



# **WELCOME TO MONTANA!**

**AN ABANDONED MINE LAND OVERVIEW**

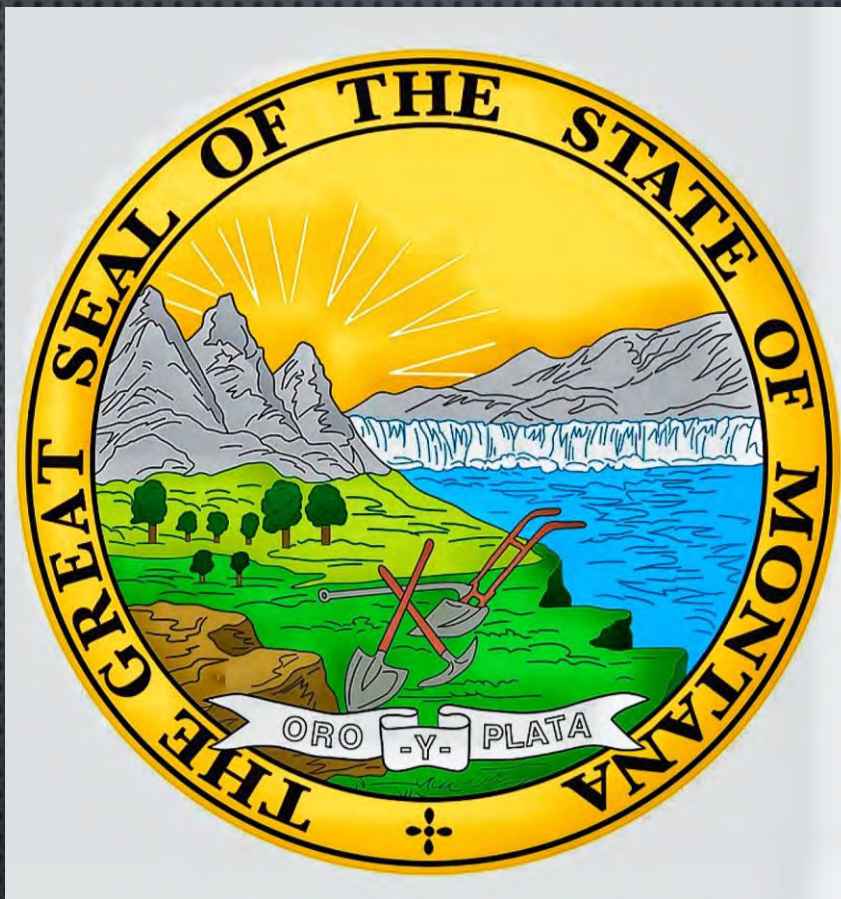
**MATT VINCENT, EXECUTIVE DIRECTOR  
MONTANA MINING ASSOCIATION**

**ABANDONED MINE LANDS UPDATE – 5<sup>TH</sup> ANNUAL SYMPOSIUM**

**JULY 25, 2023**

**MONTANA TECHNOLOGICAL UNIVERSITY**

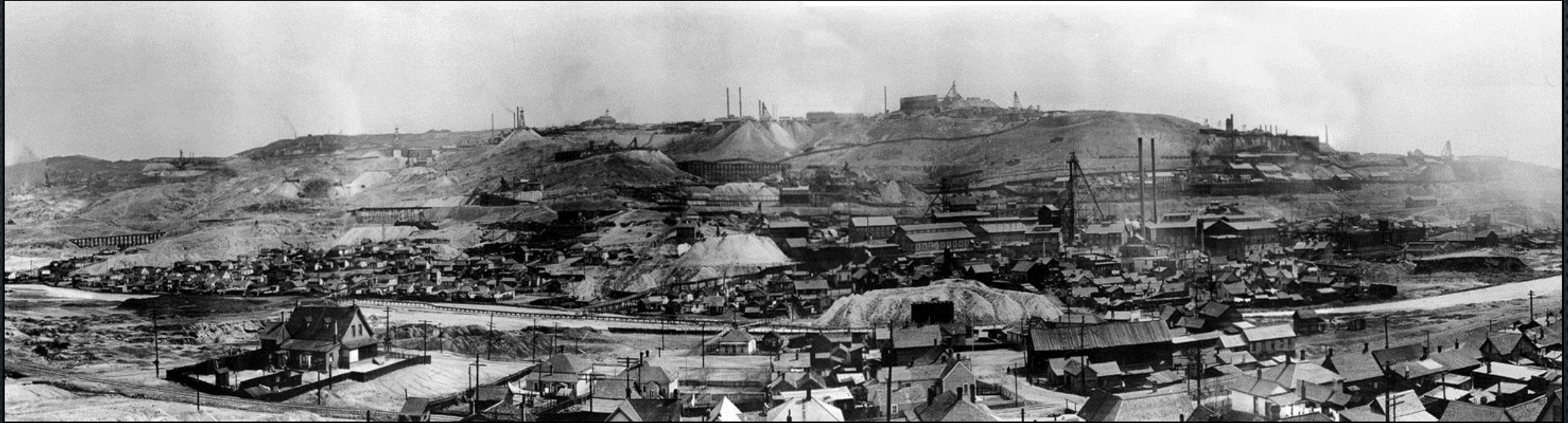




**MONTANA'S MINING HERITAGE:  
"THE TREASURE STATE"**



**BUTTE, AMERICA: “*THE MINING CITY,*”  
“*THE RICHEST HILL ON EARTH*”**





# MONTANA TECHNOLOGICAL UNIVERSITY: *“THE SCHOOL OF MINES,” “DE RE METALLICA”*







# **MONTANA ABANDONED MINE LAND OVERVIEW: “WE’VE GOT IT ALL...”**

BERKELEY PIT, MINE FLOODING OPERABLE UNIT, BUTTE-SILVER BOW CREEK  
AREA NPL FEDERAL SUPERFUND SITE



# 1,000'S OF ORPHANED ABANDONED SITES



SMALL ABANDONED MINE NEAR ROCKER



TODAY'S MINING:  
*DOING IT RIGHT...*



- HECLA TROY MINE POST-RECLAMATION

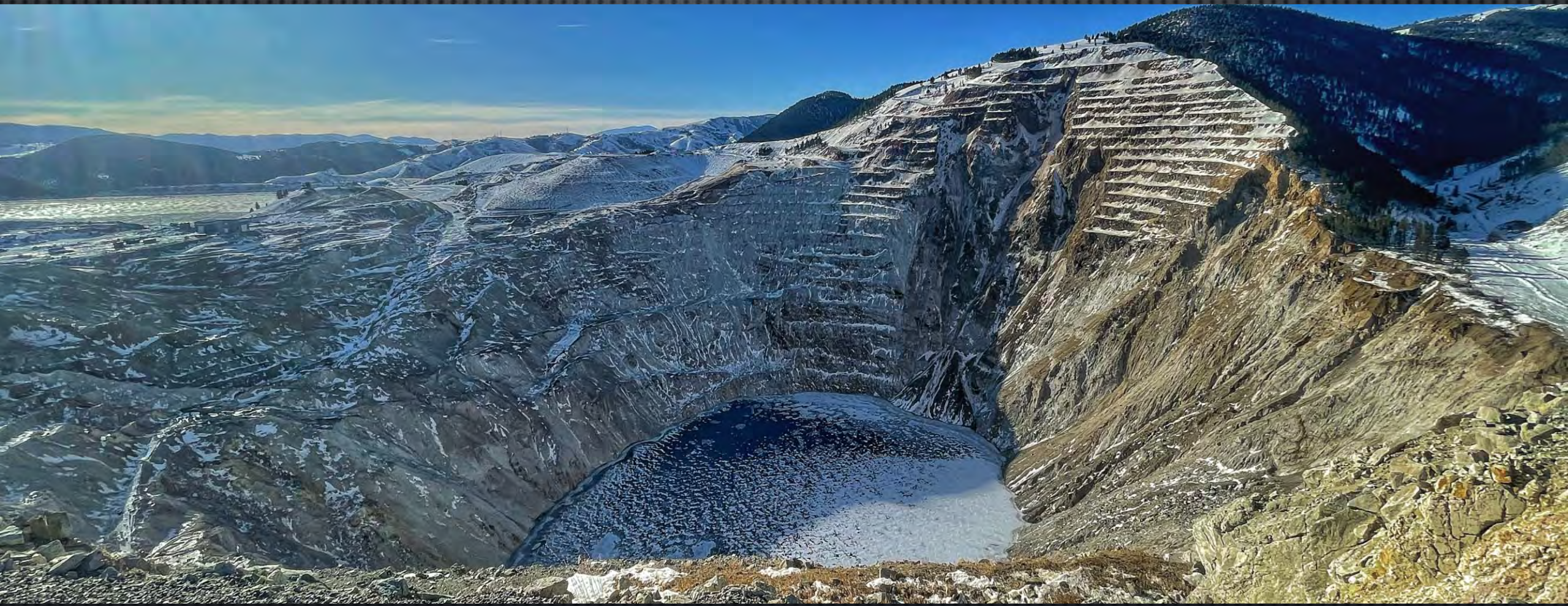


# DOING IT RIGHT: STILLWATER MINE, SIBANYE-STILLWATER





*BUT ALWAYS LOOKING TO IMPROVE.*



MONTANA TUNNELS MINE BANKRUPTCY



# REMEDIATION & RESTORATION



- SILVER BOW CREEK, STREAMSIDE TAILINGS OPERABLE UNIT



BEFORE





# DURING CONSTRUCTION





FOUR YEARS AFTER





10  
YEARS  
AFTER





23 YEARS  
AFTER





# RARE EARTH ELEMENTS & CRITICAL MINERALS





# WASTE REPROCESSING

- BARRICK-GOLDEN SUNLIGHT MINE TAILINGS REPROCESSING, STORY IN *THE MONTANA STANDARD* ON 7/19/23

FEATURED EDITOR'S PICK

## Golden Sunlight partners with Savage to transport reprocessed tailings

DUNCAN ADAMS Jul 19, 2023 0



Rick Jordan, the mill supervisor at the Golden Sunlight mine in Whitehall, tells a story about eating TV dinner for lunch shortly after he started working for the gold mine.



# RENEWABLE ENERGY DEVELOPMENT



MONTANA RESOURCES AND BUTTE SUPERFUND SITES



# CONSERVATION AND PUBLIC ACCESS



GSM RANCHLAND ON BOULDER RIVER & GRAYMONT INDIAN CREEK MINE



# COMMUNITY RE-USE & REDEVELOPMENT



- MINERS FIELD-THREE LEGENDS STADIUM, BUTTE & MILLTOWN CONFLUENCE STATE PARK, BONNER



