







### 2020 Alaska Mining Industry Update



### **Melanie Werdon**

Alaska Division of Geological & Geophysical Surveys

AME Mineral Exploration Roundup January 18, 2021



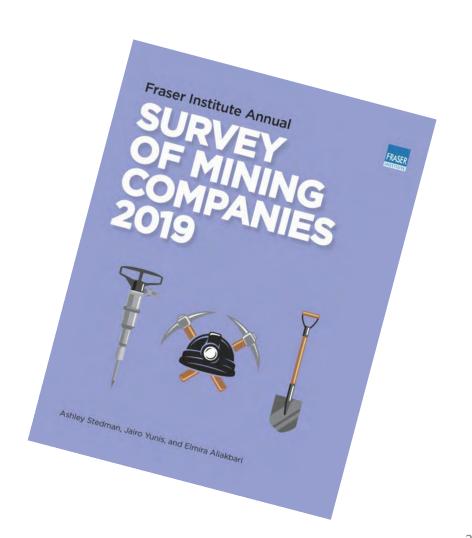




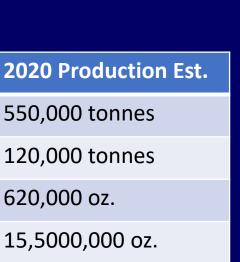
### 2019 Fraser Institute Report

# **ALASKA**

- World's 4th most attractive development area
- Top U.S. state for mineral potential
- Top U.S. state for mining-friendly regulatory & fiscal policies
- U.S. state best able to meet its own permitting timelines



# 2020 PRODUCTION FORECAST



6 lode mines

1 coal mine

Zn

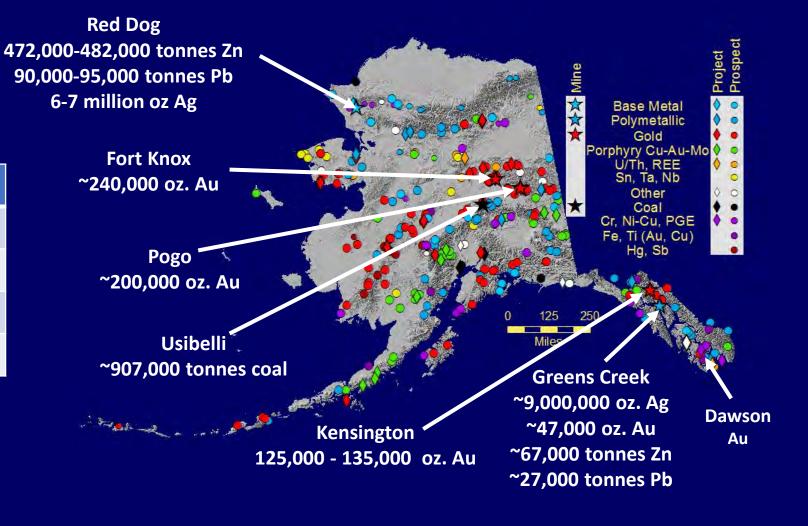
Pb

Au

Ag

~ 200 placer Au mines

~ 35 exploration projects





### KINROSS - FORT KNOX MINE

#### Open-pit gold mine; intrusion hosted

Reserves & Resources (Dec. 31, 2019)	Million Tonnes	Au g/T	Ounces (million)
Reserves	255.8	0.34	2.801
Measured & Indicated	176.7	0.4	2.026
Inferred	86.1	0.3	0.774
Total	518.6	0.34	5.601

- 8 millionth ounce of gold poured 2019
- 2020 forecast: ~240,000 oz. Au

#### **Replaced Resource base**

- -Extends mine life through 2027
- -2021-2027 annual production: ~250,000 oz.

#### **Barnes Creek Heap Leach:**

- -New 172.4-MT-capacity leach pad
- -Loading began in 2020
- -Leaching through 2030

#### **Purchased interest in Peak Deposit (October 2020)**





# KINROSS — PEAK/TETLIN

#### Open-pit, Au-Ag-Cu skarn, Tetlin tribe native land

#### Kinross purchased 70% interest for US\$93.7 million Contango ORE retains 30% interest

- Kinross to receive management & toll milling fees for Contango's share of milling
- One-year construction
- Truck ore ~370 km to Fort Knox mill
- Adds ~220,000 oz. Au/year to Fort Knox production
- Production 2024 2029

#### 2020 Program (US\$3.6 million):

- Initiated permitting
- Water- and rock-geochemical sampling

#### 2021 Program (US\$18 million):

- Initiate feasibility study; FS & initial permitting by EOY 2022
- Infill drilling, engineering, & environmental studies
- Exploration

Dec. 31, 2019	Million Tonnes	Au g/T	Ounces (million)	Ag g/T	Ounces (million)
Measured	0.473	6.4	0.097	17	0.254
Indicated	8.73	4.0	1.111	14	3.945
Inferred	1.34	2.7	0.116	16	0.694
Total	10.55	3.9	1.324	14.4	4.893

Metric	Kinross Estimate (100% basis)
First production	2024
Life of mine	4.5 years
Total production (Au eq. oz.)	~1 million
Average AISC (Au eq. oz.)	~\$750/oz
Mined gold grade	~6 gpt
Initial capital expenditures	~\$110 million





### Northern Star - Pogo Mine

#### Underground, shear zone/quartz vein-hosted gold mine

#### Estimated 2020 Production: ~200,000 oz Au

- Increasing production to 300,000 oz/yr by 2023
- Cumulative production 4.2 million oz
- Endowment ~ 11 M oz, and expanding resource
- AISC US\$1,200 \$1,400/oz

#### **Accomplishments:**

- Since acquiring Pogo, reduced AISC/T by 29%
- New mining fleet significantly improving tonnage productivity
- Development rates increased 76% since March 2019
- Transitioned to 60% longhole stoping

#### 2020 Mine Drilling:

Underground reserve definition and extension drilling:

- All Liese Vein systems (L1, L2, L3), North Zone, X-Vein, South Pogo, and Fun Zones
- Excellent intersections from extensions
- New veins in Liese 2 and South Pogo areas

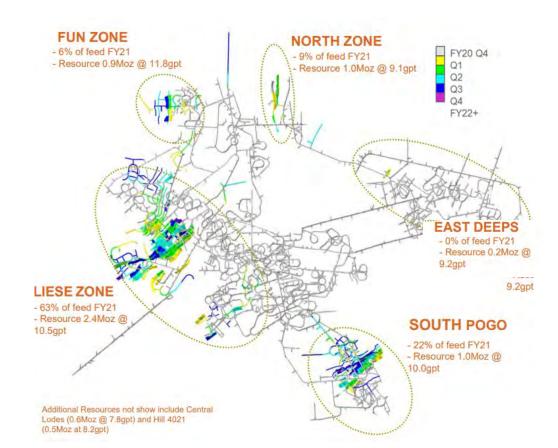
#### Plans through 2021:

- Expand mill from ~1.0 to 1.3 M T/year



4 million ounces; Feb. 2020

June 30, 2020	Million Tonnes	Au g/T	Ounces (million)
Reserve	5.867	8.0	1.507
Resource	21.255	9.8	6.672
Total	27.122	9.4	8.179



# Pogo - Exploration

#### **2020 Goodpaster Exploration:**

- Surface exploration drilling commenced in Q3
- Focused on southeast portion for conversion to resources

#### Select results:

4.0 m at 67.5 g Au/T;

5.2 m at 15.7 g Au/T;

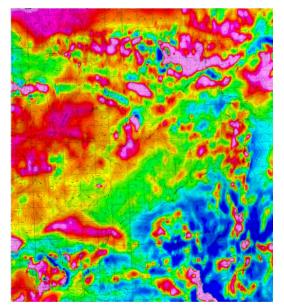
8.9 m at 5.0 g Au/T

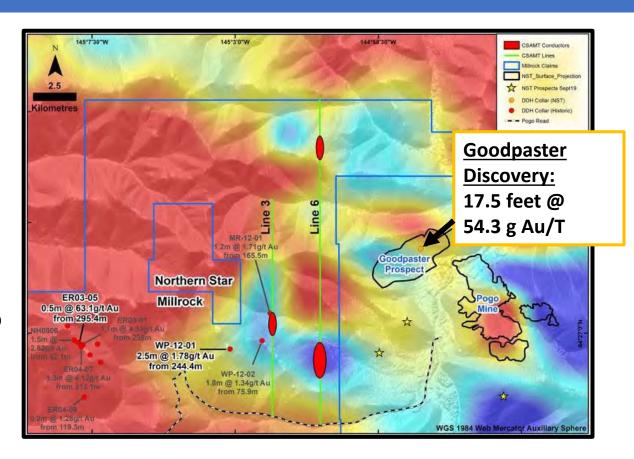
- 2.3 km strike, 500 m depth, open in all directions

-Series of stacked, flat- & steeply-dipping veins, very similar to

Pogo Liese vein system

-New airborne magnetic & radiometric survey for regional exploration







### Coeur - Kensington Mine

#### Underground mesothermal gold quartz-vein system

- Forecast production (2020): 122,500-130,000 oz. Au

- Production to date: ~1M oz. Au

Current mine life through 2023

#### Jualin:

- First production Dec. 2018

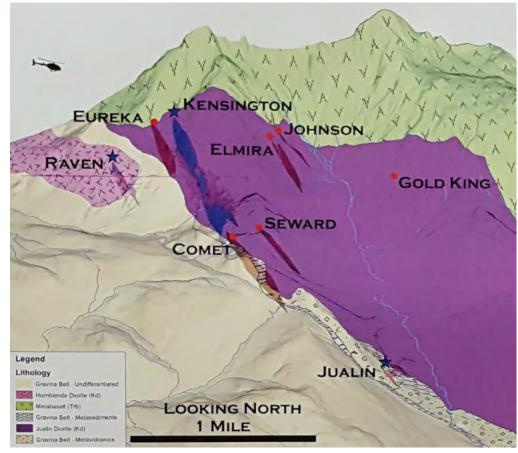
- 15-20% of Kensington's Au production in 2020

- Driving improved cash flow and lower costs

- US\$6.8M 2020 exploration program (as of Q3)
- 3 drills active in Q3
- Surface drilling at Raven, Big Lake and Johnson Veins
- All drills underground in Q4 for resource conversion on Kensington, Johnson and Elmira veins

Dec. 31, 2019	Million Tonnes	Au (g/T)	Au Ounces (million)
Reserves	1.677	6.78	0.366
Measured & Indicated	3.226	7.34	0.762
Inferred	1.562	7.12	0.358
Total	6.465	7.15	1.486





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### HECLA - GREENS CREEK MINE

#### Volcanogenic massive sulfide deposit, Southeast Alaska

Dec. 31, 2019	Million Tonnes	Zn %	Pb %	Au g/T	Ag g/T
Reserves	10.721	7.3	2.8	2.8	379
Measured & Indicated	8.569	8.1	3.0	3.1	364
Inferred	1.848	7.4	3.1	2.8	426
Total	21.2	7.6	3.0	2.95	378

#### **2020 Production Estimates:**

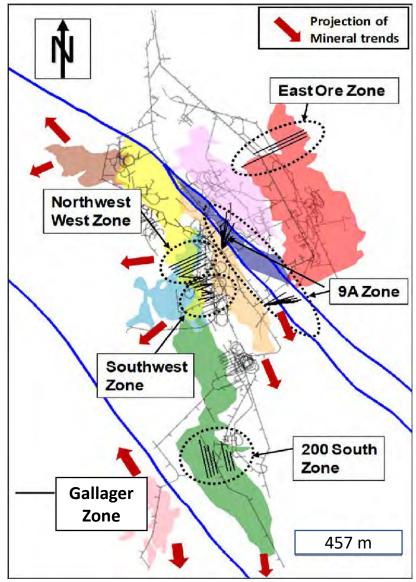
10.5 M oz. Ag; 47,000 oz. Au; 67,000 tonnes Zn; 27,000 tonnes Pb

- Definition drilling in the Upper Plate, 9A, East Ore, Northwest, West zones

- Strong exploration drill results in 200 South zone (eg., 631 g Ag/T, 6.3% Zn, 2.9% Pb

over 8.7 m







### TECK - RED DOG MINE

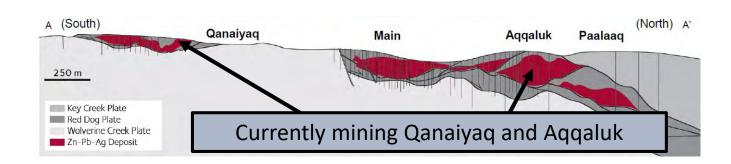
#### Sediment-hosted Zn-Pb-Ag deposit

Began operating in 1989

#### 2020 Production Estimates:

472,000 to 497,000 tonnes Zn; 90,000 to 95,000 tonnes Pb ~7 million ounces Ag

- VIP2 mill-upgrade project was commissioned in 2020
- Expected to improve throughput by ~15%
- Increased precipitation impacted water storage, necessitating intense watermanagement activities and an early tailings dam raise; also installed a new water-treatment plant to increase water-discharge capacity.





Dec. 31, 2019	Million Tonnes	Zn %	Pb %	Ag g/T
Reserves	50.9	12.9	3.6	67.7
Measured & Indicated	6.6	9.0	3.0	55.5
Inferred	30.3	13.2	4.9	87.2
Total	87.8	12.7	4.0	73.5



### RED DOG AREA EXPLORATION

### Aktigiruq/Anarraaq

#### Sediment-hosted massive sulfide deposits

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

Aktiguruq target: 80-150 M tonnes @ 16-18% Zn+Pb

#### 2017-2019 program:

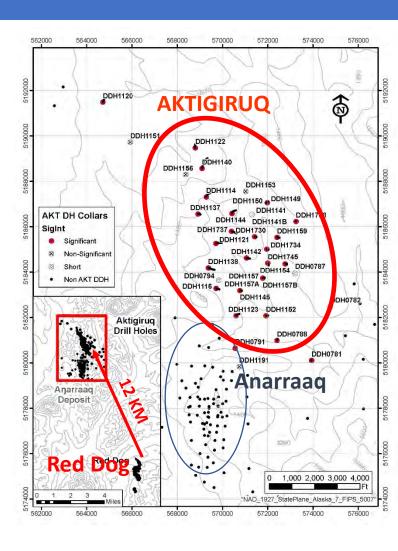
- 2016 drilling 54.6 m @ 16.8% Zn, 3.63% Pb (DDH1737)
- Applied for permit to build road
- Resource-definition drilling at Aktiguruq and Anarraaq
- Ore bodies are 400 to 1,000 m below surface

#### 2020 program:

- Analyzing 2019 core
- New drilling deferred to 2021

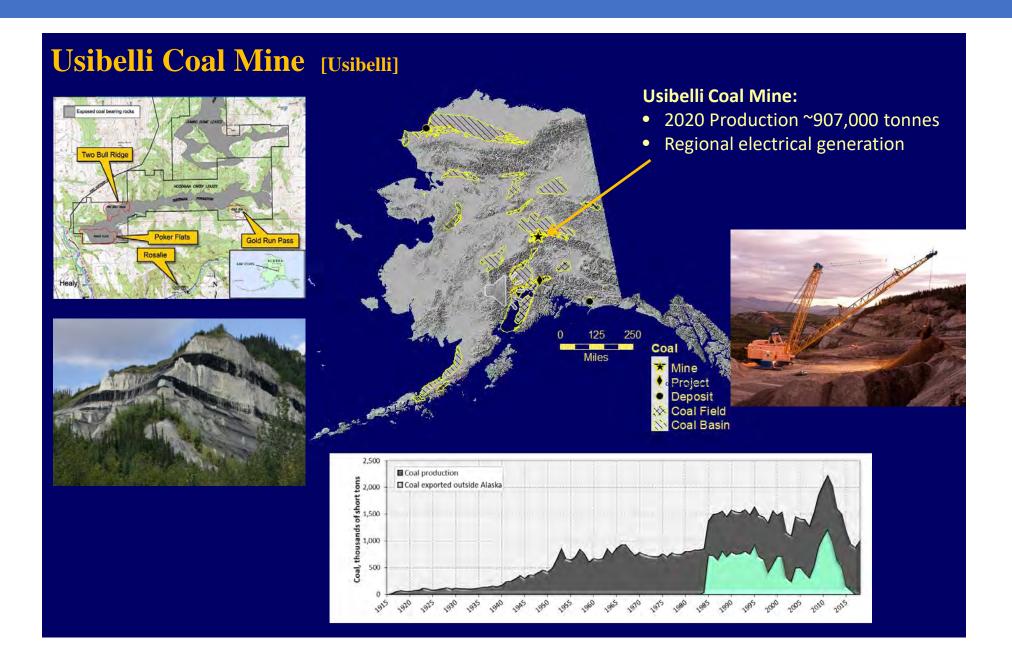






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# USIBELLI MINE



### Donlin Gold - Donlin

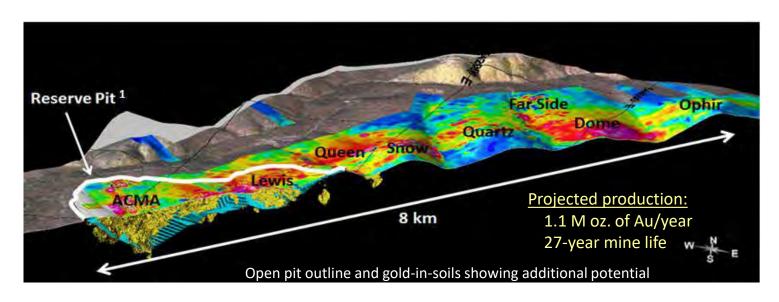
[50% Barrick Gold Corp./50% NovaGold Resources Inc.]

#### 2019 Program - US\$26M

- State of Alaska permitting
- Geotechnical drilling of water & tailing storage areas
- Updating 2011 feasibility study to reflect optimized development plan

#### 2020 Program – US\$40M:

- Resource confirmation and model validation drilling
- 4 drill rigs, 85 holes, 23,400-m DDH program in ACMA & Lewis areas
- Results exceed prior modeled grades/thicknesses





Jan. 2012	Million Tonnes	Au (g/T)	Ounces (million)			
Proven & Probable	504.8	2.09	33.85			
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			



### International Tower Hill - Livengood

#### Metasediment-hosted, intrusion-related gold

April 2017	Million Tonnes	Au g/T	Ounces (million)
Proven/Probable	392	0.71	8.9
Measured, Indicated & Inferred***	578	0.68	12.6

<sup>\*\*\*</sup>Inclusive of reserves

#### 2017 Initial PFS:

- 6.8 M oz. of Au/yr.; 23-yr mine life

#### 2019 program:

- US\$3.7 million work program
- Metallurgical studies
- Environmental studies

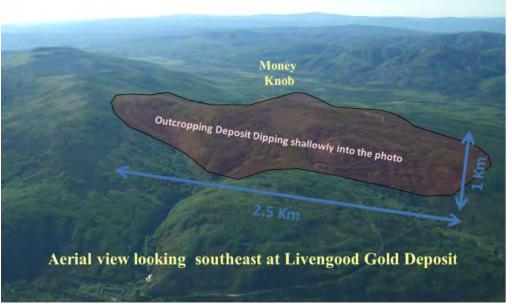
#### 2020 program:

- US\$2.6 million work program
- Metallurgical studies
- Environmental studies

#### 2021 program:

- US\$5.6 million work program
- Complete a PFS (Oct. 2021)







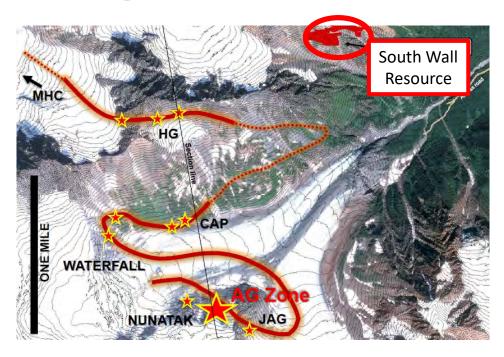
Drilling atop the Money Knob area of the Livengood Project

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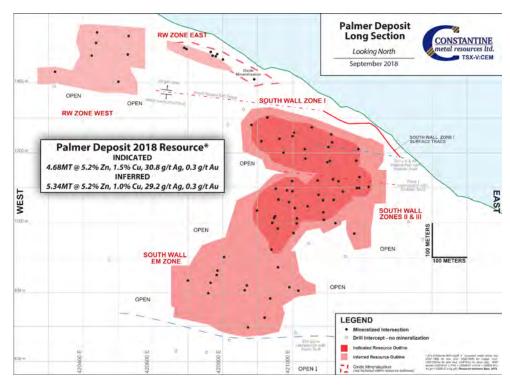
# CONSTANTINE/DOWA - PALMER

#### Volcanogenic massive sulfide, SE Alaska



	Million Tonnes	Cu %	Zn %	Ag g/T	Au g/T	Barite %
Indicated	4.7	1.49	5.23	30.8	0.30	23.9
Inferred	9.6	0.59	4.95	69.3	0.39	27.7
Total	14.3	0.89	5.04	56.6	0.36	26.5

[Constantine Metal Resources Ltd. (51%) & Dowa Metals & Mining Alaska Ltd. (49%)]



#### 2020 program (US\$2.2M):

- Environmental and permitting work for underground exploration drift
- Greenfields exploration at Big Nugget Gold project in the Porcupine Creek placer district



### AMBLER METALS - ARCTIC

#### Volcanogenic massive sulfide, Northwest Alaska

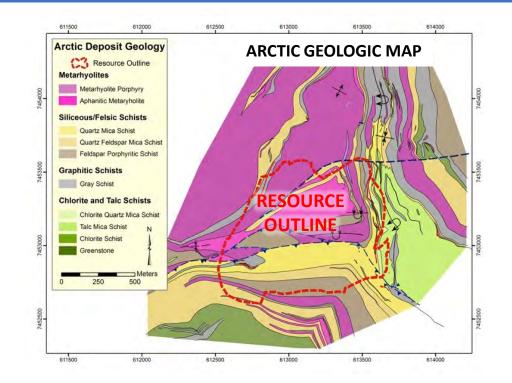
	Million Tonnes		Zn %	Pb %	Au g/T	Ag g/T
Probable	43.04	2.32	3.24	0.57	0.49	36.0

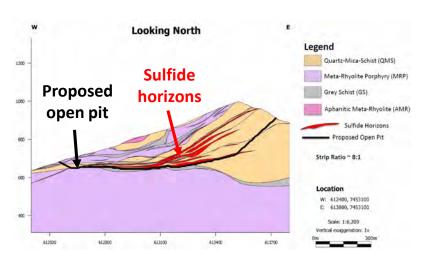
#### 2019 program (US\$7 M):

- 11 holes, total 2,405 m
- Geotechnical & hydrological studies for Feasibility Study
- Working with AIEDA to advance Ambler Mining District Industrial Access Road project.

#### 2020 program:

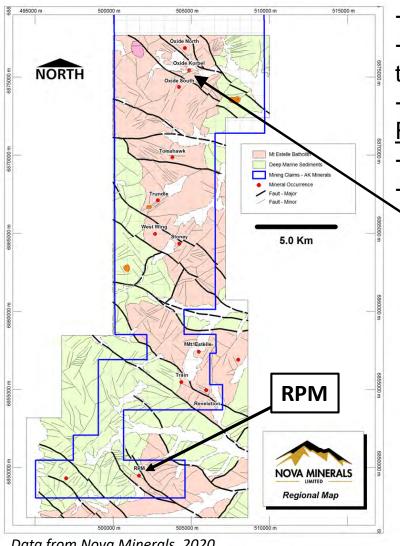
- Completed Feasibility Study
- 3-year payback at US\$3.00/lb. Cu
- After-tax NPV(8%) of US\$1.1B
- 12-year mine life
- All-in cash cost of US\$0.96/lb. Cu
- Final EIS issued March 27, 2020 for Ambler Access Road
- Located 200,000 acres of new mining claims





### Nova Minerals - Estelle

#### Intrusion-hosted Au system



Data from Nova Minerals, 2020

#### 2020 Program:

- 16 DDH, +25,000 m @ Korbel
- Expanded Korbel 2,000 m to SE
- Mineralization extends 200 m below resource, over +1,500 m of strike; open to expansion in multiple directions
- Initiated PEA; initial bulk ore-sorting tests are promising RPM Area:
- 5 to 291 g Au/T from rock sampling
- DDH SE12-008 178 m @ 0.8 g Au/T

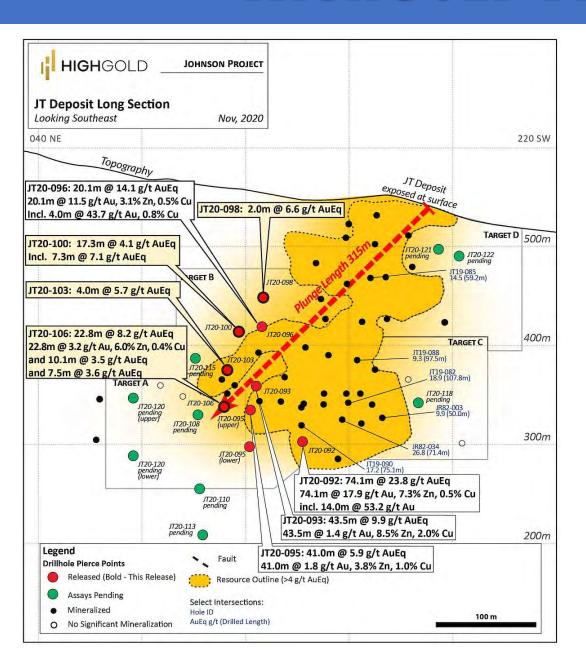
	Isabella Bloc	k ,	HODOS	607
Block D	A James Marie Mari		KORBEL I	Main
Block C	PAD8	Fall 2020 Resource Outline	PAD6	-
	PACIS			n-East nsion
	t grade shell I grade shell	Scale Plot Deer 25-Nev-2020   Plot File: 1/2ex	KORBEL PLAN MAP Drilling and Grade Outlines	ESTELLE GOLD Nova Minerals Ltd

Korbel Main - B Resource (Oct 2020)	Million Tonnes	Au (g/T)	Ounces (million)
Inferred	291	0.35	3.3





### HIGHGOLD MINING - JOHNSON





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

- -3 rigs, 33 DDH, 16,420 m drilling program on 5 targets
- -DDH JT20-092 **74 m @ 23.8 g AuEq/T**
- -Footwall Cu zone
- -Significant upside on North Offset target, structurally displaced from JT deposit
- -Released a new resource:

JT Resource (June 2020)	Million Tonnes	Au Eq (g/T)	AuEq Ounces (million)
Indicated	2.14	10.93	0.75
Inferred	0.58	7.16	0.134
Total	2.72	10.1	0.88



### FREEGOLD - GOLDEN SUMMIT

#### Intrusion-related gold system - Fairbanks District

+500,000 oz past production underground; grades >1 oz. Au/T

+6.75 M oz. placer Au recovered from streams draining project area

#### 2020 Program:

- Testing possible connection between historical, high-grade Cleary Auvein system & Dolphin intrusion-hosted Au system
- 3 drill rigs, 15-20 DDH, 10,000 m (average 500-m depth)

Select results:	Sel	lect	resu	lts:
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GSDL2001 – 188 m @ 3.69 g Au/T

GSDL2002 – 136.4 m @ 1.02 g Au/T

GSDL 2005 – 119 m @ 3.78 g Au/T

- Additional assays pending
- Drilling resumes in February 2021



Dolphin Resource (Jan. 2016)	Million Tonnes	Au Eq (g/T)	Ounces (million)
Indicated	61.5	0.69	1.36
Inferred	71.5	0.69	1.58
Total	132	0.69	2.94



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### AVIDIAN GOLD — AMANITA

#### Intrusion-related gold system - Fairbanks District

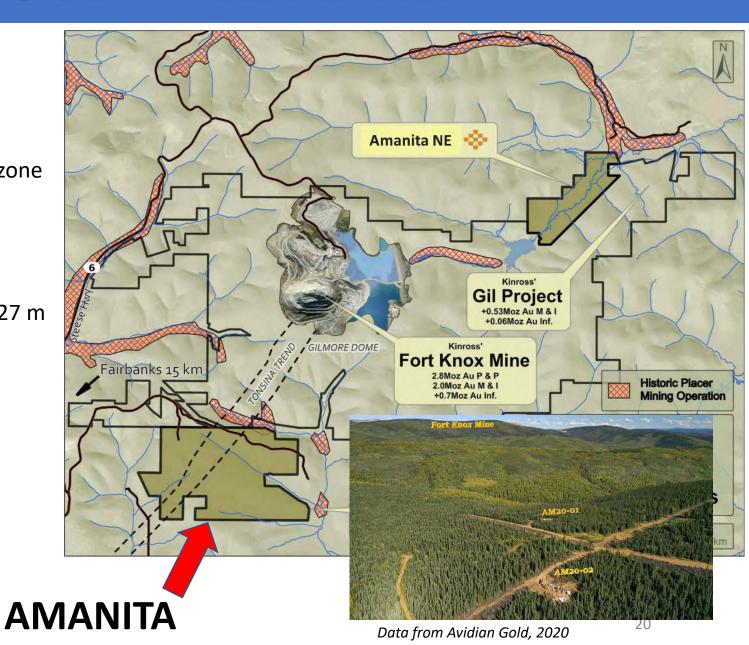
- Adjacent to Fort Knox mine property
- 800-m-wide, NE-trending, gold-bearing structural zone

#### 2020 Program:

- 9 DDH; 1,945 m
- Targeted down-dip extension of 2019 trench with 27 m of 4.22 g Au/T
- High-resolution lidar & drone magnetic surveys

#### Select results:

- DDH AM20-02 22.7 m @ 3.11 g Au/T
- Intrusion intersected at end of DDH AM20-07
- Additional assays pending

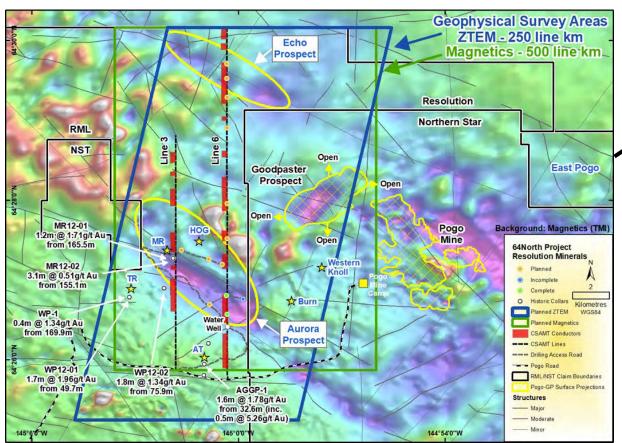


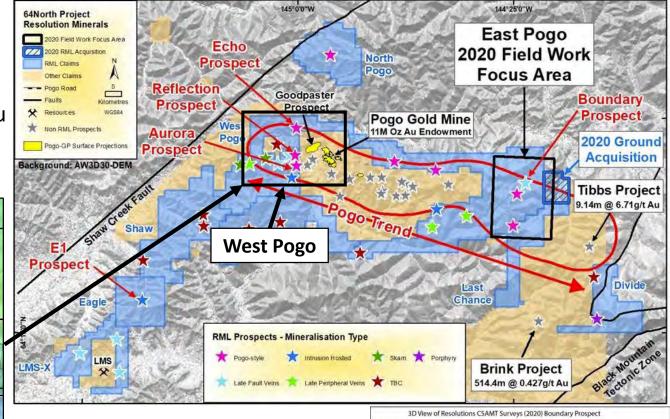
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### RESOLUTION MINERALS – 64 NORTH

#### 2020 West Pogo Program:

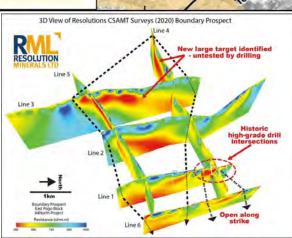
- 9 DDH, 4,778 m Aurora, Echo, & Reflection prospects
- DDH 20AU07: 7 m quartz vein within 22-m-thick zone of intense sulfides, alteration, quartz veining, and anomalous Au in Central Zone at Aurora.
- Airborne ZTEM & magnetic surveys; ground-based CSAMT





#### 2020 East Pogo Program:

- Reconnaissance exploration
- Rock & soil sampling
- CSAMT lines
- Expanded claim block



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### GAME – SAM

#### Intrusion-related, structurally hosted Au-Ag, Interior Alaska

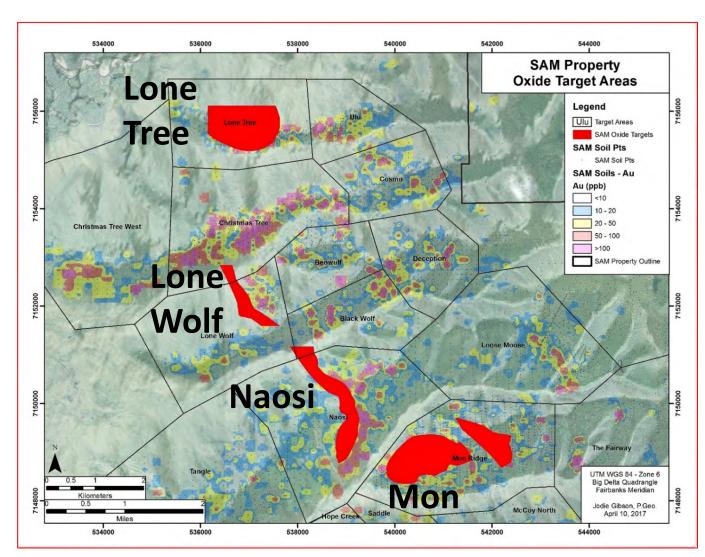
- Low-angle, gold-bearing veins/breccias
- High-angle, higher-grade zones

#### 2020 Program:

- 6,400 m DDH & RC; Naosi + 8 targets
- Exploration (~800 rock & soil samples)
- Metallurgy studies (positive; ongoing)
- Environmental baseline work
- 2020 update: North of 60 Mining News Q1 2021
- Upgraded NI 43-101 resource estimate in Q1 of 2021

#### Naosi (pit-constrained, sulfide + oxide) draft resource:

Dec. 2019	Million Tonnes	Au Oz. (million)	Ag Oz. (million)
Indicated	8.144	0.844	10.976
Inferred	10.398	0.524	6.414
Total	18.542	1.368	17.390





### TECTONIC METALS— TIBBS

#### Three styles of Au mineralization:

- Pogo-style high-grade Au-quartz veins (Gray Lead);
- Intrusion-hosted disseminated sulfides & stockwork Au+quartz+stibnite+ arsenopyrite veins (Michigan & Upper/Lower Trench)

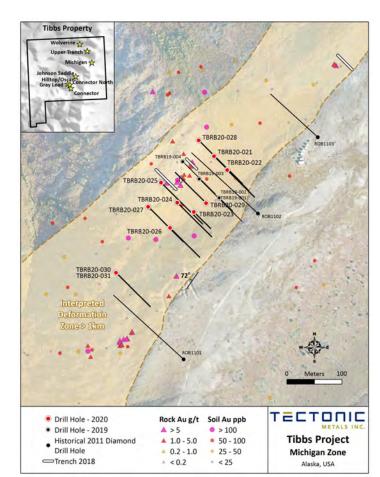
- Fort Knox-style intrusion-hosted sheeted Au-quartz-bismuthinite veins

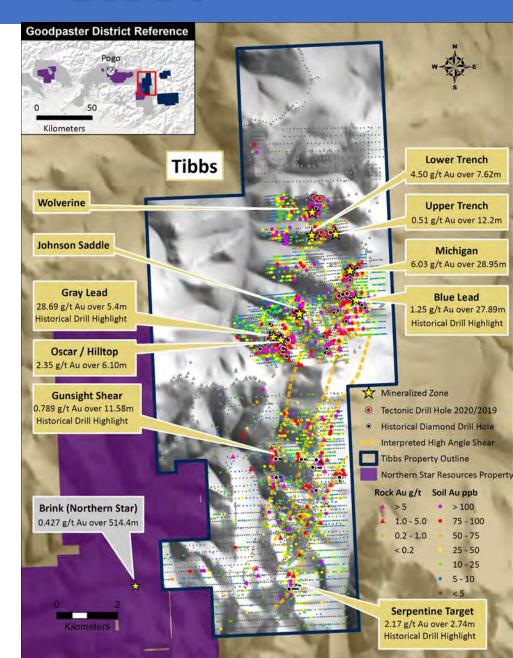
(Jorts and Hilltop)

#### 2020 Program:

- 27 holes, 3,202 m RAB drilling
- Geologic mapping
- 115 rock samples
- 27.9 g Au/T; rock w/visible gold

-Partnership with Doyon, Alaska's largest Native Corporation and private land holder







### POLARX - ZACKLY EAST

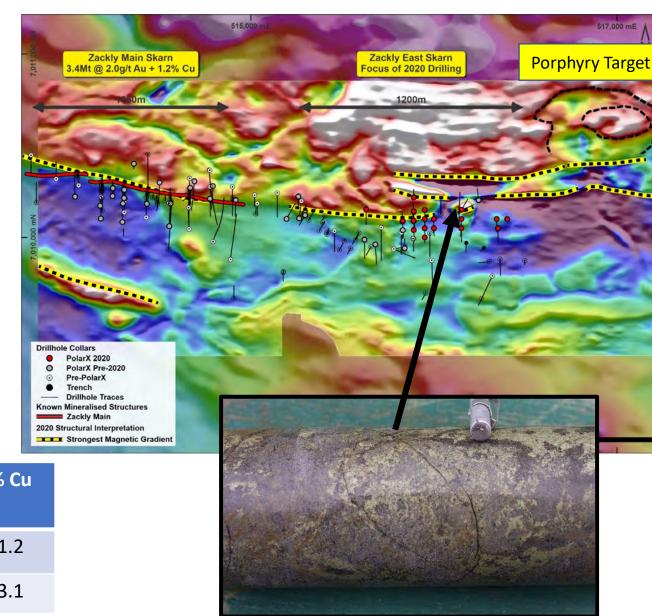
#### Cu-Au skarn, central Alaska Range

#### 2020 program:

- 23-holes, 3,130 m DDH @ Zackly East
- Mineralization extended 900 m along strike; open in all directions (not in Zackly Main resource)
- Significant 2020 results:
  - ZX20035 11.6m @ 1.8 g/T Au, 0.4% Cu
  - ZX20040 11.2m @ 2.45 g/T Au, 1.07% Cu
- Assays pending on 7 holes

Ultra-high-resolution drone magnetic survey:

- -Completed over entire Zackly system (3.5 x 1.5 km)
- -Steep magnetic gradients = most intense skarn mineralization
- -Identified new porphyry target



JORC Resource	Million Tonnes	Au (g/T)	% Cu
Zackly (Main)	3.4	2.0	1.2
Caribou Dome	2.8		3.1



### GRANDE PORTAGE – HERBERT GOLD

#### Mesothermal gold vein system, SE Alaska

- Large "ladder-vein" system
- Gold hosted in E-W veins within larger, district-scale NW-trending shear zone

#### 2020 program:

- 21 DDH; 8,375 m
- Intersected 2 new veins
- Untested vein systems over 1,400 m to SE and 400 m to NW

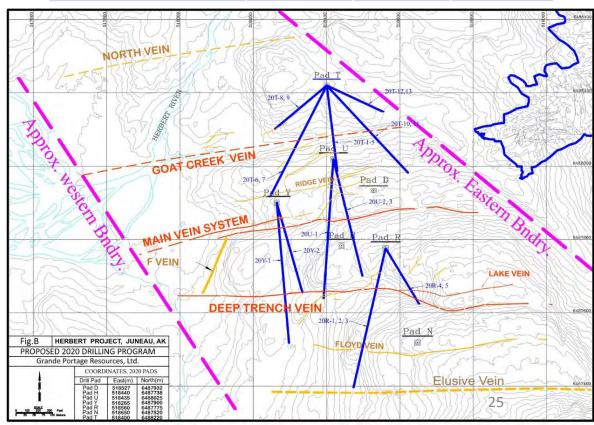
#### Select results:

20T-3 – 2.71m @ 52.34 g/T Au

20T-7 – 3.74m @ 20.7 g/T Au

20T-9 - 2.63m @ 18.67 g/T Au

Resource (June 2019)	Million Tonnes	Au (g/T)	Oz Au (million)
Indicated	1.9	10.03	0.61
Inferred	0.55	14.15	0.25
Total	2.01	10.95	0.86





### HEATHERDALE - NIBLACK

#### Volcanogenic massive sulfide - Southeast Alaska

- -Corporate restructuring & US\$5.8 M financing
- -New management team

#### <u>2020 Program:</u>

- 10 DDH, 1,774 m at historical Niblack mine
- Re-interpretation of folding
- Underground drift rehabilitation

#### 2021 Program:

- Resource update (Q1 2021)
- >2,000 m drilling
- Drill targets:

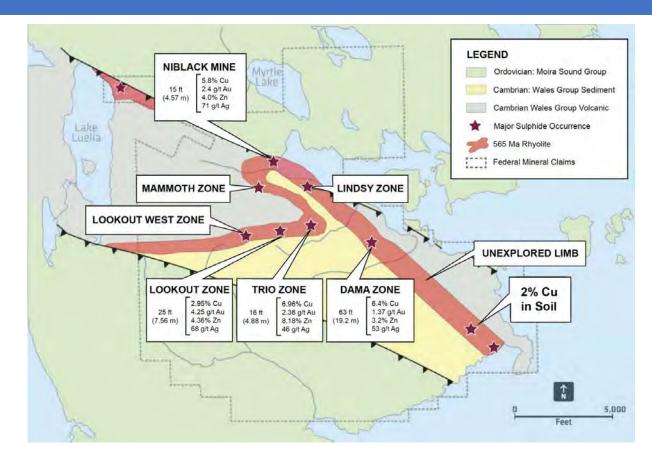
Lookout Zone down-dip (underground)

Dama Zone step-out

Down plunge from historical Niblack mine

Undrilled prospects on east and west side of trend

- Modern exploration targeting: IP geophysics & soil sampling



Resource (2011)	Million Tonnes	Cu %	Au g/T	Zn %	Ag g/T
Indicated	5.64	0.95	1.75	1.76	29.52
Inferred	3.94	0.73	1.42	1.17	20.1
Total	9.6	0.86	1.61	1.52	25.65



# Western Alaska Cu & Au— Illinois Creek

#### Historical Oxide Au-Ag-Cu mine, Western Alaska

- Investigating reprocessing historical heap leach pad
- ~2.25 million tonnes stacked ore

#### 2020 Program:

- 73 RC holes, 640 m (heap leach pad)
- Sampling for grade determination
- Metallurgical studies to optimize Au, Ag, & Cu recovery
- PEA in progress



RC drilling of historical Illinois Creek mine's heap leach pad



Resource (in pit) (Oct. 2019)	Million Tonnes	Au Eq (g/T)	Ounces Au (thousand)
Indicated	6.76	1.48	226
Inferred	2.03	1.56	70
Total	8.79	1.50	296



### White Rock Minerals — Last Chance

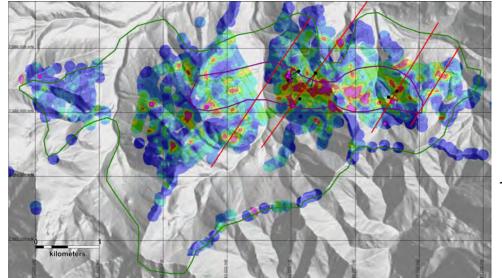
#### Orogenic(?)/Intrusion(?) Au, Northern Alaska Range

- New Au discovery in 2019
- Hydrothermal silica-breccia bodies with Au-As-Sb; quartzarsenopyrite veins; silicification

#### 2020 Program:

- 2,700 line-km, 400 square km, airborne magnetic & radiometric survey
- Follow-up stream-sediment sampling (131 samples) identified new large Au anomaly to west
- 8 DDH, 1,990 m; maiden drill program
- 4 targets: Pickle, Sidewinder West,
   Double Down, & Sidewinder Blowout
- 9 line-km, 4 lines CSAMT to identify resistive zones





Gold-arsenic-weighted soil image using laboratory gold assays and pXRF arsenic results for soil samples. Drill collars and traces in black. Completed CSAMT line location in red.



### TECTONIC METALS— SEVENTYMILE

#### Orogenic Au system, eastern Alaska

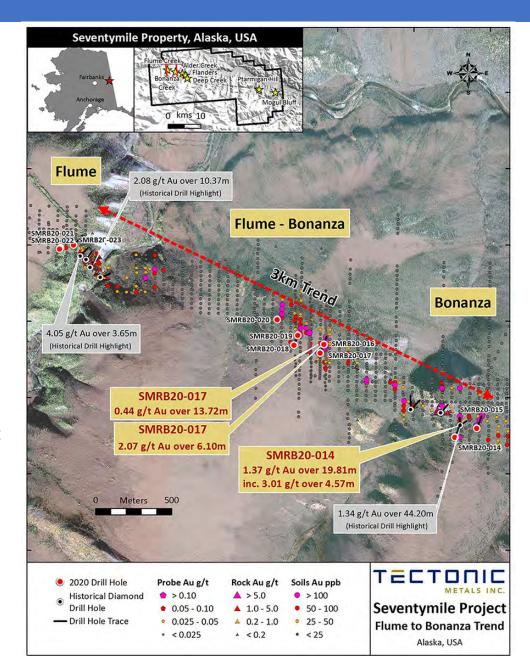
- 40-km-long structural zone
- Gold, arsenopyrite, pyrite, quartz veins
- Lease with Doyon Regional Native Corporation

#### 2020 Program:

- Geologic mapping; 82 rock samples
- 26 holes, 2,587 m RAB drilling
- Tested high-tenor Au-in-soil & top-of-bedrock anomalies situated above interpreted shear zones along lithological contacts

#### Select results:

- 2.07 g Au/T over 6.10 m at previously undrilled Flume-Bonanza Zone;
- 1.37 g Au/T over 19.81 m at Bonanza Zone;
- 1.20 g Au/T over 4.57 m at Flanders Zone



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### HELIOSTAR- UNGA

#### Epithermal Au-Ag, Aleutians

-Surface outcrops of high-grade Au-Ag mineralization

#### 2020 Program:

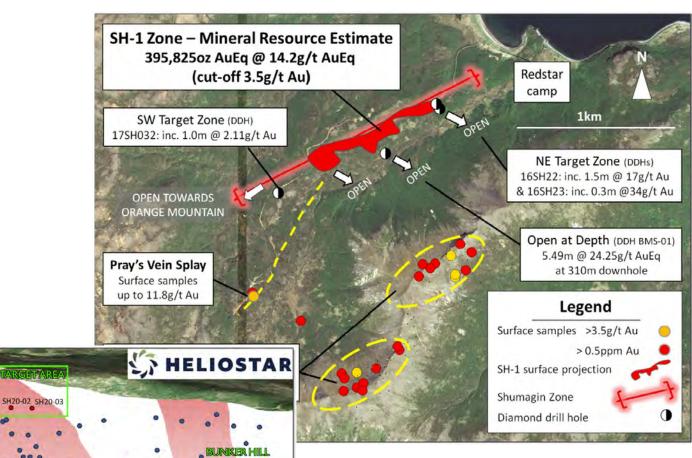
- -Released results of 2019's regional geochemical and ground-geophysical surveys on Unga & Popf Islands
- -Maiden resource SH-1 Zone (formerly Shumagin Zone): Avg. grade of 13.8g/t Au; and Avg. grade of 35.4g/t Ag

Resource (Feb. 2020)	Tonnes	Au (oz.)	Ag (oz.)
Inferred	866,015	384,318	986,321

TARGET ARE

SH-ILONGSECTION

- -3 rigs, 22 DDH, 3,063 m (as of Nov.)
- -SH-1 resource (9 DDH, 743 m)
- -Historical Apollo mine (3 DDH)
- -Aquila prospect (5 DDH, 508.5 m); with 3.6 m of 4.5 g Au/T in first DDH
- -Sitka prospect (4 DDH)
- -Empire Ridge prospect (1 DDH)



Completed 2020 Drillhole

Previous Drillhole

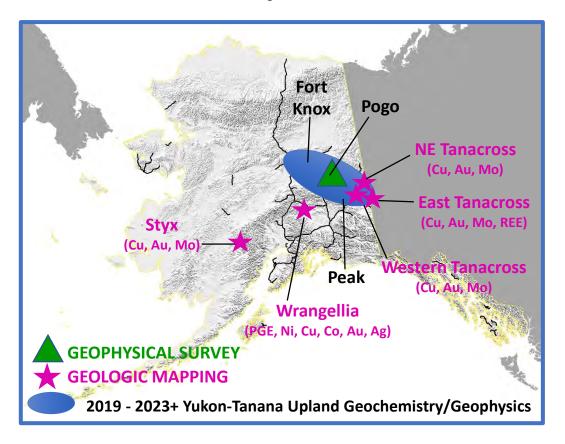


# ALASKA DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS (DGGS) 2020



https://dggs.alaska.gov/

### **DGGS Projects**



#### **2020 ACTIVITIES:**



- Pogo area helicopter magnetic and radiometric surveys

#### **UPCOMING 2021:**

- 🛨 Styx digital geologic map
- → Wrangellia digital geologic map & mineral potential report

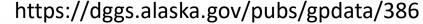
#### **Yukon-Tanana Upland:**

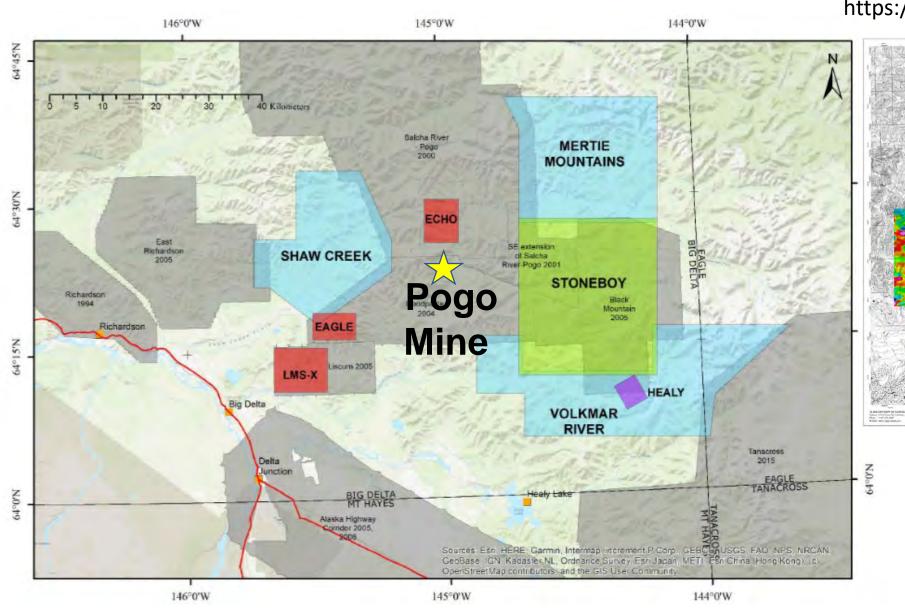
- Eastern Tanacross geologic map
- New geologic mapping in W. Tanacross and Eagle quadrangles
- New fixed-wing magnetic + radiometric surveys
- Stream sediment (modern, full-elemental-suite re-analyses) & online geochemical anomaly maps

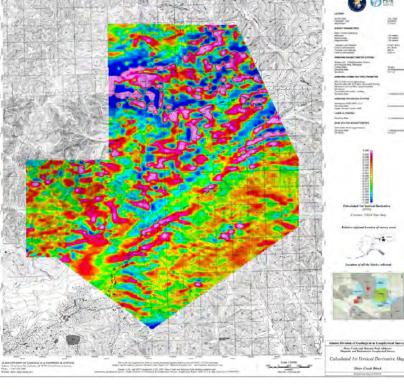


# DGGS - AIRBORNE GEOPHYSICS







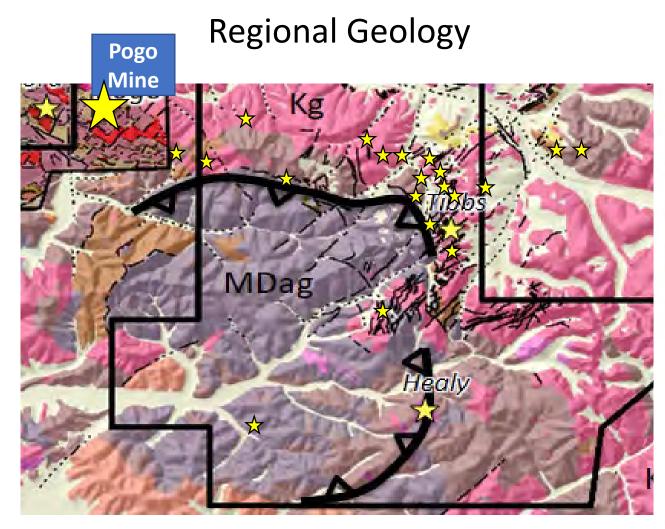


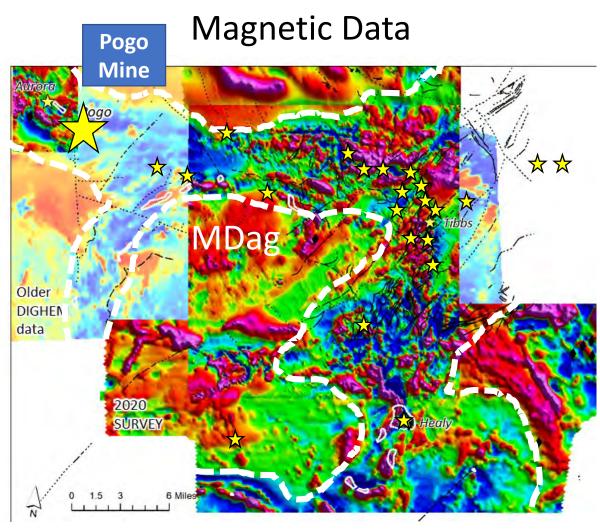
- -2020 State of Alaska + industry funded helicopter magnetic + radiometric surveys
- -2021 State of Alaska fixed-wing magnetic + radiometric surveys

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# DGGS – 2020 HELI MAG SURVEY







MDag = Augen gneiss

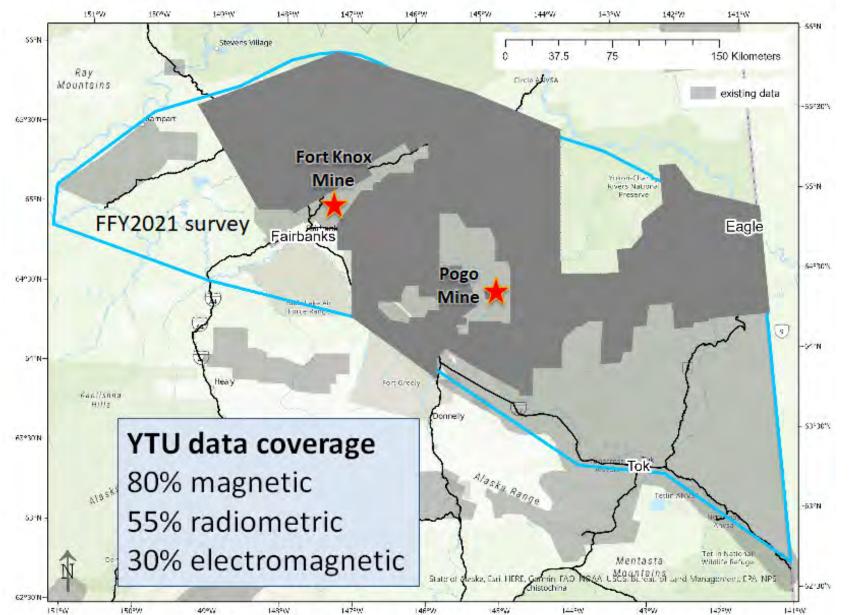


= Pogo mine & prospects



# EARTH-MRI FW MAG+RAD SURVEYS







#### <u>Summer 2021-2022</u>

- -Fixed-wing magnetic & radiometric surveying of Yukon-Tanana Upland
- USGS, BLM, SOA funded



### DGGS - GEOLOGIC MAPPING

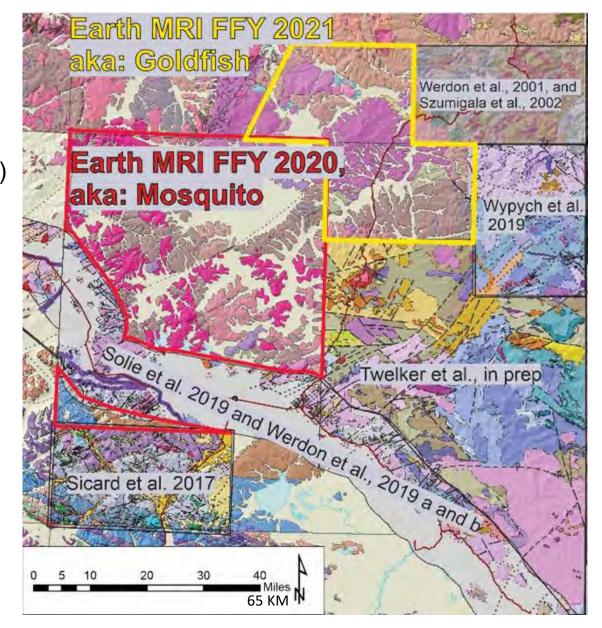


#### Summer 2021

- Mosquito & Goldfish projects
- 1:100,000-scale geologic mapping
- 7-week, helicopter-supported program
- 7-geologists
- Total area: 6,320 sq. km (2,440 sq. miles)

#### **Geologic Investigations:**

- Mineral-resource potential
  - -Porphyry/skarn Cu-Au-Ag-Mo
  - -Reduced intrusion Au
  - -Orogenic Au
  - -Epithermal Au-Ag
  - -REE and other critical minerals
- Lake George & Yukon-Tanana Terranes
- Low- & high-angle fault systems







### ALASKA INFORMATION AND DATA

#### **Division of Geological & Geophysical Surveys**

http://dggs.alaska.gov/



- Geochemistry
- Geophysics
- Geology Maps
- Elevation Data
- Mineral Report
- Mineral Occurrences

#### **Geologic Materials Center**

http://dggs.alaska.gov/gmc/

- Core RepositoryIndoor core viewing
  - Surface samples
  - Geochemistry pulps
  - Online Inventory
  - Confidential storage and viewing

#### **Division of Mining, Land & Water**

http://dnr.alaska.gov/mlw/



- Land status
- Mining claims
- Mine Permitting
- Mine Regulation

#### Office of Project Management and Permitting http://dnr.alaska.gov/opmp/

Project and mine permit coordination

