

# PURSUING A REVIVAL IN GOLD

**Beartrack-Arnett Project** Lemhi County, Idaho

AEMA CONVENTION December 8, 2023

revival-gold.com

TSX-V: RVG OTCQX: RVLGF

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Factors that could cause actual results to differ materially from such forward-looking statements include, but are not limited to failure to identify mineral resources, failure to convert estimated mineral resources to reserves, the inability to maintain the modelling and assumptions upon which the interpretation of results are based after further testing, the inability to complete a feasibility study which recommends a production decision, the preliminary nature of metallurgical test results, delays in obtaining or failures to obtain required governmental, environmental or other project approvals, changes in regulatory requirements, political and social risks, uncertainties relating to the availability and costs of financing needed in the future, uncertainties or challenges related to mineral title in the Company's projects, changes in equity markets, inflation, changes in exchange rates, fluctuations in commodity and in particular gold prices, delays in the development of projects, capital, operating and reclamation costs varying significantly from estimates, the continued availability of capital, accidents and labour disputes, and the other risks involved in the mineral exploration and development industry, an inability to raise additional funding, the manner the Company uses its cash or the proceeds of an offering of the Company's securities, an inability to predict and counteract the effects of COVID-19 on the business of the Company, including but not limited to the effects of COVID-19 on the price of commodities, capital market conditions, restriction on labour and international travel and supply chains, future climatic conditions, the discovery of new, large, low-cost mineral deposits, the general level of global economic activity, disasters or environmental or climatic events which affect the infrastructure on which the project is dependent, and those risks set out in the Company's public documents filed on SEDAR+. 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#### **Disclaimer to United States Investors**

The securities of the Company have not been registered under the United States Securities Act of 1933, as amended (the "U.S. Securities Act"), or any state securities laws and may not be offered or sold within the United States or to U.S. Persons unless registered under the U.S. Securities Act and applicable state securities laws or an exemption from such registration is available.

REVIVAL GOLD TSX-V: RVG | OTCQX: RVLGF NOTE: ALL I

#### NOTE: ALL FIGURES IN THIS PRESENTATION ARE IN METRIC UNITS AND IN US\$ UNLESS STATED OTHERWISE.

# **REVIVAL GOLD INC.**

#### A growth company in gold

- Advancing the Beartrack-Arnett Gold Project located in Idaho, USA<sup>1</sup>
  - Largest past-producing gold mine in the state
  - <u>1<sup>st</sup> phase heap leach restart</u> strong PFS economics
  - 2<sup>nd</sup> phase U/G opportunity progressing concept
  - Multi-million-ounce gold project; ongoing exploration
- Veteran gold team track records of success with:







Note: <sup>1</sup>See "Preliminary Feasibility Study NI 43-101 Technical Report on the Beartrack-Arnett Heap Leach Project, Lemhi county, Idaho, USA" prepared by Kappes, Cassidy & Associates, IMC, KCH and WSP dated August 2<sup>nd</sup>, 2023 for further details.

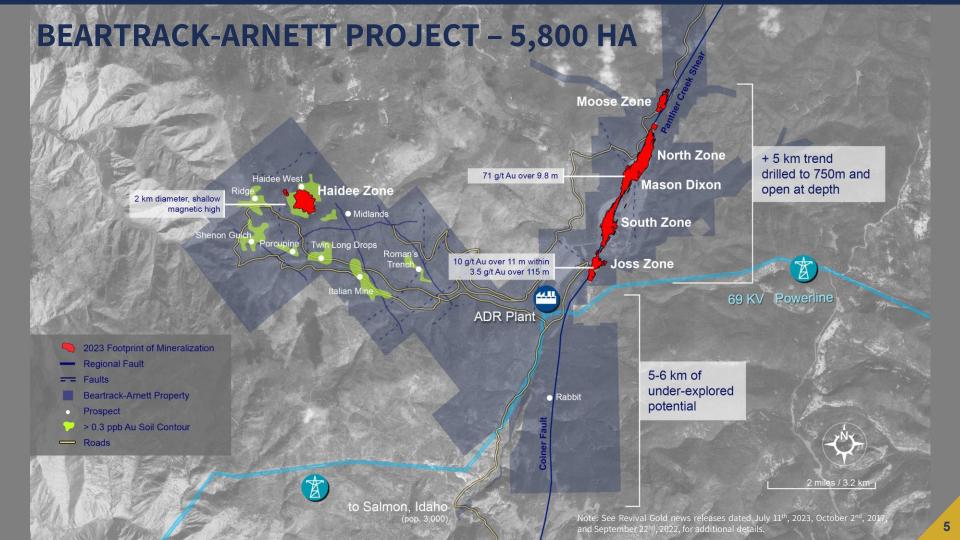
# POSITIONED IN NORTH AMERICA

- 2<sup>nd</sup> largest gold-producing region in the world<sup>1</sup>
- Idaho is ranked among top jurisdictions in the world for policy by the Fraser Institute<sup>2</sup>
- **30 M ounce state endowment** of undeveloped gold deposits<sup>3</sup>

Note: <sup>1</sup>World Gold Council ; <sup>2</sup>Fraser Institute 2022 Survey of Policy Perception Index; <sup>3</sup>DigiGeoData data for Idaho as at December 31<sup>st</sup>, 2020, and Company information.







# **BEARTRACK-ARNETT PROJECT**

- Gold discovered in the Mackinaw District in 1860's; estimated district placer production: **400,000 to 500,000 ozs of gold**
- Meridian Gold produced 600,000 ozs of gold from an open pit, heap leach operation 1994-2002<sup>1</sup>
- Current land position assembled by Revival in 2017-18
- 2023 PFS<sup>2</sup> Beartrack-Arnett resource:
  - 2.42 million ozs @ 0.87g/t Au M & I
  - 2.19 million ozs @ 1.34 g/t Au Inferred
- Minimum District gold endowment 5.5 MM ozs of gold
- Underground Inferred Resource<sup>2</sup>:

REVIVAL

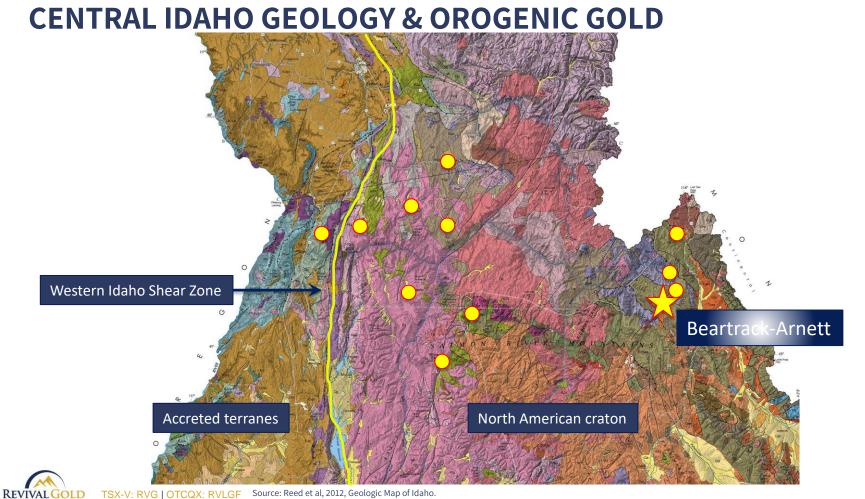
- 6.7 MM tonnes @ 4.05 g/t Au containing 877 k oz Au
- Horizontal width ranges from 3 m to 25 m





# **REGIONAL GEOLOGY**

Deformation zone in rapakivi granite from North Pit - Beartrack

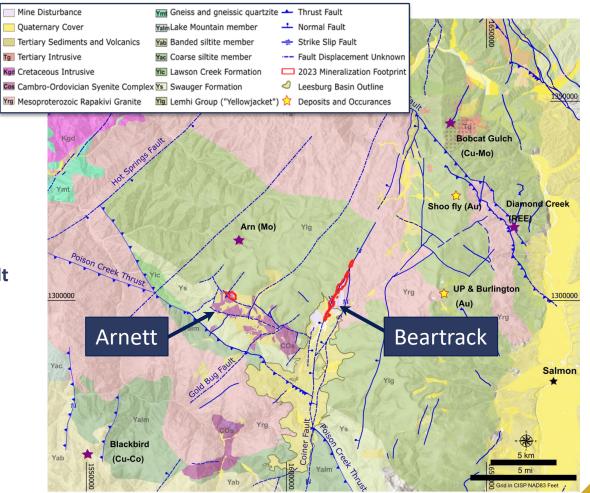


TSX-V: RVG | OTCQX: RVLGF Source: Reed et al, 2012, Geologic Map of Idaho.

# **DISTRICT GEOLOGY**

- Mesoproterozoic metasedimentary & intrusive rocks
- Cambro-Ordovician intrusive complexes
- Eocene to Oligocene deposits
  - Conglomerate, sandstone, shale w/ minor coal
  - Felsic to mafic flows & tuffs
  - Lake beds
- Coiner Fault System & Poison Creek Fault
- Multiple intrusive & mineralizing events
  - Proterozoic Yrg & Co Belt Deposits
  - Cambro-Ordovician intrusions
  - Mississippian (& Cretaceous) REE-Th
  - Cretaceous Idaho Batholith
  - Cretaceous-Paleocene orogenic Au
  - Tertiary intrusions, porphyry & epithermal

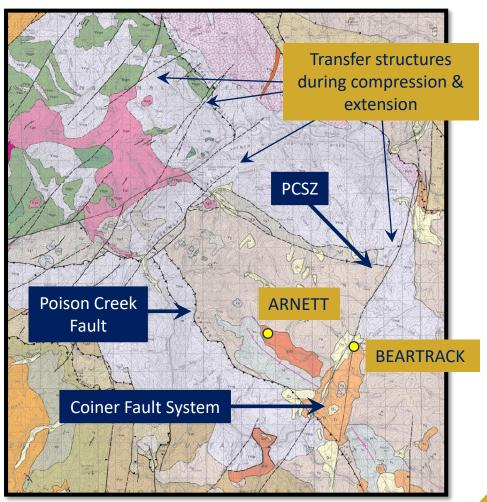
REVIVAL GOLD TSX-V: RVG | OTCQX: RVLGF



Sources: Revival Gold; Burmeister et al, 2023; Lewis et al, 2022; Evans and Green, 2003, Burmeister et al, 2016, Corona Gold

# **DISTRICT STRUCTURE**

- Coiner Fault System has an approximate strike length of 90 km (55 mi)
- **PCSZ** a NE-trending transfer structure related to regional thrust faulting or a bend in the Coiner Fault System?
- The **PCSZ** has a **long geologic history** exhibiting ductile through brittle, post-mineral deformation
- Pre-mineralization **dextral offset** on the PCSZ is at least 2,000 m; at the time of mineralization offset was **sinistral**
- Known orogenic Au occurrences in the area are located near the Coiner Fault System



Source: Evans and Green, 2003, Geologic Map of the Salmon National Forest and Vicinity, East-Central Idaho

# **PROPERTY STRUCTURE**

- At least two periods of ductile deformation are present at Beartrack & Arnett
- Deformation became progressively more brittle; later brittle-ductile shears exploited early-formed ductile fabrics
- Early-formed permeability was important for initiating & controlling the subsequent evolution of permeability & fluid flow
- Mineralization in both areas formed late in the deformation history during brittle-ductile & brittle deformation



Beartrack Mesoproterozoic Yellowjacket Fm



Arnett Cambrian Crowded Porphyry



Davis, 2023, Structural geological review of the Beartrack Project and Arnett Project, Idaho; Report prepared on behalf of Revival Gold.

TSX-V: RVG | OTCQX: RVLGF

# BEARTRACK



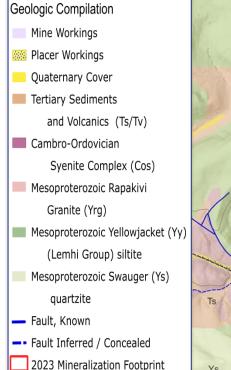
# **PROJECT GEOLOGY – BEARTRACK**

- Hosted by Mesoproterozoic rocks
- Yrg in the north; Yy in the south
- Related to NNE-trending **PCSZ**
- Lateral & vertical continuity: five deposits over 5 km of strike & 750 m vertically
- Mineralization: subvertical stockwork of quartz-pyrite-arsenopyrite veinlets; higher-grade tectonic breccias
- Alteration: sericitic, silicification, carbonate +/- K feldspar
- Geochemistry: Au & As +/- Hg
- Deposit Type: orogenic

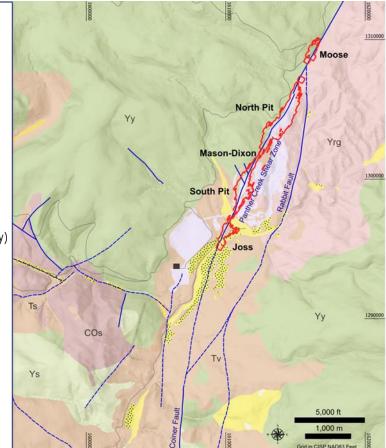
**REVIVAL GOLD** 

• Age: 68.2+/-1.7 Ma (Re-Os from sulfides)

TSX-V: RVG | OTCQX: RVLGF

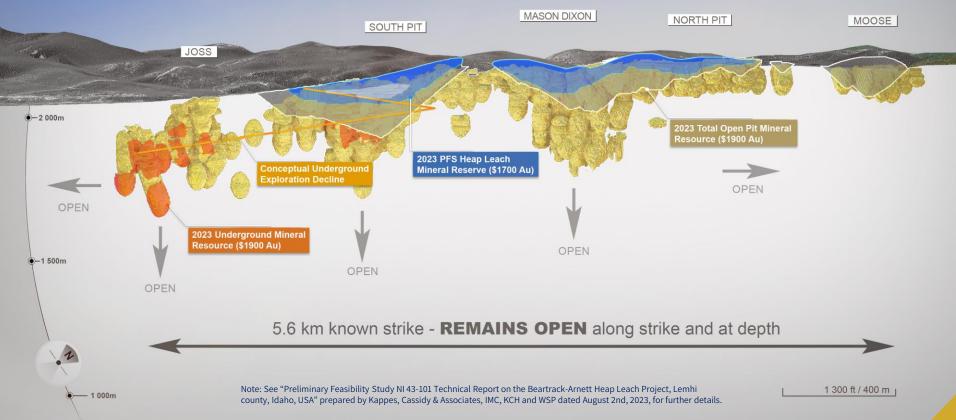


- RVG Claim Outline
- ----- Roads
- ADR Plant and Leach Ponds



Source: Revival Gold; Meridian Gold; Lewis et al, 2022

## **BEARTRACK TREND – MINERALIZED OVER +5 KM**



### **BEARTRACK SOUTH PIT-2022**

Approximate mineralized zone

TS – Tertiary sedimentary & volcanic deposits PCF – Panther Creek Fault (post-mineral) PCSZ – Panther Creek Shear Zone Yrg – Mesoproterozoic rapakivi granite Yy – Mesoproterozoic Yellowjacket Fm.



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**Post-Mineral PCF** 

PCSZ

### **BEARTRACK HOST ROCKS**





Mesoproterozoic rapakivi granite



Mesoproterozoic metasedimentary rocks

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**REVIVAL GOLD** 

### **BEARTRACK MINERALIZATION-Stockwork**





Quartz-arsenopyrite-pyrite stockwork in Mesoproterozoic rapakivi granite Quartz-arsenopyrite-pyrite stockwork in Mesoproterozoic metasedimentary rocks

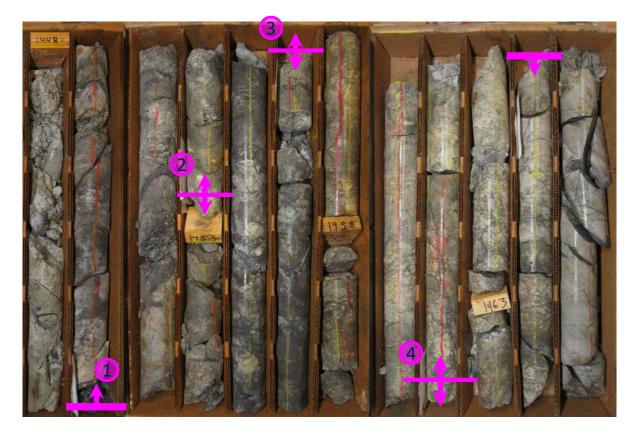


## **JOSS UNDERGROUND TARGET – BT21-240D**

 Photo depicts 18.9 g/t gold over 5.3 m<sup>1</sup> within 4.34 g/t gold over 110.6 m<sup>1, 2</sup>

1.5 m @ 12.0 g/t gold
 1.2 m @ 28.9 g/t gold
 1.1 m @ 12.8 g/t gold
 1.5 m @ 22.3 g/t gold

<sup>1</sup>Drilled width; <sup>2</sup>See Revival Gold December 2<sup>nd</sup>, 2021, press release for detailed results.



*PCSZ with high grade quartz-arsenopyrite-pyrite veinlets hosted in within brecciated Yellowjacket metasedimentary rock.* 

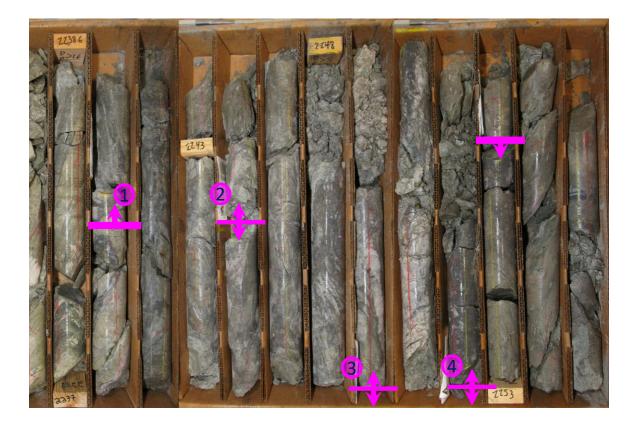


# JOSS UNDERGROUND TARGET – BT22-242D

•Photo depicts **16.6 g/t gold over 4.5 m<sup>1</sup>** within 3.5 g/t gold over 115.4 m<sup>1, 2</sup>

1.4 m @ 12.8 g/t Au
 1.2 m @ 14.8 g/t Au
 1.1 m @ 18.8 g/t Au
 0.8 m @ 22.9 g/t Au

Note: <sup>1</sup>Drilled width; <sup>2</sup> See Revival Gold September 22, 2022, news release for detailed results.





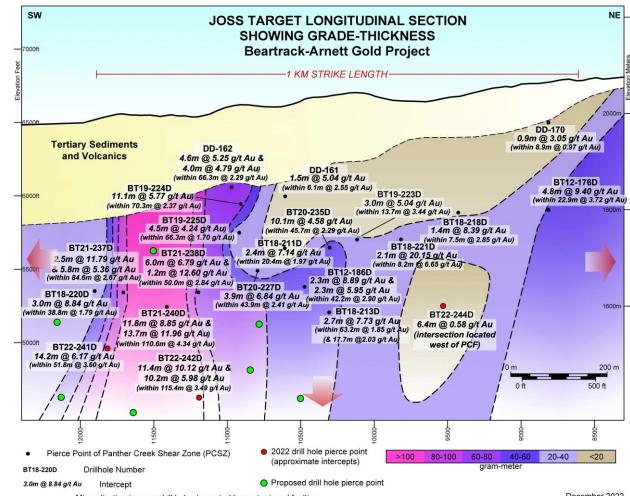
*PCSZ with high grade quartz-arsenopyrite-pyrite veinlets hosted in within sheared Yellowjacket metasedimentary rock.* 

# **JOSS TARGET**

- 1 km strike, 500 m vertical, high-grade core, broad zone of surrounding mineralization
- Wide-spaced drilling
  - BT21-240D to BT22-242D is > 200 m
- Limits of shoot are defined by few holes
- Mineralization removed by faulting in some holes (e.g., DD-161, DD-170 & BT19-223D)

Drilled Vidth (m)	Grade (g/t Au)
45.5	2.8
5.50	7.7
	<b>Vidth (m)</b> 45.5



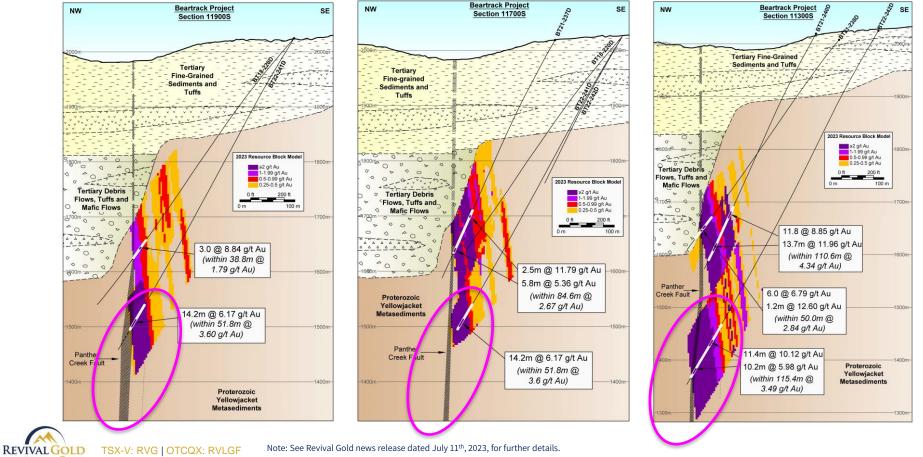


Mineralization in some drill holes truncated by post-mineral faulting.

December 2022

Note: (1) see Revival Gold December 2<sup>nd</sup>, 2021, September 12<sup>th</sup>, 2022, September 22<sup>nd</sup>, 2022 and December 14<sup>th</sup>, 2022 press releases for further details.

## **JOSS ZONE CROSS-SECTIONS**





#### Haidee Deposit

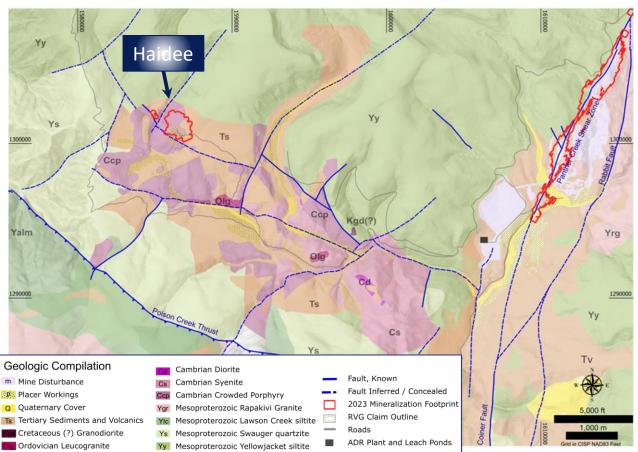
Beartrack ADR Plant Site approx. 4 miles

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# **ARNETT – GEOLOGICAL CHARACTERISTICS**

- Hosted by K-rich Cambro-Ordovician intrusive rocks
- Two sets of mineralized structures: NW-trending & NE-trending
- Mineralization: quartz-pyrite (FeOx) veinlets
- Oxidized to approximately 150 m
- Alteration: potassic (biotite +/magnetite), magnetite, oxidation of magnetite to specular hematite, sericitic (+/- chlorite-epidote)
- Geochemistry: Au + Bi + Te +/- Ag, Cu, Fe, Hg, Mo, Sb, W
- Deposit Type orogenic
- Age : 77-80 Ma (Ar<sup>40</sup>/Ar<sup>39</sup> from sericite)

REVIVAL GOLD TSX-V: RVG | OTCQX: RVLGF



Source: Revival Gold; Lewis et al, 2022

## **ARNETT CAMBRO-ORDOVICIAN INTRUSIVE COMPLEX**

Crowded Porphyry 489 ± 5 Ma<sup>1</sup>



Syenite 486 ± 6 Ma<sup>2</sup>



Leucogranite 477 ± 3 Ma<sup>1</sup>



**REVIVAL GOLD** Source: <sup>1</sup>R

Source: <sup>1</sup>Revival Gold, unpublished data; <sup>2</sup>Lund et al, 2010

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## HAIDEE MINERALIZATION



Haidee mine dump

Oxidized sulfides & Au are younger than quartz veining & occur in fractures & along vein margins

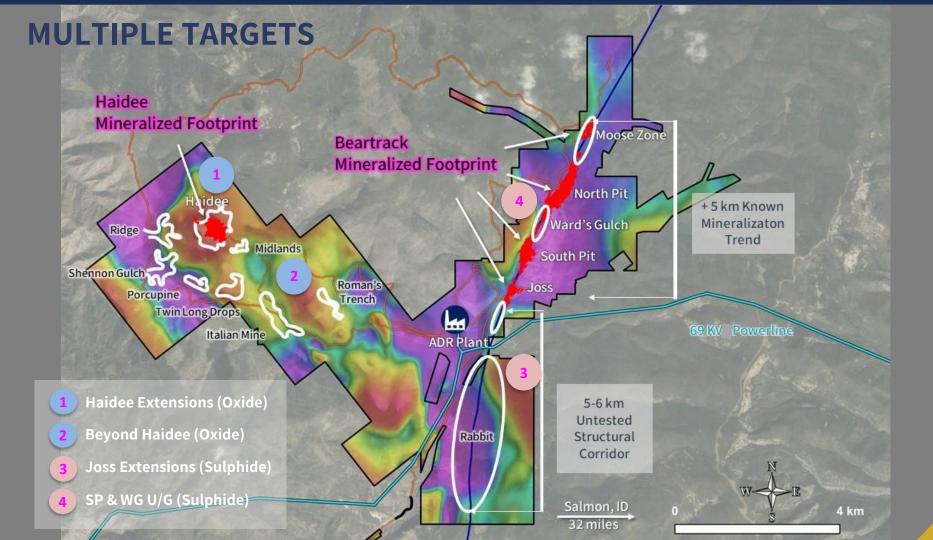
Quartz ± FeOx veinlets parallel to & crosscutting, structural fabric

> Altered & deformed Crowded Porphyry



Haidee mine dump

# **EXPLORATION UPSIDE**



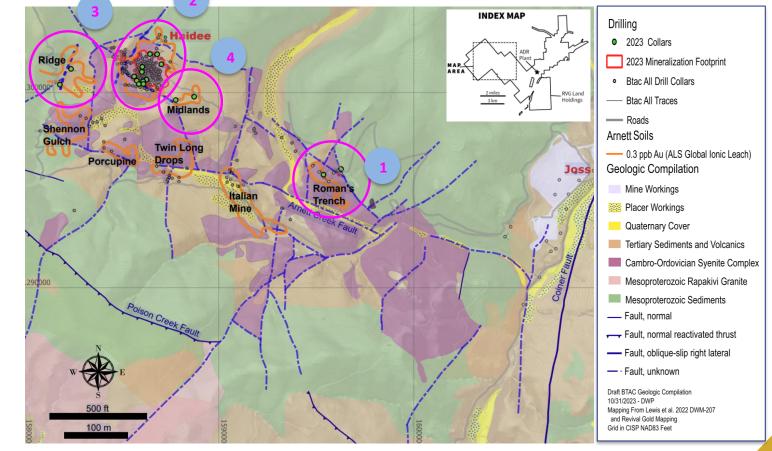
# **2023 DRILL PROGRAM**

#### Focus on nearsurface oxides

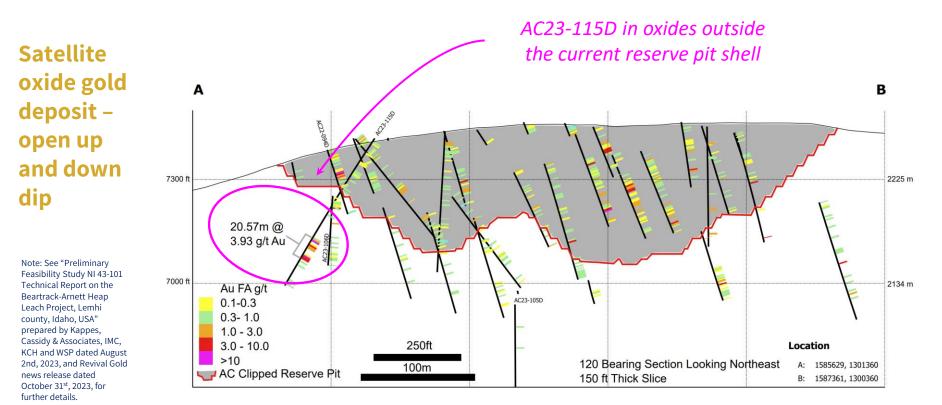
- Four target areas:
- 1) Roman's Trench
- 2) Haidee
- 3) Ridge
- 4) Midlands

Note: See Revival Gold news release dated June 12<sup>th</sup>, 2023, for further details.





## HAIDEE OXIDE GOLD DEPOSIT





## HAIDEE OXIDE GOLD DEPOSIT – AC23-115D

• Photo depicts **9.15 g/t gold over 4.3 m<sup>1</sup>** within 3.93 g/t gold over 20.6 m<sup>1, 2</sup>

1.3 m @ 14.75 g/t Au
 1.4 m @ 3.82 g/t Au
 1.6 m @ 9.24 g/t Au

Note: <sup>1</sup>Drilled width; <sup>2</sup> See Revival Gold October 31, 2023, news release for detailed results



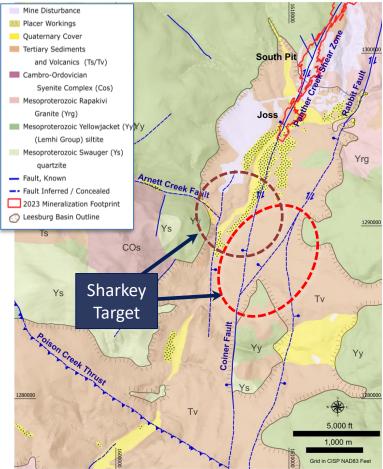


Qtz-iron oxide veinlets in faulted and brecciated Cambro-Ordovician Crowded Porphyry

# **BEATRACK EXPLORATION TARGETS**

#### • Sharkey Target:

- The PCSZ-Coiner Fault System may be a braided structure. Other structures in the fault system may also be mineralized (shown in red)
- Projected intersection of the Arnett & Coiner Faults where a zone of enhanced pre-mineralization permeability is predicted (shown in dark red)
- **Rabbit Creek Fault**: Smith Gulch area, there is evidence to suggest that both faults may be mineralized.
- Joss: along strike to the south & at depth

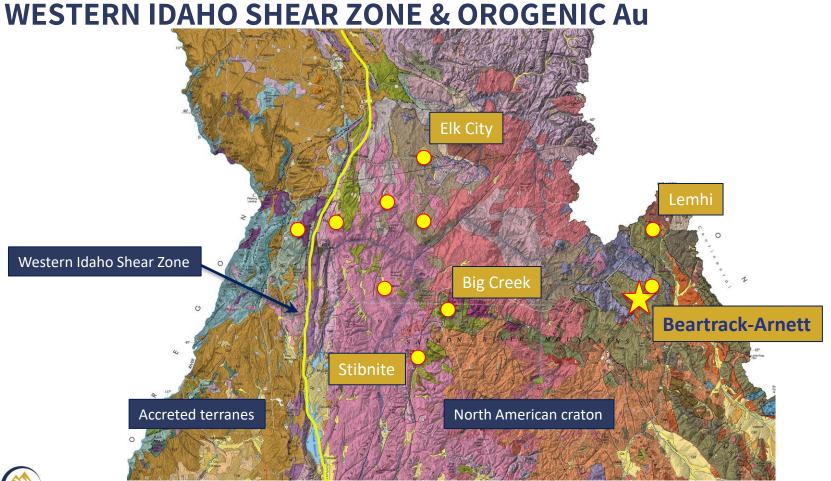




Source: Lewis et al, 2022. Geologic Map of the Jureano Mountain and Leesburg Quadrangles, Lemhi County, ID

# OROGENIC GOLD IN IDAHO

Gold Bars from the Beartrack Mine – Produced by Meridian



REVIVAL GOLD TS

TSX-V: RVG | OTCQX: RVLGF Source: Reed et al, 2012, Geologic Map of Idaho.

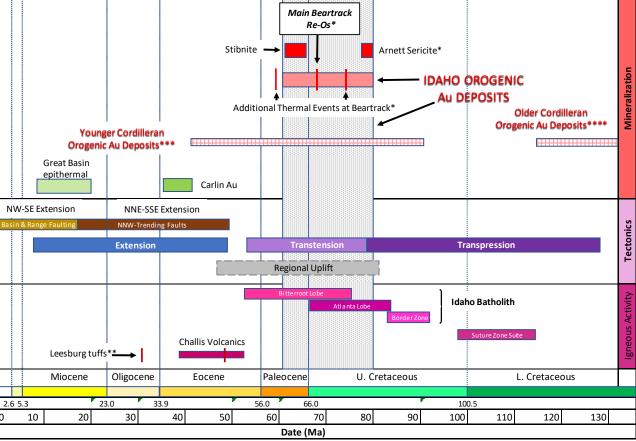
# **REGIONAL GEOCHRONOLOGY**

- Orogenic Au deposits in Idaho formed between 80 Ma & 61 Ma around the transition from transpression to transtension
- Orogenic Au deposits in Idaho formed during a period of regional uplift
- This coincides with the emplacement of the Idaho Batholith

**REVIVAL GOLD** 

• It also coincides broadly with the formation of other Cordilleran orogenic Au deposits

TSX-V: RVG | OTCQX: RVLGF



\*Unpublished dates from Meridian/RVG

\*\*Lewis et al, 2022. Geologic Map of the Jureano Mountain and Leesburg Quadrangles

\*\*\*Beartrack, Stibnite, Chichagof, Juneau, Bralorne, Cargo Muchacho, Caborca, Baja
\*\*\*\* Atlin, Klondike, Cassiar, Manson, Barkerville, Mother Lode

# **OROGENIC GOLD IDAHO-COMMON CHARACTERISTICS**

#### • Au-dominant deposits

- Mineralization occurs near regional shear zones
- Mineralization formed **late** in the deformation sequence under **brittle-ductile to brittle conditions** (Beartrack-Arnett; other deposits unknown)
- Overall low-sulfide content; **Au** associated **with pyrite and/or arsenopyrite,** native Au present locally
- Anomalous concentrations of As, Hg, W, Sb, Ag  $\pm$  Bi, Te
- No vertical or horizontal mineralogical or geochemical zoning over hundreds of meters
- Ubiquitous quartz-sericite-pyrite alteration in wall rocks
- Carbonate as a gangue or alteration mineral and/or CO<sub>2</sub>-rich fluid inclusions
- Feldspar as a gangue and/or alteration mineral
- Abundant placer gold
- Age dates consistent with other Cordilleran orogenic districts (Juneau, Chichagof, Bridge River, Caborca)

# **BEARTRACK-ARNETT CONTRIBUTORS**

Thanks to and all the folks past and present that contributed to our understanding of the project:

- $\circ$  Dan Pace
- $_{\circ}$  Cameron Egan
- o Mark Hawksworth
- $\circ$  Kent Turner
- Pete Blakeley
- $\circ$  Christine Johnson
- o Brett Davis
- $\circ$  Tony Norman
- $\circ$  Rick Schur
- $\circ$  Don Birak







#### **THANK YOU FOR YOUR TIME!**





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