# GOLD EXPRESS MINES

CREATING VALUE BY ACQUIRING & DEVELOPING MULTI-COMMODITY MINING ASSETS IN THE WESTERN USA AND IN CHILE MARCH 2023

#### GOLD EXPRESS MINES

### Safe Harbor Statement

#### **Projections, Forward-looking Statements, Etc.**

Any projections, forward-looking statements and other data contained in the following presentation are based on a number of estimates and assumptions by Gold Express Mines, Inc. (GEM), including among others, estimates of and assumptions relating to future performance of mines based on historic ounces per ton (opt) outputs, timing regarding schedule and amount of production, mining costs, sustained value of gold versus international currencies, and the ability to secure necessary financing. These estimates and assumptions are inherently uncertain and are subject to numerous geological, business, competitive and financial risks which are outside of GEM's control. There can be no assurance that the assumptions made in connection with the projections, forward-looking statements and other data herein will prove accurate, and actual results may differ materially. The inclusion of projections, forward-looking statements and other data herein should not be regarded as an indication that GEM considers them to be a reliable prediction of future events and they should not be relied upon as such. A further discussion of the risks associated with GEM's business and the impact of such risks on the projections, forward-looking statements and other data herein can be found in the documents filed by GEM with the US Securities and Exchange Commission.

#### Not an offer to purchase or sell securities.

This presentation does not constitute an offer to sell or a solicitation of an offer to buy any security and may not be relied upon in connection with purchase or sale of any security.

#### No Representation of Accuracy.

Projections, forward-looking statements and other data discussed herein, are neither historical facts nor assurances of future performance. Instead, they are estimates that reflect the best judgment of GEM management based on currently available information. Because projections, forward-looking statements and other data contained herein relate to the future, they involve a number of risks, uncertainties and other factors that are outside of our control and could cause actual results to differ materially from those stated. Therefore, you should not rely on any projections, forward-looking statements or other data contained herein. Neither GEM, its employees, nor its representatives has made or makes any representation or warranty, expressed or implied, to any persons regarding projections, forward-looking statements or other data contained herein. All projections, forward-looking statements and other data contained herein are based on information available to GEM on the date here of, and GEM assumes no obligation to update such projections, forward-looking statements or other data contained herein, whether as a result of new information, future developments or otherwise, except as required by law.



### **Property Locations**

GEM has over 20 multi-commodity properties in its USA and Chile project pipelines. All of GEM's projects have historical mineralization data associated with them and are in historically wellknown and productive mining districts.

### **Focus Projects**

PROJECT	Түре
Yellow Band (MT)	Epithermal Au/Ag Veins
Artillery Peak (AZ)	Detachment Fault Au/Ag Veins
Cerro Blanco (Chile)	Large Open Pit Titanium
Uravan (CO/UT)	Uranium and Vanadium
Copper Cliff (ID)	Intrusive-related Cu Veins

#### GOLD EXPRESS MINES

# The Highlights

#### ARIZONA

Artillery Peak	Wide fairway and strike of sheeted gold vein system.
Collom	Recent samples up to 26 opt silver and 1% copper.
Mineral Creek	Historic drilling assays up to 2% Cu and 0.5 opt Au.
Pioneer	High grade historical lead/silver producer; in copper porphyry area.
Socorro	Historical modeling indicates possible 35.6 MT of rock with 760,000 oz Au.
Zulu	20-foot-wide vein system; 4-8 gm mining grades; recent 6 gm soil sample.

CALIFORN	IIA	
Lost Emigran	t USGS 1980s estimate indicated 250,000 tons totaling 77,000 oz Au.	
Sisson	USGS 1980s estimate indicated substantial Au @ 0.15 opt.	
Snyder	<ul> <li>Historic operators delineated 189,000 oz Au in 6.6 MT.</li> <li>High grade core of 75,000 oz @ 0.15 opt.</li> <li>Enlarged land position to ~800 acres to capture historic resource</li> </ul>	
Rich Gulch	<ul> <li>Historic 43-101 estimate of 117,799 underground mineable ounces @ 0.107 opt Au.</li> </ul>	
COLORAD	о/Итан	
Uravan	Historic uranium tract leased with purchase option until February, 2028. An additional 180 unpatented mining claims at various Uravan locations have been staked which are 100% company owned.	
IDAHO		
Copper Cliff	Historic Copper Cliff Mine. Unpatented claims & mining lease on patented claims.	

# The Highlights

#### MONTANA

Neihart	Historic Lexington, Big Seven and other mines located on patented claims. Neihart area produced over \$15MM in silver and other minerals between 1881-1945.
Yellow Band	Historic gold/silver mines under a long-term lease; possible early gold and silver production.

NEVADA	
Aurum	Copper and silver with silver values up to 90 opt.
Black Prince	Potential for bulk silver in limestones.
Diamond Jim	Historic estimate of 4 MT of 2 opt Ag with additional gold numbers.
Gold Boulder	Surface samples up to 1 opt Au.
Goldstone	Battle Mountain trend gold opportunity.
Ledbetter	Potential for bulk style deposit.
Nyala	Base metals with gold and silver.
Palmetto North	4,000-foot strike length; potential epithermal gold system.



#### HISTORY

- Since its 1934 discovery, the mine profitably produced gold in an era when gold was at \$35/oz.
- Initial 20 unpatented mining claims comprising the project were consolidated by a single owner and kept in good standing since 1934.
- Existing Historic Mineral Resource estimates (all categories) range from 1,200,000 tons at 0.378 opt gold to 1,900,000 tons at 0.283 opt gold with 1-2 opt silver.

#### FOCUS PROJECT

### YELLOW BAND

ARGENTA MINING DISTRICT - BEAVERHEAD COUNTY, MT

- 7-year-term lease with option to purchase.
- Unique opportunity with existing drilled resources.
- Upside exists to expand the resource along a 5-mile strike.
- Located 16 miles northwest of Dillon (population 5,000).
- Historic estimates to be verified by drilling and bulk sampling.
- Recent repair work at Boaz Tunnel allowed access to historic mine workings, providing a better understanding of the mineralized zones.
- Recent samples driving a renewed local and regional approach of exploration to enlarge scope of known mineralization.

## YB WORK PROGRAMS



#### 2021-22 WORK COMPLETED

- Completed three independent metallurgy studies.
  - Recent glycine recovery results are promising as an alternative to cyanide extraction. Testing is ongoing with bulk sample test in progress
- Completed new NI 43-101 report
  - Recommends further drilling to confirm past resource estimates.
- Additional claims staked to expand resource coverage.
- Completed Boaz Tunnel raise repairs May 2022 allowed access to old mining areas for sampling.
  - Sample results were very positive.
- Expanded claim package to 120 claims.
- Expect drill permit spring of 2023.
- Expect bulk sample permit summer of 2023.

#### 2023 PLANS TOWARDS PRODUCTION (BUDGET: \$3,350,000)

- Execute 15-hole drill program plus additional holes on new claims
- Pre-production mine development
- Make decision on interim milling facility & enter contracts
- Design and construct for underground selective mining method
- Bulk sample extraction at 50-100 TPD to begin when permitted
- When full mine permits are received, the expected production will build to ~300 TPD.
- Expect to permit and build a new vat leach recovery plant nearby potentially using glycine recovery reagents.

#### FOCUS PROJECT - YELLOW BAND

### **YB** Proposed Drilling



Fig. 1. Map of proposed drill hole locations compared with historical drill hole locations.

Table 1. Proposed drill hole details.

Hole ID	<b>UTM X</b>	UTM Y		Azimuth	Dip	TD (m)
YB2021-1	350316	5021665	2205	0	-90	50
YB2021-2	350793	5022342	2252	0	-90	50
YB2021-3	350458	5021818	2220	0	-90	75
YB2021-4	350403	5021655	2182	0	-90	75
YB2021-5	350383	5021688	2196	0	-90	75
YB2021-6	350397	5021704	2200	0	-90	75
YB2021-7	350413	5021774	2219	0	-90	75
YB2021-8	350570	5021934	2210	0	-90	75
YB2021-9	350343	5021478	2192	0	-90	75
YB2021-10	350297	5021378	2184	100	-45	100
YB2021-11	350322	5021619	2192	0	-50	100
YB2021-12	350313	5021708	2220	40	-50	100
YB2021-13	350488	5021868	2222	30	-65	80
YB2021-14	350453	5021947	2253	0	-90	200
YB2021-15	350634	5022032	2229	0	-90	75
					Total	1280

<sup>1</sup>XYZ coordinates are presented in WG584 Zone 12N (EPSG: 32612). Elevation (Z) in meters.

#### Table 2. Grade and thickness of intervals from historical holes which will be twinned.

	Twinned	Historical Interval Grade Thickness	Historical Interval	Historical Interval To	Historical Interval	Gold Grade
New Hole ID	Hole ID	(g*ft)	From (ft)	(ft)	Length (ft)	(g/t)
YB2021-1	38	1016.58	185	195	10	101.66
YB2021-2	80	584.58	100	105	5	116.92
YB2021-3	111	55.69	172.2	178.8	1.6	34.81
YB2021-4	171	478.55	15	45	30	15.95
*YB2021-11	179	10.63	210	217.5	7.5	1.42
*YB2021-12	137	18.17	105	115	10	1.82
*YB2021-13	104	0	N/A	N/A	N/A	N/A
YB2021-14	21	0	N/A	N/A	N/A	N/A
YB2021-15	WDH2	131.08	60	130	70	1.74

\* Same collar location, different azimuth and dip.

## **Artillery Peak**

#### MOHAVE COUNTY, AZ



- Past historical drilling and sampling indicated substantial zones of ore grade and anomalous gold.
- Historic trench sampling results of greater than 0.25 opt Au.
- Mineralization is hosted in a 750-meter by 450-meter fairway giving potential for a substantial gold resource.
- Future geophysics include:
  - Further IP studies on existing claim areas.
  - Deep AMT to confirm the deeper potential.
- Spring 2023 Drill Program:
  - 6 to 7 RC drill holes consisting of shallow holes plus three deeper holes to test down-dip continuity.
- Drill permit granted Spring 2022 and bond payment secured.
- Property is a mineral lease with purchase option of with Precious Metals LLC consisting of 14 unpatented mining claims. Company has staked additional claims.
- Past chip sampling results yielded gold numbers with multiple 1+ opt assays from vein outcrops and stockwork zones.

#### 2023 PROJECT BUDGET: \$250,000



### CERRO BLANCO PROJECT

- Natural hard rock rutile deposit using open pit mining and accompanying processing plant for the production of rutile concentrate as titanium feedstock
- Located in Freirina in the Atacama Region of Chile, a world class mining district.
- 700 km north of Santiago and 20 km east from the coast
- Over 111 million tonnes measured and indicated resources reported under current NI-43-101 resource study at average grade of over 1.7% TiO2
- An estimated \$30 million+ in past project expenditures by past owners
- Project is wholly owned purchased in December 2022 for \$1.2 million in cash and 3 million shares of common stock







**ONE OF THE HIGHEST-GRADE** AND LARGEST DEPOSITS OF NATURAL, HARD ROCK RUTILE KNOWN IN THE WORLD



OPEN WITH STRIP

OPEN PIT MINING WITH FAVORABLE STRIP RATIOS



HIGH CONCENTRATE GRADE, PREMIUM QUALITY, LOW IMPURITY LEVEL



MINERALIZATION CHARACTERISTICS ARE EASY TO IDENTIFY ON SITE

CONSOLIDATED MINING DISTRICT, APPROX. 1,000

METERS ALTITUDE, CLOSE TO SHORE, GOOD CLIMATE, NEIGHBORING OTHER MINING CITIES

**EXCELLENT LOCATION:** 

PROJECTED TOTAL RUTILE RECOVERIES EXCEED **80%** 

A preliminary company-prepared NPV of the Project based on an update of past throughput models, cost assumptions and updated rutile pricing produces an NPV8 = \$208MM.

The Company believes this valuation projection can be greatly improved through:

- improved recoveries using newer gravity recovery technologies;
- revising mine project layouts;
- lowering initial throughput rates which will lower the initial project capex;
- boosting mine head grades for the first four to five years of the project life to enhance early cash flow.





Attractive Market Fundamentals	<ul> <li>Titanium demand is robust</li> <li>Pricing projections are positive</li> <li>Few near term supply additions</li> <li>Few available substitutes</li> </ul>	Unique Opportunity	<ul> <li>One of only a few pure rutile projects globally</li> <li>Expected premium product and premium pricing</li> <li>Suits both chloride processing and titanium sponge manufacturing</li> </ul>
Project is building on large amount of past work	<ul> <li>Updating resource studies</li> <li>Updating PEA</li> <li>Possible use of past completed EIS</li> <li>Updating past met studies</li> </ul>	Expansion Potential	<ul> <li>Significant growth from new drilling expected</li> <li>At least four nearby underexplored prospects</li> <li>Opportunity to make wholly new discoveries</li> </ul>
Supporting Infrastructure	<ul> <li>26km from Port of Huasco</li> <li>Close to roads and rail</li> <li>Close to power stations</li> <li>Nearby labor force</li> </ul>	Mining Friendly Jurisdiction	<ul> <li>Political stability</li> <li>Mining is a major contributor of GDP</li> <li>Reasonable tax rates and royalties</li> </ul>
Highly Skilled Team in Chile	<ul> <li>Chilean legal and admin retained</li> <li>In-country engineering &amp; geologic team are in place</li> <li>All groups are highly experienced</li> </ul>	Future Monetization	<ul> <li>Project could be spun out of Gold</li> <li>Express for senior listing opportunity</li> <li>Project could be sold to a larger</li> <li>company or joint ventured</li> </ul>

### **Uravan –** Near-Term Uranium

#### MONTROSE AND SAN MIGUEL COUNTIES, CO AND SAN JUAN COUNTY, UT



#### FOCUS URAVAN PROJECT- PITCHFORK

- Lease with option to purchase on the Pitchfork mining property located in San Miquel County. The property consists of 30 unpatented mining claims. The property lease payments are \$12,500 quarterly. All lease payments apply towards the purchase price of \$650,000.
- Pitchfork is a past producer of uranium and vanadium. The past production grade was about 4 pounds of uranium per ton and 22 pounds of vanadium per ton.
- Based on historical estimates from past sampling and drilling, as well as mine development activities, the estimated existing mineral resource in the Pitchfork is about 248,000 pounds uranium and 1,343,000 pounds of vanadium.
- The Pitchfork lease with option is an ideal way for the Company to gain exposure to the rapidly moving uranium and vanadium markets.
- Another distinct advantage of the Pitchfork is that due to fault movements, the mineralized beds are tilted to near vertical which makes for simpler and more economic mining of the narrow, mineralized beds. In the majority of the Uravan, the mineralized beds are flat-lying which requires split-shooting of the ores, a more expensive and requiring greater skills to successfully accomplish.
- The Company also holds an additional 180 unpatented mining claims in the Uravan District in various locations, some of which are located on historic mines which may have historical resources remaining.

#### 2023 PROJECT BUDGET: \$150,000

\*Evidence of past production and results does not imply future success. Timing and amount of actual production is dependent on obtaining permits, financing and other factors. Therefore, actual results may vary from projections. Past profitability may not be indicative of future financial results. Actual results may vary from the historical results. The Uravan DOE resource estimates must be confirmed by further verification work of the Company\*

### **Uravan Belt Properties**

COMPANY OWNED UNPATENTED MINING CLAIMS IN MONTROSE AND SAN MIGUEL COUNTIES, COLORADO AND IN SAN JUAN COUNTY, UTAH

CLAIM TRACT	Number Of Claims	Acreage	County
Thief Claims	14	289.2	Montrose Cty, CO
South Slick Claims	20	413.2	San Miguel Cty, CO
Gypz Claims	23	475.2	San Miguel Cty, CO
Saw Claims	8	165.3	Montrose Cty, CO
Slick Claims	2	41.3	San Miguel Cty, CO
HRM Claims	8	165.3	San Miguel Cty, CO
La Sal Claims	22	454.5	San Juan County, Utah
Fawn Claims	10	206.6	Montrose Cty, CO
CM Claims	10	206.6	San Miguel Cty, CO
Brush Claims	14	289.2	Montrose Cty, CO
Dox Claims	12	247.9	Montrose Cty, CO
Buck Claims	37	764.4	San Juan County, Utah
TOTALS	180	3718.8 acres	



- The Uravan Belt is an arc of uranium and vanadium deposits in southwest Colorado and eastern Utah
- Typically, these deposits contain an average of 0.2%  $\rm U_3O_8$  and 1.5% Vanadium.
- The Pitchfork Lease has substantial historic information, including resources data. This historical information needs to be verified by Company drilling and sampling. The Company is planning to file drill permits for the Pitchfork Lease within the next three months.
- Other unpatented claims of the Company are on or near past historic producers. Data on these properties is being gathered and future exploration plans are being considered.

#### FOCUS PROJECT - URAVAN



#### **3** REASONS WHY NUCLEAR IS CLEAN AND SUSTAINABLE:

- Nuclear energy protects air quality with zero emissions 1.
- Nuclear energy's land footprint is small 2.
  - A typical power plant needs only a little more than 1 square mile to operate.
- 3. Nuclear energy produces minimal waste
  - All the used nuclear fuel produced by US nuclear energy over the last 60 years could fit on a football field. The waste can also be reprocessed and recycled.



replacement (ERA and Cominak)

10% of global electricity generation<sup>1</sup> 20% of United States electricity generation<sup>1</sup> 2nd largest source of global clean energy with almost Zero Carbon emissions<sup>1</sup> 443 reactors in operation across 33 countries<sup>2</sup> 54 reactors under construction in 19 countries<sup>2</sup> Large, long-term projects have ceased production with no market <sup>2</sup> World Nuclear Association "World Nuclear Power Reactors & Uranium Requirement" March 2021 to July 2021

#### **CO<sub>2</sub> Emissions Avoided by U.S. Power Industry**



15

# **Mineral Creek**

GILA COUNTY, AZ



- Past historical drilling and sampling indicated substantial zones of copper and gold.
- Historic drill sampling results of 1% Cu or greater and 0.25 opt Au.
- Recent geophysics indicates a very deep oxide copper/gold system at the site.
- Deep copper-oxide zonation sets up a possibility of a valuable and substantial sized copper oxide deposit.
- Possible small drill program all 2023 if permits are granted
- Geophysics (if warranted after results of drilling):
  - Further Induced Polarization Studies on existing claim areas.
  - Deep Advanced Magnetotellurics (AMT) to confirm the deep oxides.
  - Possible expansion of land holdings.

#### 2023 PROJECT BUDGET: \$40,000

# **Copper Cliff**

ADAMS COUNTY, ID



- Acquired a lease on patented mining claims comprising the historic Copper Cliff Mine near Cuprum, Idaho.
- Company staked 77 unpatented mining claims surrounding the leased patents.
- Historic copper mine producing last in the 1970s from an open pit.
- Mineralization is vein-hosted and strata-bound copper and occurs in greenstone rocks of Triassic age called the Seven Devils volcanics.
- Drilling conducted in 2022 from the east side of the old open pit to targeting the downward plunge of the historic ore body did not intersect copper mineralization.
- Drill permit is being revised to allow drilling on the west side of the historic open pit.
- Follow-on geophysics if warranted after drill results.
- Patented claims held by a mineral lease/purchase option:
  - Lease payment is \$12,000 annually.
  - Purchase price is \$250,000 all lease payments apply towards purchase.

#### 2023 PROJECT BUDGET: \$50,000

## Neihart

#### CASCADE COUNTY, MT



- Past production from high-grade silver veins with associated base metals and gold down-dip and along strike on veins historically mined.
- Typical grades were 15 opt to 20 opt Ag and 10% combined base metal content.
- Targets include remnant high-grade veins as well as a bulkminable disseminated deposit.
- Freeport owns the Big Ben molybdenum deposit a few miles northwest of the project.
- Hecla Mining sampling in the 1980s confirmed the potential for bulk tonnages on the patented claims.
- Project is on patented mining claims for easier and faster permitting.
- Intensive surface sampling program, geologic reconnaissance and first phase of IP geophysics completed October 2021.
- A thorough geologic analysis of the area done by a prominent structural geologist has paused plans to drill the project until further analysis is completed.

### 2023 PROJECT BUDGET: \$50,000 FOR FURTHER ON THE GROUND ANALYSIS

### **Neihart –** Recommended Drill Program







### **Pioneer Mine**

#### GILA COUNTY, AZ



- Historic, high-grade, silver/lead mine which last produced in the 1870s from an underground shaft mine.
- Past production estimate is 250,000 tons of 25 opt Ag with base metal credits of copper, lead and zinc.
- Land package is largely consolidated through claims staking and state lease acquisitions. The Company is still negotiating leases with several existing claim owner groups.
- Geophysics IP during Spring 2022 was conducted to trace downward plunge of mineralized zones. Crews will be mapping and sampling at the site the summer 2023.
- Drilling subject to permitting:
  - Two to three diamond drill holes on the extensions of the historic Pioneer Mine vein systems;
  - Drill targeting of the disseminated sulfides which are noted to occur in the underlying monzonite indicating the possibility of a large low-grade porphyry copper deposit.
  - This is highly prospective copper porphyry territory with many large copper mines in the area (Globe/Miami, Ray, Christmas, Pinto Valley and the Resolution Project)

#### 2023 PROJECT BUDGET: \$100,000

# Copper Projects Sold to Key Metals Corp.

Three exploration copper projects sold to Key Metals Corp. for 6 million Key Metals Corp. common shares valued at \$1.5MM. Roughly half of these shares have been distributed to GEM shareholders through a dividend.

- Trout Creek Mineral Lease (sale price 1.6MM shares)
  - 54 unpatented mining claims in Sanders County, MT
  - Copper-silver strata-bound mineralization
- Soldier Creek Project (sale price 1.8MM shares)
  - 79 unpatented mining claims in Tooele County, UT
  - Porphyry-style copper mineralization
- Big Sandy Project (sale price 2.6MM shares)
  - 75 unpatented mining claims located in Mohave County, AZ
  - Porphyry-style copper mineralization
  - On western boundary of Bell Copper's new copper porphyry discovery

#### Sale Objectives:

 $\checkmark$ 

- Give GEM exposure to an advanced-stage Chilean copper project;
- Provide political and geographical diversity to both companies.

Key Metals currently is planning an IPO on Nasdaq or NYSE-MKT in 2023.

# Market Capitalization

As of March 2023:

Common Shares Issued and Outstanding	61.1 MM
Warrants Issued and Outstanding	37.8 MM
Options Issued and Outstanding	0.5 MM
Fully Diluted	99.4 MM
Market Capitalization*	24.8 MM
Cash on Hand	\$ 1.4 MM



### GOLD EXPRESS MINES www.goldexpressmines.com

Market capitalization is based upon a Black-Scholes model of the value of the recently completed unit offering which valued the common shares at \$0.25 and applying that calculation to the existing fully diluted shares outstanding.



### **Corporate Team**

#### **Executives & Directors**

John P. Ryan President/CEO & Secretary email: jr@goldexpressmines.com

Howard M. Crosby Executive Vice-President & Treasurer email: <u>corkinvest19@gmail.com</u>

James Czirr Director

Terrence Dunne Director

Donna Miller CFO

Helen Thomas Vice President of Geology & Permitting

### **Technical & Advisory Personnel**

Greg Schifrin & Minex Personnel (General Exploration)

John Reynolds & Durango Geophysics Personnel (Geophysics & Project Generation)

James G. Baughman (Geology & GIS)

Manuel Montoya (Project Generation & Resource Modeling)

Kurt Hoffman (Land & Leasing)

Robin McCullough (Mine Engineering & Permitting)

Rob Kell (Consulting Geologist & Porphyry Specialist)

Robert Wetzel (Consulting Geologist – California)

Bob Larson (Consulting Geologist – Uravan)

Josh White (Consulting Geologist & GIS)