# CASSIAR GOLD

TSX.V:GLDC | OTCQX:CGLCF | FRA:756

## **GOLD FEVER** REVITALIZING THE HISTORIC CASSIAR GOLD DISTRICT IN BC

### **CASSIAR GOLD CORP** Corporate Presentation – January 2024

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Statements in this presentation other than purely historical information are forward-looking statements. Forward-looking statements include statements regarding: expectations on the size of the mineral resources on the Company's properties, timing of ability to obtain resource reports and preliminary economic assessments, plans for mineral processing, timing and ability to raise capital and use of proceeds of such financings, long-term acquisition and developments plans, and the ability to enter into acquisition or option agreements and the timing and terms of same. Generally, forward-looking statements can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", "does not anticipate", or "believes", or variations of such words and phrases that state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved". Forward-looking statements are based on management's expectations and reasonableness assumptions at the time such statements are made and are subject to all of the risks and uncertainties inherent in the Company's business, including risks inherent in resource exploration and development. As a result, actual results may vary materially from those described in this presentation. Accordingly, readers should not place undue reliance on forward looking statements. Except as required by Canadian securities law, neither the Company nor its management undertakes to update any forward-looking statements in this presentation.

Unless stated otherwise, information pertaining to the Taurus Deposit Resource of the Cassiar Gold Property is summarized, derived or extracted from, respectively, the technical report titled "National Instrument 43-101 Technical Report on the Cassiar Gold Property" prepared for the Company by Scott Zelligan, P.Geo, James Moors, P.Geo, Chantal Jolette, P.Geo. with an effective date of April 28, 2022. Scott Zelligan, P.Geo, James Moors, P.Geo, and Chantal Jolette, P.Geo., are all independent as defined by NI 43-101 — Standards of Disclosure for Mineral Projects ("NI 43-101"). Unless stated otherwise, information pertaining to the Sheep Creek Property is summarized, derived or extracted from the technical report titled "NI43-101 Technical Report on the Sheep Creek Project" by Robert A. Lane, MSc, P.Geo with an effective date of August 17, 2017. Robert A. Lane, MSc, P.Geo is independent as defined by NI 43-101 — Standards of Disclosure for Mineral Projects.

Qualified Person: Jill Maxwell, P.Geo., VP Exploration, is a "Qualified Person" as defined under NI 43-101 and has reviewed and approved the technical content of this presentation.

## **Investment Highlights**





#### **INFRASTRUCTURE & PERMITS IN SAFE JURISDICTION**

- 2 Mines Act permits, bisected by provincial highway 37, 160 km of access roads, fully owned & permitted 300 tpd mill, 17 portals, 25 km underground workings, power & water access, permanent camp already in place
- 100% owned, 59,000-hectare district-scale property package in British Columbia, Canada



#### **EXISTING RESOURCE & UNDEREXPLORED, HIGHLY PROSPECTIVE CAMP**

- NI43-101 Inferred Taurus Resource of 1.4 Moz @ 1.14 g/t Au<sup>1</sup> open in most directions laterally & at depth
- Potential for multiple bulk-tonnage/Taurus style deposits across the land package
- Several high-grade vein targets grading **10-20 g/t Au**<sup>1</sup>, successfully extended and still open along strike, with additional potential for multiple parallel as well as stacked shear vein systems



#### WORLD-CLASS LEADERSHIP TEAM

Well rounded & extremely successful group of geologists, engineers, operators, marketing and capital markets professionals with 250+ collective years in discovering, building, operating, and selling multi-billion dollar mining projects all over the world



#### COMMITTED TO RESPONSIBLE DEVELOPMENT

- Socially responsible and collaborative relationship with Community and Kaska Dena First Nations, supporting the training, hiring and development of local workforce and contractors
- Committed to advancing the projects under the highest ESG practices and continuous reporting



#### ATTRACTIVELY VALUED WITH TREMENDOUS GROWTH POTENTIAL

- **C\$29.2 M Market Cap\*** with significantly leverage to the gold price
- Focused on growing the project targeting **M&A Exit** strategy, in safe and friendly mining jurisdiction
- Strategic optionality to "bootstrap" to production leveraging existing infrastructure and mine permits





## **Safe Mining Jurisdiction Attracting Global Miners**



### Two important orogenic gold districts in BC:

### **1** Cassiar Gold FLAGSHIP PROPERTY

- Site of historical Cassiar Gold Rush with total historic gold production of 425,000 oz<sup>1</sup>
- CASSIAR NORTH: NI43-101 Taurus Inferred Resource estimate of 1.4 Moz Au @ 1.14 g/t Au<sup>1</sup> with significant resource expansion potential
- CASSIAR SOUTH: Multiple high-grade (10-20 g/t Au)<sup>1</sup> vein targets, open for expansion, with access from 25 km of u/g workings
- 100% owned, 59,000 ha property with +15 km strike of gold targets

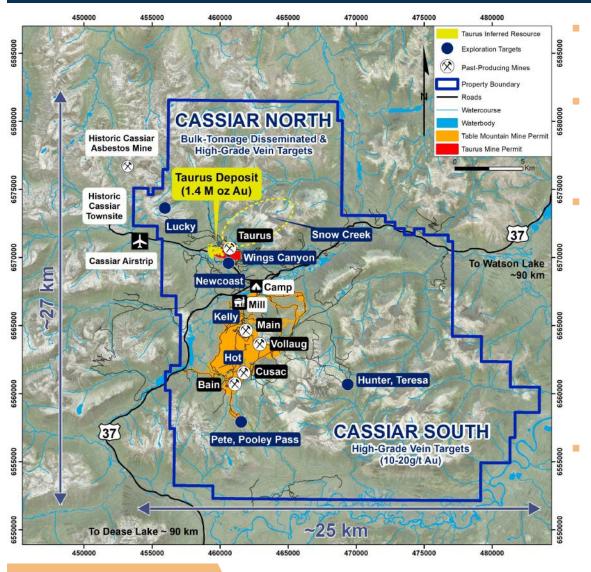
## 2 Sheep Creek

- 3rd largest past-producing orogenic gold district in BC with historical gold production (1899 - 1951) of 742,000 oz Au @ 14.7 g/t Au<sup>2</sup>
- 60-70 known veins at the camp with little exploration carried out since the 1950s
- Excellent exploration potential review underway for exploration opportunities and approaches in 2024



<sup>1</sup>Zelligan, Moors, Jolette, April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp. <sup>2</sup> August 17, 2017, NI43-101 Technical Report on the Sheep Creek Project authored by Robert A. Lane, MSc, PGeo.

## **Cassiar Gold Property Overview**



**100% owned, 59,000-hectare district-scale orogenic gold** system in the safe and stable jurisdiction of British Columbia, Canada.

**Exploration Opportunity:** expand property resource base, advance exploration through deposit expansion, optimization, and the potential for new discovery in the Cassiar District.

#### **TWO KEY PROJECT AREAS:**

- CASSIAR NORTH (North of Highway 37): near-surface, bulktonnage Taurus Deposit hosting 1.4 Moz Au @ 1.14 g/t Au<sup>1</sup> inferred mineral resource.
- CASSIAR SOUTH (South of Highway 37): Past-producing highgrade quartz vein deposits (10-20 g/t Au)<sup>1</sup> open along strike; similar mineralization style to Barkerville and Fosterville.

The property hosts over 90 Minfile showings and over 70 known individual veins or segments with several high-grade and bulk-tonnage targets across property.

## **Outstanding Access Surrounded by Infrastructure**



- Paved Provincial Highway 37 bisects the property with the paved Cassiar road passing through the Taurus Deposit area.
- Permanent camp with power & water access along with 160 km of property access roads, owned/permitted 300 tpd mill and 25 km of underground workings.
- 1.2 km Cassiar airstrip in good condition just outside of property boundary.









## **Outstanding Infrastructure in Safe Jurisdiction**





**Click <u>HERE</u> to explore the property using our <u>VIRTUAL TOUR</u>!** 

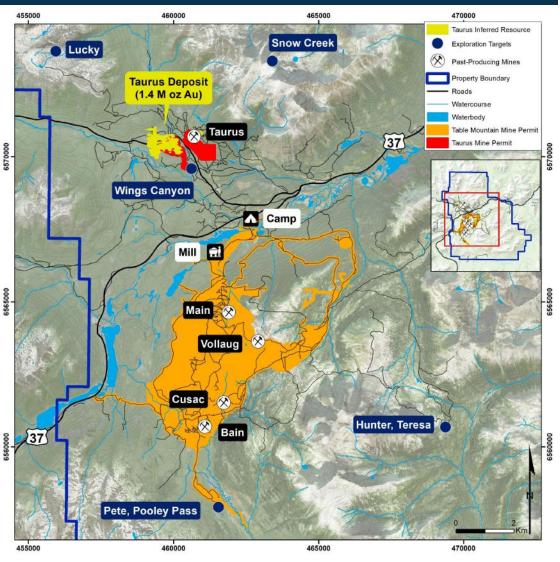
## **Mine Permits & Permitted Mill Already in Place**



In addition to having an exploration permit, there are two active mine permits on the property (red/orange areas on map):

- **Taurus Gold Mine Permit (M-149) (1.2km<sup>2</sup>)** covers the past-producing Taurus Mine; the majority of the current Taurus resource footprint; 2 tailings facilities and former mill site.
- **Table Mountain Permit (M-127) (20km<sup>2</sup>)** at Cassiar South covers all pastproducing mines on Cassiar South, 2 tailings facilities, and 300 tpd mill.
- Fully owned & permitted 300 tpd mill produced both gravity and flotation concentrates that were sold offsite. Mill was last in production in 2007<sup>1</sup>, partially refurbished in 2010 and currently in good condition.
- Recoveries averaged 93%<sup>2</sup> and up to 96% at Cassiar South.





<sup>1</sup> Zelligan, Moors, Jolette, April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp. <sup>2</sup>Cowley, 2017. NI43-101 Technical Report on the Cassiar Gold Property, British Columbia, Canada, for China Minerals Mining Corp, June 26, 2017, revised Oct. 2, 2017, and references therein

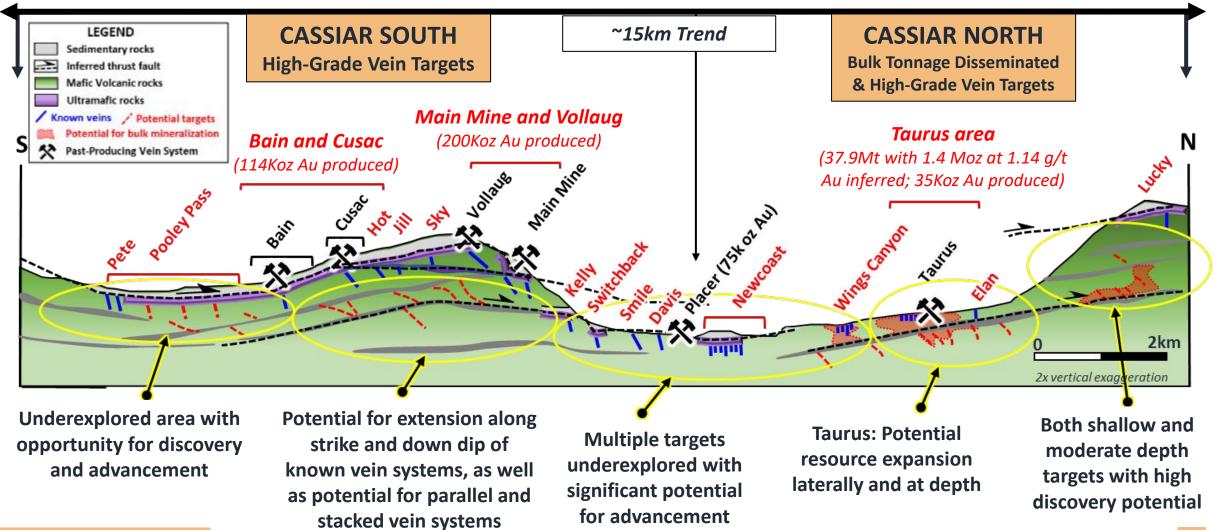
## **District Scale Discovery Potential**



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#### Click <u>HERE</u> to watch the Technical Presentation hosted by David Rhys!

#### **Cassiar Gold Property - Schematic Longitudinal Section, Looking West**



## Exploration Program Overview



	Drill Campaign					
Project Area	Drill Metres	Description				
Taurus Deposit (Cassiar North)	9,200 m	<ul> <li>~80% focused on 50-100 m step-out holes around the deposit to test for extensions of key mineralized trends and potentially expand the resource laterally.</li> <li>~20% focused on infill, confirmation, and deeper drilling. Infill drilling will fill in gaps between widely spaced historical holes. Deeper drilling will focus on expanding mineralization at depth.</li> </ul>				
Outlying Targets	3,738 m	• Drilling at high-priority regional targets such as Newcoast, Lucky, and step-out holes at Wings Canyon.				
Cassiar South	3,200 m	<ul> <li>Drilling focused on testing for blind parallel vein systems, known vein extensions, and vertical stacking of favourable stratigraphy.</li> </ul>				
Exploration Fieldwork						
<ul> <li>Mapping and sampling work over a 30km<sup>2</sup> area including various regional targets such as Newcoast, Elan, Snow Creek, and Lucky with over 300 grab samples collected.</li> </ul>						
<ul> <li>Soil sampling program over a 3km<sup>2</sup> area from Taurus East to Snow Creek regional target with 500 samples collected.</li> </ul>						
<ul> <li>Induced polarization (IP) survey over an 11km<sup>2</sup> area at Cassiar North.</li> </ul>						
Research and Development (ongoing)						
• Geological domaining at Taurus – initial petrologic and petrographic review, leading to DMIS; LECO sulphur and cyanide soluble gold analysis.						

## **Cassiar South: High-Grade History & Potential**



- Multitude of shear quartz vein gold targets with historical production of ~315,000 oz<sup>1</sup> from four vein systems and 15 portals.
- Historical recovered grades of ~10-20 g/t Au<sup>1</sup> with mine dilution.
- Past-producing vein systems hosted up to ~150koz Au and known vein prospects occur roughly 400 to 600 m apart.
- High-Grade Discovery Opportunities:
  - Multiple past-producing vein systems remain open along strike & down dip near mine workings.
  - Known vein targets remain under-explored.
  - Periodicity of vein systems and stratigraphic repetition suggest high potential for blind stacked and parallel veins.

Past Production from Cassiar South High-Grade Veins <sup>1</sup>							
Veins	Year Mined	Tonnes (approx.)	Ave. Grade Gold g/t	Oz Gold			
Jennie-Maura-Alison-Bear (Main)	1979-1988	272,000	17.14	150,000			
Eileen-Michelle-Lily (Cusac)	1986-1997	136,000	20.57	90,000			
West Bain (Bain)	1993-1995	54,500	13.71	24,000			
Vollaug (Vollaug)	1980-1997	154,000	10.28	50,000			
Bear (Main)	1998	-	-	1,000			
Rory (Main)	2006-2007	5,900	3.43	651			
		Total		315,651			

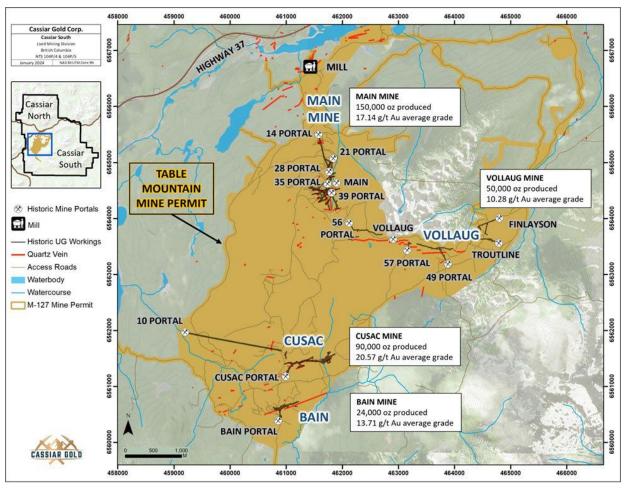
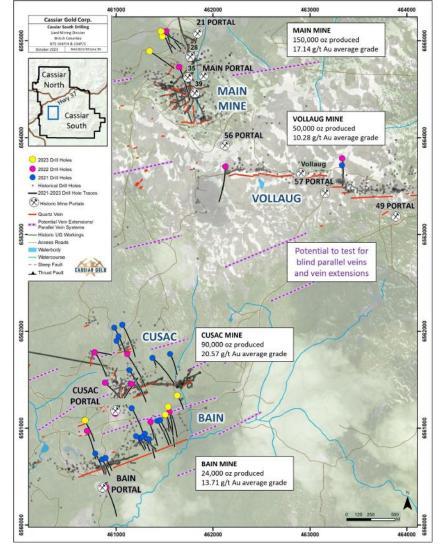


 Table Mountain (M-127) Mine Permit area with location of mill and mine infrastructure at Cassiar South Historical production figures from April 2022 NI43-101 Technical Report by Zelligan, Moors, Jolette.

## **Drill Program Details: Cassiar South**



- 18,000 m of drilling 2021-2023
  - 3,200 m in 2023
- Cassiar Gold drilling identified:
  - Extensions of known mineralization near existing infrastructure
  - Interpreted offset vein segment of past producing Bain vein system
  - Gold-bearing quartz veins adjacent to known vein systems
  - Confirmed continuity of high-grade mineralization at the East Bain vein



Drill hole location map of exploration and expansion holes relative to mine infrastructure. Production figures from past producing mines are from Zelligan, Moors, Jolette 2022.

East Bain			From (m)	To (m)	Length (m)	Grade (g/t Au)
	21EBX-300 <sup>2</sup>		182.8	187.6	4.8	35.10
Extension		incl.	183.2	183.7	0.5	105.00
		and	184.3	184.7	0.4	270.00
	21EBX-301 <sup>2</sup>		143.8	150.1	6.3	12.64
		incl.	145.7	148.7	3.0	25.70
		incl.	146.6	147.3	0.7	85.35
	22EBX-1031		159.5	174.1	14.6	2.21
		incl.	160.2	168.7	8.5	3.22
		incl.	164.7	168.7	4	5.05
			361.9	364.1	2.2	32.95
		incl.	362.3	362.8	0.6	123.50
	22EBX-106 <sup>2</sup>		281.6	281.9	0.4	14.75
Main Mine	22MM-001 <sup>1</sup>		115.9	131.8	15.9	0.98
		incl.	120.6	126.4	5.9	1.5
	22MM-0031		126.9	177.2	50.2	0.66
			197.0	212.6	15.6	1.22
	23MM-004 <sup>1</sup>		139.2	376.8	237.6	0.69
		incl.	285.9	294.2	8.3	2.39
		with	292.8	294.2	1.4	5.93
		and	305.1	306.8	1.7	3.71
		and	336.5	350.7	14.2	1.64
		and	356.2	368.8	12.6	1.61
Vollaug	22VOL-7011		28.0	30.0	2.0	4.8
		incl.	29.0	30.0	1.0	7.03
	22VOL-701A <sup>1</sup>		28.7	29.9	1.2	5.77
Cusac	21CU-401A <sup>1</sup>		317.5	320.7	3.2	4.65
		incl.	317.5	318.7	1.2	10.71
	22CU-4071		21.1	24.5	3.4	2.35
		incl.	21.5	22.3	0.8	7.2

<sup>2</sup> Drill core lengths are reported here. True widths for these intervals have not been established <sup>2</sup> Drill core lengths are reported here. Intercepts for the main Bain vein are 80-95% of true width

## **Cassiar South 2022:** Bain Vein Highlights

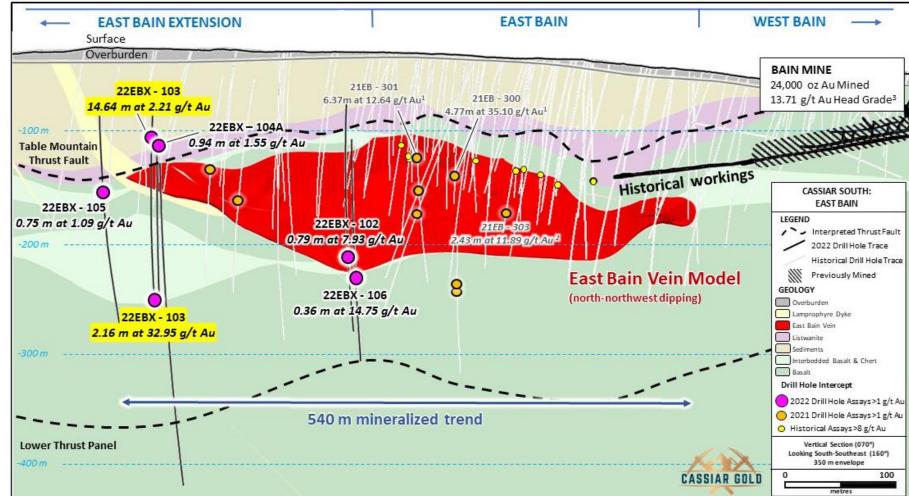


04 APR 2023

Cassiar Gold Extends Gold Mineralization at East Bain Intersecting 14.6 m of 2.21 g/t Au and 2.2 m of 32.95 g/t Au



Visible gold encountered in 22EBX-103

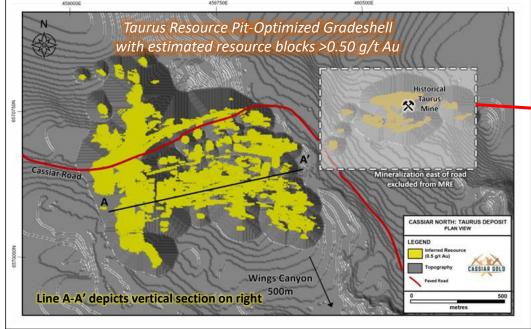


Vertical long section looking south-southeast at the Bain vein system with 2022 East Bain Extension drill hole results and select 2021 program intercepts.

## **Cassiar North: Taurus Deposit**

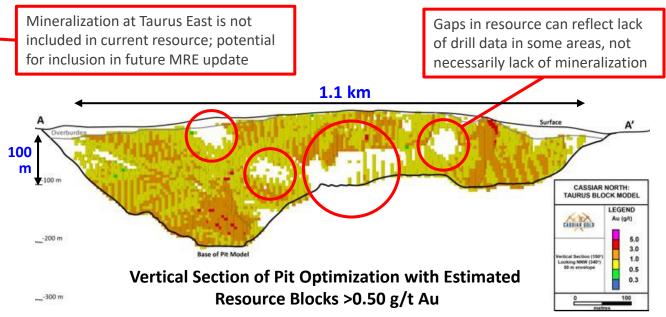


2022 NI 43-101 Taurus Inferred Mineral Resources <sup>1</sup>							
Resource Category	Cut-off Au g/t	Tonnes	Au g/t	Au oz			
Inferred	0.40	44,600,000	1.03	1,480,000			
Inferred	0.50	37,900,000	1.14	1,390,000			
Inferred	0.60	32,000,000	1.24	1,280,000			
Inferred	0.70	27,000,000	1.36	1,180,000			
C							



Assumptions: Metal price used was US\$ 1,800/oz Au (Exchange Rate 0.78\$US:1\$C) with process recoveries of 92%. A C\$15/t OPEX mining cost, C\$11/t process cost, and C\$4.50/t G&A cost were used. The constraining pit optimization uses pit slopes of 45°, dilution of 5% and mining recovery of 98%. Strip Ratio is calculated at 4.36:1.

- 2022 NI43-101 Compliant Inferred Mineral Resource Estimate of 1.4 Moz @ 1.14 g/t Au using 0.5 g/t cut-off grade.<sup>1</sup>
- 90% of ounces occur within 150 m from surface, on average 10 m overburden.
- Open-pittable, pit constrained resource currently bottoming at 200 m
- Mineralization is largely constrained by drilling with high potential for resource expansion laterally, at depth and within the resource open pit shell.
- Taurus East past production: 35,000oz @ 3.8 g/t Au<sup>2</sup> recovered grade from 1981-8



<sup>1</sup> Zelligan, Moors, Jolette April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp. <sup>2</sup>Taurus MINFILE Production Detail Report, file number 104P 012, BC Geological Survey

## **Taurus Deposit:** Mineralization Styles



- Mineralization Type<sup>1</sup>: Basalthosted, low-sulfide gold-bearing veins and well-defined alteration envelopes of quartz, sericite-iron carbonate and pyrite.
- Vein density, alteration intensity and shear zone distribution aid in defining and modeling higher grade corridors of mineralization.

#### **Two Mineralization styles:**

- East-Northeast trending, steeply dipping sets of sheeted quartz extension veins associated with steep, West-Northwest trending shear zones.
- 2) Broad zones of disseminated pyrite-mineralization in carbonate altered mafic volcanic rocks surrounding structures, especially near Taurus West Fault.



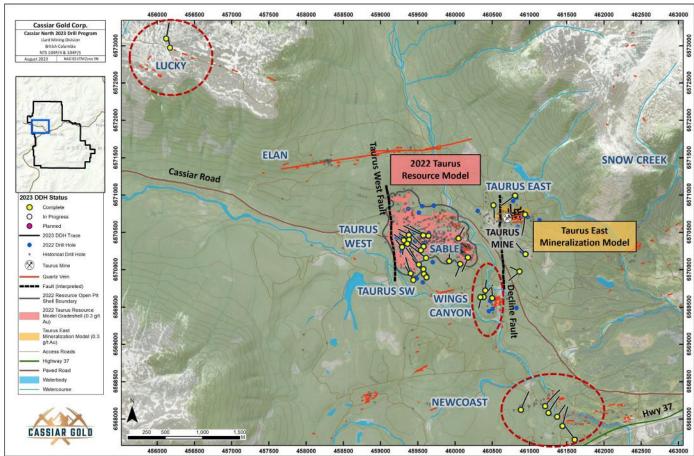
<sup>1</sup> Zelligan, Moors, Jolette April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp.

## **2023 Drill Program Details at Cassiar North**



- 9,200 m Taurus Deposit drill campaign complete.
- ~80% focused on 50-100 m step-out holes around the deposit to:
  - Test for extensions of key mineralized trends and potentially expand the resource laterally.
- ~20% focused on infill, confirmation, and deeper drilling:
  - Infill drilling will fill in gaps between widely spaced historical holes.
  - Deeper drilling will focus on expanding mineralization at depth.
- 3,738 m drilling at high-priority outlying targets such as Newcoast, Lucky, and step-out holes at Wings Canyon.

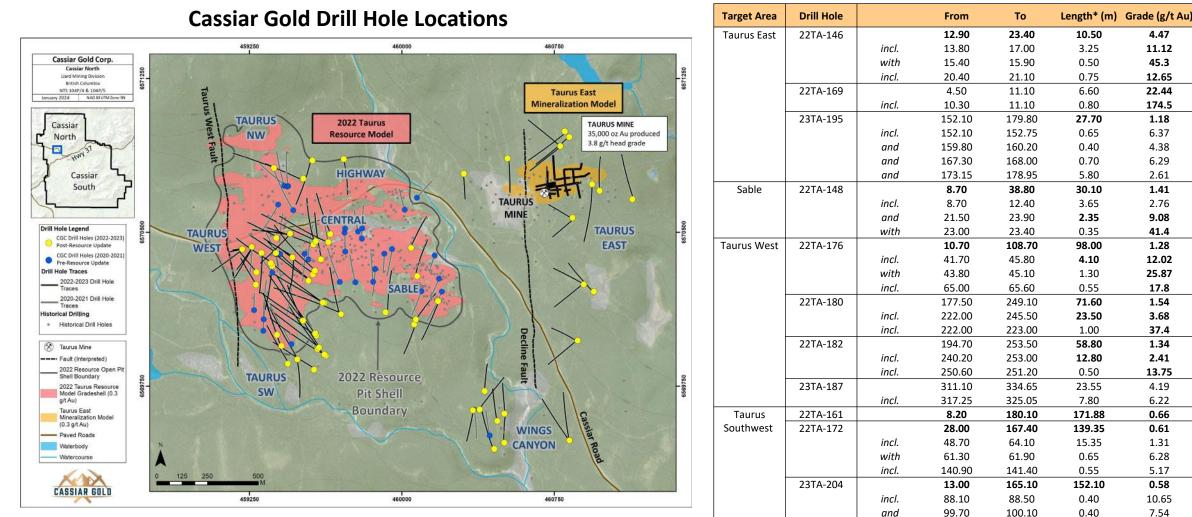
#### **2023** Cassiar North Drillhole Locations



Cassiar North 2023 plan map of locations of exploration and expansion drilling (red dashed circles) relative to the Taurus deposit. Surface projection of the 2022 resource estimate >0.3 g/t Au grade shell is shown for reference (from Zelligan, Moors, Jolette 2022).

## **Drill Program Details at Taurus**





Drill hole location map of exploration and expansion holes relative to the Taurus deposit. Surface projection of the 2022 resource estimate >0.3 g/t Au grade shell is shown for reference (from Zelligan, Moors, Jolette 2022).

Find all reported Cassiar Gold Program Results from Taurus here

and

and

and

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132.30

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17

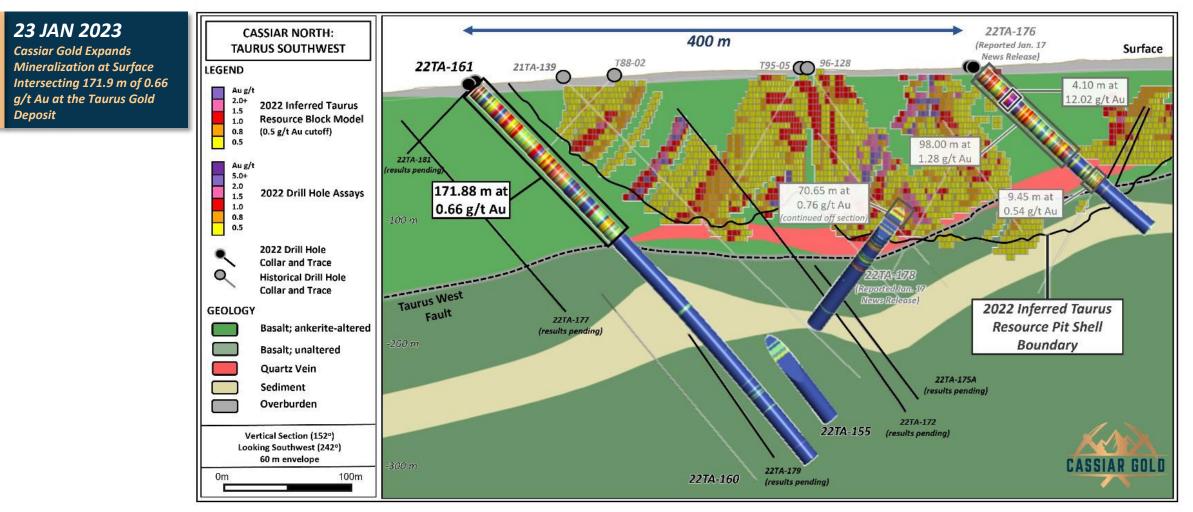
3.37

2.73

2.22

## **2022 Drill Campaign: Taurus West & Southwest**



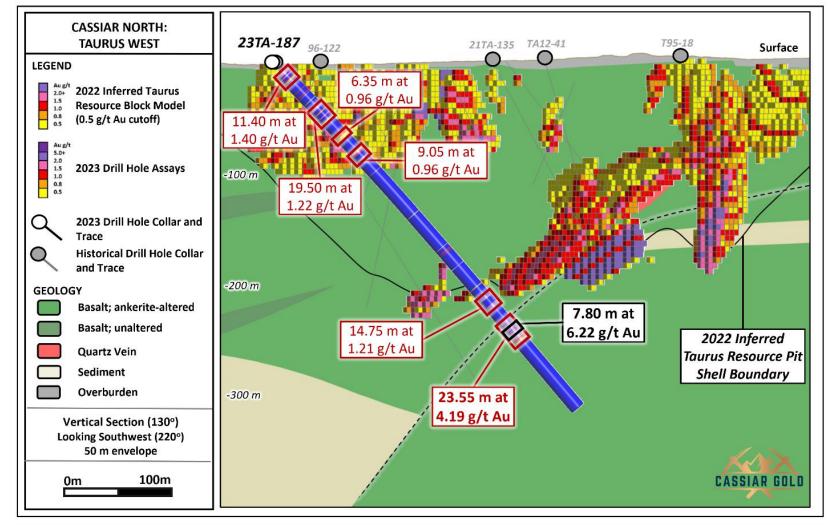


Vertical section showing 22TA-161 at the Taurus Deposit, looking southwest with the 2022 Taurus Resource Block Model for reference.

## **2023 Drill Program - Taurus West at Cassiar North**



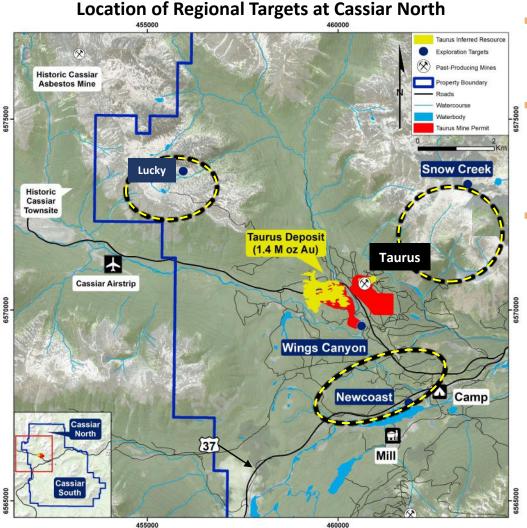
**12 SEP 2023** Cassiar Gold Expands Gold Mineralization at the Taurus Deposit, Drilling Results Include 23.6 m of 4.19 g/t in the Taurus West Area



Vertical section showing 22TA-187 at the Taurus Deposit, looking to the southwest. Assay results in red and higher-grade nested intervals in black are reported in this news release. Section width +/- 25m.

## **Underexplored & Highly Prospective - Priority Regional Targets**





## **Newcoast** - ~2 km long east-west corridor with shallow and outcropping quartz veining, pyrite, and silica, sericite, and iron carbonate alteration; similar to Taurus. Very limited historical drilling with samples exceeding 5 g/t.<sup>1</sup>

- Lucky Large multi-element soil geochemical anomaly defined over 1 km area 4 km west of Taurus Deposit. Numerous quartz veins exposed within an area of strong iron-carbonate altered mafic volcanics and listwanite. 2019 surface rock samples assayed 313.0 g/t Au and 151.5 g/t Au.<sup>2</sup>
- **Snow Creek** Quartz veining, pyrite, and varying amounts of silica, sericite, and iron carbonate similar to the Taurus Deposit.



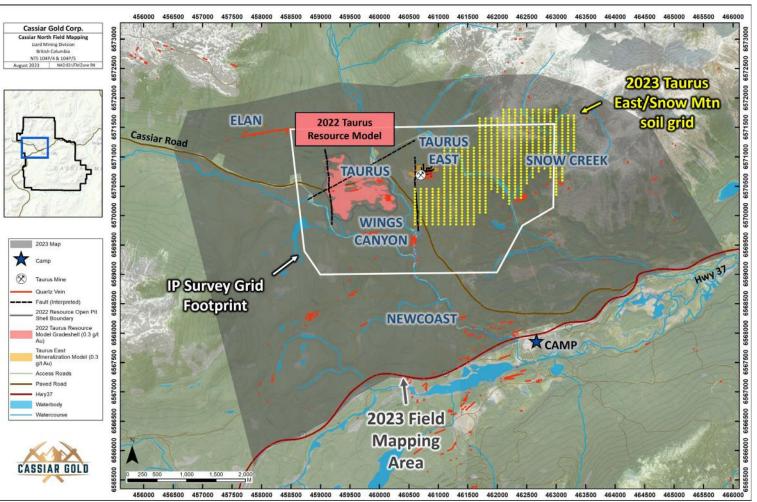
<sup>1</sup> Assay results from 2006 Assessment Report on the Table Mountain and Taurus Property, AR29235, Event Number: 4145387, prepared by Mike Glover. <sup>2</sup> Zelligan, Moors, Jolette April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp

## **2023 Field Program** – Surface Sampling, Mapping and IP



#### Mapping

- 30 km<sup>2</sup> area with >300 surface grab samples.
- samples submitted for fire assay, multielement, and select whole rock geochemical analyses.
- Induced polarization (IP) survey
  - 50 line-km, 200 m line spacing, 50 m sample stations.
  - Potential for direct detection of pyritic mineralization such as is present within the Taurus Deposit.
- Soil survey grid
  - 3 km<sup>2</sup> area, 100 m line spacing, 50 m sample spacing; 500 samples collected
  - Tests covered area along strike of Taurus/Wings Canyon mineralization.
- Field work completed will directly contribute to ongoing target development on the property.



Map of location and extent of 2023 areas subject to field mapping/sampling, soil sampling, and geophysical (IP) data collection.

## World-Class Leadership Team





## **Committed to Social & Environmental Responsibility**







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Cassiar Gold acknowledges, respects, and supports the rights of the Kaska Dena First Nations on the lands and communities where we operate.

Since Cassiar Gold has started managing the project in 2019, CGC has continuously engaged with the local community to support initiatives such as the construction of a local hockey rink and team sponsorship, local hires, site clean up/assessments, educational training supports and procurement of core boxes from the Dease River Development Corporation amongst other partnerships. ESG reporting and initiatives are in place to continually monitor and improve our impacts to the surrounding community and environment.

Organizations that our team members are actively involved with include the **Chamber of Mines, Community Futures and Streamkeepers Society**.



#### **Community Engagement**

Our company and crew are dedicated to the communities we live in, the communities we work with and the lands we work on. We strive for our personal and professional lives to reflect our values: volunteering our time and resources for several local groups & organizations and maintaining strong community pride.

#### **Environment**

We pride ourselves on learning, listening and collaborating on the highest level of environmental standards. Our partnerships with local environmental groups expand our knowledge and resource base to constantly strive for the best in our personal lives, our office operations and our field work.

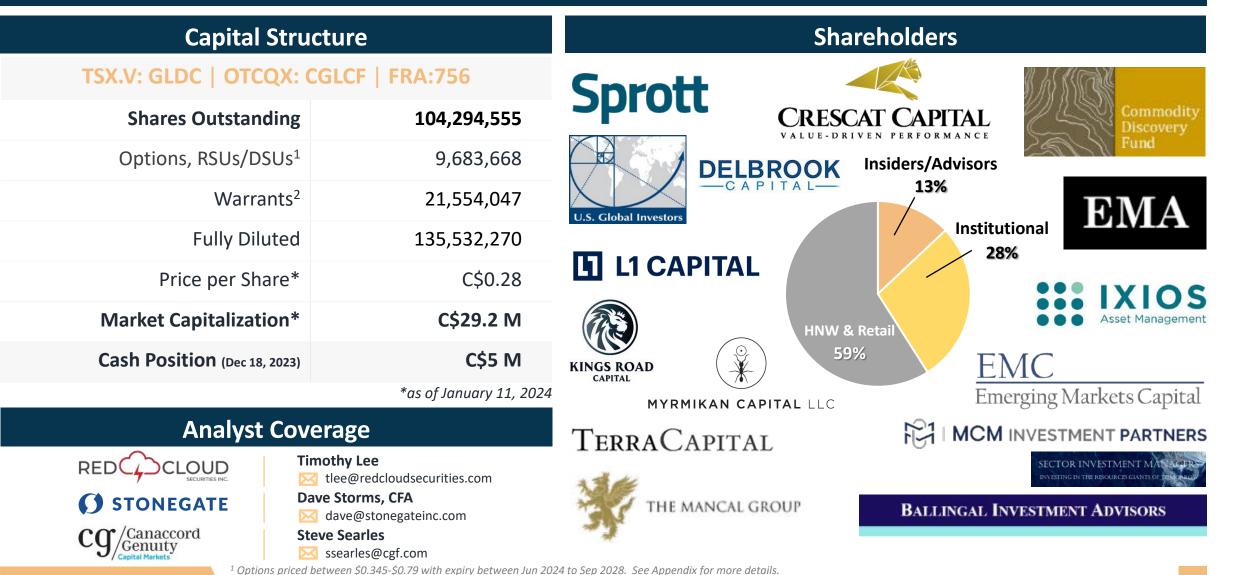
#### **Local Economic Impact**

From the people we hire, to the businesses we support, we are connected to the local economy. Local, non-discriminatory hiring and the use of local suppliers and businesses connect us with our communities. Our team members are dedicated to strengthening the local economy, not only in our purchasing and hiring, but also through our volunteer organizations and lifestyles.

2021 & 2022 Sustainability Report 2021 & 2022 ESG Scorecard

## Share Structure & Ownership Mix





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<sup>2</sup> Warrants priced between \$0.50 -\$1.05 with expiry between Jun 2024 to Dec 2025. Potential proceeds from warrant exercise is \$15.5M. See Appendix slide for more details

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•	2024						
	Q1	Q2	Q3	Q4			
2023 Exploration Program Drill Results							
Taurus Geological & Geochemical Domain Work							
Potential Resource Update					-		
2024 Exploration Program					_		







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## **Investment Highlights**





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- 100% owned, 59,000-hectare district-scale property package in British Columbia, Canada



#### **EXISTING RESOURCE & UNDEREXPLORED, HIGHLY PROSPECTIVE CAMP**

- NI43-101 Inferred Taurus Resource of 1.4 Moz @ 1.14 g/t Au<sup>1</sup> open in most directions laterally & at depth
- Potential for multiple bulk-tonnage/Taurus style deposits across the land package
- Several high-grade vein targets grading **10-20 g/t Au**<sup>1</sup>, successfully extended and still open along strike, with additional potential for multiple parallel as well as stacked shear vein systems



#### WORLD-CLASS LEADERSHIP TEAM

Well rounded & extremely successful group of geologists, engineers, operators, marketing and capital markets professionals with 250+ collective years in discovering, building, operating, and selling multi-billion dollar mining projects all over the world



#### **COMMITTED TO RESPONSIBLE DEVELOPMENT**

- Socially responsible and collaborative relationship with Community and Kaska Dena First Nations, supporting the training, hiring and development of local workforce and contractors
- Committed to advancing the projects under the highest ESG practices and continuous reporting



#### ATTRACTIVELY VALUED WITH TREMENDOUS GROWTH POTENTIAL

- **C\$29.2 M Market Cap\*** with significantly leverage to the gold price
- Focused on growing the project targeting **M&A Exit** strategy, in safe and friendly mining jurisdiction
- Strategic optionality to "bootstrap" to production leveraging existing infrastructure and mine permits





## CASSIAR GOLD

SX.V:GLDC | OTCQX:CGLCF | FRA:756

## Appendix

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## **Cassiar North – Wings Canyon**

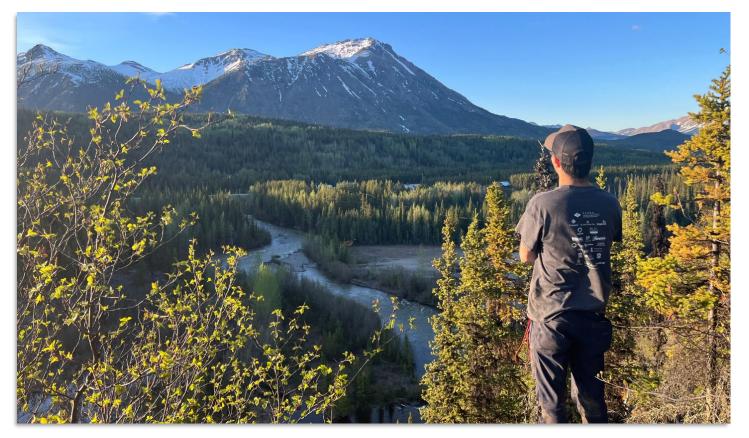


- Wings Canyon An area of intense iron-carbonate and sericite altered mafic volcanics with up to ~15% narrow sheeted quartz veining and disseminated pyritohedrons over ~500 x 180 m area.
- Alteration, veining & sulphide mineralization is similar in character to the Taurus deposit.
- Historical drill intercepts include 128.5 m of 0.56 g/t
   Au and 90.6 m of 0.55 g/t Au.<sup>1</sup>
- Limited exploration between Wings Canyon & the Taurus deposit which lies ~500 m to the northwest.

## **Cassiar North – Snow Creek**



Snow Creek - Quartz veining, pyrite, and varying amounts of silica, sericite, and iron carbonate similar to the Taurus Deposit.





### **Cassiar North – Newcoast**





Examples of east-west trending sheeted vein sets with gold-bearing iron carbonate and sericite alteration envelopes observed in outcrop from the Newcoast target area at Cassiar North.

<sup>1</sup> Assay results from 2006 Assessment Report on the Table Mountain and Taurus Property, AR29235, Event Number: 4145387, prepared by Mike Glover.

- Approximately 2 km long east-west corridor with shallow and outcropping quartz veining, pyrite, and silica, sericite, and iron carbonate alteration
- Rocks and quartz veining are similar in character to those observed at the Taurus deposit, 2 km to the north of Newcoast.
- Very limited historical drilling with samples exceeding 5 g/t.<sup>1</sup>
- Six drill holes totaling 2,172 m drilled at Newcoast by Cassiar Gold during the 2023 field season.

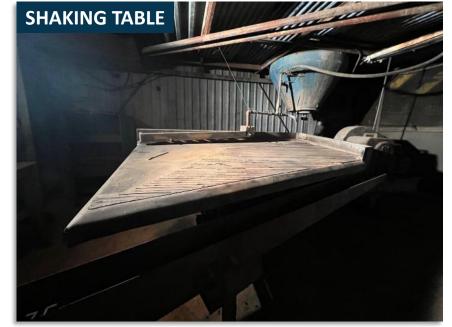
## **Owned & Permitted Mill**

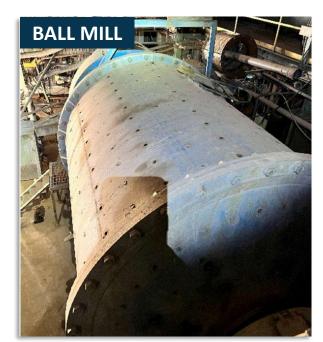




- Permitted 300 tpd mill produced **both gravity and flotation concentrates** that were sold offsite. Mill was last in production in 2007<sup>1</sup>, partially refurbished in 2010 and currently in good condition.
- Covered by Table Mountain Permit (M-127).
- Recoveries averaged 93%<sup>2</sup> and up to 96% at Cassiar South.





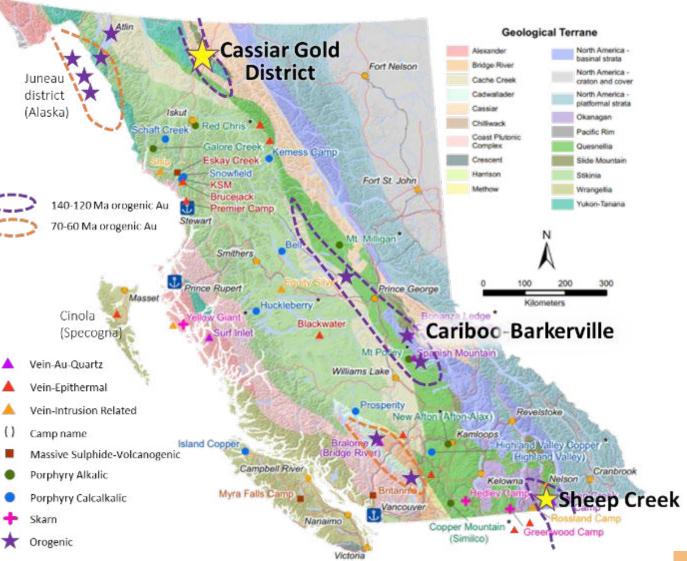


<sup>1</sup> Zelligan, Moors, Jolette, April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp. A: 756 <sup>2</sup>Cowley, 2017. NI43-101 Technical Report on the Cassiar Gold Property, British Columbia, Canada, for China Minerals Mining Corp, June 26, 2017, revised Oct. 2, 2017, and references therein

## **Geological Setting**



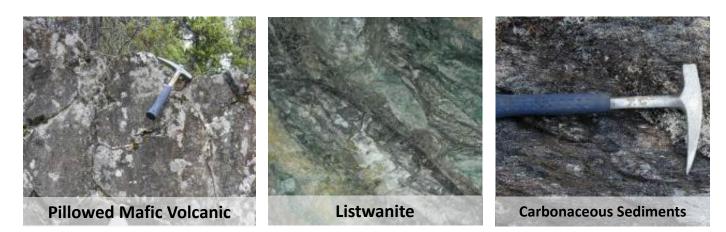
- Cassiar Gold property located on inland BC orogenic gold belt (140-120 Ma) - a younger equivalent to geological setting in the Abitibi Greenstone Belt, West Africa and Western Australia (eg. Fosterville).
- Belt includes Cariboo-Barkerville (>5 Moz),
   Sheep Creek (0.7 Moz) and Cassiar Gold
   District (>0.4 Moz).
- Cassiar Gold District is hosted by the Sylvester Allochthon, a portion of the Slide Mountain ophiolitic terrane composed of stacked, shallow dipping thrust panels of Paleozoic to early Mesozoic mafic volcanic rocks, ultramafic sills and fine-grained siliciclastic sediments.

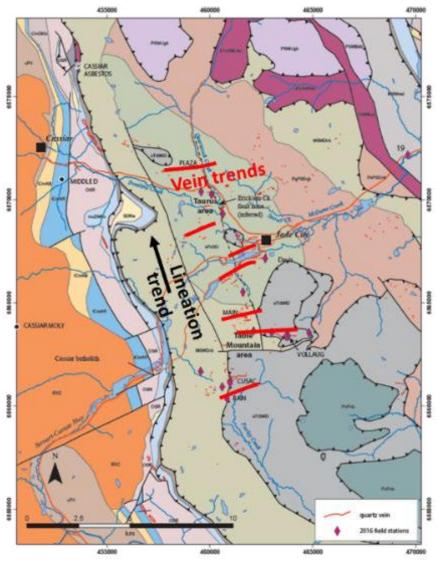


## **Cassiar Property Geology**



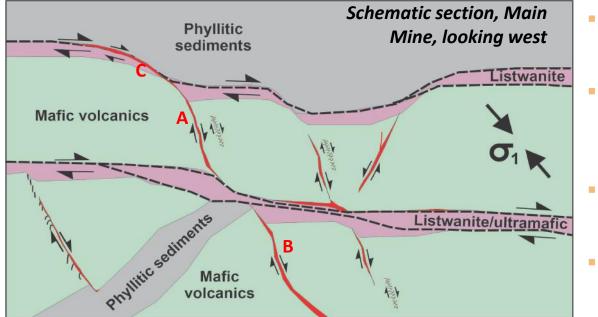
- Host rocks are a stacked sequence of gently dipping competent mafic volcanic rocks layered with weaker altered ultramafic (listwanite) and fine-grained sedimentary units (ophiolite sequence).
- Shallow dipping high strain zones with carbonate-sericite alteration are localized along the weaker listwanite and sedimentary units, acting as structural control and fluid conduits to vein systems.
- Gold-bearing veins formed in stacked mafic volcanic panels in NWside down, apparent normal shear zones that accommodate displacement between weaker units.





## **Cassiar South:** Classic Orogenic Gold Veins





- Classic orogenic-style, quartz-carbonate pyrite-tetrahedrite + visiblegold-bearing shear veins with free gold.<sup>1</sup>
- Veins occur in mafic volcanic rocks stacked between low-angle listwanite-bearing thrust surfaces and lenses of fine-grained clastic sediments.
- Mined veins average 2-3 m thick with local strike lengths of >600 m (eg. Vollaug, Bain) and extend 30-150 m down dip.
- Veins are spaced 10s to 100s of meters apart and stacked in multiple mafic units -- potential for untested parallel and vertical repetition.



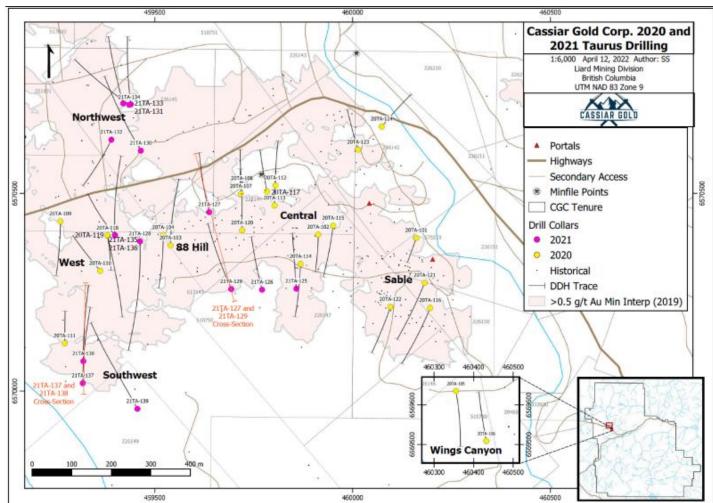
<sup>1</sup> Zelligan, Moors, Jolette April 28, 2022. National Instrument 43-101 Technical Report on the Cassiar Gold Property, prepared for Cassiar Gold Corp.

## **Basis of 2022 Mineral Resource Estimate**



- 2022 NI43-101 Mineral Resource Estimate based on 462 drill holes (~56,500 m) drilled by previous operators and Cassiar Gold.<sup>1</sup>
- Cassiar drilled 39 holes in the Taurus area totaling 8,800 m in 2020 and 2021 intended to:
  - Confirm historical drill data;
  - Infill several widely drilled portions of the deposit; and
  - Test expansion potential though step-out drilling which resulted in the expansion of the deposit footprint.
- Both programs succeeded in confirming higher grade corridors of mineralization and filled in gaps in the mineralization model.

#### Cassiar North Taurus 2020 – 2021 Drill Plan



## **Cassiar South 2022** Drill Program Highlight Intercepts



Drillhole **Target Area** То Length Grade From 22EBX-103<sup>+</sup> 159.5 174.1 14.64 m 2.21 g/t Au East Bain 160.2 168.7 8.52 m 3.22 g/t Au Extension incl. incl. 164.7 168.7 3.98 m 5.05 g/t Au 361.9 364.1 2.16 m 32.95 g/t Au 362.3 362.8 0.55 m 123.50 g/t Au incl. 22EBX-106<sup>2</sup> 14.75 g/t Au 281.6 281.9 0.36 m 22MM-001 Main Mine 0.98 g/t Au 115.9 131.8 15.9 m 120.6 5.9 m 1.50 g/t Au incl. 126.4 22MM-002<sup>1</sup> 255.5 256.1 0.6 m 4.18 g/t Au 269.0 294.1 25.2 m 0.59 g/t Au 308.6 332.8 24.2 m 0.61 g/t Au 126.9 177.2 50.2 m 0.66 g/t Au 22MM-0031 197.0 212.6 15.6 m 1.22 g/t Au 9.0 m 219.8 228.9 1.01 g/t Au 22VOL-701 Vollaug 28.0 30.0 2.0 m 4.80 g/t Au incl. 29.0 30.0 1.0 m 7.03 g/t Au 22VOL-701A<sup>1</sup> 28.7 29.9 1.2 m 5.77 g/t Au 22CU-407<sup>1</sup> Cusac 21.1 24.5 3.4 m 2.35 g/t Au incl. 21.5 22.3 0.8 m 7.20 g/t Au

<sup>1</sup>Drill core lengths are reported here. True widths for these intervals have not been established

 $^{2}$ Drill core lengths are reported here. Intercepts for the main Bain vein are 80-95% of true width

Visible gold encountered in 22EBX-103



Visible gold encountered in 22WB-203



News Release: https://cassiargold.com/news/2023/409-assiaroldntersects502mof066gtuncluding1520230420110302.html News Release: https://cassiargold.com/news/2023/406-assiaroldxtendsoldineralizationatastainnters20230404110301.html

## **Cassiar South:** Bain Vein Drill Highlights



- Bain vein system produced 24,000 ounces of gold at an average grade of 13.71 g/t Au from 1993 to 1995.<sup>1</sup>
- Historical drilling by previous operators in 1990/91, 2002, 2008 and 2009 in unmined areas returned significant mineralized intercepts, demonstrating the continuation of the vein system to the east to form a 1.5 km long corridor of known high-grade mineralization (see table on right).
- The area was subject to additional mine development in 2009 to within 50 m of the unmined East Bain vein, allowing for ease of potential future underground and mining access.

<sup>2</sup>Drill core lengths reported in the table on the right for **2021** East Bain/East Bain Ext drillholes are ~80-95% of true width.

<sup>3</sup>Pre-2021 composites calculated using historical assay data. Source documents for historical program details are as follows:

- Bain, J., (1991) Erickson Gold Mining Corp., Geophysical, Geological and Diamond Drilling Report On Exploration Conducted In 1990 And 1991 In The Cusac Area, Erickson Gold Mine Property, Cassiar District, Liard Mining Division Volume I. Assessment Report 21,547. May 30, 1991.
- Glover, M.J., (2002) Cusac Gold Mines Ltd., Table Mountain Gold Property, Diamond Drilling Report, Nu-Tara and Cordoba Claims, Liard Mining Division, East Bain Vein, 2002 Field Season. Assessment Report 27,079. December 3, 2002.
- Van Bui, P., (2009) Hawthorne Gold Corp., 2008 geochemical sampling, geophysics, and diamond drilling assessment report for the Cassiar Gold Property, McDame Creek area, Liard Mining District, Northern British Columbia. Assessment Report 30,623. March 6, 2009.

Significant ur	Significant unmined historical and 2021 drill results in the unmined Eastern Bain corridor with grades of >10 g/t Au (*denotes 2021 drillholes)						
Target area	Drillhole <sup>3</sup>	From (m)	To (m)	Length <sup>2</sup> (m)	Grade (g/t Au)		
East Bain	C90-340	146.55	148.00	1.45	52.19		
	C90-357	156.40	158.70	2.30	17.28		
	C90-359	140.30	143.00	2.70	34.99		
	C91-371	150.40	153.00	2.60	10.94		
	C91-373	154.95	158.30	3.35	21.71		
			incl.	0.90	71.57		
	02BG-02	170.20	172.80	2.60	41.30		
	02BG-03	126.20	132.80	6.60	6.65		
			incl.	2.60	13.02		
	02BG-04	186.6	188.8	2.20	8.34		
	BNS-0003	150.32	157.2	6.88	12.45		
	BNS-0005	111.83	115.72	3.89	10.50		
	BNS-0006	134.82	139.01	4.19	4.35		
	BNS-0007	125.10	128.40	3.30	28.61		
	21EB-300*	182.79	187.56	4.77	35.10		
			incl.	0.53	105.00		
			and	0.40	270.00		
	21EB-301*	143.76	150.13	6.37	12.64		
			incl.	2.95	25.70		
			and	0.78	85.35		
	21EB-303*	218.57	221.00	2.43	11.89		
			incl.	0.64	42.40		
East Bain Extension							
	21EBX-101*	203.16	207.71	4.55	3.27		

## **Cassiar North 2022 Drill Program Highlight Intercepts**



Target Area	Drillhole		From	То	Length*	Grade
Taurus East	22TA-142		129.8	152.0	22.20 m	1.50 g/t Au
		incl.	132.2	133.0	0.75 m	9.61 g/t Au
	22TA-146		12.9	23.4	10.50 m	4.47 g/t Au
		incl.	13.8	17.0	3.25 m	11.12 g/t Au
		with	15.4	15.9	0.50 m	45.30 g/t Au
		incl.	20.4	21.1	0.75 m	12.65 g/t Au
	22TA-167		226.0	239.7	13.70 m	2.24 g/t Au
	22TA-169		4.5	11.1	6.60 m	22.44 g/t Au
		incl.	10.3	11.1	0.80 m	174.50 g/t Au
Taurus Central	22TA-149		8.2	44.9	36.75 m	1.30 g/t Au
		incl.	29.1	34.4	5.29 m	4.09 g/t Au
	22TA-152		157.4	177.6	20.20 m	1.33 g/t Au
		incl.	157.4	157.9	0.45 m	25.90 g/t Au
			279.7	308.8	29.05 m	1.17 g/t Au
Sable	22TA-148		8.7	38.8	30.10 m	1.41 g/t Au
		incl.	8.7	12.4	3.65 m	2.76 g/t Au
		and	21.5	23.9	2.35 m	9.08 g/t Au
		with	23.0	23.4	0.35 m	41.40 g/t Au
			68.9	102.0	33.15 m	0.87 g/t Au
		incl.	68.9	88.3	19.45 m	1.14 g/t Au

Target Area	Drillhole		From	То	Length*	Grade
Taurus West	22TA-158		337.0	409.2	72.25 m	1.09 g/t Au
	22TA-174		12.3	89.5	77.2 m	0.67 g/t Au
			364.2	388.5	24.3 m	1.13 g/t Au
	22TA-176		10.7	108.7	98.00 m	1.28 g/t Au
		incl.	41.7	45.8	4.10 m	12.02 g/t Au
		with	43.8	45.1	1.30 m	25.87 g/t Au
		incl.	65.0	65.6	0.55 m	17.80 g/t Au
	22TA-178		51.4	103.4	52.00 m	0.60 g/t Au
		incl.	93.0	93.7	0.69 m	14.85 g/t Au
			116.0	186.6	70.65 m	0.76 g/t Au
		incl.	153.5	161.1	7.60 m	2.02 g/t Au
	22TA-180		177.5	249.1	71.6 m	1.54 g/t Au
		incl.	222.0	245.5	23.5 m	3.68 g/t Au
		incl.	222.0	223.0	1.0 m	37.40 g/t Au
	22TA-182		194.7	253.5	58.8 m	1.34 g/t Au
		incl.	240.2	253.0	12.8 m	2.41 g/t Au
		incl.	250.6	251.2	0.5 m	13.75 g/t Au
Taurus	22TA-160		69.0	88.9	19.95 m	0.72 g/t Au
Southwest			214.0	234.3	20.35 m	0.51 g/t Au
	22TA-161		8.2	180.1	171.88 m	0.66 g/t Au
	22TA-172		28.0	167.4	139.35 m	0.61 g/t Au
		incl.	48.7	64.1	15.35 m	1.31 g/t Au
		with	61.3	61.9	0.65 m	6.28 g/t Au
		incl.	140.9	141.4	0.55 m	5.17 g/t Au
	22TA-175A		189.0	239.0	50.05 m	0.61 g/t Au
		incl.	224.7	233.2	8.45 m	1.54 g/t Au

\* Drill core lengths are reported here. True widths for these intervals have not been established

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https://cassiargold.com/news/2022/366-assiaroldxpandsineralizationattheaurusastrea20220913100302.html

## The Rich History of Cassiar





Discovery of placer gold at Dease Creek started the **gold rush** in the area. 1877 saw a record-breaking **72** oz **gold nugget** recovered from McDame Creek.



Discovery of first gold-bearing quartz veins followed by ~40 years of only smallscale mining by various operators.

Start of larger-scale mining operations at Main, Vollaug, Cusac, Bain (Cassiar
 South) and Taurus (Cassiar North) mines producing a total of 350Koz gold in total until 1998.

Discovery of Taurus West deposit by International Taurus Resources.

**Consolidation of the entire Cassiar gold property** by Hawthorne Gold and advancement of drilling on the property.

Hawthorne subsequently became Wildsky Resources, who continued exploration of the Cassiar North and South areas until 2018.



Margaux entered into an agreement to acquire 100% interest in the project.

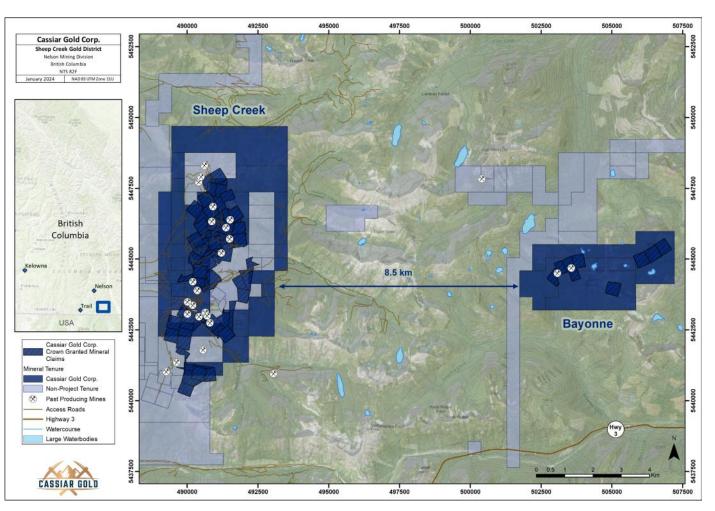
Margaux exercised its option to fully acquire the project and rebranded to Cassiar Gold Corp. Cassiar Gold completed a 5,000 m-drilling program that confirmed the potential to expand the Taurus Deposit.



## **Sheep Creek Camp Overview**



- 3,872-ha camp consisting of the Sheep Creek and Bayonne properties.
- Third largest past-producing orogenic gold district in BC behind Barkerville and Bralorne.
- Total production from 1900 to 1951 from 1.72 Mt of ore: 742,000 ounces of gold @ 14.7 g/t Au, ~365,000 ounces of silver, 377,000 lbs. of lead and 312,000 lbs. of zinc.<sup>1</sup>
- Geological analogue to Barkerville and the Cassiar
   Gold District camp hosts 60-70 gold-bearing quartz veins with the potential to carry high-grade gold; little modern exploration conducted since the 1950s.
- Full compilation and review of exploration opportunities and approaches for exploration now underway.



## **Sheep Creek Exploration Potential**

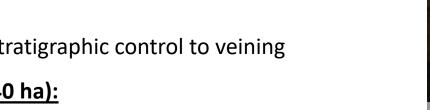
#### Sheep Creek Property (2,732 ha):

- 10 km belt with 60+ known veins
- Individual veins exploited over 950 m strike length, up to 500 m depth
- Strong structural & stratigraphic control to veining

#### **Bayonne Property (1,140 ha):**

- Veins hosted entirely within granodiorite
- 10 known veins
- Historic production from the Bayonne Main vein and A vein splay (950 m strike, 250 m down dip)

In addition to extensions of known veins and additional parallel veins, there is untested potential for unexposed stacked veins where additional, competent folded units lie below the areas of historical mining, especially in anticlinal hinges.











#### Warrant Schedule

Warrant Expiry and Price	# Issued
Jun 2024 @ \$1.05	4,663,425
Jul 2024 @ \$0.90	581,783
Aug 2024 @ \$0.90	1,370,285
May 2025 @ \$0.50	764,700
May 2025 @ \$0.70	6,613,335
Jun 2025 @ \$0.70	135,001
Dec 2025 @ \$0.50	7,425,511
Total	21,554,040
Potential proceeds from the exercise of warrants	C\$15.5M

#### **Options Schedule**

Options Expiry and Price	# Issued
Jun 2024 @ \$0.50	485,000
Aug 2025 @ \$0.75	1,150,000
Mar 2026 @ \$0.60	1,710,668
Nov 2026 @ \$0.79	470,000
Sep 2027 @ \$0.66	1,930,000
Sep 2028 @ \$0.345	1,400,000
Total	7,145,668
Potential proceeds from the exercise of options	C\$4.3M

## CASSIAR GOLD

TSX.V:GLDC | OTCQX:CGLCF | FRA:756

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