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TSX.V: GPY | OTCQX: NTGSF







Advancing the Brewery Creek Mine Towards Production: Yukon's First Gold Mine Restart<sup>(1)</sup>.

Significant Infrastructure & Mining Licenses in place, permitted for a timely restart in a First World Jurisdiction

NI 43-101 Technical Report in place and updated technical Report underway to incorporate ~200 drill hole results underway

Kappes Cassiday Feasibility Study underway to separately assess the economics of reprocessing the heap leach pad material

Ongoing drill program to confirm resource continuity along strike and resource growth potential

- (1) Any production decision would be based on a study demonstrating technical and economic viability.
- (2) NI 43-101 Technical Report "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon, Canada" Effective Date of October 1, 2019.

# Corporate Assets



#### Brewery Creek Mine - Yukon

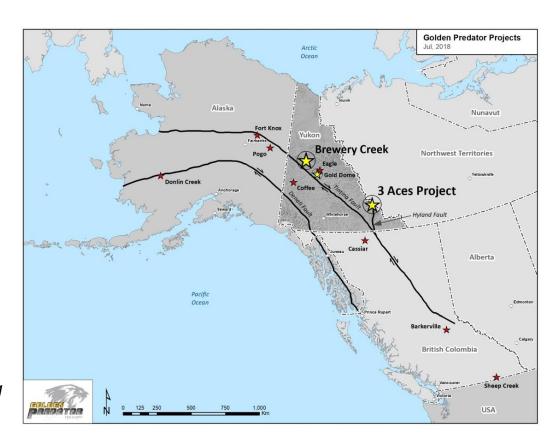
- Gold mine licensed for a restart of mining activities<sup>(1)</sup>; site work commenced, existing infrastructure
- Drilling and optimization studies underway to upgrade and expand known resources and optimize project economics

#### 3 Aces Project – Yukon

 District-scale potential, visible gold at surface, structural continuity at depth

#### Other Assets

- 1<sup>st</sup> Yukon test plant 50 tpd plant demonstrating chemical free processing; SRU™ (mobile batch unit) demonstrating successful cyanide free processing in closed system
- Yukon Mint producing Yukon gold coins featuring First Nation artists







### Market Capitalization \$45,496,278 CDN @ \$0.29 CDN

Shares Issued and Outstanding 156,883,720

Stock Options 7,670,000

Warrants Outstanding 1,377,140

Fully Diluted Shares 165,830,860

As of March 4, 2020

Prominent Shareholders (50%+)

William and Janet Sheriff

Eric Sprott

Pat DiCapo (Power One Capital Markets)

McEwen Mining Inc.

CIBC Private Wealth

Albert Friedberg (Friedberg Mercantile Group)

3 Aces gold bar







William M. Sheriff

Entrepreneurial geologist, fundraiser, major shareholder, cofounded and sold Energy Metals Corporation to Uranium One for \$1.8 billion

Richard Goldfarb

Globally recognized expert on orogenic gold deposits.

William Harris

Previously served at C level positions in several Fortune 500 firms

Stefan Spears

Vice President of McEwen Mining; featured as the Mining Journal's "Mining's Future Leaders" (2016)

Tony Lesiak

Currently the Senior Advisor, Investment Banking at Canaccord Genuity Corp. (Canada)

**Bradley Thiele** 

Professional Engineer with over 45 years of industry experience including moving the Meadowbank Mine into production

# Management Team





Janet Lee-Sheriff | Chief Executive Officer Greg Hayes, CPA | Chief Financial Officer Michael Maslowski | Chief Operating Officer Jeff Cary, M.Sc. CPG | Project Geologist Robin Fraser | Mining & Metallurgy James Hesketh, M. Sc. MMSA| Engineering



# **Exploration Management Council**



Expertise in the geology and structure of gold deposits of the Northern Cordillera (Pacific NW of North America)

**Richard (Rich) J. Goldfarb, Ph.D.**Globally recognized authority on orogenic gold deposits

#### Craig J.R. Hart, Ph.D., FSEG, FGAC.

Director of the Mineral Deposit Research Unit (MDRU) at the University of British Columbia (UBC)

#### Lance Miller, Ph.D.

With over 30 years in the minerals industry, currently serves as Vice President of Natural Resources for NANA Regional Corporation, an Alaska Native Corporation

#### William (Bill) E. Threlkeld, MSc, PG

Currently the Senior Vice President-Exploration for Seabridge Gold Inc.

#### Michael Redfearn, P.Eng.

Over 40 years of experience including Bureau Veritas, Cantung Mine, Sullivan Mine, Trail Operations, Red Dog Mine and El Brocal Mine



Above: Richard Goldfarb at 3 Aces

# Environmental, Social and Governance



#### Elders in Residence Program & Kaska Videos

- Support learning and understanding, promote cultural awareness and share wisdom and teachings; PDAC Aboriginal Forum Presenters
- Recipient of Arctic Indigenous Investors '2019 Industry Innovator Award'
- Mary Ceasar Kaska Elder recipient of the Canadian Women in Mining 2019 'Canadian Indigenous Trailblazer Award'

#### Brewery Creek Bee Project

Training & education opportunity, community cottage industry



2018: Elders-in-Residence Program at 3 Aces

# Mutually Beneficial Agreements

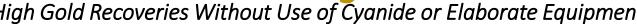


- Innovative progressive company with strong community relationships, shared opportunities
- Tr'ondëk Hwëch'in Socio Economic Accord (SEA) Brewery Creek Mine – Technical Advisory Committee
- First Nation business development, service and supply contracts- through Technical Advisory Committee
- 50% First Nation employment at Brewery Creek and 3
   Aces
- 50% expenditures spent in Yukon communities
- 90% labour retention on Yukon projects





# Yukon Test Processing Plant High Gold Recoveries Without Use of Cyanide or Elaborate Equipment





- 1<sup>st</sup> Yukon test plant 50 tpd plant provides technical information and enhanced processing knowledge tests cyanide free processing in closed system
- Conventional gravity recovery methods
- 2016 bulk sample with 85%+ gold recovery<sup>2</sup>, 2018 bulk sample processing underway (10,000 tonnes/yr permit)
- Yukon-based plant creates local spin off benefits, knowledge and technical retention





# Cyanide-Free Technology at Work: SRU™ Advancing Cyanide-Free Alternatives at Site

- SRU™ (Secondary Recovery Unit) is a mobile batch processing unit developed and operated by Golden Predator utilizing EnviroLeach Technology's chemistry
- Leading the world with the first successful onsite testing of solutions to extract gold which are free of cyanide and hazardous chemicals
- Developed in 2019 as an alternate to shipping sulfides to a smelter outside the Yukon
- Created, built and tested in the Yukon the SRU™ keeps employment, innovation and community benefits in the northern region of while successfully using Canada environmentally-friendly technology
- 2019 field tests provided superior results to cyanide solutions
- Commercial applications apparent and work is underway to advance and enhance use of the SRU™

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2019 Media tour of the Company-developed and operated SRU™

# **Yukon Mint**-

- US Trademark-protected subsidiary of Golden Predator
- Producing Yukon gold coins from a cyanide-free test plant
- Value added product with First Nation art from community-based pilot processing plant
- Year 3 underway for artwork on gold coins





CEO, Janet Lee Sheriff with Minister Ranj Pillai, Sergeant Major Doug Spencer & Yukon Premier Sandy Silver

2018: Gold bars and gold Kaska 'Keda' coins

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# **Environmental Management**



#### Environmental Monitoring & Award Winning Reclamation Work

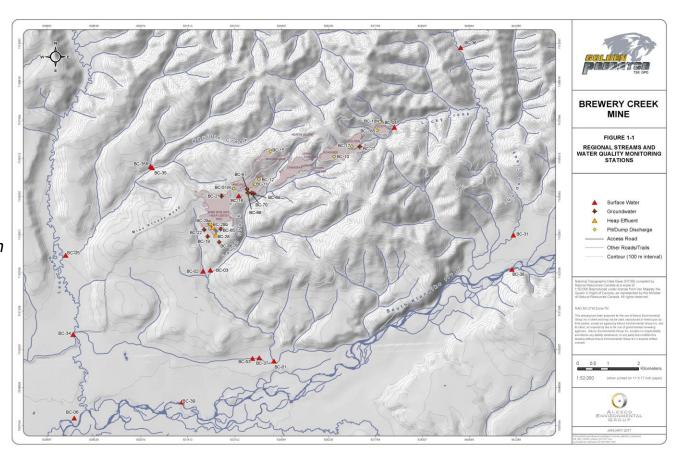
Since 2002 Annual reports
submitted under the Quartz
Mining License and Water
License for compliance
monitoring of surface and
groundwater and other studies

Re-established monthly production sampling at all sites, as well as establishing new background sites in collaboration with Tr'ondëk Hwëc'hin and Yukon Water Resources

2018 Engineered Study - EBA

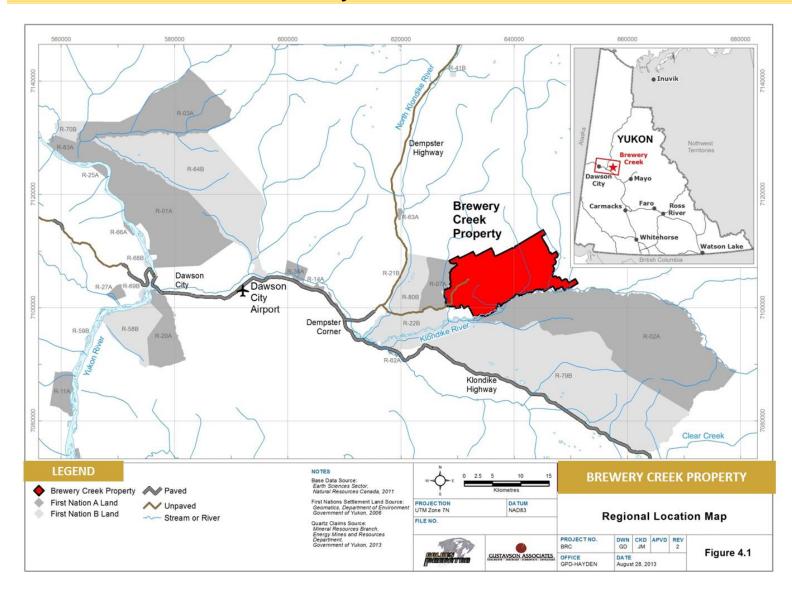
2019 Laura Creek Impact Study Access Consulting

Considering factors including no net loss and carbon footprint in planning



# Brewery Creek Mine A Licensed Mine with Established Infrastructure

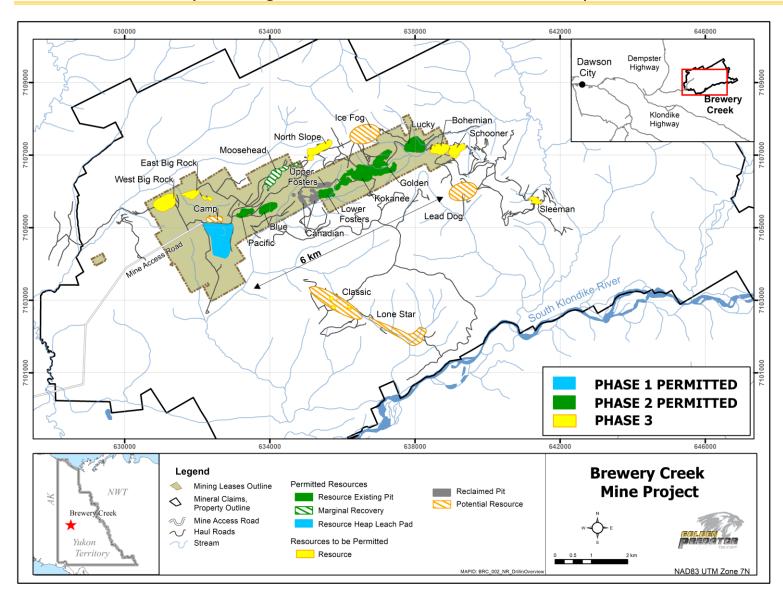




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#### Licensed oxide heap leach gold resources and a reactivation plan





Brewery Creek Mine Circa 2002













#### **Project Overview**

- Past producing open pit/heap leach mine, temporarily suspended in 2002 due to gold price dipping below \$300/ounce
- Year-round road access/air service 45 km from Dawson City, 17 km from grid power; 30 km from Dawson International Airport
- 180 km² (1,075 claims with 93 mining leases) property with many exploration targets remaining open or untested
- Quartz Mining License, Water License<sup>(1)</sup>; & Mining Land Use Permit
- Socio Economic Accord and Council Resolution with Tr'ondëk Hwëch'in support for resumption of mineral production
- Underway updated NI 43-101 Technical Report to incorporate ~200 drill holes
- Underway Feasibility Study to Assess Reprocessing for Heap Leach Material

2020 Brewery Creek Mineral Resource Estimate <sup>(2)</sup>					
Oxide	Tonnes	g/t	Gold Oz.		
Indicated	21,140,000	1.13	765,000		
Inferred	14,120,000	0.97	440,000		
<b>Sulphide</b>	<b>Tonnes</b>	<b>g/t</b>	Gold Oz.		
Inferred	8.570.000	0.99	270,000		

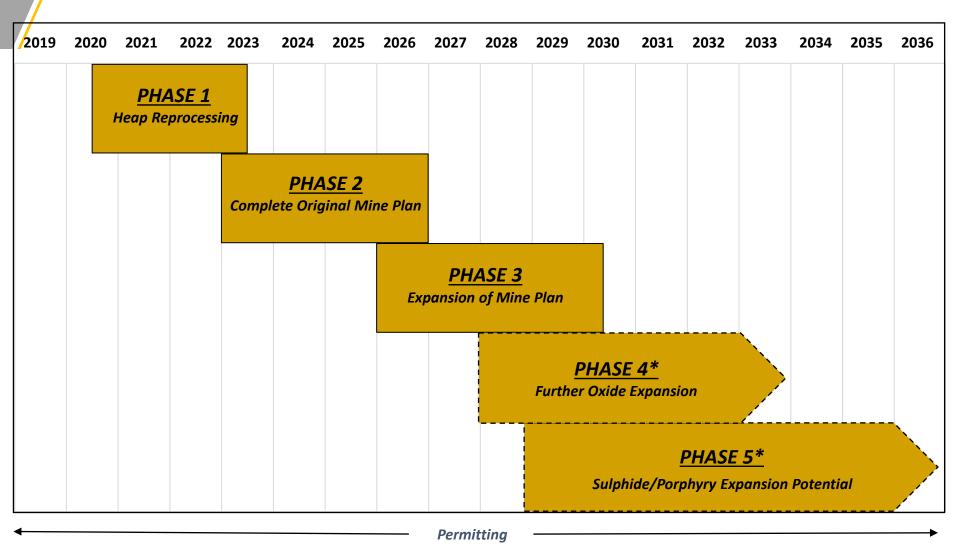
<sup>\*\*</sup>The resource estimate does not include material remaining on the heap leach pad.

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# Brewery Creek Mine<sup>(1)</sup>



Conceptual Timeline



<sup>\*</sup>Contingent upon continued exploration success

<sup>(1)</sup> Any production decisions would be based on completion of a study underway to demonstrate technical and economic viability.

# Brewery Creek Mine Planning<sup>(1)</sup>



#### Phase 1: Reprocess Existing Heap Leach Material

- Historical production utilized run-ofmine material; reprocess existing heap leach material
- Historical estimate of heap leach material is ~9.5 Mt with 247,924 contained ounces of gold\*
- Metallurgical work indicates significant increased recoveries on material by crushing to 80% passing 9.5 mm
- Feasibility Study by Kappes Cassiday underway to evaluate reprocessing of heap leach pad material
- Solution ponds, haul roads and buildings remain in place
- Heap leach pad material is not included with the 43-101 Technical Resource



(1) Any production decisions would be based on completion of a study underway to demonstrate technical and economic viability.

\*The above estimate, including estimates of tonnage and grade from prior operations, is considered a historical estimate. Historical information has not been classified as a current mineral resource. A qualified person has not done sufficient work to classify the historical estimate as a current mineral resource or mineral reserve. The issuer is not treating the historical estimate as a current mineral resources or mineral reserve. Data obtained from extensive historic mining by Viceroy Minerals from 1996-2002 including ADR recovery and refinery reports available to the Company and is believed to be relevant and reliable.

# Brewery Creek Mine Planning<sup>(1)</sup>



#### Phase 2- Complete Original Mine Plan

Complete original mine plan which includes open pit mining in areas listed

Building 3 new heap leach cells (8, 9 & 10)

Mining rate, as approved in Quartz Mining License, is 4 mm tonnes/year

Most resources remain open to expansion

Drilling to continue in 2020 intended to expand and link separate oxide resources and adjacent deposits into a single, larger pit to improve efficiencies

A Common		
	Leach Pad	
East Big.R	ock	
	Wes	st Big Rock
Learning Control of Co		
dicated Oxide	Inferred Oxide	

		Indicated Oxide			Inferred Oxide			
	Oxide Cutoff (g/t)	Resoures			Resources			
Resource Area		Tonnes (000)	Gold g/t	Gold Ounces (000)	Tonnes (000)	Gold g/t	Gold Ounces (000)	
Blue	0.53	1,296	1.15	48	1,788	0.93	53	
Canadian	0.507	260	0.74	6	547	0.92	16	
Lower Fosters	0.479	1,523	1.30	63	295	1.47	14	
Upper Fosters	0.479	27	1.44	1	-	-	-	
Golden	0.504	2,467	1.06	84	656	1.04	22	
Kokanee	0.504	2,547	1.10	90	1,408	1.01	46	
Lucky	0.507	2,878	1.27	118	768	0.95	23	
Pacific	0.493	767	0.95	23	414	0.90	12	
Total		11,765	1.15	434	14,117	0.99	186	

<sup>(1)</sup> Any production decisions would be based on completion of a study underway to demonstrate technical and economic viability.

# Brewery Creek Mine Planning<sup>(1)</sup>



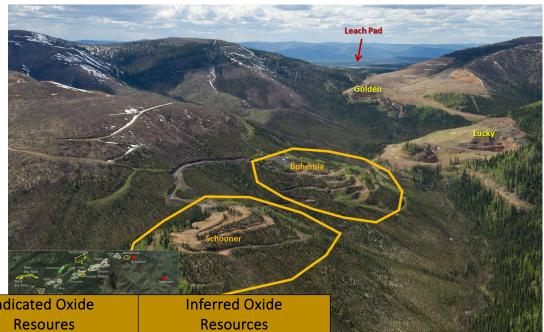
#### Phase 3: Proposed Expansion of Mining to Include New Oxide Discoveries

Permit and expand operations beyond licensed deposits over time

Exploration drilling continues in 2020 to expand known resources for future mining expansion

Most resources remain open to expansion, many targets across property remain untested

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	Oxide	Indicated Oxide Resoures			Resources		
Resource Area	Cutoff (g/t)	Tonnes (000)	Gold g/t	Gold Ounces (000)	Tonnes (000)	Gold g/t	Gold Ounces (000)
Bohemian	0.461	1,196	1.30	50	672	1.12	24
East Big Rock	0.453	1,333	0.85	36	604	0.89	17
West Big Rock	0.42	1,867	1.03	62	3,476	0.97	108
Northslope	0.504	1,038	1.18	39	943	0.79	24
Schooner	0.48	1,064	1.64	56	427	1.54	21
Sleeman	0.48	1,083	1.07	37	902	0.91	27
Total		7,581	1.15	281	7,024	0.98	221

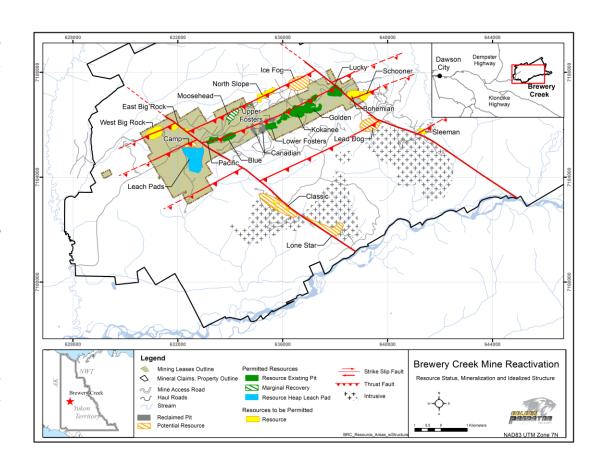
<sup>(1)</sup> Any production decisions would be based on completion of a study underway to demonstrate technical and economic viability.

# Geology/Exploration Potential



#### **Phases 4 & 5**

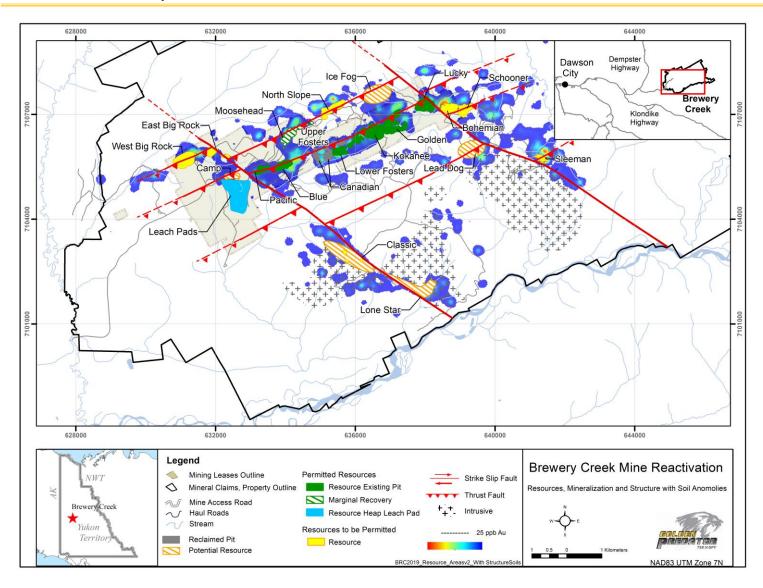
- 2010 to 2013 exploration program, increased known resources 5 fold<sup>(1)</sup>
- High exploration potential for upgrading and expanding known resources; exploration only covers a small portion of the property
- Most exploration has focused along a 7 km long east-west zone known as the "Reserve Trend"
- Known deposits (North Slope and Moosehead) and new discovery (Ice Fog) along northern thrust and newly identified discovery (Lead Dog) along southern thrust are all open to further discovery and expansion
- Large intrusive center underlies the southern portion of the property; potential of large porphyry style of mineralization at depth
- Offsets of primary thrusts are excellent targets as proven with the Big Rock discoveries; largely untested elsewhere across offsets
- Explore & work on metallurgy for sulfides, extensive sulfide resource with only cursory exploration



1) NI 43-101 Technical Report "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon, Canada" Effective Date of October 1, 2019.



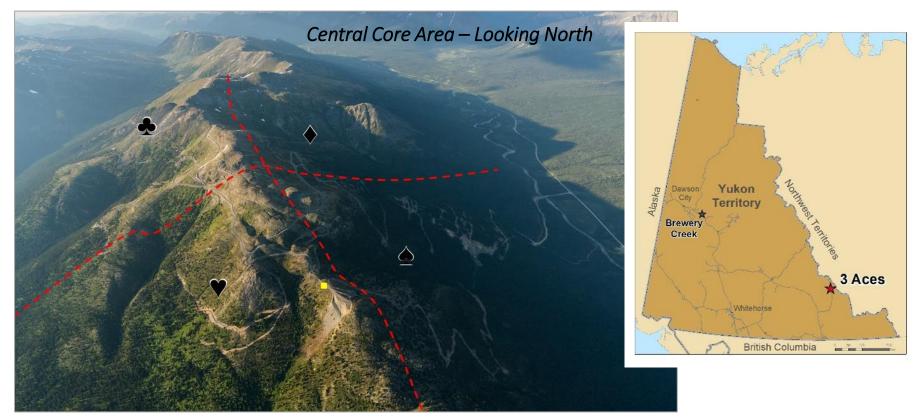
#### Soil Geochemistry, Mineralization and Structure



# 3 Aces Project



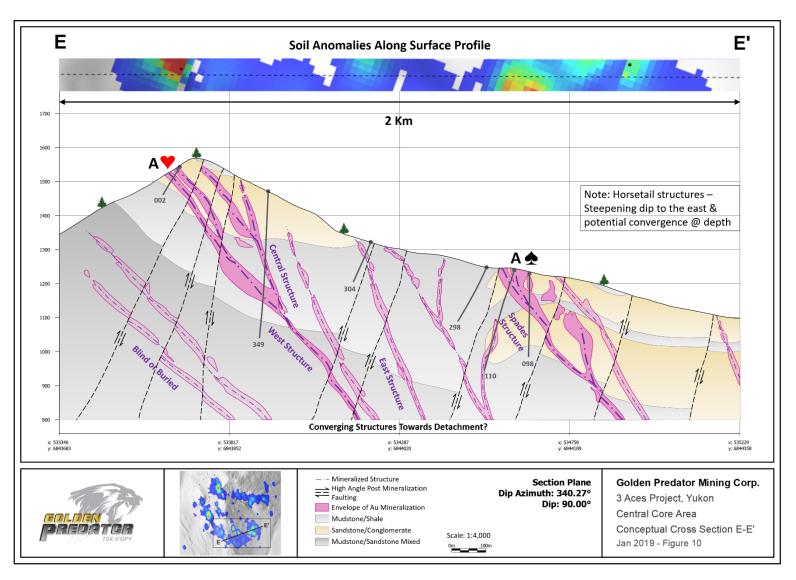
- 316 sq. km property in Southeast Yukon with road and bridge access and a Kaska Nation Exploration Agreement
- Visible gold at surface, high grade orogenic veins display persistence at depth and structural continuity
- Since 2016 over 33,000 m drilling
- Class IV Mining Land Use permit & Type B Water License
- 13.5 km² gold in soil anomaly (Central Core Area)



# 3 Aces Project



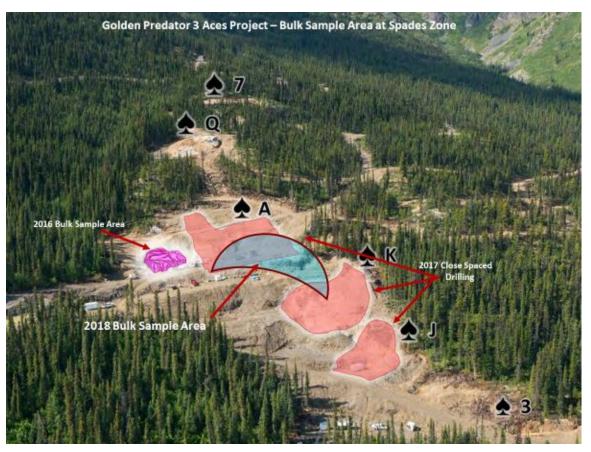




# 3 Aces Project: Bulk Sampling



- A key exploration tool at 3
   Aces to reconcile nugget
   effect of coarse gold in drill
   hole sampling and test
   potential recovery without the
   use of cyanide
- 2016 bulk sample of 770+ tonnes recovered 83% (~29 kg) of fine gold – 953.4 ounces<sup>(2)</sup>
- 9,800 tonne 2018 bulk sample program completed with ~50% processing in progress, designed to reconcile tightspaced drill results, metal distribution and provide geological interpretations for future planning
- Permitted for 10,000 tonnes annually



Spades Bulk Sample Area – 3 Aces Project



## 2020 Work Plan



#### **Brewery Creek Project**

- Drilling program to upgrade inferred resources to indicated category, expand known areas of mineralization and continue to test new areas
- Completion of fully permitted camp expansion and work towards a heap leach pad restart<sup>(1)</sup>
- Conduct optimization studies of the mine plan; continue and complete study to restart heap $^{(1)}$
- Undertake planning/permitting work for potential expansion of mining area
- Expand and enhance mining team
- Completion of updated Technical Report and Heap Restart Feasibility Study

#### **Pilot Processing Plant**

- Continue to test process 3 Aces material as permitted, expand efficiencies and testing options for optimal recovery, grade reconciliation and cyanide free processing
- Improve and advance Company developed and operated SRU™ (mobile batch processing unit) utilizing environmentally-friendly cyanide-free technology

#### **Yukon Mint**

Ongoing design and production of gold coins featuring Yukon First Nation artists

(1) Any production decision would be based on a study demonstrating technical and economic viability.

# Investing in Golden Predator

Brewery Creek Mine, Yukon, Canada A Licensed Mine with Established Infrastructure



Invested & Progressive Management



Innovative Economic and Environmental Approach

Mutually Beneficial First Nation Partnerships & Agreements

Discovery Zone Surface
Outcrop – 3 Aces
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# References

TSX.V: GPY | OTCQX: NTGSF

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