

2024 Alaska Mining Industry Update



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Association for Mineral Exploration Roundup 2024

January 22, 2024



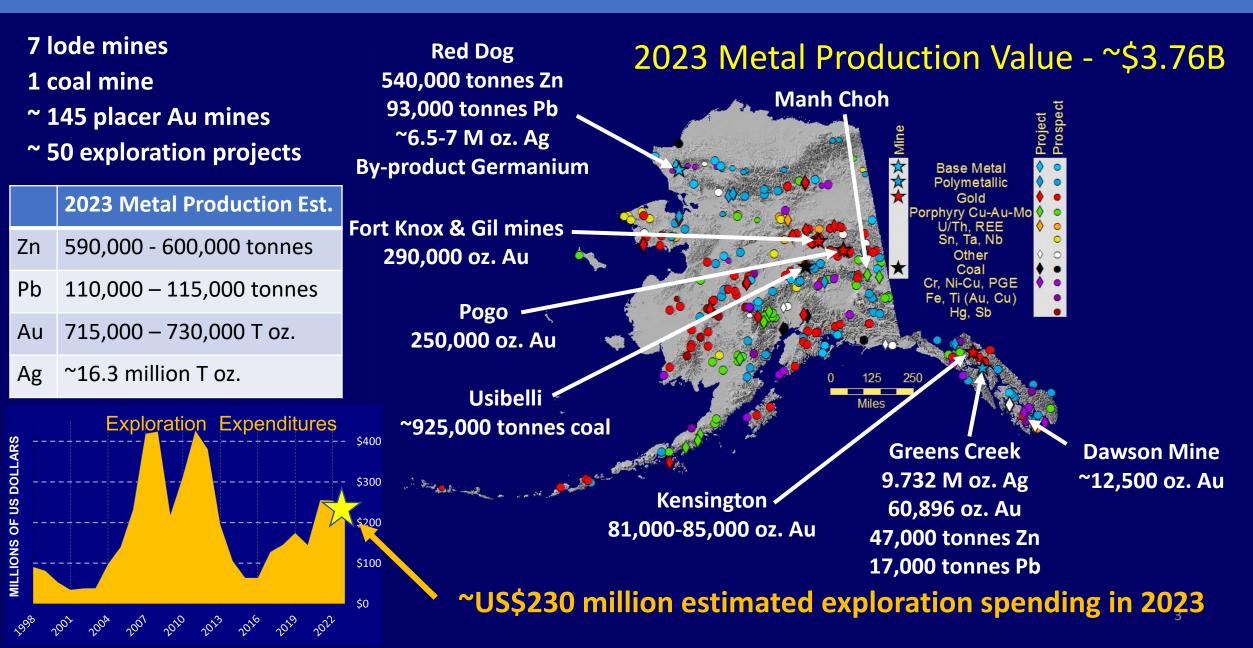
FOREWORD LOOKING STATEMENT

Thank you

- Data and images from Alaskan mining and exploration companies
- Presentation and interpretation of data collected is solely the author's responsibility
- Incomplete full year picture at this time (volumes and values are preliminary estimates)
- Many more projects were active than can be mentioned due to time constraints



2023 PRODUCTION & EXPLORATION SUMMARY



KINROSS ALASKA - FORT KNOX MINE



Open-pit gold mine; intrusion hosted

2023 production:

-Kinross poured their 9-millionth ounce of gold on 9/27 2023 -206,436 ounces produced thru 3rd Q -285,000-295,000 ounces expected 2023 production

Gilmore (West-Pit) Expansion

-Extends mine life through 2027 -Exploring west of Gilmore

Development:

Mill modified for expected Manh Choh ore

Exploration:

Testing extent and continuity of higher-grade ore-shears outside of current resource shell & exploration in district

Reserves & Resources (Dec. 31, 2022)	Million Tonnes	Au g/T	Ounces Au (million)
P&P reserves	177.964	0.3	1.935
Measured & Indicated	105.365	0.3	1.092
Inferred	30.285	0.3	0.273
Total	313.6	0.31	3.300





"new" Barnes Creek Heap Leach Pad Data from Kinross, 2023

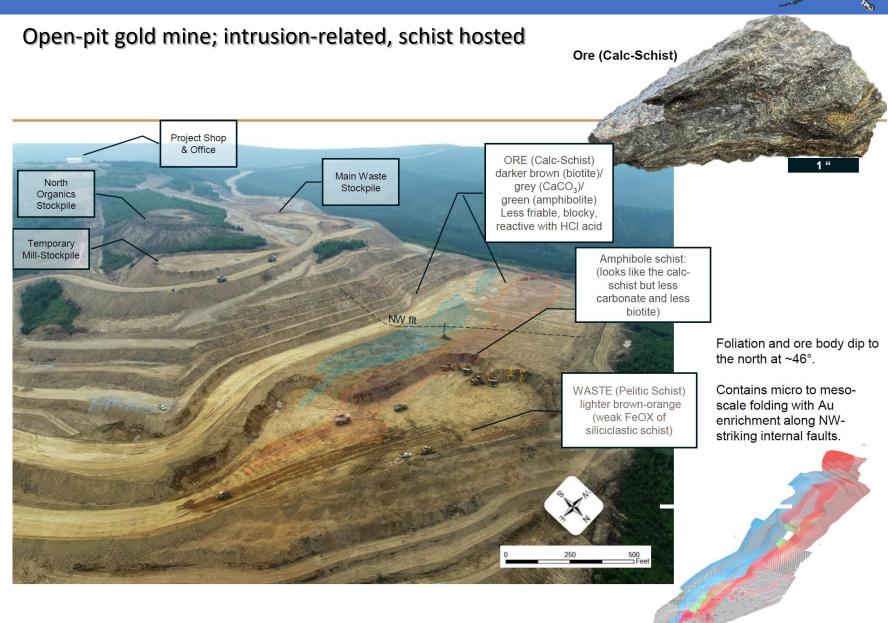


KINROSS ALASKA - GIL MINE

Gil Mine

~13 km east of Fort Knox Mine -Haul ore to Fort Knox mill using existing road network -Mining began in October 2021, with expected 2-year mine life, but plan to expand minesite in 2024 -Expected to produce ~160,000 oz. Au over a 2-year mine life -Adds 80-100 jobs -Blending Gil and Fort Knox ores (schist and granite hosted ore)





Data from Kinross, 2022

SW view of ore domains

KINROSS/CONTANGO ORE – MANH CHOH (PEAK)

Open-pit; Au-Ag-Cu skarn; Tetlin tribe native land

Groundbreaking ceremony on August 29 Lawsuit filed by NGO on October 23 against SOA DOT regarding ore haulage on Alaska highway system (~370 km)

Kinross 70% interest: Contango ORE retains 30% interest

- Kinross to receive management & toll milling fees for Contango's milling share
- Truck ore 370 km north to Fort Knox mill (NE of Fairbanks), ~2,700 tonnes/day
- Will add ~220,000 oz. Au/year to Fort Knox production
- Planned production mid-2024 2028, 500-600 jobs

2023 Manh Choh program (US\$39.6M):

- -Kinross completed Feasibility Study
- -Fully Permitted for production
- -Ore trucked to Fort Knox stockpile (5-8 trucks/day)
- -Fort Knox: processing, infrastructure upgrades
- -Detailed design, procurement, & construction
- -Manh Choh: camp & road access in progress
- -Construction 90% complete
- -August 29 groundbreaking ceremony

2023 Exploration:

-704 m (2,308 ft) core drilling, soil and rock sampling Infe



on	Metric		Kinross Estimate (100% basis)			100		
	First prod	uction				2024		
	Life of mir	ne				4.5 yea	ars	
	Total prod	uction (Au	eq. oz.)	~	1 million		
	Average A	AISC (Au e	q. oz.)		~	\$750/oz		
	Mined gol	d grade				~6 gpt		
	Initial cap	ital expend	litures		~\$	110 millio	on	
	ec. 31,	Million	Au		nces	Ag		nces
	ec. 31, 2021	Million Tonnes	Au g/T		nces llion)	Ag g/T		nces lion)
				(mi			(mil	
M	2021	Tonnes	g/T	<mark>(mi</mark> l 0.0	llion)	g/T	(mil 0.1	lion)
Me Inc	2021 easured	Tonnes 0.331	g/T 6.4	(mi) 0.0 0.7	llion) 068	g/T 16.7	(mil 0.: 2.7	lion) 178



Northern Star Resources - Pogo Mine 🏂

- Underground, shear zone/quartz vein-hosted gold, 4.8Moz mined FY2023 production forecast:
- -187,837 ounces of gold produced through 3rd Q
- -250,000 oz Au forecast for CY2023
- -916,744 T ore mined through 3rd Q

2023 Goodpaster Area Drilling (2 km west of Pogo mill): -2022 Maiden UG inferred mineral resource estimate of 3.2M Tonnes @ 10.3 g Au/T for 1.1M oz Au -Drilling in 2023 but no results announced

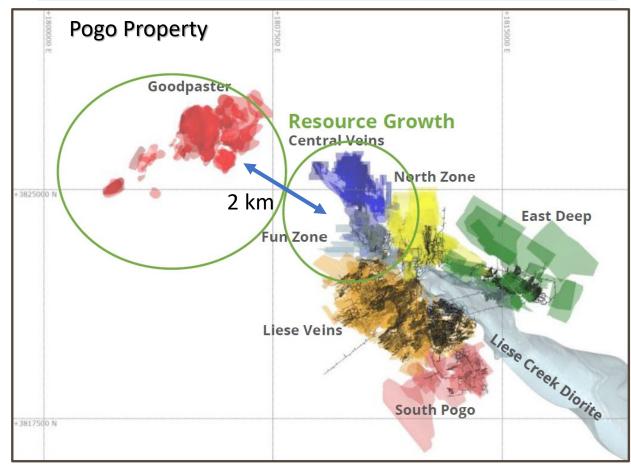
2023 Activities:

-Focusing on optimization initiatives to reach 300,000 oz Au annual production rate



March 31, 2023Million
TonnesAu
g/TOunces
(million)Reserves5.8678.51.618Resources (incl. reserves)27.04110.38.964

Data from Northern Star Resources, 2023



COEUR ALASKA - KENSINGTON MINE

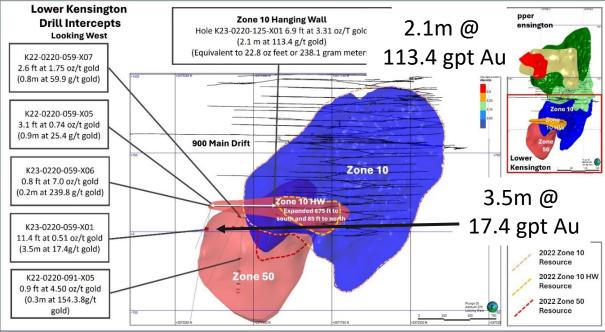
Total

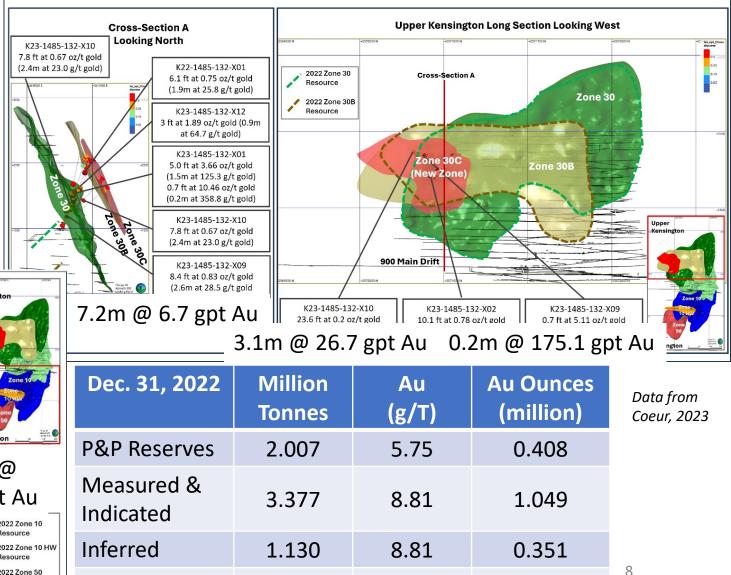
Underground mesothermal gold quartz-vein system

- -Guidance (2023): 81,000 85,000 oz. Au
- -Produced 58,103 oz. Au thru 3rd Q
- -Current mine life through 2026
- -Mining Kensington, Jualin, Raven, Elmira veins

2023 drilling program (\$6.2M after 3 Q)

-Multi-year exploration program to extend mine life
-New zone (30C) drilled in Upper Kensington Vein
-Expansion & infill: Elmira, Kensington, Johnson veins





7.87

1.808

6.514

Upper Kensington Drill Intercepts

HECLA - GREENS CREEK MINE

Volcanogenic massive sulfide deposit, Southeast Alaska

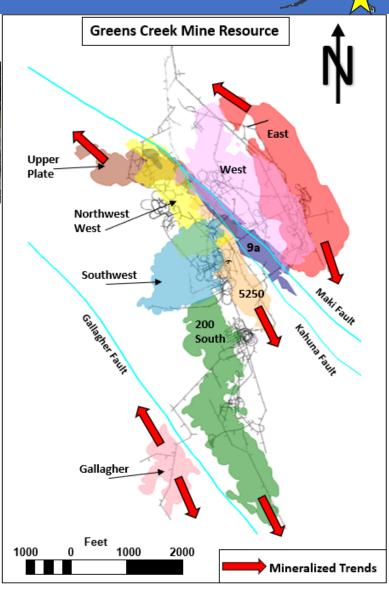
Dec. 31, 2022	Million Tonnes	Zn %	Pb %	Au g/T	Ag g/T
P&P reserves	10.048	6.5	2.5	2.5	341
Measured & Indicated	7.639	8.0	2.9	3.1	403
Inferred	2.162	6.9	2.8	2.2	378
Total	19.849	7.1	2.7	2.9	369



2023 Production (announced 01/10/24):

9.731 M oz. Ag; 60,896 oz. Au; forecast 47,000 T Zn; forecast 17,000 T Pb

- -Through 3 Quarters, produced 7.47 Moz Ag, 46,245 oz Au, 13,307 T Pb, 35,345 T Zn
- -Reserve-only mine life increased out to 2037
- -Ore tonnes have doubled in past 15 years
- -Currently mining East Ore Zone and Upper Plate reserves
- -Q1 2023 record mill throughput of 2,351 T/day
- Drilling Program (\$47-50M Capital and Exploration forecast):
- 2 helicopter-supported surface drills and 4 underground drills
- -UG definition and exploration drilling (13,100 m), 109 holes for resource conversion and exploration, most drilling in Upper Plate Zone, but 4 holes in 5250 Zone -Surface drill testing (3,627 m), 21 holes extended Upper Plate and East ore zones



Data from Hecla Mining, 2022

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TECK ALASKA - RED DOG MINE



Sediment-hosted Zn-Pb-Ag deposit Open pit; Began operating in 1989 Mine life through 2031

2023 Production (announced 01/15/24):

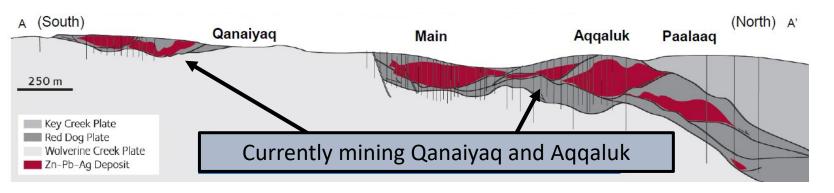
539,800 tonnes Zn; 93,400 tonnes Pb ~6.5 million ounces Ag By-product germanium





Dec. 31, 2022	Million Tonnes	Zn %	Pb %	Ag g/T
Reserves	38.5	12.4	3.6	66.2
Indicated	5.4	8.1	7.2	131.7
Inferred	8.7	12.8	4.6	90.0
Total	52.6	12.0	4.1	76.9

-2024 Red Dog zinc production forecast at 520,000-570,000 tonnes
-Mill throughput hampered by mill shutdowns in 3rd Q
-Ore grade for first 3 Quarters of 2023 averaged 15.4% Zn and 4.5% Pb
-Extensive exploration at nearby deposits



Data from Teck, 2023

TECK - RED DOG AREA EXPLORATION

Aktigiruq / Anarraaq / Lik(Su) Zn-Pb-Ag-Ba deposits

Sediment-hosted massive sulfide deposits

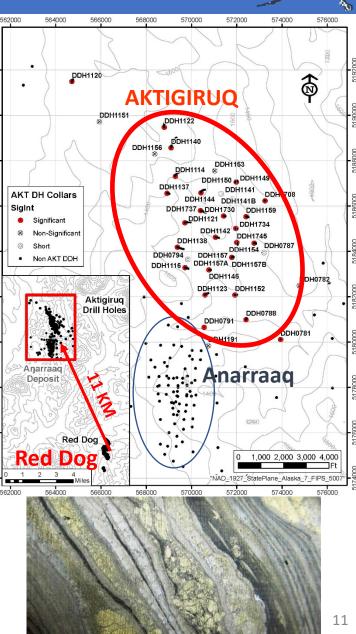
- Anarraaq inferred resource (Dec 2016): 19.44 M T @ 14.4% Zn, 4.2% Pb, 73 g/T Ag

- Aktigiruq exploration target (Sept. 2017): 80-150 M tonnes @ 16-18% Zn+Pb
- Lik(Su): Indicated Resources of 18.1 M T @ 8.1% Zn, 2.7% Pb; Inferred Resources of 5.34M T @ 8.7% Zn, 2.7% Pb

2023-2024 Programs:

- Resource-definition drilling at Aktiguruq and Anarraaq
- Ore bodies are 400 to 1,000 m below surface
- Anarraaq + Aktigiruq: Optimizing 2014 scoping study
- Lik(Su) JV w/SolitarioZinc Corp.: field work,
 drilling & resource work to confirm historical
 data
- Primary focus is Aktigiruq scoping-level studies for an underground mine leveraging existing mill and supporting facilities at Red Dog mine.





SUNDANCE MINING GROUP – DAWSON MINE

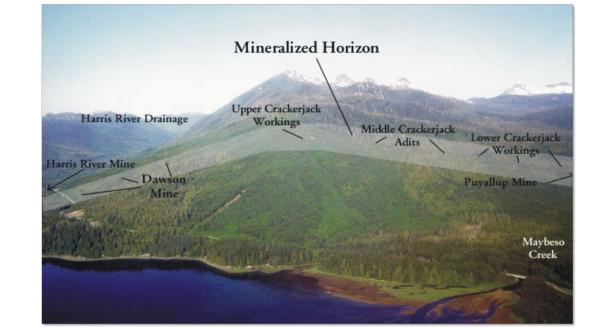
Underground orogenic gold quartz-vein system -2.4-km-long, N-S-oriented, orogenic gold vein-fault system -Vein thickness: generally 0.6 m to 1.2 m (up to 1.8 m) -Initiated production in April 2019; 50 employees -Room-and-pillar, up-dip-jackleg-slusher underground mine -Mill ~150 short tons/day (est.); gravity separation -Average mill feed grade 2021 is 0.720 oz. Au/ton -2021 average mill recovery = 86% -Production: 12,821 oz. Au (2021), similar output in 2023





Data from Sundance Mining Group, 2022





USIBELLI COAL MINE



Data from Usibelli Coal Mine, 2023

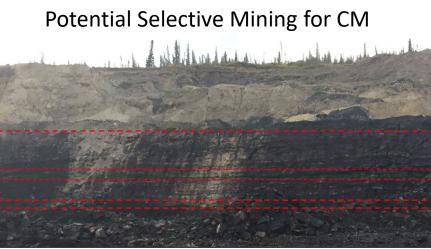
- Mining since 1943
- 2021 production ~945,286 tonnes
- 2022 & 2023 production steady at ~945,000 947,000 tonnes
- Regional Interior Alaska electrical generation
- 2023 Early September set 1,000 days without a lost-time accident (1,125+ days and counting! – new all-time)

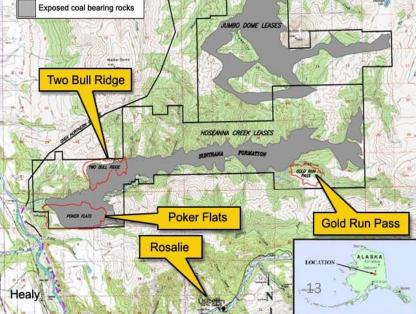


Looking for Value-Added Opportunities:

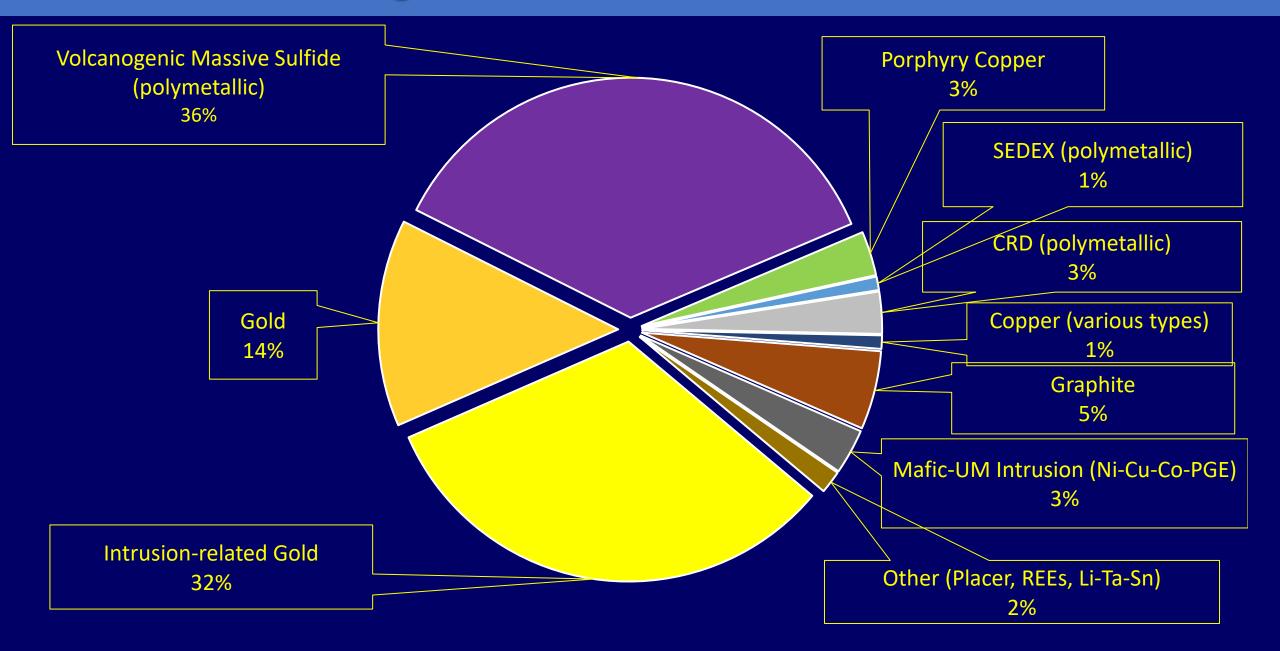
Drilled 13 holes, ~610 m; HHXRF and ICPMS studies to inform future drilling - Researching potential to extract critical minerals (CM) and Rare-Earth Elements (REEs) from waste streams:

> -Overburden and inter-burden -Low BTU waste coal -Power plant ash

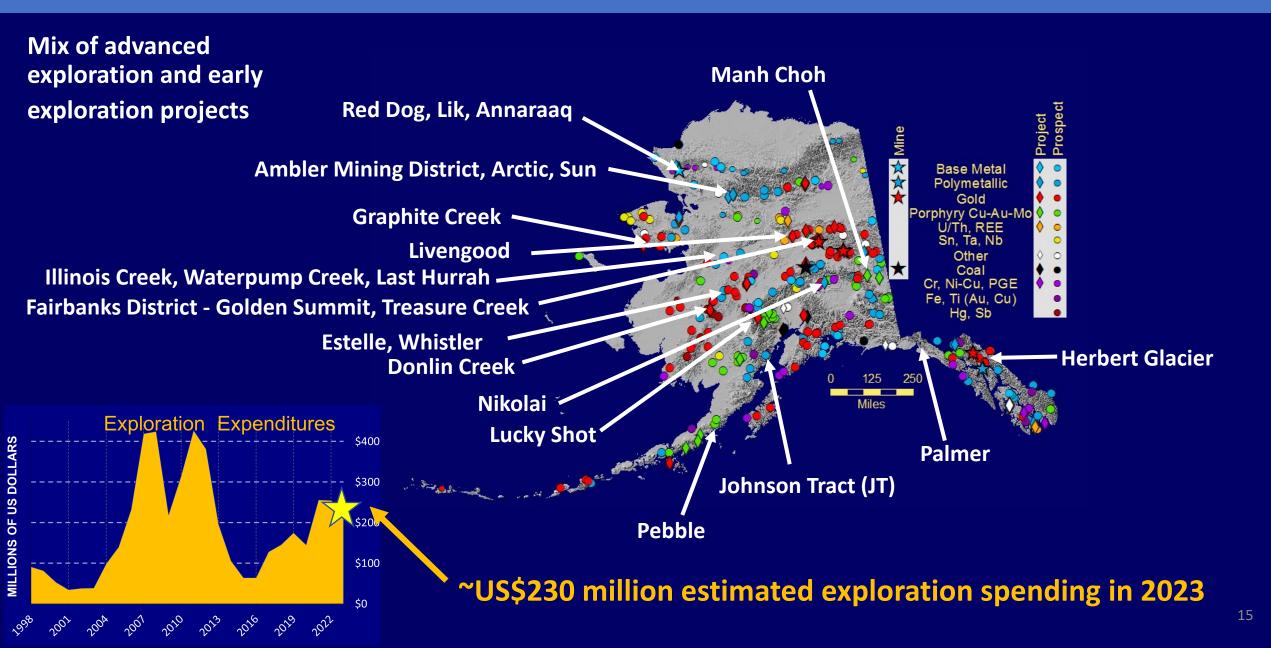




2023 Alaska Exploration



2023 EXPLORATION



AMBLER METALS – ARCTIC & BORNITE

Volcanogenic massive sulfide, Northwest Alaska [50% Trilogy Metals Inc./50% South 32 Limited]

	Million Tonnes				Au g/T	<u> </u>
Probable Reserves	43.4	2.2	3.1	0.54	0.47	35

2023 program (US\$9.2 M):

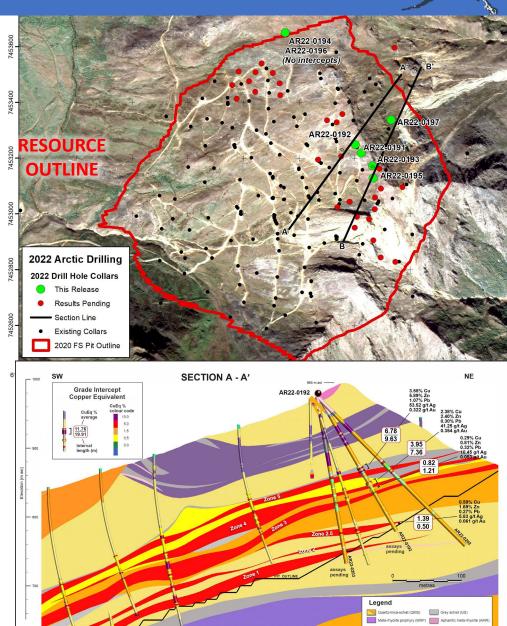
- -Geologists working through data generated during US\$28.5 M 2022 program
- -Advancing engineering efforts and resource estimation at Arctic, with modeled 12-year minelife
- -Preparations for submission of Arctic mine permits

-Sampling core from the Bornite Cu-Co deposit for USGS study on germanium mineralogy

Ambler Mining District Industrial Access Road project

-U.S. BLM published a draft SEIS during Q3 2023, plan a Final SEIS in Q1 2024, & plan to issue ROD in Q2 2024 -Planned 2023 \$24.6 M (50:50 AIEDA:Ambler Metals) for pre-development work

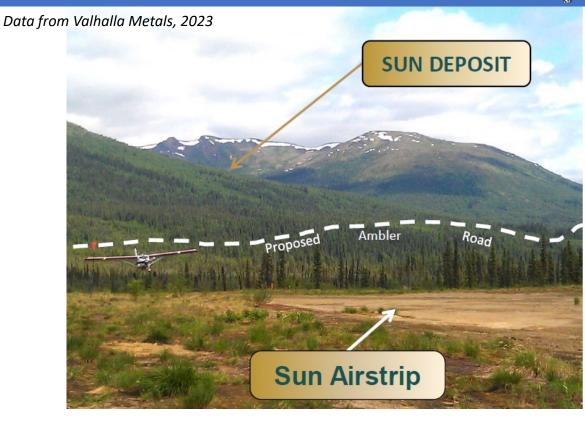
Data from Trilogy Metals, 2023



VALHALLA METALS - SUN

Volcanogenic massive sulfide, Northwest Alaska

	2021 Oct.	Million Tonnes	Zinc (%)	Copper (%)	Lead (%)	Silver (g/T)	Gold (g/T)			
	Indicated	1.713	4.32	1.48	1.11	60.0	0.21			
	Inferred	9.018	4.18	1.21	1.46	81.7	0.25			
	Total	10.731	4.20	1.25	1.40	78.2	0.24			
	AdTau_with SfX axis									
7450000	Plan View scale 1 : 125000 Sun 0m 2000m 4000m 6000m 8000m									
7445000										
				and the second second		XIII				



Historical Drilling & Exploration: -97 DDH, 19,123 m

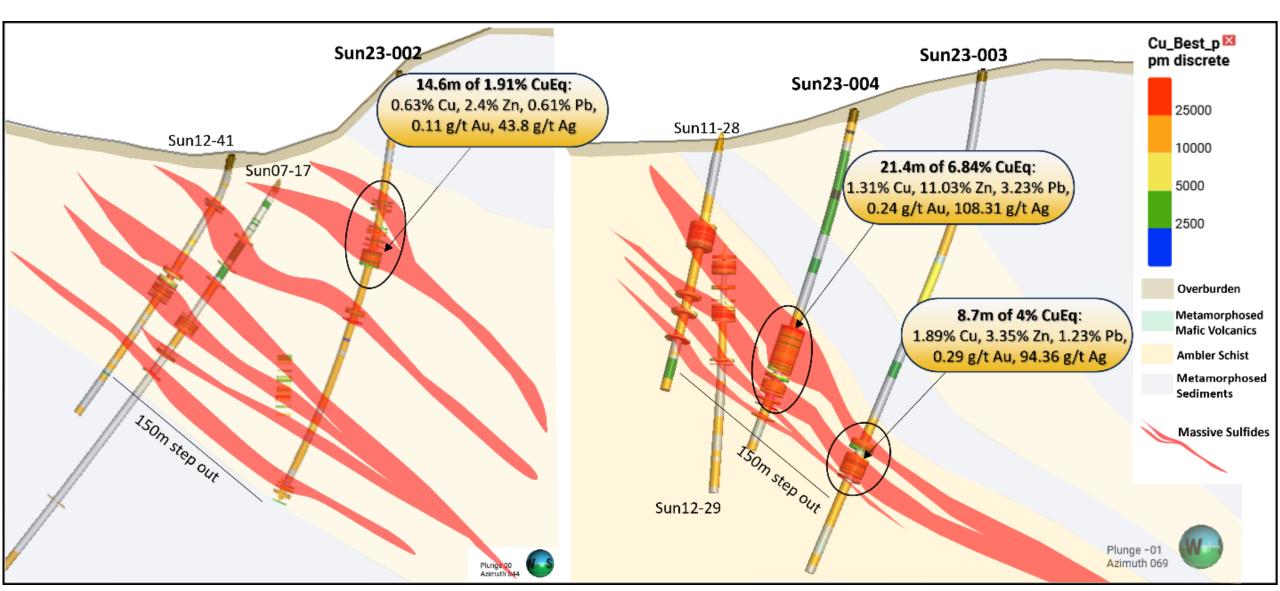
2023 program:

-Using 2019 Airborne VTEM Survey, 2021 –2022 conductiveplate modelling -Drilled 4 holes; 1,104 m

VALHALLA METALS - SUN



Cross Section -2023 Geology and Assay Results



GRAPHITE ONE – GRAPHITE CREEK

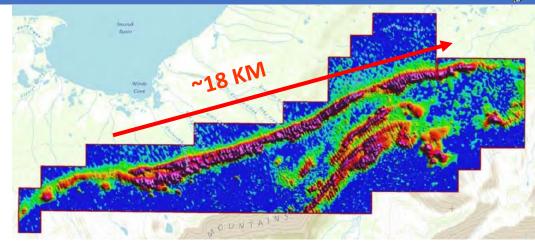
Graphite Creek, Seward Peninsula, Alaska

- -USA's largest large-flake graphite deposit
- only 1 sq km of 16-sq-km geophysical anomaly explored to date

3/13/2023 News Release	Tonnes (Million)	Cg %	Graphite (M Tonnes)
Measured	5.63	5.75	0.32
Indicated	31.96	5.03	1.61
Inferred	243.70	5.07	12.34
Total	281.29	5.08	14.27

2023 program:

- -\$4.7M U.S. Dept of Defense to develop fire-suppressant foam
 -\$37.5M U.S. DoD grant to accelerate pace of publishing FS
 -\$2.0M investment by Bering Straits Native Corporation
 -8,736 m drill program, 57 holes
- -All 52 core holes in the resource area encountered visual graphite
- -Drill results -6.7 18.2 m thick intercepts grading 6.4 14.9% C-Graphite, with up to 3.5 m grading 27.74% C-graphite



~18 km of potential revealed by Time-Domain EM Survey (red=conductive graphitic units)



Western Alaska Minerals – Illinois Creek 🎄

2023 Program:

-published updated NI 43-101 report -anticipate updated inferred mineral resource estimation in 1Q 2024 -Step-out drilling on WPC

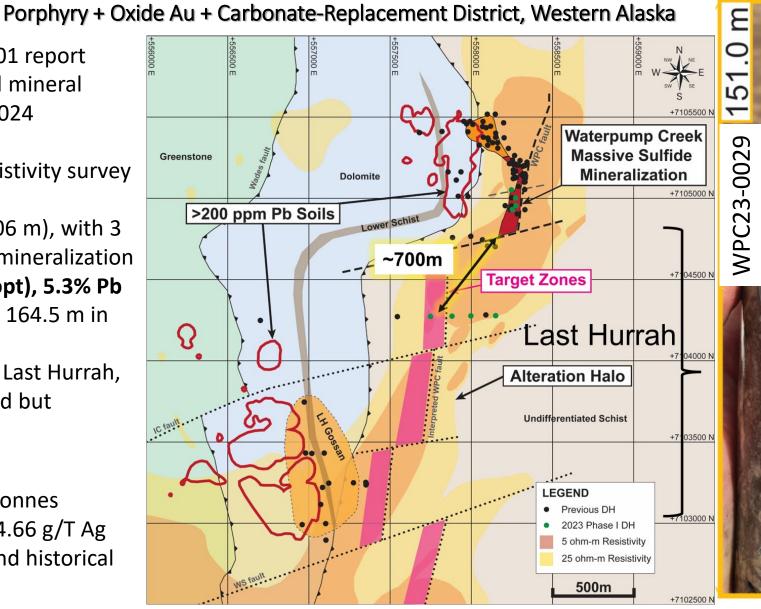
-3-D distributed array IP/resistivity survey at the WPC project

-5 holes drilled at WPC (1,706 m), with 3 of 5 holes intersecting CRD mineralization

-**19.4 m of 158 gpt Ag (5.1 opt), 5.3% Pb** and **11.5% Zn** from 145.1 to 164.5 m in hole WPC23-0029,

-9 holes (5,119 m) drilled at Last Hurrah, no mineralization intersected but extensive alteration

Illinois Creek mine (Au, Ag): -2021 resource of 10.14 M tonnes @ 0.21% Cu, 0.91 g/T Au, 34.66 g/T Ag -Resource includes In-situ and historical heap leach pad resources



FREEGOLD - GOLDEN SUMMIT



Intrusion-related gold system - Fairbanks District

Golden Summit Area

- +500,000 oz past UG production; >1 oz. Au/T in quartz veins
- +6.75 M oz. placer Au recovered from streams draining project area

2023 Program:

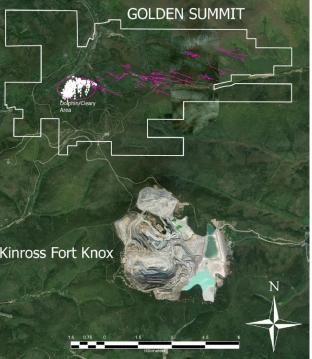
-Announced updated mineral resource for Dolphin-Cleary, **12Moz Au indicated resource and**

7.7 Moz Au inferred resource

-Resource expansion drilling, 44 holes completed in Dolphin-Cleary and Saddle zones,

-67.1 m of 4.25 g/t Au from a depth of 438 m in GS2333

- -73.2 m of 2.3 g/t Au from 431.9 m in GS2309.
- -24.5 m of 2.6 g/T Au from 82.5 m in GS2329
- -56.7 m of 1.02 g/t Au from a depth of 161 m in GS2301
- -1.6 m of 17.65 g/t Au from 130.7 m in GS2305



Dolphin Resource (Feb. 2023)	Million Tonnes	Au Eq (g/T)	Ounces (million)
Indicated	407.54	0.92	12.00
Inferred	282.3	0.85	7.7
Total	689.84	0.89	19.7

Updated resource incorporated 2017, 2020, 2021, and 2022 drilling)



DDH GS2001: Intense silicification and veining hosted in schist

Data from Freegold Ventures, 2023

FELIX GOLD – TREASURE CREEK & NE FAIRBANKS

Intrusion-related gold-antimony systems

11m @ 0.3

46m @ 0.7

RC73 41m @ 0.4 +

14m @ 0.3

RC75 35m @ 1.8

RC72 18m @ 0.5

18m @ 1.0

Treasure Creek

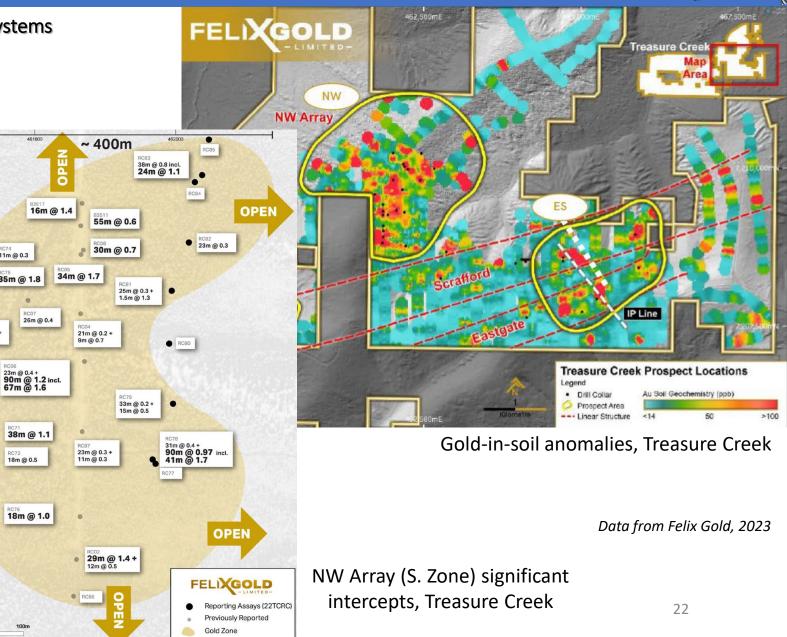
- -20 km West of Fort Knox gold mine -Placer gold production in creeks draining claims
- -Multiple >1 km Au-in-soil anomalies -Near-surface, bulk-tonnage potential

2023 Program:

- -Key targets: NW Array zone at Treasure Cr. -4,695 m drill program
- -50 RC holes; average depth 100 m
- -focused on NW Array Southern Zone
- delineating maiden resource

Select results:

- -100.5 m averaging 1.14 g/t Au from 21.3 m in hole 23TCRC135.
- -70.1 m averaging 1.6 g/t Au from 6.1 m in hole 23TCRC138.
- -53.3 m averaging 1.88 g/t Au from 30.5 m in hole 23TCRC153.
- -54.9 m averaging 1.8 g/t Au from 1.5 m in hole 23TCRC155.



Alaska Energy Metals – Nikolai

Α

Mafic intrusion-hosted Ni-Cu-Co-PGE project, southcentral Alaska

-2023 program (\$5.5M):

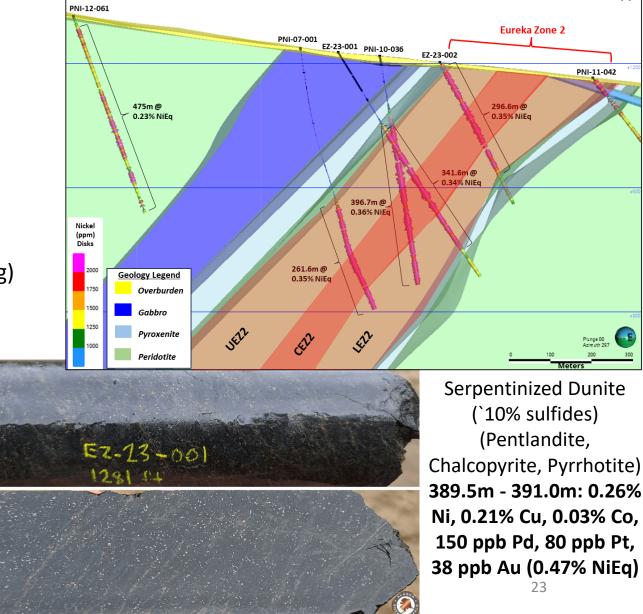
-Completed 8-hole, 4,138 m of helicopter supported diamond drilling program

-Purchased historic Nikolai data set - \$1.0 million (includes geophysics and results from 116 drill holes, 35 within Eureka area)

-Collected 27-line km of CSAMT and 16-line km of EM -Calculate maiden, NI 43-101 compliant, Inferred Resource Nov 20 2023 (Purchased Data) and update March 2024 (2023 Drilling)

Eureka Property (Eureka East and West Areas) Inferred Resource of 319.6 million tonnes grading 0.30% NiEq% and containing:

1,552 million pounds of nickel 373 million pounds of copper 115 million pounds of cobalt 419,138 ounces of platinum 802,003 ounces of palladium 119,915 ounces of gold



NOVA MINERALS – ESTELLE PROJECT

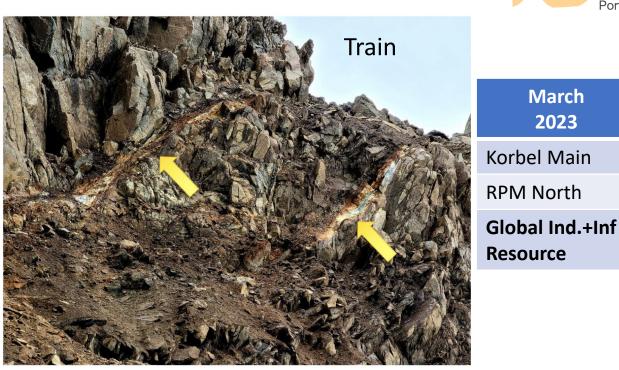
March

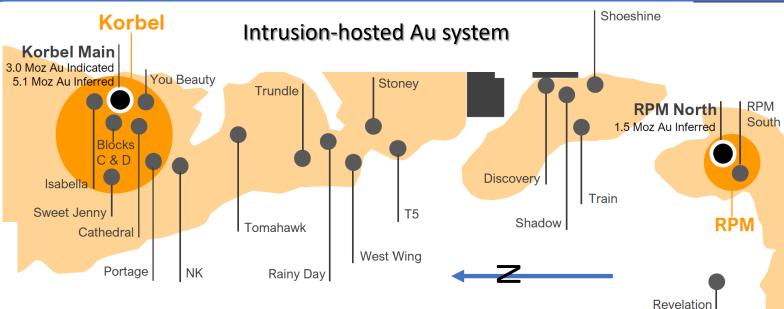
2023



2023 Program:

-7,500 m drill program at RPM and Train areas - 6 of 7 holes at RPM South with long intervals of near surface Au at >0.73 gpt Au including -30 m @ 1.2 gpt Au from 30 m in hole RPM-039 -23 m @ 1.1 gpt Au from 14 m in hole RPM-042 -Updated mineral resource estimates (March 2023)





Ounces

(million)

8.65

1.24

9.89

Data from Nova Minerals, 2023

Au

(g/T)

0.3

0.6

0.3

Tonnes

(millions)

1.040

62

1,102



Donlin Gold - Donlin

<u>2020-2022 Programs – US\$142 M:</u> Proposed open-pit gold mine; structurally controlled, intrusion related -305 DDH, 89,931-m in ACMA, Lewis, & Divide [50% Barrick Gold Corp./50% NovaGold Resources Inc.]

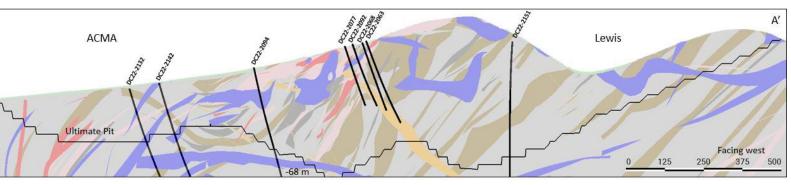
<u> 2023 Program – US\$34M:</u>

-Geotechnical + hydrological fieldwork to advance
Alaska Dam Safety certificate applications
-Permitting activities, including hydrological drilling
in areas of planned pit and infrastructure
-Mine optimization (geologic & resource models)
-Lawsuit filed in April 2023 by 3 Alaska Native groups
challenging issuing of permits and adequacy of 2018
environmental review by U.S. COE

June 2021	Million Tonnes	Au (g/T)	Ounces (million)						
Proven & Probable Reserves	504.8	2.09	33.9	[
Resources;	Resources; inclusive of reserves*								
Measured & Indicated*	541.3	2.24	39.0	/					
Inferred	92.2	2.02	5.99						
Total	633.6	2.21	45.0	(

Reserve Pit 1 Queer Snow Activation Activation B km Projected production: 1.1 M oz. of Au/year 2-year mine life

3D-view of Donlin property, open pit outline, & Au-in-soils showing additional potential Only 5% of 489 sq km land package explored



Cross-section through ultimate pit, looking west; ACMA-Divide-Lewis deposit areas

Data from Donlin Gold, 2023



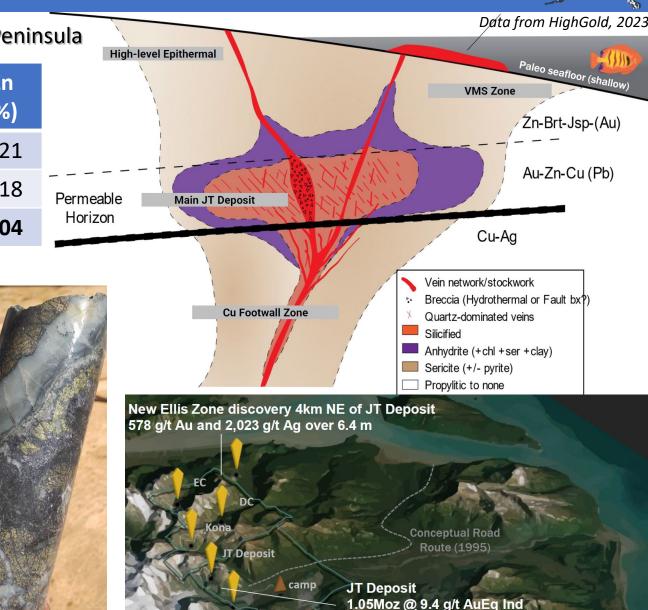
HIGHGOLD MINING – JOHNSON TRACT

High-grade Au-Cu-Zn-Ag-Pb polymetallic VMS deposit, Alaska Peninsula

JT resource July 12, 2022	Million Tonnes	Au g/T	Ag g/T	Cu (%)	Pb (%)	Zn (%)
Indicated	3.489	5.33	6.0	0.56	0.67	5.21
Inferred	0.706	1.36	9.1	0.59	0.30	4.18
Total	4.195	4.66	6.5	0.57	0.61	5.04



- -33 drillholes, 7,648 m drill program
- -27 exploration holes and 6 geotechnical holes -Drilling Highlights:
- -56.6 m at 4.87 g/t Au, 0.61% Cu, 3.5% Zn in hole GT23-004 (main JT deposit)
- -2.2 m at 49.9 g/t Au, 25 g/t Ag, 1.5% Cu, 8.4% Zn in hole DC23-070 (Ellis Zone)
- -1.4 m at 11.6 g/t AuEq (4.51 g/t Au, 16 g/t Ag, 1.9% Cu, 1.1% Pb, 7.0% Zn in hole DC23-071 (Ellis Zone) -Metallurgical test program confirmed excellent metal recoveries to high-quality concentrate products -Property-wide 666-line-km geophysical survey



0.11Moz @ 4.8 g/t AuEq Inf

PEBBLE LIMITED PARTNERSHIP - PEBBLE

Porphyry Cu-Mo-Au-Ag (Re, Pd) Deposit

--Dec. 1, 2022 - U.S. EPA announced "CWA Section 404(c) Recommended Determination" to prohibit/restrict use of Bristol Bay watershed for developing Pebble deposit; step 3 in the 4-step review process

2023 events:

2022 events:

-State of Alaska filed suit against U.S. EPA with U.S. Supreme Court claiming violations of Alaska's sovereign authority

2024 events:

-On January 8 2024, the U.S. Supreme Court announced that they would not take up the case

-State of Alaska announced that it will proceed with

lawsuits against the EPA in lower federal district courts

No. _____, Original IN THE Supreme Court of the United States STATE OF ALASKA, Plaintiff, U. UNITED STATES OF AMERICA; MICHAEL S. REGAN, ADMINISTRATOR OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY, Defendants. MOTION FOR LEAVE TO FILE BILL OF COMPLAINT



Dec. 2017	Million Tonnes	Cu Billion pounds	Cu (%)	Au (g/T)	Mo (ppm)	Ag (g/T)
Measured	527	4	0.33	0.35	178	1.7
Indicated	5,929	53	0.41	0.34	246	1.7
Inferred	4,454	25	0.25	0.25	226	1.2
TOTAL	10,910	82	0.34	0.30	235	1.5

Oct. 2020: 2.6M kg Re (M&I) and 1.6M kg Re (Inferred)

PEA (Sept. 2021):

-Open-pit mine; ~20-year mine life; 180,000 T/day -Long-term metal prices: IRR=15.8% & NPV(7%)=US\$2.3B; (for values with royalty applied, see 2022 PEA update) -LOM metal production: 6.4 B lbs. Cu, 7.3 M oz. Au, 300 M lbs. Mo, 37 M oz. Ag, 230,000 kg Re -Ave. annual production: 320 M lbs. Cu, 363,000 oz. Au, 1.8 M oz. Ag, 15 M lbs. Mo, 12,000 kg Re -Evaluates expansion scenarios and onsite gold plant

GRANDE PORTAGE RESOURCES – HERBERT GOLD

Orogenic gold-quartz vein system, Southeast Alaska



- 2023 Program : Quartz vein with asp, py, gl, spl, and VG
- 3,500 m planned drill program
- 9 exploration holes completed by October31
- 2023 drilling for Goat Vein and Sleeping Giant Vein Significant Drill Results 2023 program:
- -1.10 m of 7.66 gpt Au from 281.00 m (Goat Vein, 23P-1) -2.83 m of 7.75 gpt Au from 297.00 m (Goat Vein, 23P-2) -3.39 m of 9.87 gpt Au from 277.21 m (Goat Vein, 23P-4) -2.95 m of 17.4 gpt Au from ? m (Goat Vein, 23M-1) -1.2 m of 7.83 gpt Au from ? m (Sleeping Giant Vein, 23AB-5)

2023 Tor rces	nnes (T) Au (g/T)	Au ounces	Ag (g/T)	Ag ounces
ired		-		
ted 3,6	637,000 10.23	1,196,800	5.87	686,700
ed 1,1	138,000 8.91	325,900	4.63	169,300
4,7	775,000 9.91	1,522,700	5.57	856,000
4,7	775,000 9.91	1,522,70	00	0 5.57

Data from Grande Portage Resources., 2023

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AMERICAN PACIFIC MINING/DOWA - PALMER

Volcanogenic Massive Sulfide, Southeast Alaska

American Pacific Mining & Dowa Metals & Mining Alaska Ltd.

Dec. 2018	Million Tonnes	Cu %	Zn %	Ag g/T	Au g/T	Barite %
Indicated	4.677	1.49	5.23	30.8	0.30	23.9
Inferred	9.594	0.59	4.95	69.3	0.39	27.7
Total	14.3	0.89	5.04	56.6	0.36	26.5

2023 program (US\$25.5M):

-7,791m, 27-hole resource infill drilling at South Wall Zone (Zone 1 & Zone 2-3)

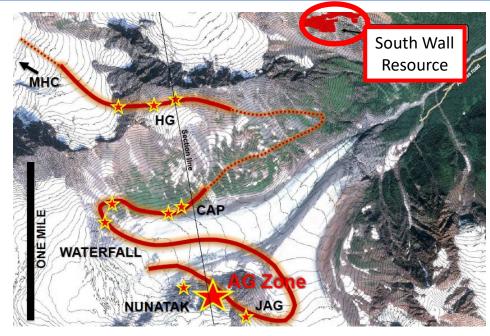
- -2,3650-m, 10-hole geotechnical-hydrology drill program in Palmer area
- -2 hole, 447m drill program at Christmas Creek
- -Camp construction for seasonal exploration

-Environmental baseline studies, compliance work, & permitting -Metallurgical studies on South Wall and RW Zone mineralization



Data from American Pacific Mining Corp., 2023

CM23-153 core pictured from part of 1.5 m interval that returned 0.667% Cu and 32.45 % Zn



Significant Drill Results 2023 program:

-30.7 m of 2.59% Cu and 11.21% Zn, including 6.53% Cu over 2.9 m (CMR23-162B)

-39.1 m of 1.44 % Cu, 5.87 % Zn and 25% barite (CMR23-165) -18.4 m of 1.61% Cu and 14.7 m of 2.66% Cu and 2.93% Zn (CMR23-161)

-10.8 m of 1.28% Cu, 13.13% Zn and 110.25 g/t silver in the RW Oxide Zone

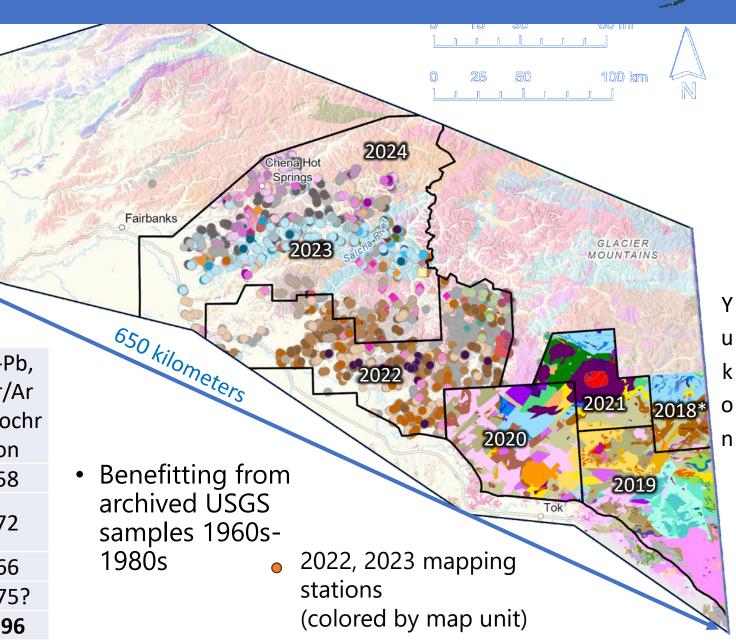
-23.4 m of 1.78% Cu and 13.73% Zn, including 30.16% Zn over 6.2 m in hole CMR23-153 $^{\rm 29}$

ALASKA GEOLOGICAL SURVEY MINERAL GEOLOGIC MAPPING

ampar

- 2023: Very large map area
- Earth MRI Funding (USGS) w/ SOA
- Mix compilation and new mapping
- Resolve conflicts between existing maps
- Data to refine & map modern units: magmatic suites, metamorphic terranes (including areas mapped in detailed 1990s-2000s)

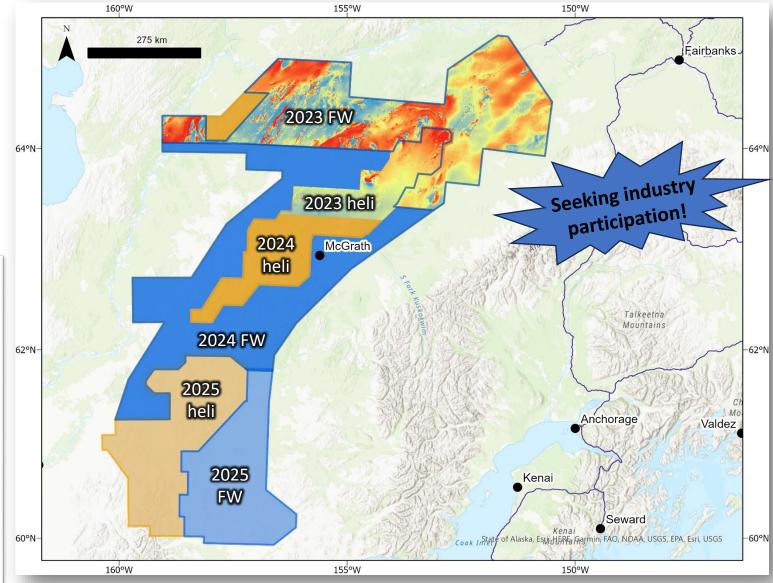
					U-Pb,
			Person-	Rock	Ar/Ar
	Square	Square	days in	Geoche	Geochr
	miles	km	field	m	on
FFY2019	1,865	4,829	315	407	58
FFY2020	1,717	4,446	220	320	72
FFY2021	899	2,328	320	146	12
FFY2022	3,102	8,033	460	401	66
FFY2023	5,604	14,515	505	428	~75?
Total	13,187	34,151	1,600	1,702	196



NEW AIRBORNE GEOPHYSICAL SURVEYS

- New data releases soon (in 2023 flew 87,000 line-km fixed-wing and 25,000 line-km helicopter)
- Industry partners sought for upcoming magnetic-radiometric surveys in the Kuskokwim Mineral belt





THANK YOU!

Visit Booth 607

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