area.

**Unanimously approved**

**Mary Korpi:** Congratulations Josh, welcome.

**Josh Nordquist:** Thank you, I appreciate the opportunity to serve, and I look forward to it.

**Art Henderson:** Let's elect a Vice Chair also please, Mary is your term continuing?

**Mary Korpi:** Typically, it's not a vote of the Commission itself, the Chairman makes that appointment.

**John Nordquist:** We'll finalize that by the next meeting.

**C. The Discovery Museum Exhibit Proposal**

**Mike Visher:** Before Garrett starts his PowerPoint, I'd like to bring in Mat Sinclair who submitted the letter in your packet and who graciously offered up the room for our meeting. This is Mat Sinclair, Lucia and I met with him after the last meeting we had with the Commission where you all were in support of having something like the Las Vegas Natural History Museum's rock and mineral exhibit here in Reno, so we reached out and talked with Mat and he gave us a tour of the facility, we talked a little about it. Mat will talk about the Museum and their role and a little bit of how he sees this fitting in.

**Mat Sinclair:** Talked about the Discovery Museum and their history.

**Nigel Bain:** The Nevada Mining Association was approached by the Discovery Museum about 20 years ago for a significant display like the one in the Reno Tahoe Airport so congratulations, you've managed to build the facility and congratulations in recognizing that mining is a significant partner in Reno.

**Mike Visser:** How many staff do you have and how many volunteers do you have?

**Mat Sinclair:** Pre-covid numbers, we have a full-time salary staff of 21 and we have an additional 35-part timers, volunteers at our peak was around 200, unfortunately we had to shelve our volunteer program throughout COVID-19 so we're just now picking our volunteer program back up starting this summer.

**Courtney Luxford:** You mentioned you have things for kids, adults, and seniors, do you have anything for special needs kids?

**Mat Sinclair:** We do as a matter of fact, in addition to our general programming where we can integrate students and families of all shapes and sizes, we offer a program called Discover Our Way which happens on the first Sunday of every month, we open 2 hours early on those Sunday's and it is just for families having a member with an autism spectrum disorder.

**Courtney Luxford:** I would imagine a place like this would be overwhelming.

**Mat Sinclair:** Yes, really difficult for families as not all visitors are as accommodating, accepting all kinds of experiences those people have so on those days we have specially trained staffed on site and we have a totally different set of programs we put in place in terms of lighting, special effects on some of our exhibits, we turn some of those exhibits off altogether so from a stimulus standpoint it's much more of an integrated experience.

**John Nordquist:** That's fantastic.

**Garrett Wake:** Went over the budget proposal with a PowerPoint presentation showing the cost breakdown and modifications.

**Josh Nordquist:** Will it be the same company that built the Las Vegas exhibit?

**Garrett Wake:** We can't assume who will get the contract, obviously when we did this the first time around, the company that build the first exhibit said yes, if you have another exhibit throw it my way. They will definitely bid on this, but we must go out for a competitive bid.

**Nigel Bain:** Would you change anything?

**Garrett Wake:** No, I don't think so, I think it turned out really well. Marilyn over at the Natural History Museum was over the moon with it, she said it's fantastic and the hit at the museum, right now everyone that comes in comes to see it. I wouldn't change anything.

**Mike Visser:** It would just be some design improvements that it's been used, some of the hinges would be modified, the handles from the stresses on how it's being used but no real design change to the look and feel and the message being sent which is why we have such a savings. The exhibit manager here said if we can get something like that here that would be awesome. That is the proposal in front of you for consideration and again if you have any questions of Mat, I can bring him back in to discuss.

**Josh Nordquist:** As far as budget goes do, we have the funds that these funds will be allocated from?

**Mike Visser:** You'll see that there are no issues, if you want to wait until after and then revisit this, we can do that, but I'll tell you right now we don't have any issues.

**Motion to approve the proposal for the Discovery Museum Exhibit for \$49,499.00 made by:** Nigel Bain

**Secoded by:** Mary Korpi

**Art Henderson:** Is this proposal to approve this budget or is it for proposal going out for bids? What are we voting on here to get bids or to approve the budget that was presented today?

**Mike Visser:** The proposal would be to move forward with soliciting a vendor to fulfill the proposal at the recommended amount \$49,499.00.

**Bob Felder:** If a bid comes back at \$58,000, we'd have to revisit that?

**Mike Visser:** Yes, the way the bids are not to exceed so for us to accept it, it must come in provide us what we want for that amount or less, but we feel confident that the vendor for the Las Vegas exhibit can do that.

**Anthony Walsh:** I feel comfortable the way the action item is written so for meeting purposes we're covered there.

**Mike Visser:** Okay, great, thanks Tony. Are you okay with that Art?

**Art Henderson:** Yes, I just wanted to understand it. I'm in favor of all of it.

**Josh Nordquist:** I was thinking about all the times my family and I have spent here; I've brought all 3 of my kids to this museum, I've taught them all about mining and earthquakes, there's an earthquake table upstairs that everyone jumps on it. Ormat additionally contributed to the museum when it started and there's a small geothermal connection up there and can always be improved but I think it's impactful, I've been here many times.

**Unanimously approved**

**Josh Nordquist:** I'm assuming by next meeting we'll hear the status of that?

**Mike Visher:** We should be at the point where we may have selected a vendor by then depending on the timing. The initial goal was to have it completed in this fiscal with a delivery of next spring which turns out to be really good for the museum, they're going to be unveiling a new Tesla exhibit here as well in the spring, so it dovetails well with the timing of that. That's the anticipated timeline.

**Josh Nordquist:** Sounds promising.

**D. 2021 Northern Nevada Earth Science Education Teachers Workshop**

Rob Ghiglieri gave a review through a PowerPoint presentation and went over the goals and challenges they've come across and are working together with the Nevada Mining Association.

**Mike Visher:** The packet also includes the survey responses which you can see all the positive comments and the Nevada Appeal put out a news article on the workshop, we got some nice press out of it and the Elko Daily also included an article in their newspaper on the event. Joe, do you have anything to add to what Rob just said?

**Joseph Riney:** I'm representing the Education Committee and I would echo what Rob had to say, it's a fabulous partnership between the Association and the Division. It's a great opportunity to highlight industry as well as outreach to teachers. For teachers, it's really eye opening to them, at the end of the day they do not pay for anything, we actually pay for their credit as well, in Clark County they have to pay \$15 for a credit so we have the Clark County School District bill us directly. We completely value the partnership; we could not do it without the Division so we're really glad to have that partnership. These guys are all rockstars!

**Josh Nordquist:** Interesting challenges though rebuilding the voluntary workforce. I'll leave it to the question how can we help? What actions can be put together to support that?

**Rob Ghiglieri:** The key thing with that is if you know anyone who actually wanting to join the committee, it is a time commitment for mainly 2 weeks a year and then there's an hour to 3-hour meeting depending on if it's right before the actual workshop or not, about 8 times a year and those were held at the Nevada Mining Association's office on Mondays since then we're doing everything virtual we'll probably start doing the hybrid in the future, the hybrid will help out because one of the hardest things in industry is most industries are in Winnemucca or Elko and for them to make a meeting on Monday morning it's very difficult so we think having the ability to have hybrid solution for the future meetings the help industry to participate more would be great. The people we're looking for are people who are familiar with industry, with geology, we have a lot of geologists with the Division of Minerals but it's great to have a mine engineer, metallurgist, and environmental permitting person, that kind of stuff so they can bring a difference approach to the workshops and for new generating ideas.

**Joseph Riney:** We've had people on the committee who've been there for 25 years because they see such great value in what we do.

**Nigel Bain:** When is the coming workshop, Garrett? When and where?

**Rob Ghiglieri:** The next workshop will be in April 2022 at Faith Lutheran School in Las Vegas and the next meeting is August 10, 2021, at 10:00 a.m. and I can get you a link if you're interested. It is a virtual meeting that Allison Anderson put together, she's the one that sends all the meeting invites out. Terry Jennings who was at Kinross in Round Mountain for a long time he is currently the Chairman of the committee. He brings a great resource to us.

**Mary Korpi:** About 20 years ago there used to be a huge commitment at the senior level that they would support education and not just writing a check, it means showing up. Has there just been in a change in attitude? That's taken place at that expectation when you're not rewarded for doing that

**Joseph Riney:** I believe there isn't enough follow through, we're working on ways to improve that, Mike Visher came to the last Board of Directors' meeting and gave a great presentation, and they really heard the ask, the need for industry help. I do think there will be an improvement coming with that.

**Mike Visher:** It does take a time commitment from the company because at the time of the workshop you lost a resource at your mine site, so do you have someone that can work that during that week and that support has to be from the top down and it has to be built into the system and a lot of the mine sites run really lean and mean and the backup just isn't there. We really need someone that's committed, that will participate all the way through the process and help bring in new perspectives so it's not the same year after year and we do have a lot of repeat customers, they love the workshop, but we need to rebrand it, reapproach it and how do we get more teachers in with more enthusiasm. Everybody who is doing this is extremely passionate about the task at hand. We don't want someone that's coming because they're told they have to, that doesn't work, it has to be somebody that's available and supported by management, it's going to have to be funded because they're being taken away from their job during that time, whether it's a 2-hour meeting on Zoom or whether it's a weeklong or less 4- or 5-day commitment to the workshop in Vegas. I think they got the message; we'll see what happens and we're also meeting with Annie Huhta at Mackay to figure out some ways we can bring Mackay in as well as some of the contacts they have and add some of the educational components they have developed separate from this to incorporate those as well.

**Josh Nordquist:** Are there other programs like this in neighboring states?

**Joseph Riney:** We're actually the leaders when it comes to this. Arizona has a pretty phenomenal program but it's a much different program, they have a full time person to go into the classrooms, Utah has contacted us in the past, California and Oregon come to the workshops to see how we do it even Montana has attended, we've collaborated with Alaska, they have a fantastic program that is very similar, we pulled some notes from them and they've pulled from us, but when it comes down to doing these hands on mineral workshops everyone's looking at us.

**Nigel Bain:** I would add to what Mike said, some of the passion is from people realizing the impact that they're making for the industry, the industry has gone through pretty difficult time with this tax initiative, the industry is up against a tidal wave of thought and for me it was shocking how easy how it was to change some peoples' minds on what Nevada mining does for Nevada and including Las Vegas or Clark County and Reno, Sparks, Carson City.

**Rob Ghiglieri:** To add on to what Nigel said it's amazing to see in the Las Vegas workshops the teachers that have a zero idea that they have a gypsum mine, silica mine or a limestone mine literally within a 30-minute drive of where they live, they have no idea, and the tours open their eyes to it and understanding and appreciating it a lot more.

**Nigel Bain:** Same can be said about the geothermal and fossil fuel side.

**Art Henderson:** The hydraulic fracking presentation that was made was a very good one, I don't think we're going to be able to change a lot of people's minds about hydraulic fracking but it's a good exhibit, so I was very happy when they included that in the education activities.

**Bob Felder:** I'm also on the Board of GSN Foundation which its mission is to fund earth science education. In the last 2-3 years we've had a big drop off in teachers applying for money for fieldtrips K-12, it seems weird because they have great outcome and feedback. I'm wondering somehow the foundation and this program get a little bit better aligned or something or make it work better for everybody.

**Rob Ghiglieri:** Allison Anderson and I discussed incorporating GSN more, there's some great young geologists that are highly involved with it.

**Bob Felder:** There also might be a better opportunity to engage some volunteerism.

**Rob Ghiglieri:** And we can bring something up like that.

**Lucia Patterson:** When I'm in classrooms I mention that a lot, I'm just wondering if it's hard to incorporate that in.

**Bob Felder:** It seems like it's the same teachers every year and nobody is saying it's free money, like we usually support the cost of the bus to go on a field trip and we might have a volunteer that helps with the education

side of it but it's been dropping off which is odd so there might be away to increase engagement by getting aligned by these programs.

**Joe Riney:** I have a guess as to why that drop off is occurring, I think that comes back to DD LaPointe having retired. She was always speaking about it and bringing it up and reminding teachers and always running point when it came to that, and it aligns with her illness, but we can certainly do a better job at reminding teachers.

**Mike Visher:** So that opportunity needs to be on a flyer in a bag so that they know about it so it's something that they get in hand.

**Bob Felder:** We probably need somebody on the Foundation Board to step in and do what DD has been doing.

**Mike Visher:** We just wanted to provide an update to that topic as it's also a segue to the next agenda item which is an action item for you to consider.

**E. Request for support for the Nevada Earth Science Teachers Workshop**

Mike Visher mentioned this is part of the approved budget already and built into our biennium budget, but we do make this a formal approval by the Commission to authorize these funds and the request letter is in the packet so we're looking for a formal approval.

**Motion to approve the \$15,000 per year for a period of two years made by:** Mary Korpi

**Seconded by:** Nigel Bain

**Unanimously approved**

**F. 2020 Annual Status and Production Overview**

Lucia Patterson went over a PowerPoint presentation regarding the 2020 Nevada Mineral, Oil and Geothermal Production.

**IV. OLD BUSINESS**

**A. Legislatively Approved 2022-2023 Budget and 2021-23 Budget Forecast**

Mike Visher went over a PowerPoint presentation on mining claim revenue by month, reserve balance by week for FY17-FY21, and the 2020-2023 budgets and forecasts as of 7/14/2021.

**Art Henderson:** I have a comment, in looking at the expenditures on 2022-2023 and show to be around 2.8 million dollars so I just want to remind everyone that the reserve is in excess of the guidance. The guidance is 1.2 million but we base that guide on roughly on six months reserve so we have a big increase in expenditures so we may want to look into increasing that guidance possibly to 1.4 million in the future to keep our six months' reserve.

**Mike Visher:** Good point Art, is this something you would like to do on the agenda for the next meeting?

**Art Henderson:** Well, that's up to the new chairman, I'll leave it to him but it's just a comment that I don't like to show so much money in excess of our guidance and our guidance being based on number from previous years we should consider increasing the guidance for the increased in expenditures, just a comment from my point of view.

**Josh Nordquist:** The reserve amount is not just for expenditures but also having additional funding available.

**Art Henderson:** The reserve amount of 1.2 million was based on 50% of the expenditures because that six-months expenditures.

**Mike Visher:** It increased but we're budgeted for expenditures through for the additional AML enhancements that were anticipated to go for 2 years as discretionary bites to pull things down to kind of reset things but not necessarily ongoing, so I think that's part of the discussion is do you see these continuing longer than the initial approval by the Commission so are they ongoing and if they are ongoing then they probably ought to be considered for the reserve guidance.

**Art Henderson:** Or in general we say the reserve guidance, maybe instead of putting a number maybe we could consider saying it's 50% of the reserve budget for those years because I think our concern has always been at the end of the year and there's a lot of money especially if somebody may want to take that for some.

**Bob Felder:** I have a question about out-of-state travel, I forgot where we left things off, I know you went to Vancouver for Round-Up are we still on a wait list to be able to go up there? Because it's not in the budget I noticed.

**Rob Ghiglieri:** It should be.

**Mike Visher:** If it's not, it's supposed to be, if I didn't call it out

**Rob Ghiglieri:** It's built into it. We did a virtual in 2020 to make sure we had it for 2021, this year they did a save the date that it's going to be a hybrid in-person/virtual so we're kind of waiting to see more details before we commit to one or the other.

**Mike Visher:** That cost is in there, it's just not notated in the description.

**Rob Ghiglieri:** The NAAMLN conference will be after this fiscal year it will be a net zero.

## COMMISSION BUSINESS

### A. Review of staff monthly activity reports

**Mike Visher:** These are just provided to the Commission to review in advance of the meeting and if you have specific questions, they can ask the staff or if not, you can ask me, it's really just a means to remind you of what was done on a monthly basis. The June information has not been emailed to you; this is the first time you'll get to see it as it was done just before we put the packets together so if there's any questions with regards to the activity report to ask staff now's your chance.

**Josh Nordquist:** I'll reach out to you later.

**Mike Visher:** We get a lot done and our open data site continues to be a very well used source and Lucia continues to find ways to make it new and improved and more efficient and ways to get more done with less amazingly and it will continue to be our go-to for valuable information on timely events and things that are pertinent to industry so that they can comment on issues at hand. We keep getting comments "I can't believe you have all this stuff".

B. Next Commission meeting tentatively set for Wednesday, October 27, 2021 with a tour on Thursday, October 28, 2021.

## COMMENTS BY THE GENERAL PUBLIC

Garrett mentioned the McCaw School of Mines is hosting an October-themed event this year, they do a small-scale event every year, a lot of families and stuff, we've partnered with a nationwide organization this year we're looking to bring in additional revenue resources, we kind of rely on the mining industry but we want to diversify more, so this is one way of doing this. We're planning on the whole month of October having an event, if any of you are in town I encourage you to stop by I can get you into a haunted mine for free, we've had over 100,000 visitors come through our gates in 2018, most were 4<sup>th</sup> grade students this is one of very few places in Southern Nevada where kids are taught about the importance of minerals in our society other than the Division of Minerals and the Natural History Museum. If you want to support something like this in Southern Nevada, we will plug GSN if you give us flyers, that would be perfect, we also see thousands of kids every year and they leave learning about the importance of minerals they're always looking for additional source of revenue, donations, etc. just let Garrett know.

## ADJOURNMENT

3:00 p.m.

### **III. NEW BUSINESS**

### **III. A Reserve Guidance Recommendation**

CMR-Division of Minerals - 2020-2023 Budgets and Forecasts (as of 10/15/2021)								
Revenue								
GL #	Description	FY20 Actuals	FY21 Actuals	FY22 Budget	FY22 YTD	FY22 Forecast	FY23 Forecast	Remarks
2511	Balance Forward Previous Year	1,597,307	1,871,712			2,585,143	2,146,132	
3578	BLM Cooperative Agreement	158,469	202,473	94,092	0	100,000	100,000	BLM grant funding AML work. \$200k grant awarded 9/6/21
3580	USFS Assistance Agreement	10,772	28,039	10,772	0	9,279	0	USFS assistance funding AML work (Current agreement expires in 2022)
3654	Oil Production Fee	37,907	20,508	37,907	2,490	25,735	34,116	\$0.15 per bbl fee for oil production annually (\$0.05 from 12/20 - 10/21)
3717	Oil Permit Fees	3,300	2,500	3,300	2,200	2,500	2,500	Permit fees for new oil and gas wells
3718 & 3727	Mining Claim Fees	2,114,150	2,411,550	2,114,150	364,120	2,114,150	2,114,150	Mining Claim fees @ \$10/claim filing, assume \$2.2M for FY21 then FY20 actual for FY22/23
3736	Geothermal Fees	160,800	143,850	160,800	1,600	143,850	143,850	Annual fee and permit fees for geothermal wells and permitting
3740	Dissolved Mineral Resource Fees	0	0	2,000	4,000	4,000	4,000	Permit fees for DMR (lithium brine) well permits
3770	Surface Disturbance Fee (AML)	81,740	102,180	81,740	0	80,000	80,000	\$20 per acre fee for new mine surface disturbance, 12-year avg.
4011	Copy Machines - Sales to Public	27	15	27	0	15	15	Copying charge for Public Records Request
4027	Publication Sales (AML signs)	1,210	1,556	1,210	486	1,556	1,556	AML signs sold at office
4311	Medallion Royalty Fee	1,304	788	1,304	0	788	788	Fee for minting of medallions with State seal remitted to NDOM
4326	Treasurer's Interest	40,990	12,998	40,990	0	12,998	12,998	Interest we receive for money deposited with Treasurer
4620	Transfer from Recl. Bond Pool	80,793	63,695	80,793	0	63,695	63,695	Fee from Bond Pool for NDOM Management
4669	CARES Act Reimbursement		10,320			0	0	Federal funds used to offset pandemic related expenditures
	<b>REVENUE TOTAL</b>	<b>\$4,288,769</b>	<b>\$4,872,185</b>			<b>\$5,143,709</b>	<b>\$4,703,801</b>	
Expenditures								
CAT #	Description	FY20 Actuals	FY21 Actuals	FY22 Budget	FY22 YTD	FY22 Forecast	FY23 Forecast	Remarks
01	Personnel (Sal.,WC, PERS,OT)	1,180,536	1,156,212	1,296,101	291,731	1,336,101	1,372,893	FY22/23 is as in Leg-Approved Budget plus \$40k (OT) plus \$30k retirement payout ('23)
02	Out-of-State Travel (Staff, CMR)	18,097	0	23,365	2,205	23,365	21,228	Includes PDAC (3), AEMA (3), NAAML (2), FY22/23 as in budget
03	In-State Travel (Non-AML)	7,777	2,084	12,049	688	12,049	12,900	Travel, lodging and per-diem within State, as in budget
04	Carson Operating Expenses+Equipment	117,537	95,031	112,893	50,420	112,893	113,134	Rent, Operating supplies, as in budget
05	Equipment	4,875	0	1,297	0	1,297	1,706	Desks, chairs, as in budget
08	CMR Travel (In-State)	3,356	422	7,128	410	7,128	7,128	As in Budget
09	Special Projects (Mackay, NBMG)	154,226	209,936	137,207	0	231,500	144,200	FY22/FY23 \$97.2k (NBMG), \$27k (PDAC), \$5k (AME), \$15k (NvMA Ed), \$37.8k (FY22 only NBMG-RRV), \$49.5k (FY22 only Discovery Exhibit)
14	Las Vegas Operating Expenses	43,032	32,667	36,708	21,128	36,708	37,570	FY22/23 as in budget
17	Fluid Minerals	8,352	7,583	11,981	4,473	11,981	11,983	Field expenses for OGG and DMRE, as submitted in State Budget
18	AML Support (per diem, trucks, fuel, AML supplies and travel, SOSA supplies)	140,935	146,764	195,179	44,046	195,179	197,017	8 summer interns and 3 winters FY22/23; FY22/23 as in State Budget, includes one new truck each year
25	CARES Act Expenditures		10,320			0	0	
26 & 82	Computer and IT	14,380	43,754	29,839	7,794	37,499	35,871	Computer hardware/replacements; EITS services and support; includes pending WP additions
30	Training	4,151	4,721	7,092	175	7,092	7,092	ESRI and other training
39	AML Enhancements(contracts, equip.)	740,135	481,463	894,092	49,296	894,092	800,000	Contracted AML closure and related work. Work not completed in '21 pushed into '22
87 & 88 & 89	Cost Allocations (State, Purchasing, AG)	41,536	96,085	90,693	28,890	90,693	71,998	Purchasing assessment, AG cost allocation, State cost allocation
	<b>EXPENDITURE TOTAL</b>	<b>\$2,478,925</b>	<b>\$2,287,042</b>			<b>\$2,997,577</b>	<b>\$2,834,720</b>	
86	Reserve - Balance Forward to Next Year	\$1,809,844	\$2,585,143			\$2,146,132	\$1,869,081	
		\$609,844	\$1,385,143			\$946,132	\$669,081	Reserve Amount in excess of \$1,200,000 guidance
		\$570,382	\$1,441,622			\$647,344	\$451,721	Reserve Amount in excess of "50% of Expenditures" guidance
								Recommendation to change reserve guidance to 50% of budgeted expenditures to better reflect 6 months operating expenses

## **III. B Review of 2021 AML Program**

# NDOM – AML PROGRAM 2021 FIELD WORK UPDATE

Sean Derby  
AML Chief

Commission on Mineral Resources Quarterly Meeting  
October 27, 2021



# TOPICS



HARD CLOSURES AND  
SAFEGAURD CONTRACTS



INVENTORY, CULTURAL, AND  
GEOLOGICAL CONTRACTS



INTERNS



# HARD CLOSURE AND SAFEGUARDING

---

Linka Mine, (BLM) Lander County – 7 sites

---

Aurora District Hard Closure, (USFS) Mineral County – 16 Sites

---

Northern BCC Repairs, (BLM) Carson City, Churchill, Douglass, Lyon, Washoe County – 15 Sites

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Southern BCC Repairs, (BLM) Clark County – 16 Sites

---

Gillis Range Safeguarding, (BLM) Mineral County – 156 Sites

---

Potisi, (USFS) Clark County – 8 Sites

---

Arden, (City of Las Vegas, BLM) Clark County – 5 Sites

---

US 95 Safeguarding, (BLM) Esmeralda Mineral County – 60 Sites

---

Nelson, (BLM) Clark County – 26 Sites

---





# INVENTORY

- Helicopter Survey in Mineral and Esmeralda County  
~ 1800 Non – Hazards Logged ~ 40 Hazards Logged
- Contractor Inventory of Gillis Range, Mineral County  
~ 170 Non – Hazards Logged ~ 36 Hazards Logged
- Southern NV Revisits  
~ 81 Revisit



# CULTURAL & GEOLOGICAL

## Broadbent & Associates

- Pine Nuts – 70 Sites completed
- Olinghouse – 81 Sites in progress
- Twin Buttes – 6 sites in progress

## McGinley & Associates

- Pine Nuts – 70 Sites in progress



# INTERNS



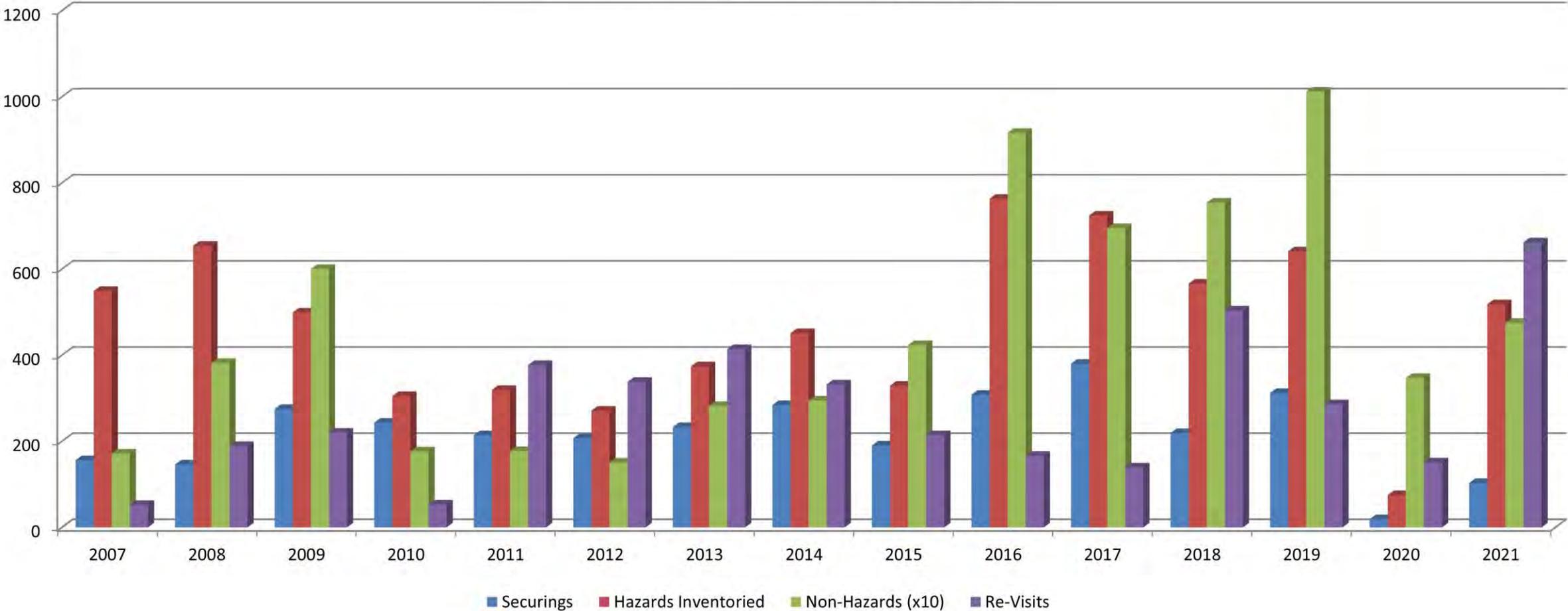
~ 147 Logged

~ 4751 Non – Hazards Logged

~ 662 Revisited

~ 128 Secured

### Summer Interns Statistics 2007-2021



### **III. C Consideration of AML Program Enhancement Projects**



# AML Enhancement Options

Rob Ghiglieri & Sean Derby

Commission on Mineral Resources Quarterly Meeting

October 27, 2021

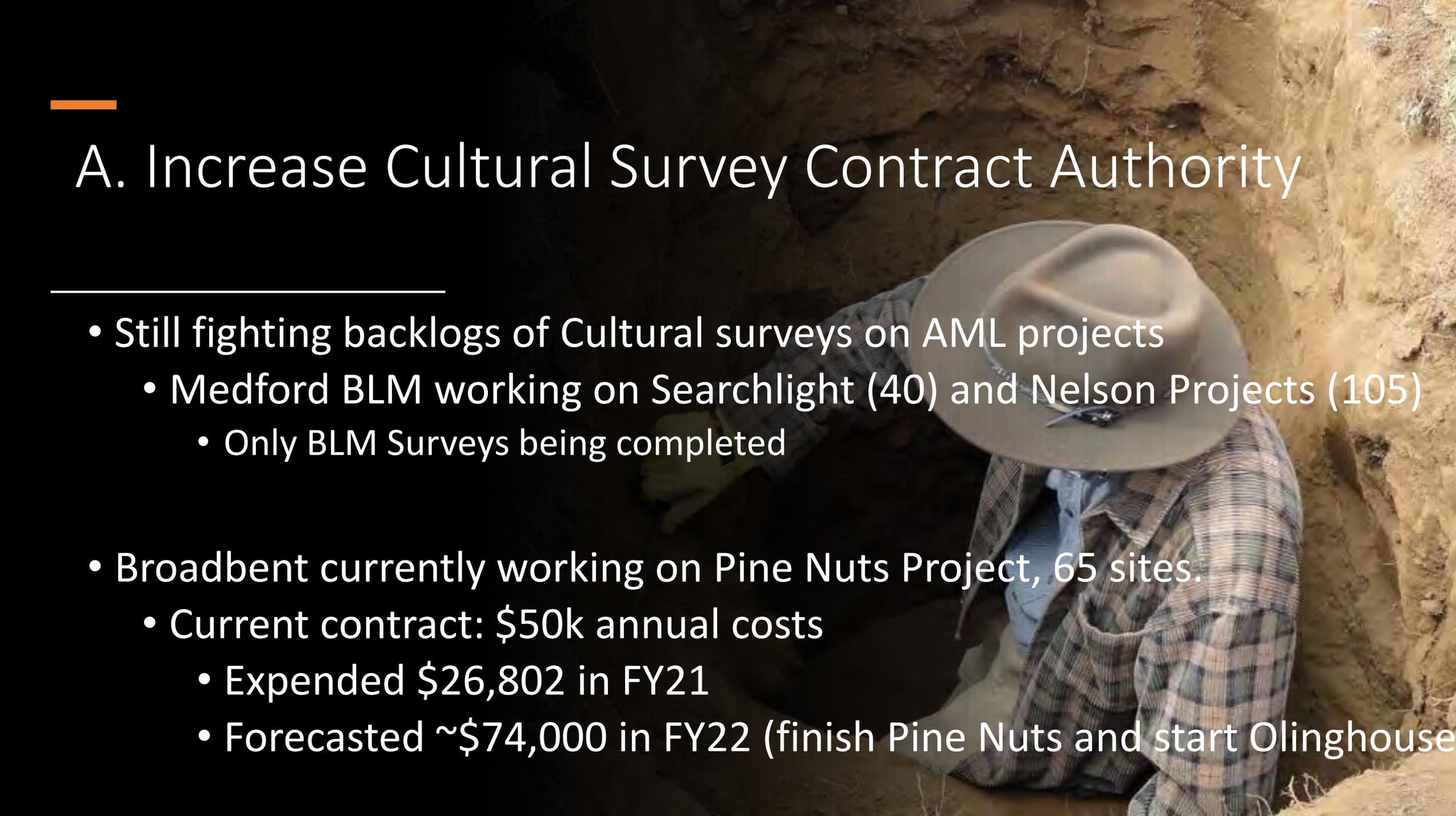


# Options

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- Increase Cultural Surveys
- Social Media Campaign
- Billboard Campaign
- Second UTV
- Helicopter Contract





## A. Increase Cultural Survey Contract Authority

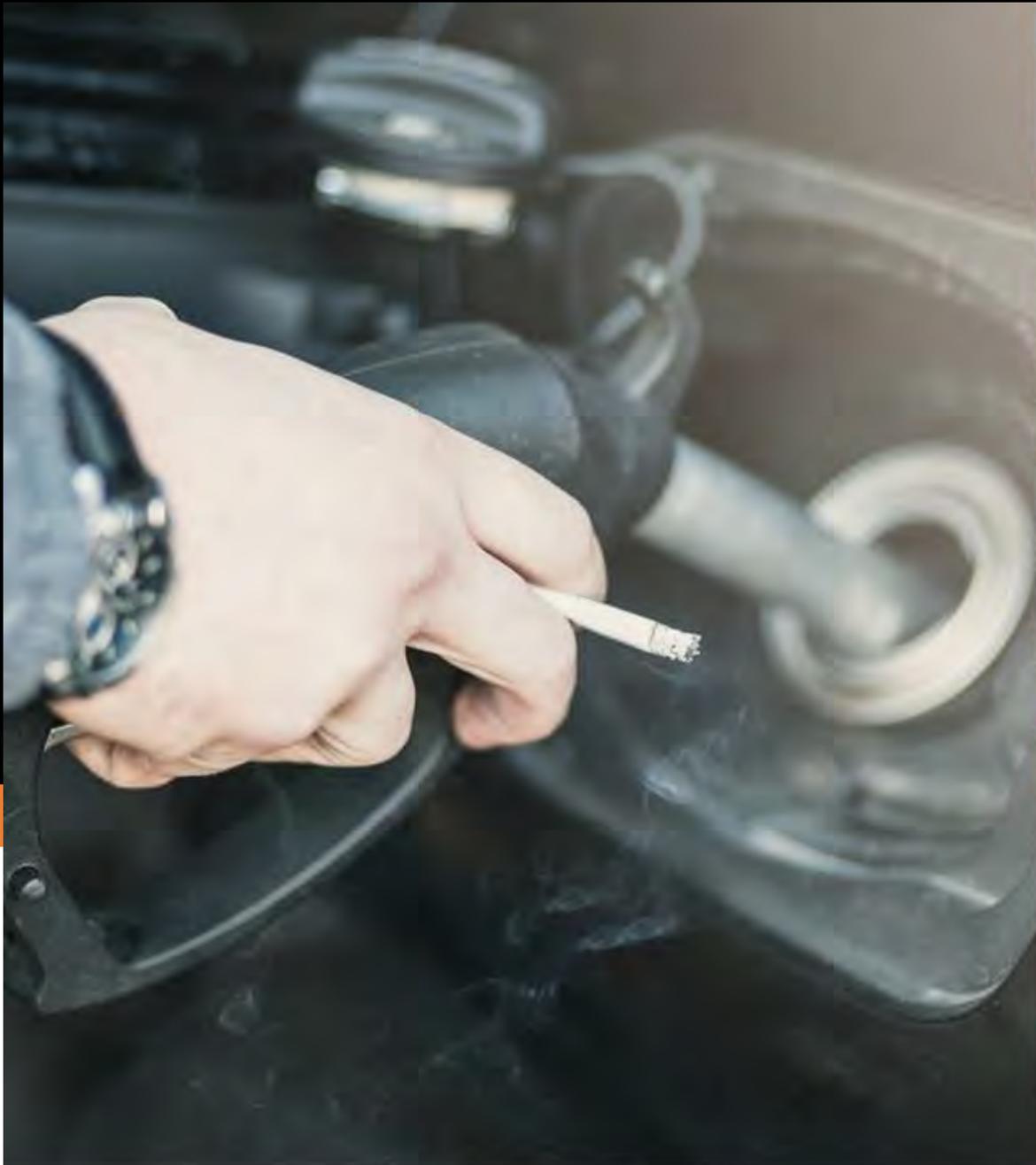
- Still fighting backlogs of Cultural surveys on AML projects
  - Medford BLM working on Searchlight (40) and Nelson Projects (105)
    - Only BLM Surveys being completed
- Broadbent currently working on Pine Nuts Project, 65 sites.
  - Current contract: \$50k annual costs
    - Expended \$26,802 in FY21
    - Forecasted ~\$74,000 in FY22 (finish Pine Nuts and start Olinghouse)



# A. Increase Cultural Survey Contract Authority

- Additional BLM funding available
  - Next projects
    - Olinghouse (81, Washoe County)
    - Twin Buttes (5, Pershing County)
    - Ely Round 2 (55, White Pine County)
    - Aurora Round 2 (30, Mineral County)
    - Egan Canyon (40, White Pine County)
    - The Divide (115, Esmeralda and Nye counties)
    - Crescent Peak (85, Clark Counties)
- Request
  - Increase Cultural Survey Contract Authority by 100% - 150% to increase surveys by 100-150 sites per year

B





## B. SOSA Digital Outreach Strategy

---

Recommended Budget for SOSA Digital Strategy – up to \$120K

- Covers all target audiences, all agency fees, and ad buys
- Target audience includes:
  1. White and Hispanic youths (age 14-24)
  2. Tourists interested in extreme, high-action outdoors activities
  3. Local Nevadans pursuing or likely to try extreme outdoors activities
- In addition to tracking standard digital metrics such as CPM (cost per 1,000 impressions), completed video views, social media shares, we can layer in additional action metrics such as pledges, sign-ups for more information on safety, etc.  
This includes 1 x :30 second Online Video for Web / Digital, 7 x :06 second films for Social Media

# B. SOSA Digital Outreach Strategy

## Why and How is Programmatic Advertising Effective?

### *Person clicks on website*

A user clicks on a YouTube channel, scrolls through their Instagram feed, or visits Nevadasagebrush.com

### *Website Auctions Impression*

A user's impression (whoever clicked on the website) shows whether their previous traffic makes the Stay Out, Stay Alive content.

### *Advertiser Bids on Impression*

Based on their historical surfing data and online profile, the bid served for your impression will be higher.

### *Highest Bidder Wins Impression*

A computerized platform facilitates the transaction on the ad exchange.

# B. SOSA Digital Outreach Strategy

## Why and How is Programmatic Advertising Effective?

### *SOSA Delivered on Website*

The content is delivered to the appropriate YouTube channel, Instagram feed or Nevadasagebrush.com.

### *The User Views / Clicks on Website*

The user (targeted for online trends and behavior) views the content on YouTube, Instagram or Nevadasagebrush.com to Stay Out, Stay Alive.

- With Programmatic Advertising AML purchases ad impressions on publisher websites, which allows us to target audiences through location, age, previous online behavior and more.
- Entire process happens in an instant.
- Competing bids are calculated by algorithms and a host of analytics to automatically determine the most cost-effective bid.

# B. SOSA Digital Outreach Strategy



Content	Digital Strategy 1 1 Target Group   \$30 K	Digital Strategy 2 3 Target Groups   \$50K
Execution 1 Animation / Stop Motion Stills + Socials \$40K	\$70K	\$90K
Execution 2 Short OLV + Stills + Social \$70K	\$100K	\$120K

- Timeframe – 6 weeks to develop ad content, targeting runs for 1 month with option to continue
- Ad content goes on to be used in student outreach, flyers, teacher workshops, future targeting
- Agency recommends 120K package - Reaching maximum number of people, greatest opportunity for feedback, refine message as needed, potential for valuable data collection to refine AML Ranking system



## C. Billboard Campaign

- Current Tonopah Billboards - \$400 per month
- Targeted areas of new billboards
  - Reno - \$3,250 a month
  - Elko – \$1,500 a month
  - Las Vegas - \$3,500 a month
- Using existing content or newly developed content
- form proposed SOSA Digital Outreach Strategy.
- Sign fabrication, installation, and seasonal rental at two prime locations – \$45,000 annually



**Abandoned  
Mines Kill!**

**STAY OUT!  
STAY ALIVE!**



## D. Second UTV - Las Vegas Office

### Current UTV

- Developed a safety program for the UTV
- Used by NDOM Northern staff for field work outside of Interns
  - Will be incorporated with interns of the next year
- Saves significant wear and tear on the trucks
- Safer for accessing hard to get to locations

### New UTV for Las Vegas

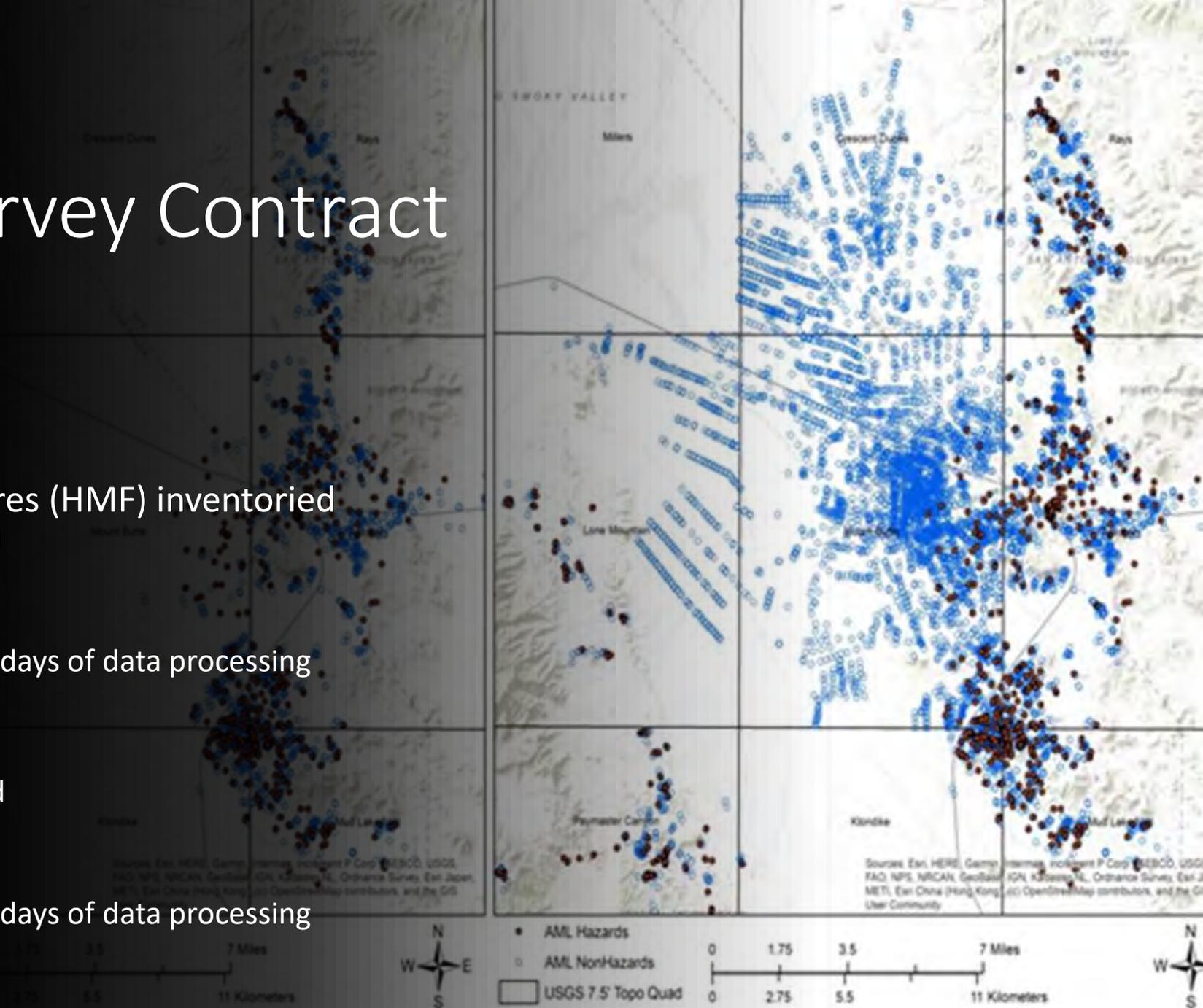
- Total purchase cost = \$27,000
  - Includes UTV, Safety equipment, Modifications, Trailer

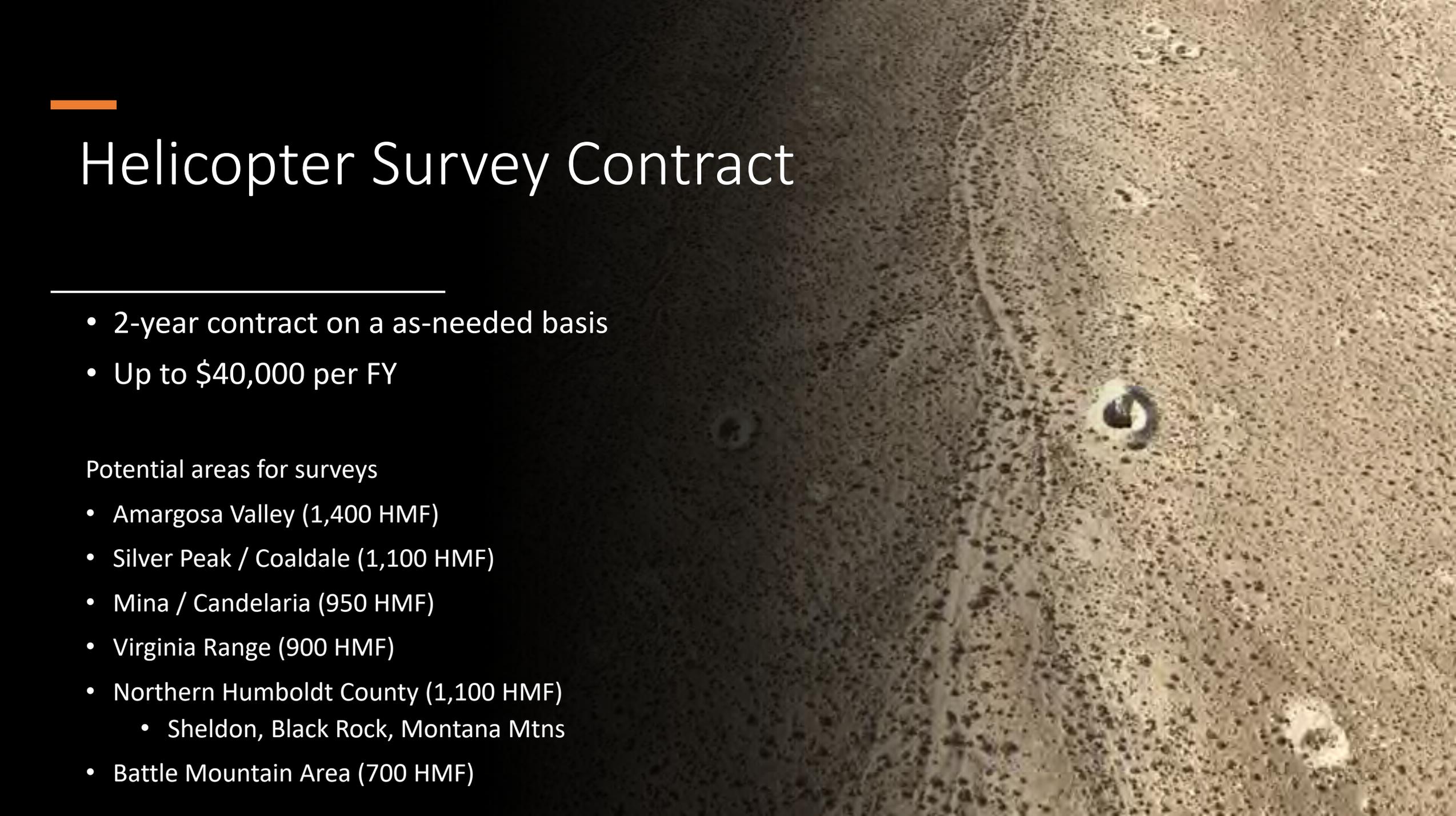


# D. Helicopter Survey Contract

## Two helicopter survey projects

- Tonopah Project (2019)
  - 4,370 Historic Mining Features (HMF) inventoried
    - 38 AML hazards inventoried
  - 150 square miles
  - \$9,650
    - One day of flying and a few days of data processing
- Pole Line Road Project (2020)
  - 2,800 HMF inventoried
    - 40 AML Hazards inventoried
  - 175 square miles
  - \$8,748
    - One day of flying and a few days of data processing





# Helicopter Survey Contract

- 2-year contract on a as-needed basis
- Up to \$40,000 per FY

## Potential areas for surveys

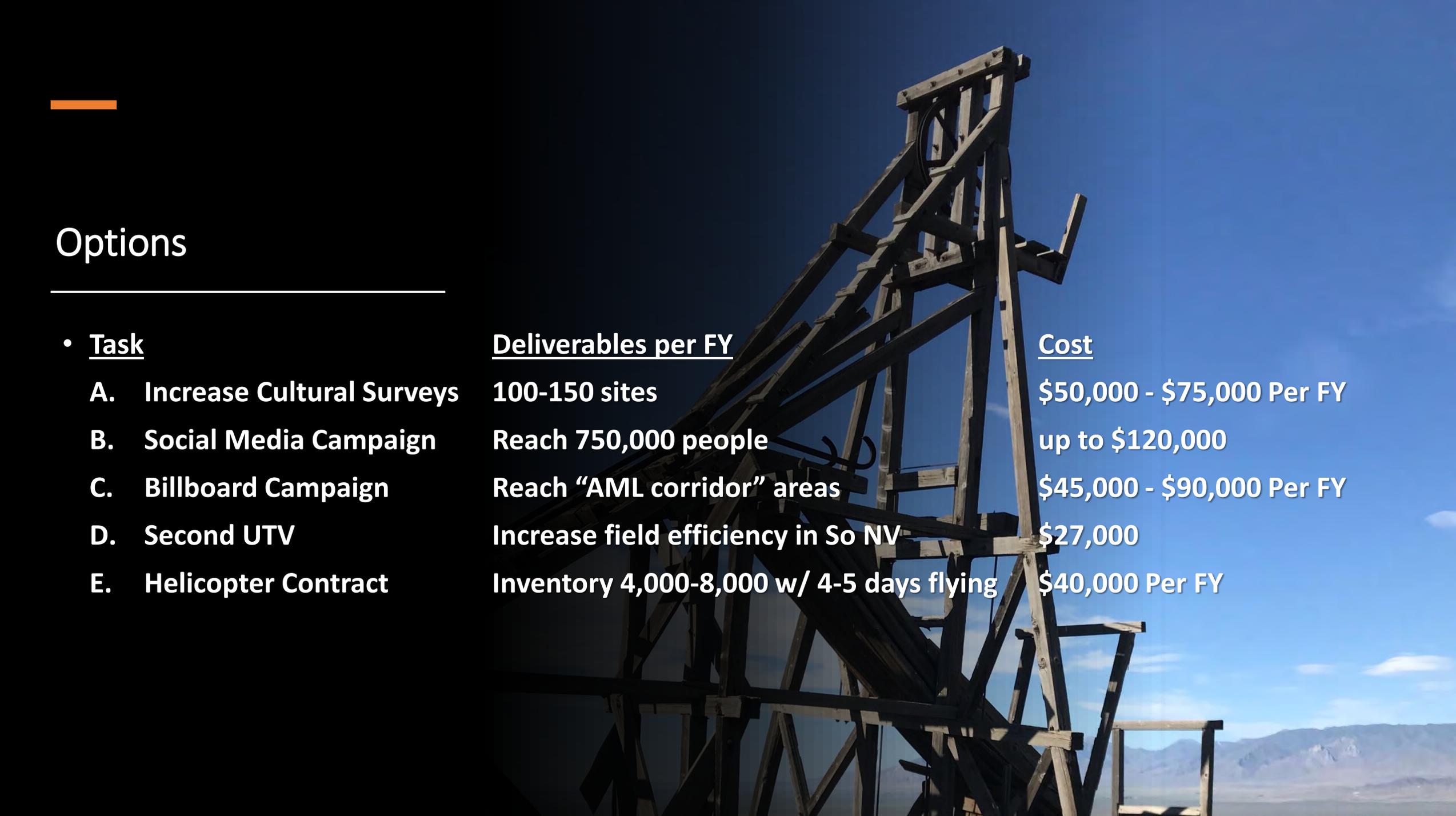
- Amargosa Valley (1,400 HMF)
- Silver Peak / Coaldale (1,100 HMF)
- Mina / Candelaria (950 HMF)
- Virginia Range (900 HMF)
- Northern Humboldt County (1,100 HMF)
  - Sheldon, Black Rock, Montana Mtns
- Battle Mountain Area (700 HMF)



## Options

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<u>Task</u>	<u>Deliverables per FY</u>	<u>Cost</u>
A. Increase Cultural Surveys	100-150 sites	\$50,000 - \$75,000 Per FY
B. Social Media Campaign	Reach 750,000 people	up to \$120,000
C. Billboard Campaign	Reach “AML corridor” areas	\$45,000 - \$90,000 Per FY
D. Second UTV	Increase field efficiency in So NV	\$27,000
E. Helicopter Contract	Inventory 4,000-8,000 w/ 4-5 days flying	\$40,000 Per FY



**AML Enhancement Options and Impacts to Reserve Amount  
(Using 50% of Expenditures for Reserve Guidance)**

<b>Options</b>	<b>FY22 Reserve Above Guidance</b>	<b>FY23 Reserve Above Guidance</b>
None	\$647,344	\$451,721
A (\$50k)	\$572,344	\$326,721
B (\$120k)	\$467,344	\$331,721
C (\$45k)	\$579,844	\$339,221
D (\$27k)	\$606,844	\$424,721
E (\$40k)	\$587,344	\$351,721
All (A-E)	\$224,344	(\$32,779)
A, B, D, E	\$291,844	\$79,721
A, B, D, E (FY22); C (FY23)	\$291,844	\$12,221

### **III. D Review of Upcoming FY2022 Staff Travel**

# NDOM's Recent and Upcoming FY22 Travel

Event	Dates	Location	Personnel attending	NDOM Booth
Geothermal Resource Council	Oct. 5-7, 2021	San Diego	Cort	Yes
NMEC	Oct. 12, 2021	Reno	Rob, Mike, Lucia, Garrett	Table
AEMA	Dec 5-10, 2021	Reno	Mike, Lucia, Sean, Garrett, Becky, Rob	Yes
AME Round Up	Jan 31-Feb 3, 2022	Vancouver	Mike, Lucia	Yes
NAAML P Winter Meeting	Feb 22-24, 2022	Gulf Shores AL	Rob	No
PDAC	March 7-9, 2022 (in-person) March 10-11, 2022 (Virtual)	Toronto	Garrett, Rob, Mike?	Yes
TopCorp	March 28-31, 2022	Austin	Cort, Rob	No
NV Teachers Workshop (LV)	April 10-14, 2022	Las Vegas	Becky, Garrett, Debbie, Sean, new F.S.	Yes
NGIS Conference	May 4-5, 2022	Las Vegas	TBD	No
GSN Symposium	May 2-5, 2022	Reno	Mike, Lucia, Rob, Garrett	Yes
IOGCC	May 15-17, 2022	Oklahoma City	Cort, Mike	No
Elko Mine Expo	June 6-10, 2022	Elko	TBD	Yes

## **IV. OLD BUISNESS**

## **IV. A Review of the 2021 NAAML LP Conference**



# NAAMLN Conference Recap

---

Rob Ghiglieri

Deputy Administrator

Commission on Mineral Resource Quarterly Meeting

October 27, 2021



## NATIONAL ASSOCIATION OF ABANDONED MINE LAND PROGRAMS

- 32 States and Tribes
- Contract Lobbying Efforts to Interstate Mining Compact Commission
- Historically Coal AML was its emphasis
- Meets twice a year, rotating locations
  - One fall conference
  - One winter business meeting

# Conference General Agenda

---

- Welcome reception on Sunday
- Plenary session and Technical session all day Monday
- NAAML P and OSMRE awards banquet on Monday evening
- Technical tours all day Tuesday
- Off-site dinner Tuesday evening
- Technical Sessions Wednesday mornings
- Conference ends mid-day Wednesday
- NAAML P Business meeting Wednesday afternoon and Thursday
- Goal of Conference is to raise funding for NAAML P expenditures
  - ~\$32k is the goal for each state



# 2016-2020 Nevada NAAML P Conference Timeline

- September 2016
  - Volunteer to host conference
- 2018
  - Solicited venue locations and signed contract with Montbleu for September 2020
- 2019
  - Organized a planning committee
  - Started conference planning logistics
  - Signed contract with Vail Resorts for Heavenly Lakeview Lodge dinner
  - Solicited sponsors and vendors
  - Identified Technical Tours
- 2020
  - 1<sup>st</sup> Call for Papers in February
  - Start receiving sponsors, exhibitors, and registrations
  - Postponed conference in April until 2021 due to COVID-19
  - Updated all contracts to new dates without changing pricing
  - Continued planning as needed



LAKE TAHOE, NEVADA



42<sup>nd</sup> Annual Conference  
SEPTEMBER 20 - 23, 2020

*For more information & event registration  
visit [naamlp2020.com](http://naamlp2020.com)*

Contact Robert Ghiglieri to become a vendor or sponsor today!  
email: [rghiglieri@minerals.nv.gov](mailto:rghiglieri@minerals.nv.gov) phone: 775-684-7048

# 2021 Nevada NAAMLPLP Conference Timeline



- Continued planning and soliciting for sponsors/exhibitors
- April
  - Decided on a in-person only conference in 2021
- May-June
  - Sponsors and Exhibitors start signing up
  - Increase in registrations
  - Finalizing planning and technical sessions
- July
  - Decline in registration and an increase in refunds due to Delta variant
  - Multiple questions regarding wildfire smoke, COVID-19 policies, and hybrid option

# 2021 Nevada NAAML P Conference Timeline



- August 14
  - Caldor Fire Starts
- August 19
  - Announced Technical Sessions will be available virtually for a reduced rate
- August 23
  - USFS temporarily closes multiple forest in California including the Tahoe putting Heavenly dinner on hold
  - Start discussing internally options for moving to full virtual conference
- August 30
  - Meet with Whova to confirm that we could transition to a virtual conference
- August 31
  - Cancelled the in-person conference and started conversion to virtual
  - South Lake Tahoe received Evacuation orders
- September 1
  - Stateline NV and surrounding areas are included in Evacuation orders
- September 2-12
  - Converted everything into the Whova App, updated conference agenda and schedule, confirmed all technical sessions conversion to virtual and tested, contacted all sponsors and exhibitors and confirmed attendance, slept a little
- September 13-15
  - Hosted the first ever NAAML P virtual conference

# Results

- Nearly 400 attendees
  - Double anticipated in-person forecast
- 64 technical sessions given
  - Videos available for view for 6 months
- 3 tours converted into videos
- Plenary session including NAAMLPL president, IMCC, Gregory Crouch, and Tim Brown
- Awards Banquet
  - Including video with Deborah Haalan's congratulations of award winners
- Received all contract funding back
- Broke NAAMLPL revenue record for a Conference
- Received many accolades from attendees on the conference

Whova.com portal/webapp/naamil\_202109/

Whova Guides - Organizing your own event? Robert Ghiglieri

42nd Annual NAAMLPL Conference - Hosted (virtually) by Nevada Sep 13 - 15, 2021

Sponsor level Aggregate Pacific Inter-Mountain Distribution

Home

Agenda

Sessions

Speakers

Attendees

Community

Messages

Win a Prize

Exhibitors & Sponsors

Resources

Feedback to Whova

Organizer Tips

About Whova

42nd Annual Conference  
SEPTEMBER 12 - 15, 2021  
Now Virtual!  
NAAMLPL  
NATIONAL ASSOCIATION OF ABANDONED MINE LAND PROGRAMS  
LAKE TAHOE, NEVADA

Abandoned Mine Lands (AML) safety hazards and environmental issues from historic mining practices exist throughout our nation. Each region is unique in its challenges of maintaining public safety and mitigating environmental impacts at these historic sites. The NAAMLPL Annual Conference is a place to discuss and learn about AML issues, history and methods of remediation.

The NAAMLPL 2021 Conference Planning Committee included participation from the Nevada Division of Minerals, Nevada Department of Environmental Protection, Nevada Department of Wildlife, California Department of Conservation Abandoned Mine Lands Unit, Bureau of Land Management Abandoned Mine Lands Program, and the US Forest Service Abandoned Mine Lands Program.

This event is also available on the Whova Mobile App: [Download Link](#)  
You can interact with others on your phone in the app more conveniently wherever you go.

Sponsors

Activity Feed

Shawna Riddle has just taken 7th place on the Leaderboard 9 days ago  
Check my ranking

NAAMLPL 2021 Technical Sessions loaded into Whova 13 days ago  
View announcement

NAAMLPL 2021 Technical Sessions Loaded into Whova 14 days ago  
View announcement

NAAMLPL 2021 Technical Sessions Loaded into Whova 14 days ago  
View announcement

Molly Taylor just introduced themselves! 15 days ago  
Hello everyone! This is Molly Taylor from Montan...  
View ice breaker

Culvert Ball Gate Research 21 days ago  
View 2 messages

NAAMLPL Business Meeting 22 days ago  
Sep 15, 2021 at 8:30 AM PDT  
Robert Ghiglieri is inviting you to a scheduled...  
View this meet-up

Dustin Morin shared a photo 27 days ago  
Like Go to photos

# NAAML 2021 Sponsors



Gold



Silver



Copper



**Lithium**



**Aggregate**



# Thank you

## NDOM Staff

- Garrett
- Sean
- Courtney
- Sherrie

## NAAMLPL Delegation

### NDEP

- Holly Miller
- Pat Mohn

### NDOW

- Jason Williams

## BLM

- John Callan

## California AML Program

- Sarah Reeves
- Cy Oggins

- Craig Turner

## Rachel Micander

- Tahoe graphics



# COMMISSION BUSINESS

# STAFF REPORTS



**STEVE SISOLAK**  
Governor

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



**MICHAEL VISHER**  
Administrator

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

**July 2021**

**MONTHLY ACTIVITY REPORTS**

**Administrator**

1. Provided a presentation on the Earth Science Education Teacher Workshops and declining industry participation to the Board of Directors for the Nevada Mining Association.
2. Worked with IOGCC to enable attendance at TOPCORP training program for Rob and Cortney starting in March of 2022.
3. At the request of the Governor's Office of Energy, researched mine land ownership at various sites near I-80, between Fernley and Lovelock, for potential location of EV-charging stations.
4. Worked with Lucia to provide requested information on land disturbance and withdrawals to Deborah Struhsacker in advance of her testimony to the Subcommittee on Energy and Mineral Resources Hearing.
5. Reviewed Taxation's Net Proceeds of Mines Bulletin for variances with production information provided to NDOM and communicated with Taxation for explanations/additional information.
6. Updated various data sheets and graphs with value information from Net Proceeds Bulletin.
7. Reviewed submittal for reclamation award from NOV's Big Ledge Mine.
8. Meetings attended: quarterly CMR meeting and Steamboat Repower tour, IOGCC-EPA Roundtable, IMCC Regulatory updates, NASA Railroad Valley land withdrawal presentation, Greenlink West Project EIS Cooperating Agency, Mackay Education Support of NvMA/NDOM workshops, EITS-IT transition, Governor's Cabinet, Statewide PIOs, BLM Fluid Minerals team.

**Deputy Administrator**

1. Bond pool activity in July consisted of one new notice-level bond and one increase.
2. Compiled the quarterly bond pool reconciliation report for the Nevada Controllers Office; zero variance indicated.
3. Transferred \$63,695 from the bond pool account to the Division's main account as the administrative fee for managing the Bond Pool for fiscal year 2021.
4. The newest AML contract for geological analysis by McGinley & Associates was approved by the Board of Examiners. This contract will cover FY22-23 for a total cost of \$150,000. The Kick-Off meeting was held at the Carson Office.
5. Attended an onsite meeting at the Poinsettia AML Projects with the BLM and Mineral County representatives to review the closure goals of the project.
6. Continued coordinating and planning for the NAAMLP conference this September.
7. Provided basic domain, PC, and Local Area Network (LAN) IT support for NDOM staff.
8. Received the award for the National Park Service Cooperative agreement to perform 10 AML closures near Lake Mojave.
9. Finalized the L16AC00066 BLM Grant tracking sheet to close out the grant. All \$650,000 if grant funding was expended on AML projects throughout the state. A new grant is anticipated to be awarded in the next few months.
10. End-of-July financial summary of bond pool:

Reclamation Bond Pool Status Report		Current to: 8/1/2021						
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.82%		\$7,328.32	\$18,491.87	176.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.72%	bond reduced from \$244,482 4/21	\$33,715.62	\$171,375.76	307.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	24.00%		\$233,171.91	\$291,035.60	121.9%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.56%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.61%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.36%		\$39,615.03	\$50,148.06	114.8%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	24.51%		\$238,536.99	\$205,096.41	101.0%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$616,765.00</b>	<b>34.42%</b>	<b>54 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$1,791,895.39</b>					
<b>Cash in Pool's Account (From BSR - 7/30/2021)</b>			<b>\$2,459,405.23</b>					
<b>Unfunded Amount</b>			<b>-\$667,509.84</b>					
<b>Percent funded</b>			<b>137.3%</b>					

**Chief, Abandoned Mine Lands Program**

1. The 2021 AML Intern Program continued into its 12<sup>th</sup> week with interns completing logging, revisit, and securing work in Elko, Nye, Pershing, and Humboldt counties.
2. AML staff began project planning and set forth protocol for upcoming statewide geological site characterizations to be completed by McGinley & Associates.
3. NDOM and USFS finalized project details and budget for a cooperative hard closure project in the Aurora mining district in Mineral County to commence this fall.
4. AML staff responded to reported vandalism at a hazard site in White Pine County.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	23,900	19,474	81%
2021 To Date	217	379	174%

**GIS/ Field Specialist**

1. Prepared maps and data for intern fieldwork.
2. Processed intern field data.
3. Automated mining claim, notice, POO, OGG lease, and OGG drill hole data processing tasks.
4. Updated mining claims data three times.
5. Went into the field and participated in some drone flights.
6. Attended the virtual ESRI users conference.
7. Published new land withdrawal services.
8. Put together a draft of the 2020 annual status and production data and presented it at the July Commission on Mineral Resources quarterly meeting.
9. Put together an ArcPad toolbox and applet for the upcoming geologic analysis of AML hard closure sites.
10. Deployed the field data collection forms for the upcoming geologic analysis contract and OGG field inspections in Field Maps then troubleshooted some download issues with ESRI.

**AML/Fluid Minerals Field Specialist**

1. AML: Drone fieldwork and software testing at Buckskin Mine, Douglas county; continued planning for NAAML 2021 Conference and Tahoe Tour; update land research maps & files; re-writing and cleaning of script used for prioritization of fieldwork calculations.
2. Fluid Mineral Resources: Well inspections at San Emidio geothermal field; planning for GRC conference and creation of new display for exhibit booth; re-write of timeseries scripts to include geothermal injection, production, and temperature data in time series/map view outputs.
3. Education/Outreach: Kids Fair at Fourth Ward School Museum, Virginia City, 130 participants.

4. Attended: ESRI Virtual User Conference; ACOE RAMS progress meeting with TerraSpectra Geomatics; CMR tour of Steamboat geothermal field.
5. Information Security: Attended State meetings, reviewed and reported on Information Security issues affecting the agency to staff, participated in discussions concerning agency path forward for IT support from EITS.

**AML/Public Outreach – Southern Nevada Programs Manager**

1. Supervised seven AML interns over five days conducting field work in Elko County near Jackpot.
2. Toured the KGHM Robinson Mine; collected photos for the Major Mines publication.
3. Updated three NDOM agency graphics displays to be used at the MINExpo conference.
4. Created six “Nevada Mineral Education” flyers which each highlight a specific mineral or rock mined in Nevada its various uses. Waiting on data from NV Taxation to release final versions.
5. Prepared a draft RFP for the creation of a museum exhibit to be sent to NV Purchasing for review upon CMR approval of the Reno Discovery exhibit proposal.
6. Presented to the CMR during a quarterly meeting on a requested budget to create a rock and mineral display for the Reno Discovery museum.
7. Continue to maintain the NAAML P conference Call for Papers correspondence and tracking, as well as updating of the conference website.
8. Chaired a McCaw School of Mines quarterly board meeting.
9. Participated in an NDOM and NvMA teachers workshop meeting.
10. Participated in a monthly RAMS meeting with TerraSpectra.
11. Participated in an NAAML P planning committee meeting.
12. Mounted a conference room TV and installed a wireless router in the Southern NV office.

**AML/Public Outreach and Education – Southern Nevada Field Specialist**

1. Continued working on getting approval to provide credit to teachers for All About Mining: Mining for a STEAM Education virtual teacher workshop.
2. Prepared for and completed AML fieldwork with the interns with no safety incidents.
3. Prepared and completed a presentation on minerals uses, weathering, and AML at Kids R Kids Summer Camp.
4. Worked on AML land research for White Pine County.
5. Assisted Sean in finalizing plans for El Nino UG mine tour for interns.
6. Prepared for AML fieldwork with interns in August.

**Fluid Minerals Program Manager**

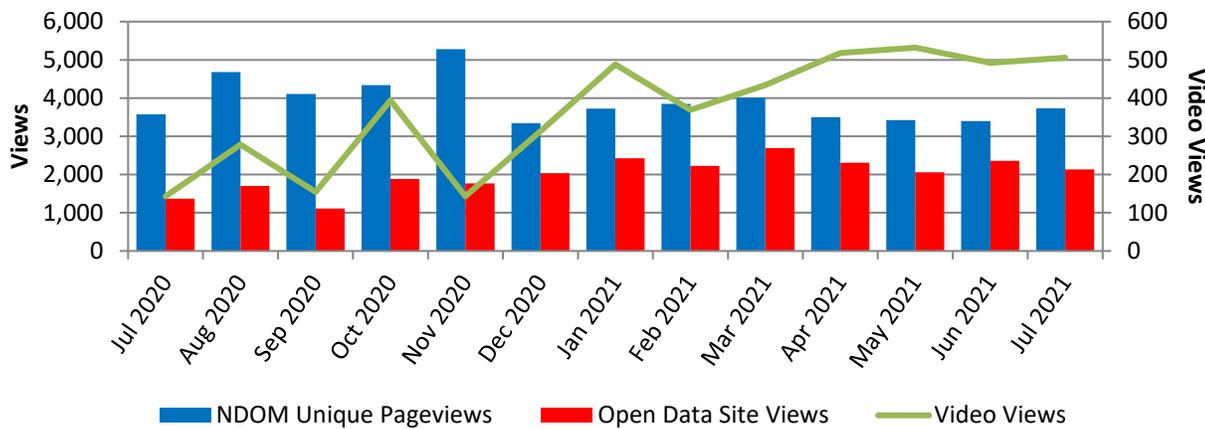
1. No geothermal and one oil permit was issued in July. The Grant Canyon Oil and Gas Three Bar 6R is a re-entry into an existing plugged and abandoned well in the Three Bar Field in Eureka County.
2. Fifteen geothermal and three oil permits are active but have not yet been drilled. NGP Blue Mountain 1 has two permits. Ormat Nevada has nine geothermal permits, five at Wild Rose, three at Crescent Valley, and one at Dixie Meadows. Open Mountain Energy has four open TG well permits on a federal lease in the Wabuska area. Kebo Oil and Gas and West Grant Canyon Development each have one active drilling permit in Railroad Valley. Western Oil Exploration has one active permit in Newark Valley that was extended until the end of August, they have stated their intention to resume drilling in August.
3. Four geothermal and three oil sundry notices were processed during July.
4. Eight geothermal permit applications are pending BLM approval.
5. An operator has inquired about drilling a 4,000’ foot well near the Wabuska Geothermal Field, I have reviewed their application and am awaiting payment/bonding/lease information.
6. Renamed and organized well inspection photos.
7. Performed well inspections in San Emidio geothermal field and learned how to digitally document inspections for database.
8. Went to CMR meeting which included a tour of Ormat’s new Steamboat power generation plant in south Reno and a tour of the Discovery Museum in Reno.

FY 2022 Well Inspections	Total Active Permitted Wells	Wells Needed for FY22 (1/3 of Total)	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal	456		15	9.9%	
Oil	121		0	0%	
Totals	577	192	15	8%	177

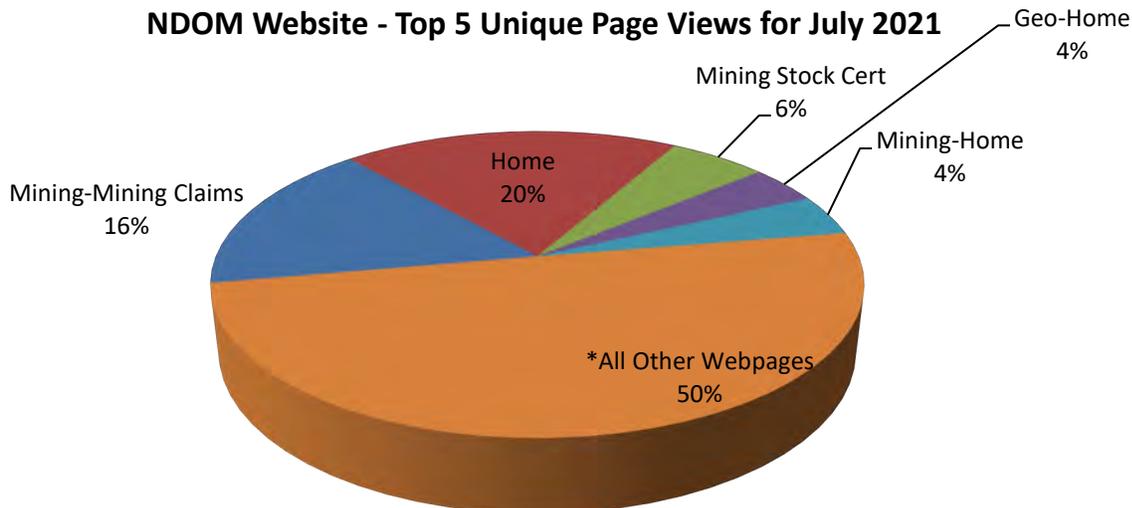
**Website Activity**

Period	NDOM Website Pageviews	NDOM Website Unique Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Jul 2021	5,261	3,736	Mining Claims, Home, Mining Stock Cert, Geo-Home, and Mining-Home	2,135	506
Jul 2020-Jul 2021	70,300	50,975		26,062	4,764

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



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



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

<b><u>Top Visitors</u></b>		
Jul-2021	Country	United States, Canada, India, China, and Thailand.
	State	Nevada, California, Texas, Colorado, and Virginia.
	City	Las Vegas, Reno, (unknown), Carson City, and Los Angeles.

<b><u>Video Views in July 2021</u></b>	<b><u>Top 5 Video Views</u></b>
506	Mining in Nevada - 18:22 mins.; Weathering & Erosion Part 1; Building a Web Mapping Platform; Nevada Mineral Explorer Web Application Demo; SOSA 2021 Full.



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**MICHAEL VISHER**  
Administrator

## August 2021

### MONTHLY ACTIVITY REPORTS

#### Administrator

1. Provided a presentation on the 2021 legislative session to members of NMEC.
2. Held discussions with several partner agencies regarding Western Oil's intention to resume drilling operations.
3. The Nevada Excellence in Mine Reclamation Awards Committee met and reviewed the one submission received. The committee unanimously recommended the project for an award. With the NvMA Convention postponed due to the Caldor fire, the award will be presented via a separate Zoom event scheduled for late September.
4. Provided interview to Las Vegas Review Journal regarding lithium in Nevada.
5. Review of NDEP's Clean Cars Nevada regulations proposed for adoption by the State Environmental Commission.
6. Meetings attended: Eavor Technologies – Nevada projects overview, Schlumberger New Energy – Clayton Valley project update, Cyrq Energy – Nevada projects overview, Division of Water Resources – preliminary MOU meeting, IMCC Regulatory updates, Greenlink West Project EIS Cooperating Agency, Smart from the Start Renewable Energy, EITS-IT transition, Governor's Cabinet, Statewide PIOs, and BLM Fluid Minerals Team monthly meeting.

#### Deputy Administrator

1. No bond pool activity in August.
2. Continued coordinating and planning for the NAAMPLP conference this September. This task was quite time consuming for the month of August. On August 30<sup>th</sup>, due to the Caldor Fire, the in-person portion of the conference was canceled and the NDOM team worked the first two weeks of September to transition to a completely virtual conference.
3. Provided basic domain, PC, and Local Area Network (LAN) IT support for NDOM staff.
4. Met with EITS to discuss moving the PC/LAN support to EITS and having EITS handle 100% of the agency's IT support. Waiting on EITS reply before making a final decision.
5. Worked with Sean to ensure NDOM would receive funding from the existing cost share agreement with the Humboldt-Toiyabe National Forest (HTNF) to complete 18 AML closures in the Aurora Mining District. These are the first hard closures completed by NDOM on HTNF lands in 8+ years.
6. Started compiling a list of answers for Nevada's response to IMCC's hardrock AML program development questionnaire.
7. Compiled an informational flyer on the Teachers Workshops to explain the basis of the workshops and time commitments for the solicitation of volunteers.
8. Worked with Lucia, Sean, and Courtney on the next phase of the SOSA AML database planning and contract with the RAMS program.
9. Submitted a request to State Purchasing to extend the EPS AML contract (#19573) for an additional four years and a total of \$2.4M.
10. End-of-August financial summary of bond pool:

Reclamation Bond Pool Status Report		Current to: 9/1/2021						
Plan-level Bonds - Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.82%		\$7,328.32	\$18,491.87	176.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.72%	bond reduced from \$244,482 4/21	\$33,715.62	\$171,375.76	307.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	24.00%		\$233,171.91	\$291,035.60	121.9%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.56%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.61%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.36%		\$39,615.03	\$50,148.06	114.8%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	24.51%		\$238,536.99	\$207,929.61	101.6%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$616,765.00</b>	<b>34.42%</b>	<b>54 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$1,791,895.39</b>					
<b>Cash in Pool's Account (From BSR - 8/31/2021)</b>			<b>\$2,941,490.91</b>					
<b>Unfunded Amount</b>			<b>-\$1,149,595.52</b>					
<b>Percent funded</b>			<b>164.2%</b>					

### Chief, Abandoned Mine Lands Program

1. The 2021 AML Intern Program ended its final weeks completing logging, revisit, and securing work in Elko and Washoe county. Interns took part in a tour of Barrick's El Nino underground mine operations and had the opportunity to network with mine and HR staff. Season totals for the interns included: 103 hazards secured, 662 revisits, and 518 new hazards and 4,751 non-hazards inventoried.
2. AML staff designed and contracted fabrication of a "Stay Out Stay Alive" billboard to be installed in Tonopah in September.
3. NDOM contractor EPS (Environmental Protection Services) began staging and project preparation for the Aurora hard closure project.
4. BOR (Bureau of Reclamation) finalized field work at the Double O hard closure project in Pershing County and submitted a closure report to NDOM.
5. AML staff responded to records requests from BLM and White Pine County sheriff's office.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	23,901	19,477	81%
2021 To Date	218	382	175%

### GIS/ Field Specialist

1. Worked on QAQC for Major Mines data, and new county maps for the publication.
2. Processed intern field data.
3. Modified Oil & Gas and Geothermal databases.
4. Studied for, took, and passed the FAA drone pilot licensing test.
5. Participated in drone flight surveys at the Buckskin Mine in Douglas County.
6. Made a timeline to serve as a visual representation of what is due and when for mining claim filings at the BLM and counties.
7. Updated active mining claims on the open data site.
8. Put together a presentation on mineral collecting, mining claims, and land research to present at the Reno Gem and Mineral Society's monthly meeting in September, and for general reference.
9. Printed and organized documents necessary for a first and second AML notification mailout.
10. Compiled a list of locatable mineral commodities that have been historically produced in Nevada for response to IMCC Survey.
11. Created an Access database to track responses from the AML notification mailout that will be sent out mid-September.

### AML/Fluid Minerals Field Specialist

1. AML: UAS field work with interns in Dayton, NV; continued planning for NAAML 2021 Conference (now virtual); submitted intern review to AML Chief to include in exit interviews; QAQC 2021 field data and pull new research list, update known orphans in database; update land research maps & files; continued creation of scripts and instructions for automation of database processes & topoquad ranking.

2. Education & Outreach: Finalization of new AML informative signs for the 4<sup>th</sup> Ward School; adaptation of rock and mineral box labels and use cards for donation to Sierra Nevada Journeys.
3. Fluid Mineral Resources: created new geothermal displays for GRC conference; attended meetings/discussions regarding dissolved mineral exploration, oil and geothermal permitting; re-write of scripts to add permit numbers to geotagged photos.
4. Attended: USGS Lidar Webinar, RAMS Progress Meeting with TerraSpectra Geomatics; NDOM Quarterly Safety Meeting.
5. Information Security: Attended State meetings, reviewed and reported on Information Security issues affecting the agency to staff, participated in discussions concerning agency path forward for IT support.

#### **AML/Public Outreach – Southern Nevada Programs Manager**

1. Prepared and submitted a Request for Proposal to NV Purchasing for the fabrication and delivery of a rocks and minerals exhibit for the Reno Discovery Museum.
2. Published six Nevada Mineral Fact Sheet flyers for use in mineral education outreach.
3. Created a print-ready advertisement highlighting NDOM's resources for publication in the Western Mining Record: MINExpo Edition and Mining Industry News.
4. Updated three print-ready NDOM standing-graphics displays for use at the MINExpo and other conferences.
5. Maintained the NAAML P Eventbrite registration platform, NAAML P conference website, technical session presenter and registration email, presenter abstract and presentation submissions, technical-session schedule, and Guidebook conference app. Met with the NAAML P planning staff several times during the month. Assisted with transitioning from in-person, to hybrid, to fully virtual conference.
6. Attended a USGS Broad Agency Announcement seminar on the 3DEP program which seeks to establish partnerships with non-federal agencies to acquire high-quality 3D elevation data.
7. Participated in a quarterly NDOM Safety Committee meeting with staff and summer interns; a monthly RAMS meeting with TerraSpectra; an NvMA Education Committee meeting; and a McCaw School of Mines meeting with the City of Henderson.

#### **AML/Public Outreach and Education – Southern Nevada Field Specialist**

1. Completed AML field work with the interns in Elko County and toured El Nino UG mine.
2. Attended and participated in Education Committee meeting.
3. Attended meeting with science curriculum experts for CCSD PDE to understand what they look for in a professional development course.
4. Modified CCSD PDE application for Mining for a STEAM Education and gained approval to offer CCSD teachers PDE credit.
5. Attended Nevada Mining Association Hard Hat Chat.
6. Worked on editing hazard descriptions in SOSA.
7. Worked on land research for 2<sup>nd</sup> notification.
8. Began studying for FAA Part 107 drone pilot certification.
9. Began preparation for MINExpo International 2021.

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

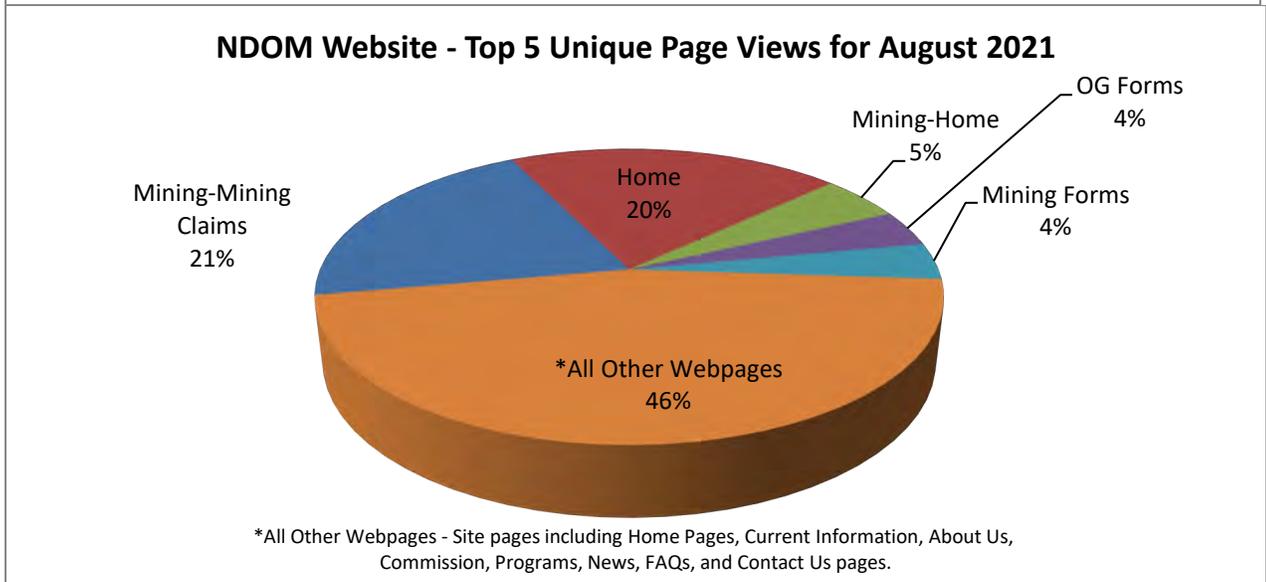
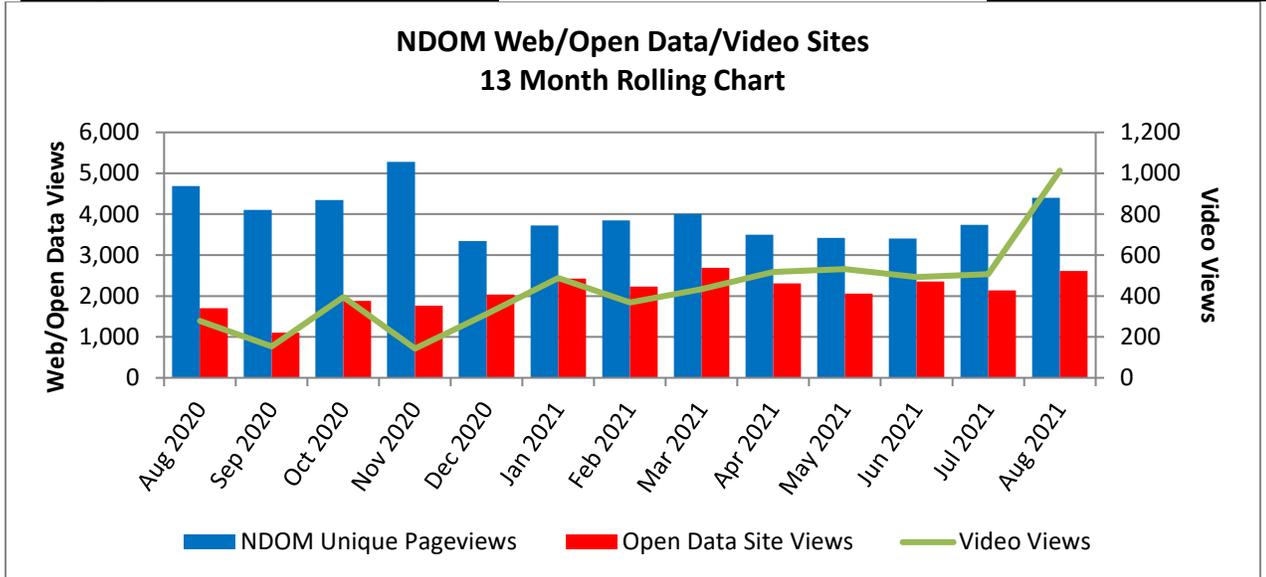
1. No geothermal and no oil permits were issued in August.
2. 2 geothermal and 5 oil sundry notices were reviewed during August.
3. Western Oil Exploration has resumed drilling operations on the Scott Federal 35-1 re-entry sidetrack as of 08/31/2021.
4. A DMRE company has contacted me about the possibility of drilling four to 4 DMRE exploration wells on their claims in Railroad Valley, NASA has requested a segregation is in their claim block. I have been reviewing their proposed wells while they await BLM approval for the project. They are preparing documentation for a groundwater modeling program to demonstrate their proposed activities will not degrade waters of the state.
5. An operator has inquired about drilling a 4,000' foot well near the Wabuska Geothermal Field, I have reviewed their application and am awaiting payment/bonding/lease information before approval.
6. Completed Microsoft Access 2-day training session.
7. Performed well inspections at Blackburn, North Willow Creek and Tomera Ranch oil fields. Reported an oil leak to NDEP for a well at Tomera Ranch; approximately 35-40 gallons. Operator was notified same day and agreed to dispose of oil and dirt at an approved hazardous waste location.
8. Went to Scott Federal 35-1 Oil Well in early August and late August to inspect rig, location, and road to well site.

9. Met with representative from Schlumberger regarding Clayton Valley DMRE project. Met with Cyrq Energy representatives to discuss various geothermal projects in the State. Had virtual meeting with Eavor's representatives and discussed their plans to drill an EGS project near Valmy.

FY 2022 Well Inspections	Total Active Permitted Wells	Wells Needed for FY22 (1/3 of Total)	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (19 Locations)	456		15		
Oil (22 Locations)	121		13		
Totals	577	192	28	15%	164

**Website Activity**

Period	NDOM Website Pageviews	NDOM Website Unique Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Aug 2021	6,048	4,397	Mining Claims, Home, Mining Stock Cert, Geo-Home, and Mining-Home	2,611	1,013
Aug. '20 - Aug. '21	71,301	51,795		27,309	5,634



<b><u>Top Visitors</u></b>		
Aug-2021	Country	United States, India, Canada, China, and Thailand.
	State	Nevada, California, Texas, Virginia, and Washington.
	City	Las Vegas, Reno, (unknown), Ashburn (VA), and Los Angeles.
<b><u>Video Views in Aug 2021</u></b>	<b><u>Top 5 Video Views</u></b>	
<b>1,013</b>	Weathering & Erosion Part 1; Mining in Nevada - 18:22 mins.; Building a Web Mapping Platform; SOSA 2021 Full; Nevada Mineral Explorer Web Application Demo.	



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**MICHAEL VISHER**  
Administrator

## MONTHLY ACTIVITY REPORTS

### September 2021

#### Administrator

1. Provided information on diatomite mining, occurrences, production, and values in Nevada to an attorney with the Texas State Securities Board researching a possible investment fraud case.
2. Provided requested information to USGS mineral commodity specialist for diatomite and gypsum production in Nevada.
3. Conducted interview with representatives from Global Business Reports for a report they're preparing on the mineral industry in Nevada.
4. Posted the job announcement for the open Field Specialist position following Courtney Brailo's departure on September 24<sup>th</sup>. Several applications have been received and one applicant has been interviewed.
5. Prepared and provided data on 2020 mineral production to Northern Nevada Business Week for publication.
6. Responded to requests for information on mineral estates for parcels in Lyon and Washoe counties.
7. Met with the Governor's new Chief of Staff, Yvanna Cancela, to review function, activities, concerns of the CMR and NDOM.
8. Meetings attended: State Environmental Commission, IOGCC update on orphan well legislation, NAAMLPL conference, IMCC Hard Rock Committee, Office of Environmental Policy and Compliance presentation on proposed budget for the Energy Community Revitalization Program (affects OGG and AML), Eavor Geothermal, BLM Fluid Minerals, NvMA Public Policy Committee, and NvMA's State of the Industry report by Jeremy Agüero, Governor's Cabinet, and State PIOs.

#### Deputy Administrator

1. Bond pool activity in September included one notice-level increase and one new plan-level inquiry
2. Hosted the 42<sup>nd</sup> Annual NAAMLPL conference. This task was extremely time consuming for the month of September. On August 30<sup>th</sup>, due to the Caldor Fire, the in-person portion of the conference was canceled and the NDOM team worked diligently the first two weeks of September to transition to a completely virtual conference. The virtual conference was held September 12-15 and was a great success. Nearly 400 attendees joined virtually which was double the anticipated in-person attendee forecast. Multiple attendees congratulated us for having the best virtual conference they had ever attended. The proceeds from this conference will break the NAAMLPL record coming in at just over \$110,000.
3. Provided basic domain, PC, and Local Area Network (LAN) IT support for NDOM staff.
4. Confirmed with EITS that NDOM will be moving the PC/LAN and all IT support to EITS. Waiting on EITS team to start the transition.
5. Received a Notice of Grant Award for \$200,000 in funding from a new BLM grant, L21AC10403-00. This funding can be put towards any AML work completed on BLM lands. Valerie and I will be working on submitting a Work Program to receive the funding.
6. Submitted a Work Program with Valerie to pull \$87,299 out of reserves to put into category 09, special projects, to fund the NBMG Railroad Valley contract and the Reno Discovery Museum geology display.

7. As a panelist for the Interstate Mining Compact Commission (IMCC) AML Hardrock meeting, helped steer the conversation to come up with nationwide goals for the development of the proposed new DOI AML Hardrock Program
8. Compiled and delivered NDOM's and NDEP's Nevada response to IMCC's hardrock AML program development questionnaire.
9. Received approval from State Purchasing to extend the EPS AML contract, # 19573, for an additional 4 years. NDOM will now be submitting the contract extension to BOE in November or December to finalize the extension and add \$2.4 million in authority to the contract
10. End-of-September financial summary of bond pool:

Reclamation Bond Pool Status Report		Current to: 10/1/2021						
Plan-level Bonds -Company	Project	Entry Date	Bond Amount	% of Pool	Comments	Deposit	Premiums Paid	% Bond Whole
Custom Details	Bovie-Lew	11/17/2006	\$14,643.00	0.82%		\$7,328.32	\$18,784.75	178.3%
New Gold Nevada (NV Rae)	Black Rock Canyon	4/15/2005	\$66,673.00	3.72%	bond reduced from \$244,482 4/21	\$33,715.62	\$171,375.76	307.6%
SNL Sand LLC	Money Pit	5/21/2004	\$430,088.00	24.00%		\$233,171.91	\$293,186.04	122.4%
Western Mine Dev.	Victorine Mine	5/24/2000	\$45,875.39	2.56%	terminated	\$0.00	\$0.00	
Western Mine Dev.	Kingston Mill	5/24/2000	\$100,450.00	5.60%	terminated	\$0.00	\$0.00	
TNT Venture	Big Canyon	1/27/2010	\$78,161.00	4.36%		\$39,615.03	\$50,148.06	114.8%
Dun Glen Mining	Dun Glen	8/11/2014	\$439,240.00	24.51%		\$238,536.99	\$207,929.61	101.6%
<b>Statewide Notice-Level</b>	<b>Various</b>	<b>various</b>	<b>\$617,177.00</b>	<b>34.43%</b>	<b>54 Notice-level bonds</b>			
<b>Total Bond Amount</b>			<b>\$1,792,307.39</b>					
<b>Cash in Pool's Account (From BSR - 9/30/2021)</b>			<b>\$2,945,947.36</b>					
<b>Unfunded Amount</b>			<b>-\$1,153,639.97</b>					
<b>Percent funded</b>			<b>164.4%</b>					

### Chief, Abandoned Mine Lands Program

1. AML 1<sup>st</sup> and 2<sup>nd</sup> notification mailouts were sent via state mail and AML staff in CC and LV have been tracking claimant responses daily. This was a large undertaking that included 992 hazards in the 1<sup>st</sup> notification to 316 owners/claimants and 977 hazards to 251 owners/claimants in the 2<sup>nd</sup> notification.
2. NDOM contractor EPS (Environmental Protection Services) finalized the USFS Aurora hard closure project with 16 closures.
3. AML staff took part in field trials for geologic AML site characterization with contractor McGinley and Associates.
4. AML staff evaluated new approach for targeted SOSA outreach online messaging.
5. AML staff modified the existing topo sheet hazard ranking Python script to assist in developing hard rock closure projects.
6. Supported White Pine County law enforcement in locating two hazard sites.
7. Southern NV AML Staff attended MINExpo and handed out AML materials to the public.
8. AML staff started planning for winter interns 2021/2022 season.
9. Staff continued work with TerraSpectra to overhaul our notification process, providing better tracking and reporting, automating parts of the process.
10. Southern NV AML staff began assessing our field data hardware and software needs for the next five to ten years.

	SITES INVENTORIED	SITES SECURED	% Secured
Since 1987	23,901	19,880	83%
2021 To Date	220	403	183%

### GIS/ Field Specialist

1. Helped to compile, send, and respond to the AML mailout.
2. Gave a presentation at the Reno Gem and Mineral Society's Monthly Meeting
3. Updated AML photos on server.

4. Updated mining claims data, twice.
5. Compiled the Major Mines publication which included new maps.
6. Deployed field maps for the AML Geologic Assessment project.
7. Modified ArcPad forms for OGG.
8. Fieldwork to beta test field maps with McGinley and Associates.
9. Started compiling a presentation for a talk on Critical Minerals to be given at the NMEC annual meeting.

#### **AML/Public Outreach and Education – Southern Nevada Field Specialist**

1. Attended meeting regarding updates in All About Mining: Mining for a STEAM Education, an online workshop for teachers.
2. Attended a class on Professional Learning Education (PLE) from the Clark County School District to learn about the PLE department's changes to their mission and vision.
3. Completed land research in preparation for the 2<sup>nd</sup> notification mailout.
4. Attended Python training to be used with ArcGIS.
5. Prepared for and attended all three days of MINExpo International 2021.
6. Worked on setting up All About Mining: Mining for a STEAM Education in Canvas, which is CCSD's preferred Learning Management System for their teachers.
7. Attended webinar on High Performance Drone Mapping with True View software.
8. Worked on owner responses (calls and emails) to AML 2<sup>nd</sup> notification letters, providing additional information to owners when requested.
9. Completed fire drill with NDEP and NDOM office safety inspection checklist.

#### **AML/Public Outreach – Southern Nevada Programs Manager**

1. Assisted in the successful production of the 42<sup>nd</sup> NAAMLPLP annual conference. Researched virtual conference platforms on short notice after deciding to transition the conference to fully virtual; selected and built-out the Whova platform as an all-in-one virtual conference space. Prepared and coordinated technical session moderators and presenters for three days containing three concurrent streams; 69 presentations delivered by over 79 speakers (including speakers for the plenary, tours, and awards sessions). Managed session scheduling for moderators and presenters. Moderated one stream over three days. Edited recordings of sessions and uploaded for on-demand online viewing.
2. Conducted three minerals education and AML presentations in fifth grade classrooms at Grant Bowler ES, Overton; approximately 100 students and teachers in attendance.
3. Responded to several claimants by phone and email regarding our AML claimant letter notifications. Provided maps, photos, securing standards and information relating to the Nevada AML program.
4. Received one bid for our Reno Discovery Mineral Exhibit RFP; 3saurus, LLC., who created the first exhibit at the Las Vegas Natural History Museum, was the awarded vendor. The contract is anticipated to begin mid-December upon IFC approving our related work program, and Clerk of the Board's approval of the contract.
5. Began planning for fall contract revisit work with EPS and southern Nevada winter intern work in early January.
6. Updated three NDOM Skyline graphics to be used at MINExpo and future events.
7. Participated in two meetings with staff from the Army Corps of Engineers RAMS program, NDOM and TerraSpectra, a quarterly Nevada Veteran's Peer Mentor group meeting, and several meetings in preparation for the NAAMLPLP conference.
8. Attended a Meet and Greet hosted by Barrick/NGM at the McCaw School of Mines.

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

1. One geothermal and no oil permits were issued in September. The NGP Blue Mountain BM 73-22 observation well was approved by the BLM and NDOM.
2. Western Oil Exploration has resumed drilling operations on the Scott Federal 35-1 re-entry sidetrack as of 08/31/2021 and is continuing operations.
3. Grant Canyon Oil and Gas started operations to reenter an existing hole and drill a sidetrack well at Three Bar 6R.
4. Seven geothermal and 18 oil sundry notices were reviewed during September.
5. 3PL Operating has submitted Permit Applications for 4 DMRE exploration wells on their claims in Railroad Valley. I have been reviewing their proposed wells while they await BLM acceptance for the project. 3PL gave a

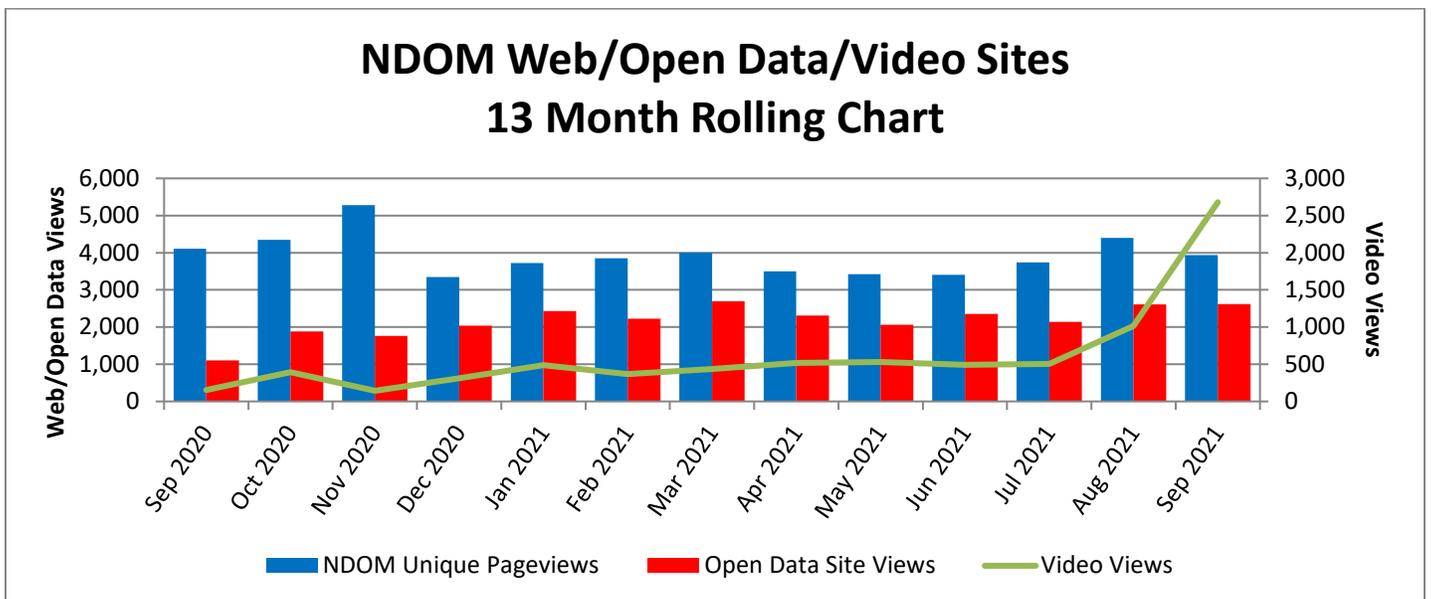
detailed presentation showing groundwater modeling that satisfied the BLM and NDOM’s concerns. Pending approvals, they expect to start drilling in late-October.

6. An operator has inquired about drilling a 4,000’ foot well near the Wabuska Geothermal Field. I have reviewed their application and am awaiting payment/bonding/lease information before approval.
7. Performed well inspections at Blackburn and Tomera Ranch oil fields. Re-inspected Tomera Ranch oil leak and found appropriate mitigation has been implemented. Inspected Three Bar 6R drill pad location. Visited the Western 35-1 drill rig and communicated with rig workers regarding operations.
8. Hosted a meeting with NDEP and Eavor Geothermal Company regarding their potential projects in Nevada.
9. Inspected drilling operations for DMRE boreholes in Smith Creek Valley.
10. Coordinated with BLM on status of any reported oil spills, drilling operations, and permit applications and sundries for fluid minerals.

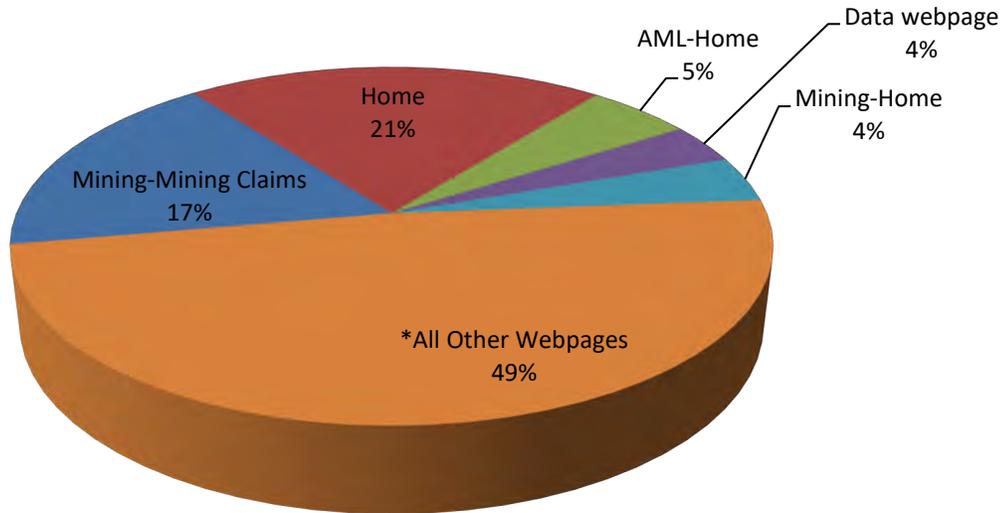
FY 2022 Well Inspections	Total Wells	Wells Needed for FY22	Wells Inspected	% of Total Needed	Wells Remaining
Geothermal (19 Locations)	456	152	15		
Oil (22 Locations)	121	40	18		
Totals	577	192	33	17%	159

**Website Activity**

Period	NDOM Website Pageviews	NDOM Website Unique Pageviews	NDOM Website Top 5 Pageviews	NDOM Open Data Site Views	NDOM Video Views
Sep 2021	5,371	3,937	Mining-Mining Claims, Home, AML-Home, Data Webpage, and Mining-Home.	2,620	2,679
Sep 2020-Sep 2021	69,891	51,047		28,226	8,035



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



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

### Top Visitors

Sep-2021	Country	United States, Canada, Germany, India, and China.
	State	Nevada, California, Texas, New York, and Virginia.
	City	Reno, Las Vegas, (unknown), Houston, and Sacramento.

<u>Video Views in Sept 2021</u>	<u>Top 5 Video Views</u>	<u>Dist Learn Trkr # of Classes</u>	<u>No. NV 45%</u>	<u>So. NV 55%</u>
<b>2,679</b>	Weathering & Erosion Part 1; Mining in Nevada - 18:22 mins.; Building a Web Mapping Platform; Weathering & Erosion Part 2; Cupcake Core Drilling & Drillin' For Doh.	107	48	59

**COMMISSION BUSINESS Appointment of**  
**Vice-Chair**