

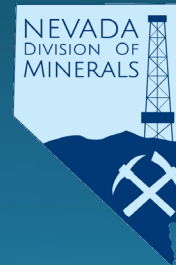
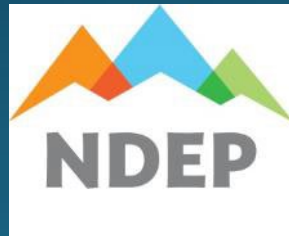
# NEVADA EXCELLENCE IN MINE RECLAMATION AWARDS 2023



Nevada Mining Association Awards Presentation

September 8, 2023

Rob Ghiglieri – Nevada Division of Minerals



# NEVADA EXCELLENCE IN MINE RECLAMATION AWARDS

- Awards Program began in 1991
- Purpose: “to recognize and share examples of successes in the areas of reclamation, closure, planning, and wildlife protection and enhancement in Nevada”
- Qualifications for an award:
  - Excellent mitigation of the environmental impacts of mineral industry activity
  - Work efforts which go above and beyond what is mandated
  - Worthy examples to share with others in the industry
- Awards require unanimous approval from Committee



# 2023 Nevada Excellence in Mine Reclamation

*Committee Recognition*

**KGHM**

Robinson Mine, White Pine County  
Pad D Reclamation

Recognition Category:

**Addressing Legacy Remediation**





# 2023 Nevada Excellence in Mine Reclamation Award

**Meridian Jerritt Canyon Corp.  
(Austin Gold Venture)**

Inspiration Mine, Lander County  
Inspiration Mine Closure

**Award Category:**

**Long-Term Mine Closure Reclamation**



# Meridian Jerritt Canyon Corp

## Inspiration Mine Closure



- Pre-State reclamation regulations with operations from 1986-1989
- Decades of coordination with USFS and State
- NDEP terminated the WPCP in 2019.
- The site is 100% regulatorily closed

# Meridian Jerritt Canyon Corp Inspiration Mine Closure



- The revegetation is almost exclusively native plants giving a very natural look with the same wildlife habitat as the surroundings.
- Birch Creek is an important LCT stream and the overall reclamation has done well to date to minimize the impacts on Birch Creek and the LCT.

# Meridian Jerritt Canyon Corp Inspiration Mine Closure



- Partial backfill of the pit to avoid a pit lake effect
- The waste rock dumps were largely left benched for stability reasons and not pushed down in order to impact the least amount of surrounding wildlife habitat.
- Drainage structures were built to move run-off away from the crest of the bench
- No movement at the toe of the dumps has ever been observed.

# Meridian Jerritt Canyon Corp Inspiration Mine Closure

Mill site 1988-1991



- A 100-year 24-hour event ditch system to divert potential surface flow from the Toiyabe Range.

- Removal of all equipment, tanks, and process components was completed in 1996.



Mill site 2005



# Accepting the 2023 award for Meridian Jerritt Canyon Corp



Adam Whitman,  
Vice President

&

Jill Southerland,  
RCI Consultant

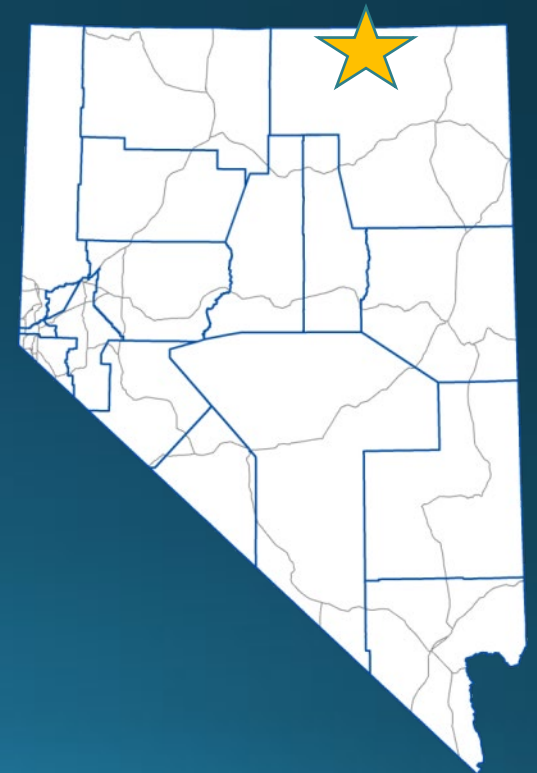


# 2023 Nevada Excellence in Mine Reclamation Award

**Newcrest Mining Limited.**  
Jarbidge Exploration Project,  
Elko County

**Award Category:**

**Leadership in Exploration Reclamation**





# Newcrest Mining Limited

## Jarbidge Exploration Project

- Major efforts went into protecting the wildlife in the area
- Water hose and erosion control devices installed along the length of the temporary exploration roads



# Newcrest Mining Limited

## Jarbidge Exploration Project



➤ Legarza earthwork was extraordinary

# Newcrest Mining Limited

## Jarbidge Exploration Project



- Upon request by the USFS, to reduce surface disturbance Newcrest acquired out-of-state core rigs that created a smaller footprint.
- Also, the rigs needed to have class-1 airshed engines on the rigs.

# Accepting the 2023 award for Newcrest Mining Limited



Quinn Smith and  
Sam Katseanes of Newcrest  
&  
Dave Stone of Legarza



# 2023 Nevada Excellence in Mine Reclamation Award

Pathfinder Tonopah  
Liberty Mine Project,  
Nye County

Award Category:

Addressing Legacy Remediation





# Pathfinder Tonopah Liberty Mine Project

HLP 2021



- New company to Nevada and recently acquired project
- Initiated voluntarily improvements for both environmental quality and increase reclamation efforts

HLP 2023



# Pathfinder Tonopah Liberty Mine Project

- Developed immediate proactive and innovative approaches to addressing these multiple legacy issues
- Design evaporation basins on the heap leach pad (HLP) for better fluid management results
- Within one-year, significant results have occurred for reducing fluid encapsulation on the HLP

HLP 2021



HLP 2023



# Pathfinder Tonopah Liberty Mine Project

Before



- Pathfinder went back to pre-regulatory waste rock storage facilities (WRSF) that had been re-graded in the early 2000's that had “burned” vegetation areas due to sulfide rock types exposed at the surface after the re-grading effort was completed.

After



# Pathfinder Tonopah Liberty Mine Project

- The WRSF were never released from the reclamation permit.
- Pathfinder took the voluntary initiative to place alluvial cover on the “hot spots” to encourage future re-vegetation success.

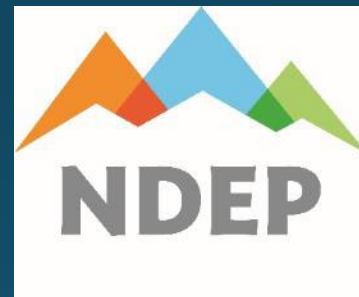
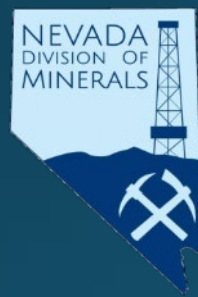


# Accepting the 2023 award for Pathfinder Tonopah



Brianna Hanson,  
Ann Carpenter,  
&  
John Mears

**On behalf of the Awards Committee, thank you to  
all that submitted nominations and  
congratulations to our award winners.**



**Next year's submissions are due by June 21<sup>st</sup>, 2024**