



The Alaska Range Project; High-Grade Cu-Au skarn and porphyry project in the USA

Investor Update

20 January 2020

ASX: PXX
www.polarx.com.au



Copper discovered on Mars!

Confirmation of porphyry veins containing chalcopyrite and molybdenite in the first drill hole at Mars, in PolarX's Alaska Range Project, is extremely encouraging.

Given the large size of the co-incident Cu-Au-Mo geochemical anomaly and the geophysical anomalies, this has the potential to be a very large mineralised system and warrants considerable follow-up drilling.

We plan to fund this drilling through the introduction of a new earn-in JV partner, and will expand the high-grade Zackly deposit with our own funds.



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Strong institutional support from major international resource funds

	Shares (M)	Options (M)	Cash (31 Dec '19)
TOTALS	416.2	33.8	~\$1.8M

SHAREHOLDERS:

	%
Lundin Mining Corporation	12.8
Management/Directors/MRG Team	12.2
JP Morgan (UK)	8.3
U.S. Global (US)	8.1
Ruffer Gold Fund (UK)	7.5
Golden Hill Investments	5.0
Adam Hajek	3.4
Lowell Resources Fund (Aus)	1.9

TIGHTLY HELD

Top 20	68%
Top 40	75%

EXECUTIVES:

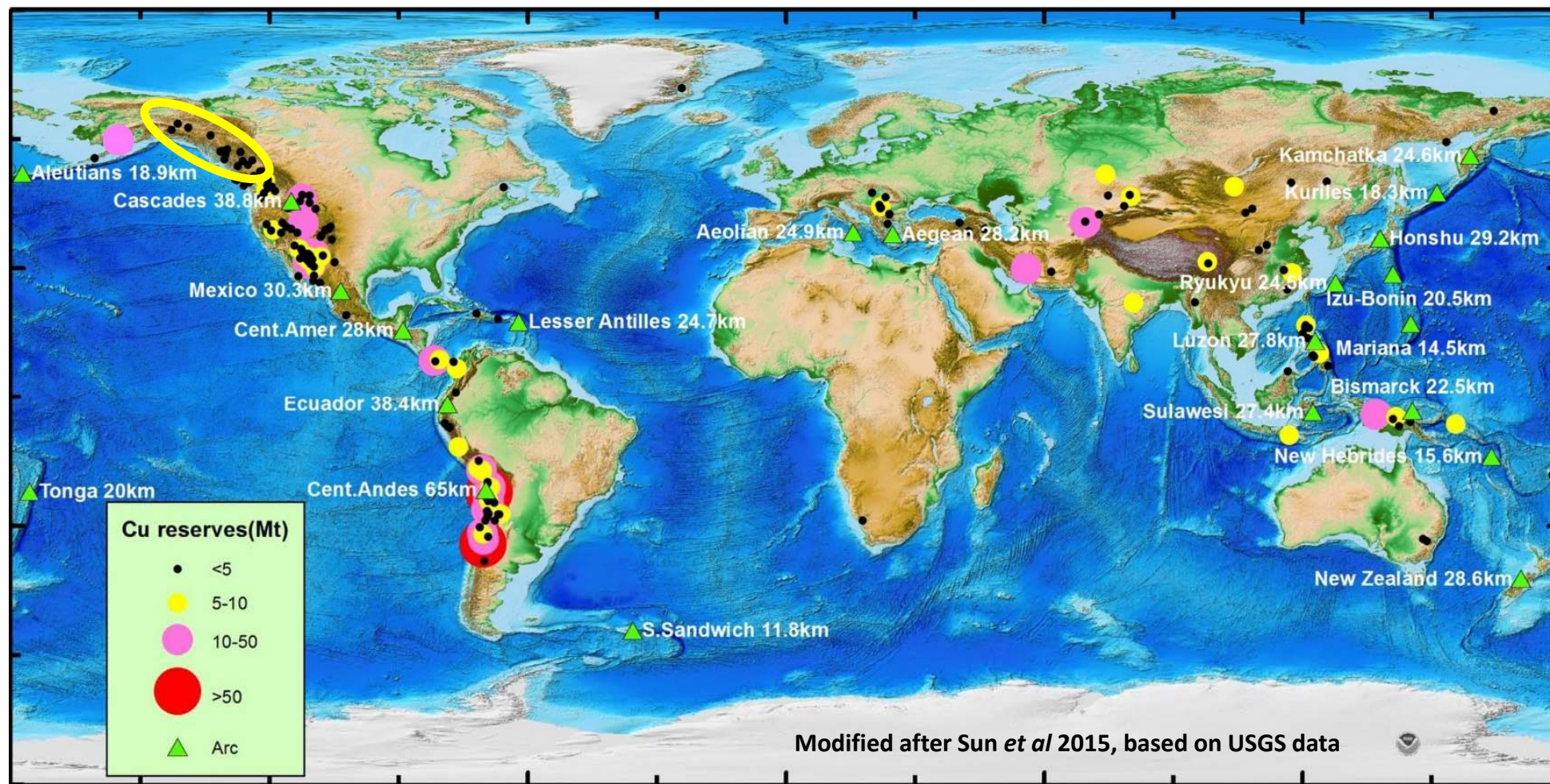
Mark Bojanjac – Executive Chairman
 Frazer Tabeart – Managing Director
 Jason Berton – Executive Director

KEY ADVISORS & CONTRACTORS:

Mitchell River Group: technical, permitting
 Millrock Resources Inc: in-country exploration
 Read Corporate: PR and corporate communications



Alaska: the least explored part of the worlds most prolific copper belt

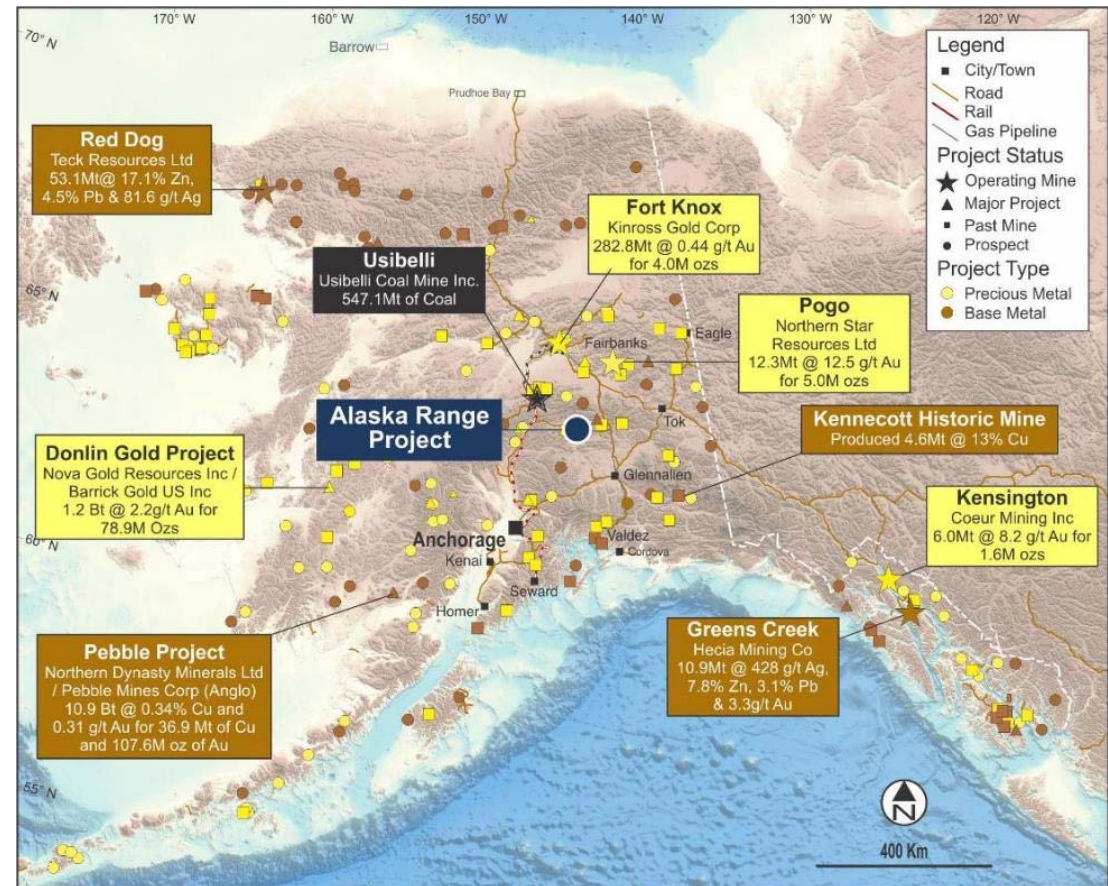


Alaska is low risk: Under-explored **TIER 1** geology in a **TIER 1** jurisdiction

- **Pro-mining state and a Global Top 10** investment destination per 2019 Fraser Institute Rankings
- Over 40Moz Au mined to date
- **Considerably under-explored** vs. other **TIER 1** provinces
- Strong Australian presence in major projects:
 - ❑ Northern Star acquisition of Pogo (Au)
 - ❑ South32 investment in Trilogy (Cu, Co)
 - ❑ Sandfire investment in Whiterock (Zn, Ag)

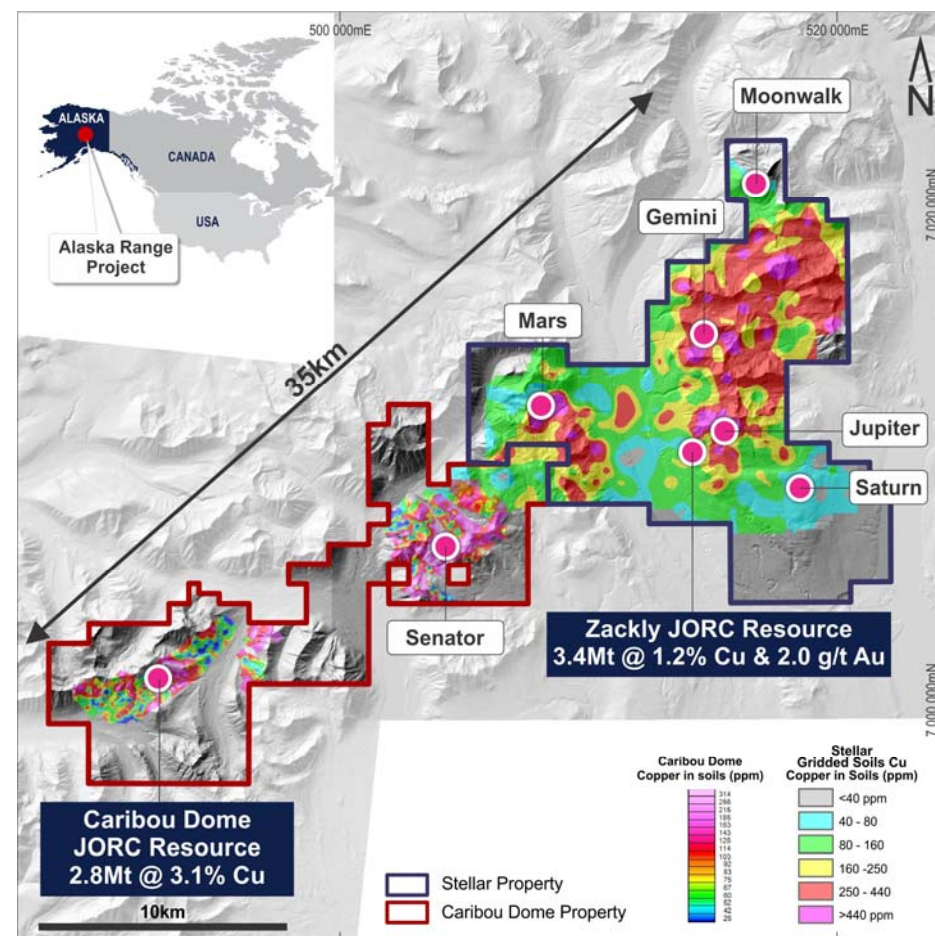
ALASKA RANGE PROJECT is in a great location:

- 250km due north-east of Anchorage, <6 hours by road
- Nearby lodges for accommodation & support
- Easy road/rail access to all year ports



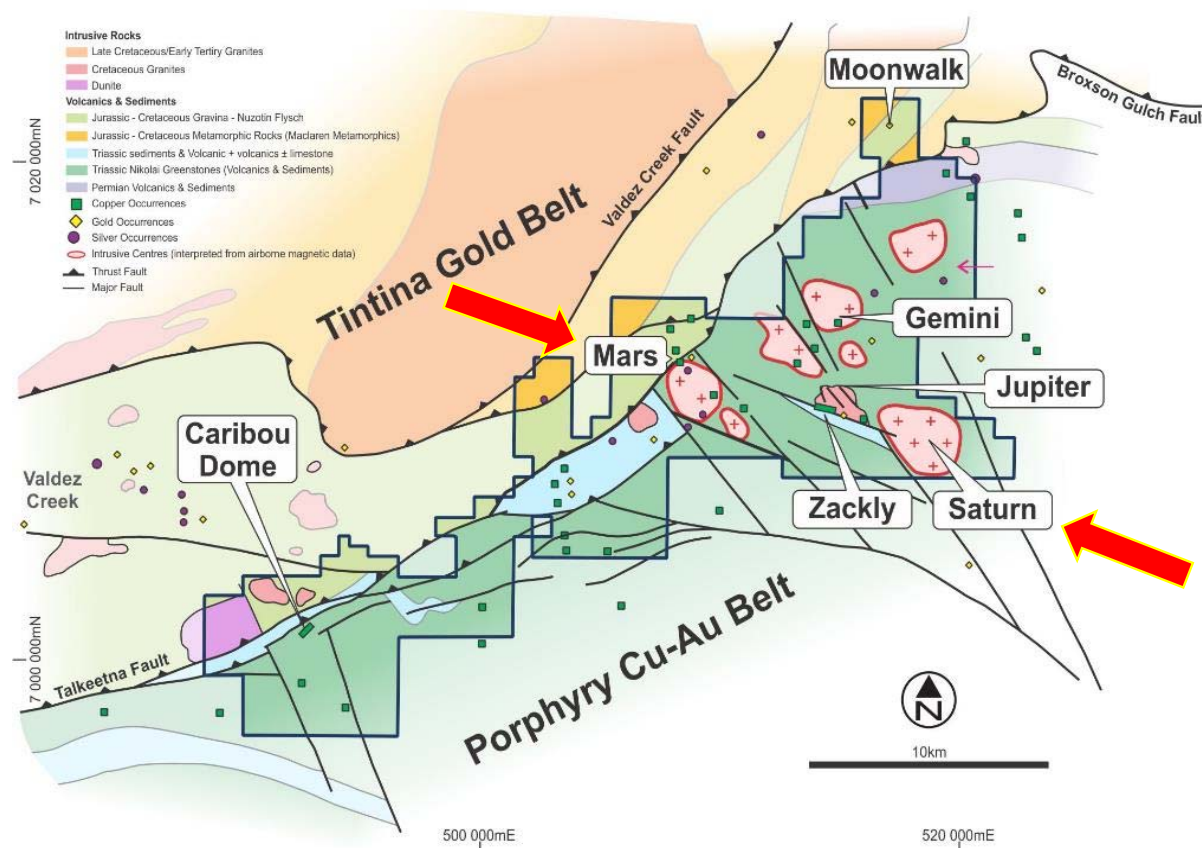
Alaska Range Project has scale, huge upside and multiple opportunities

- Large holding of State Mining Claims covering ~261km²
- Very strong geochemical footprint for copper over huge areas
- High-grade mineralisation at Caribou Dome and Zackly deposits
 - Both deposits open at depth and along strike = low hanging fruit
 - Zackly upside demonstrated from drilling and trenching results
- Zackly skarn mineralisation style also confirms prospectivity for larger porphyry copper-gold deposits in the Stellar property
- Porphyry copper-gold mineralisation discovered at Mars in 2019:
 - Large co-incident geochemical and geophysical anomalies consistent with large mineralised porphyry system
 - 102m @ 0.22% Cu, 0.1g/t Au, hole ended in mineralisation
- Intense alteration in drilling at the blind Saturn porphyry prospect:
 - Indicates probable nearby presence of porphyry intrusion
 - Supported by gravity survey, which has re-defined the target for further drilling



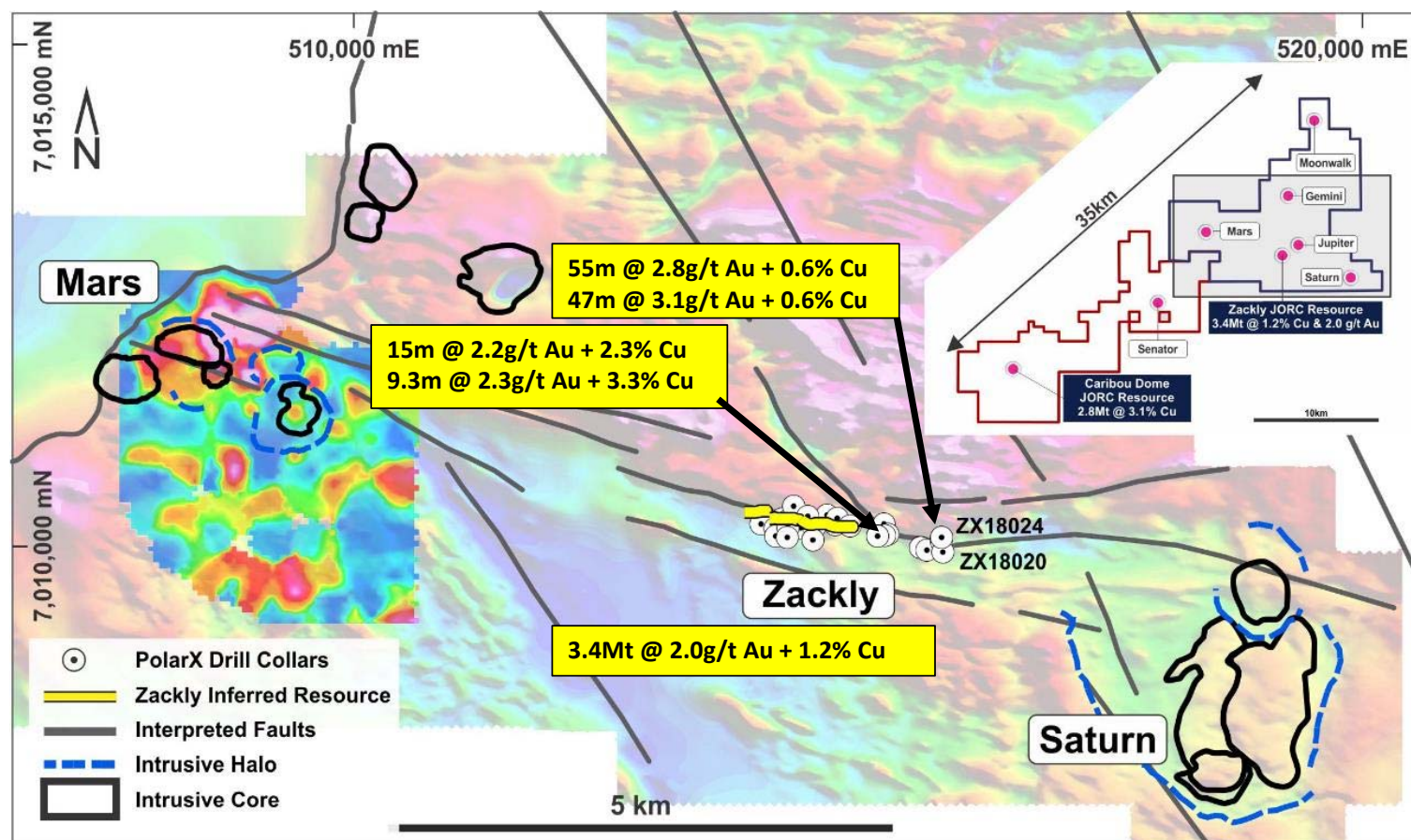
Good geology and a clear strategy

- 12 km-long WNW trending structural corridor hosts known Cu-Au mineralization at Zackly and Mars and contains the Saturn porphyry target
- Three goals:
 1. Expand the high-grade Zackly Cu-Au resource through further drilling
 2. Delineate the Mars porphyry Cu discovery through further drilling
 3. More drilling at the Saturn porphyry target to locate and then characterize mineralisation
- Porphyry drilling at Mars and Saturn to be funded by an incoming third party via an “earn-in” JV – discussions with multiple potential strategic JV partners are underway
- Zackly/Zackly East resource extension drilling to be funded by PolarX, and to be excluded from any earn-in



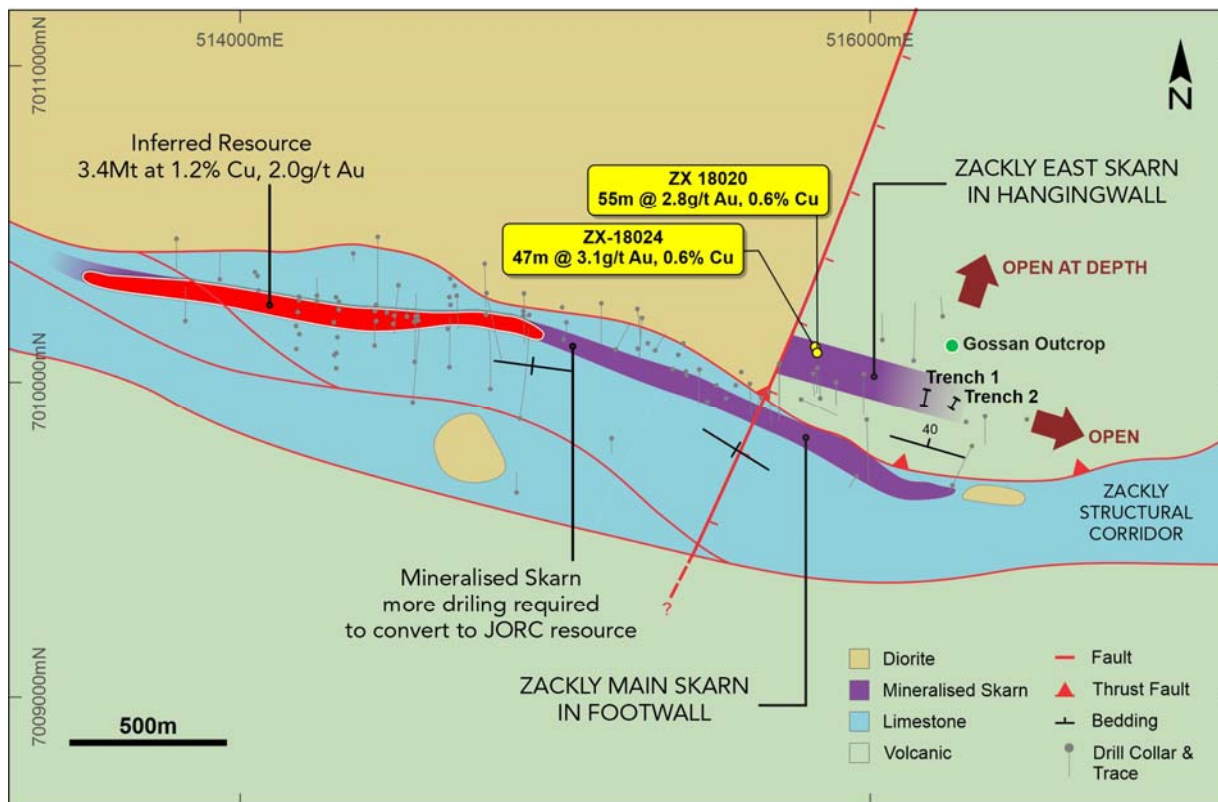
12km mineralised corridor – rapid growth from three prospects

- 100% owned Zackly skarn likely to rapidly increase in size with further drilling at the Zackly East Skarn.
- **First drill hole at 100% owned Mars has confirmed Cu-Au-Mo bearing veins and grades consistent with nearby porphyry!**
- Saturn geophysical target, also 100% owned, has a compelling 3D magnetic signature. **Geology and alteration in scout drilling is entirely consistent with a nearby large porphyry system**

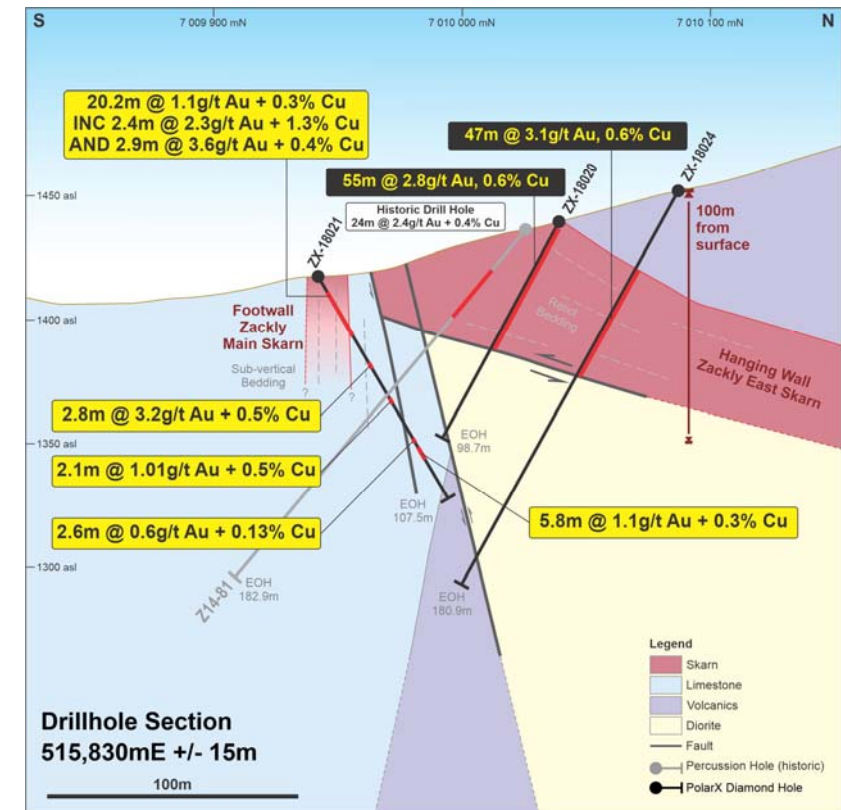


Huge upside at Zackly East: highest grades 850m east of current resource

The high-grade Zackly East Skarn is 40-50m thick in existing drilling and may extend along ~600m strike length

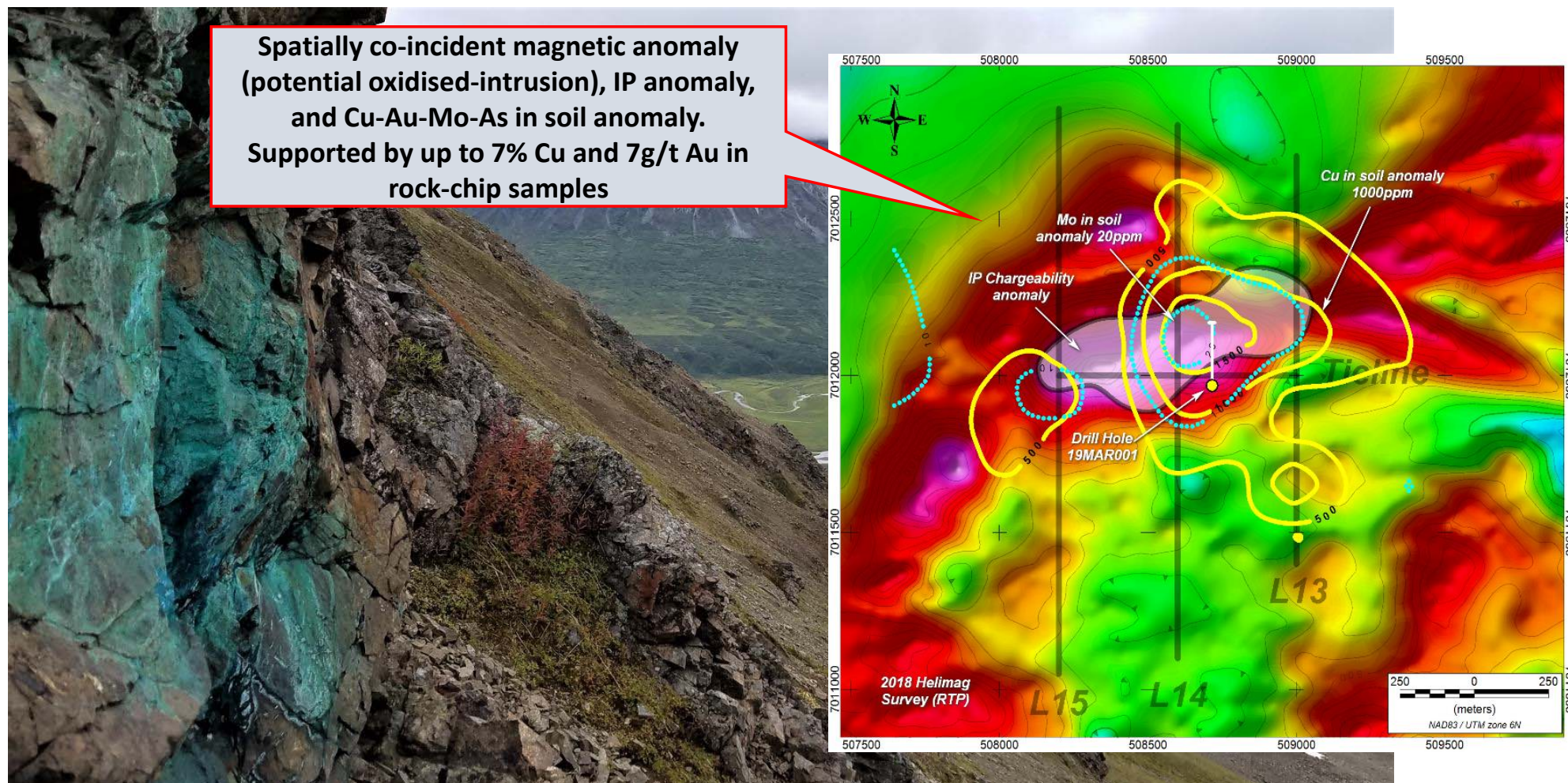


PLAN VIEW



CROSS-SECTION

Mars discovery: co-incident magnetic, IP and Cu-Au-As-Mo anomalism



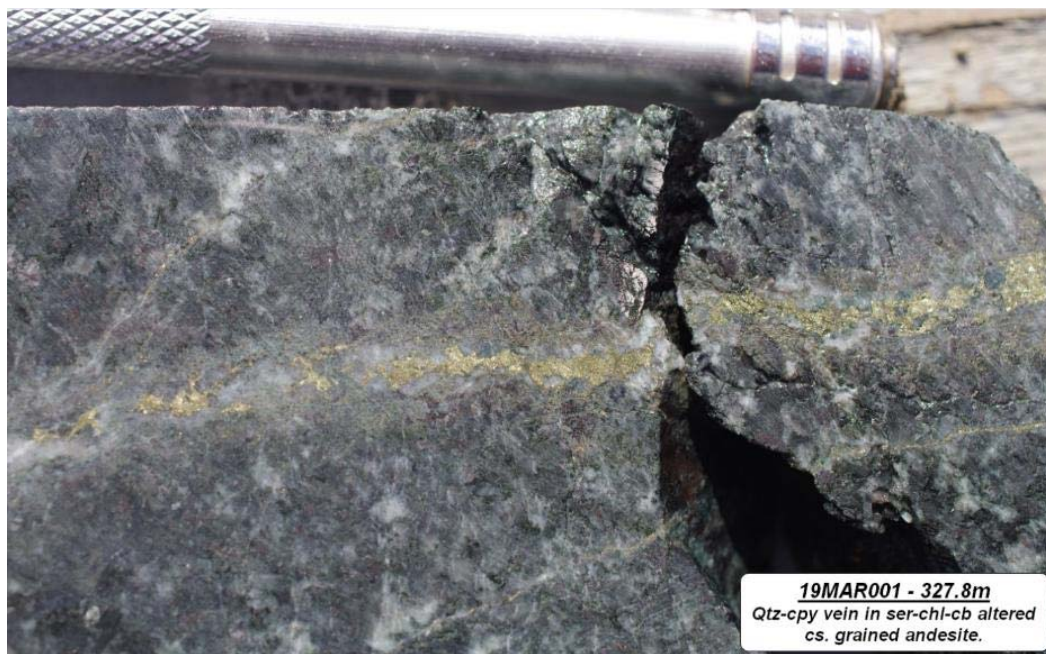
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Multiple Cu and Cu-Mo veining events at Mars = porphyry copper discovery

Noticeable increase in mineralisation intensity below 300m depth, with copper more prevalent than iron



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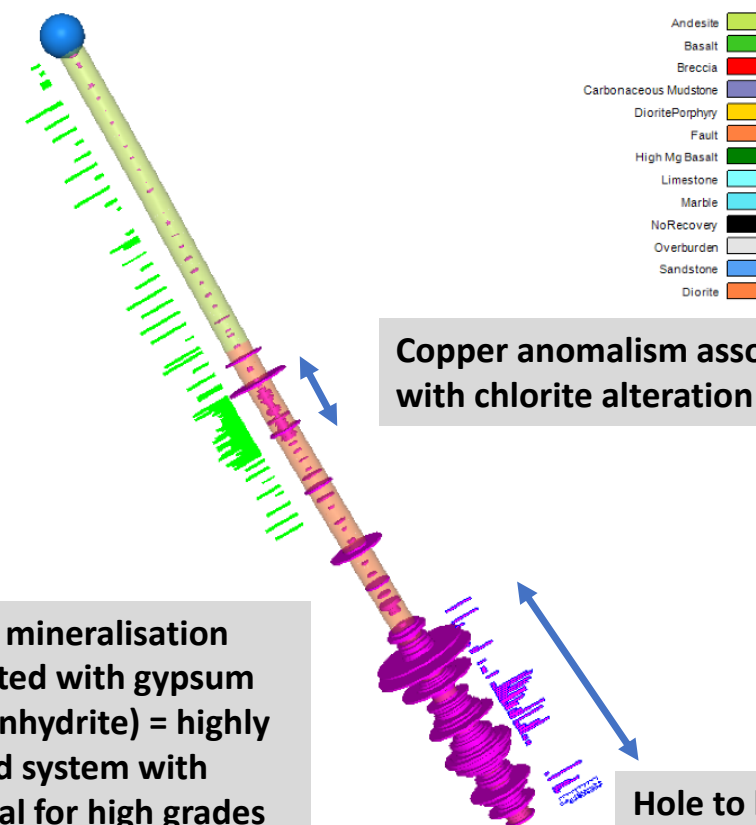
Mars discovery: highly encouraging grades, hole ended in mineralisation

From (m)	To (m)	Interval (m)	Cu %	Au ppm	Mo ppm
308.02	410.09	102.07	0.22%	0.07	20
incl 322.02	329.02	7.00	0.32%	0.10	6
and 347.86	384.09	36.23	0.26%	0.08	43
incl 355.85	384.09	28.24	0.28%	0.09	52
and 365.91	384.09	18.18	0.30%	0.09	24

- The drill hole at Mars intersected variably altered mafic host rocks containing porphyry B-veins and C-veins with visible copper and molybdenum sulphides, and gold
- Mineralisation intensity increased down-hole, associated with potassic alteration (biotite) and gypsum (after anhydrite)
- This alteration and mineralisation may be very close to the mineralised intrusion at the core of the system, where higher grades may occur
- Drill hole to be re-entered and deepened to test this concept

3-D drill hole visualisation of copper, gypsum

19MAR001



Copper anomalism associated with chlorite alteration

Copper mineralisation associated with gypsum (after anhydrite) = highly oxidised system with potential for high grades

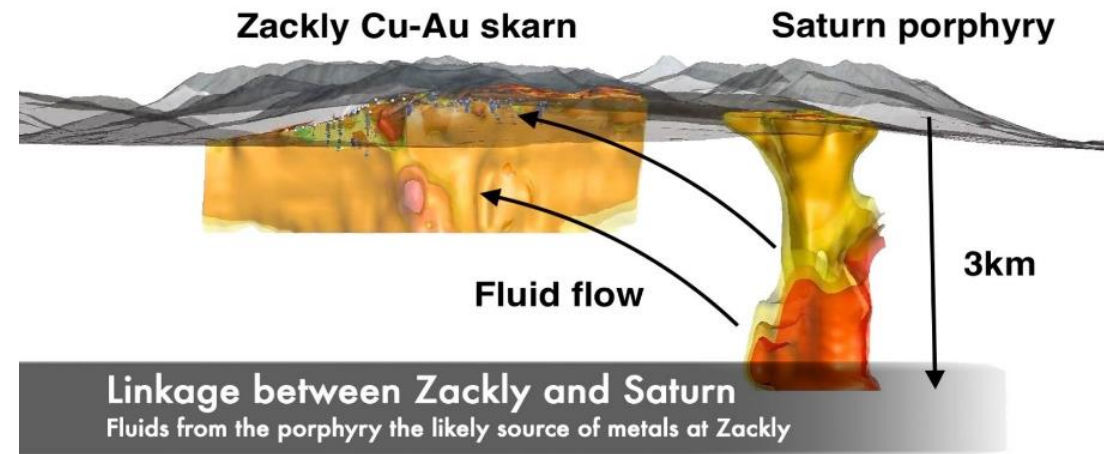
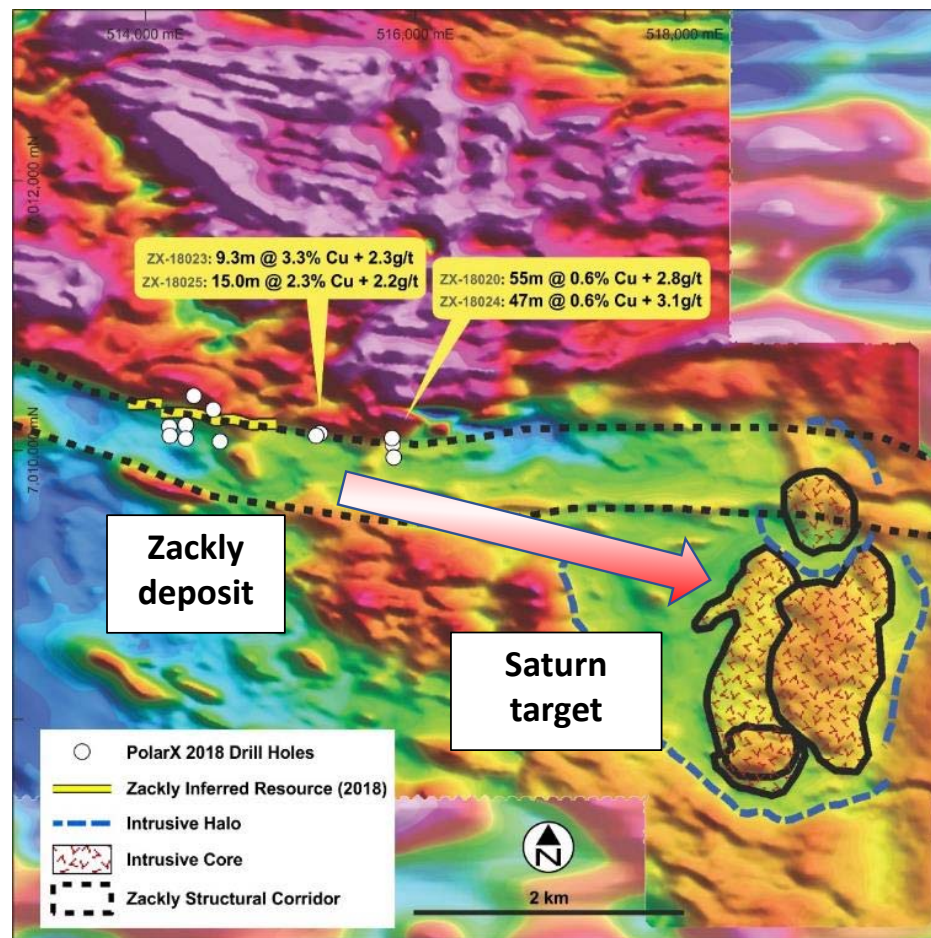
Hole to be deepened in 2020

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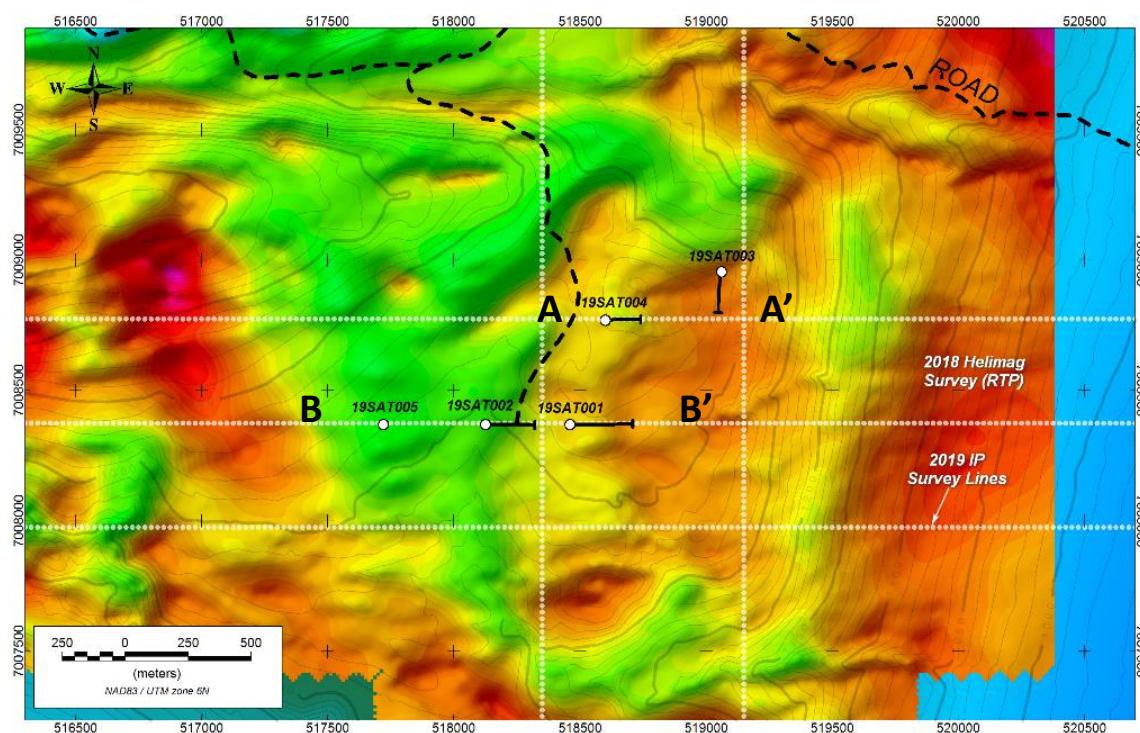
Saturn porphyry Cu-Au target; 3D modelling highlights scale + geometry



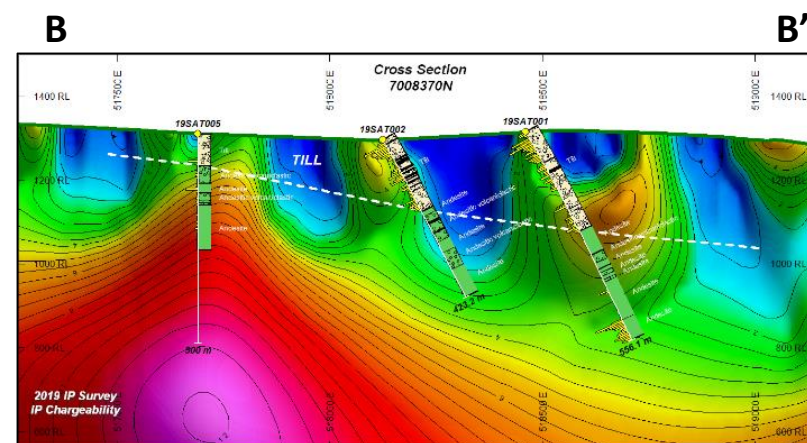
- Interpreted to be a cluster of magnetic, oxidized intrusions surrounded by intense alteration/magnetite destruction
- Nearby skarn mineralization (Zackly) as proof of magmatic-hydrothermal process
- Strong vectors from Zackly mineralization with grades, thickness and intensity of alteration at Zackly increasing from west to east towards Saturn
- 3D modelling of magnetic data highlights scale and geometry

Saturn Drilling Summary – 5 deep holes, intense clay alteration

Drill Plan on Magnetic Data



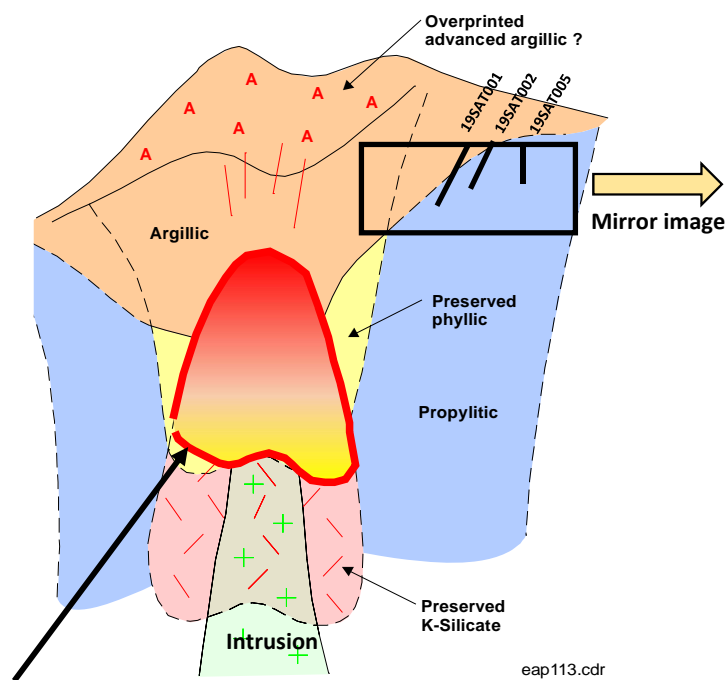
Drill Sections on IP Data



19SAT001 at 332m depth. Argillic alteration overprinting brecciated andesite.

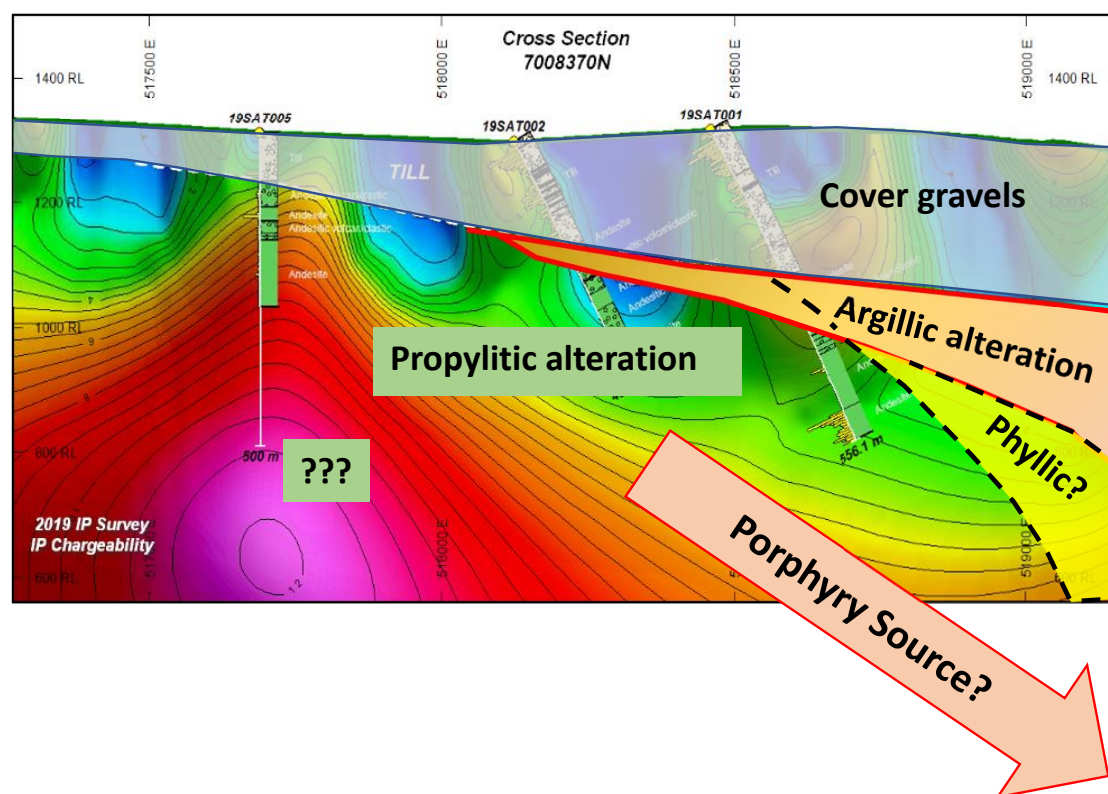
Saturn interpretation indicates nearby porphyry intrusion is likely

Schematic porphyry alteration zonation

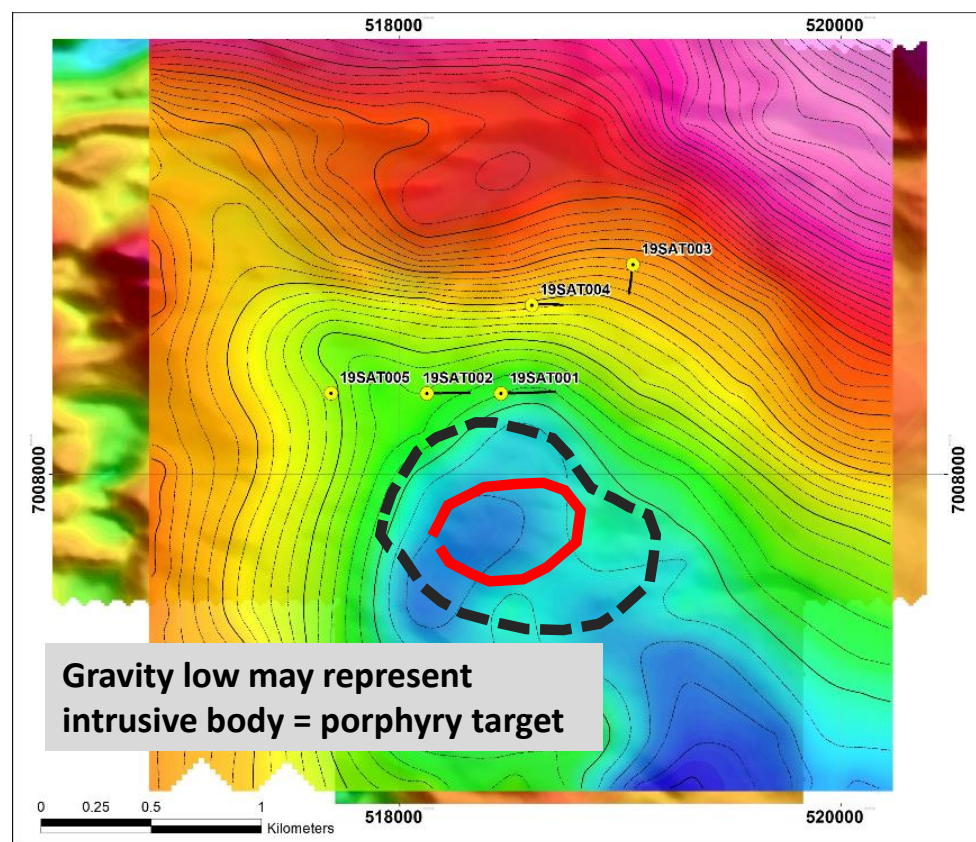


Potential mineralised shell

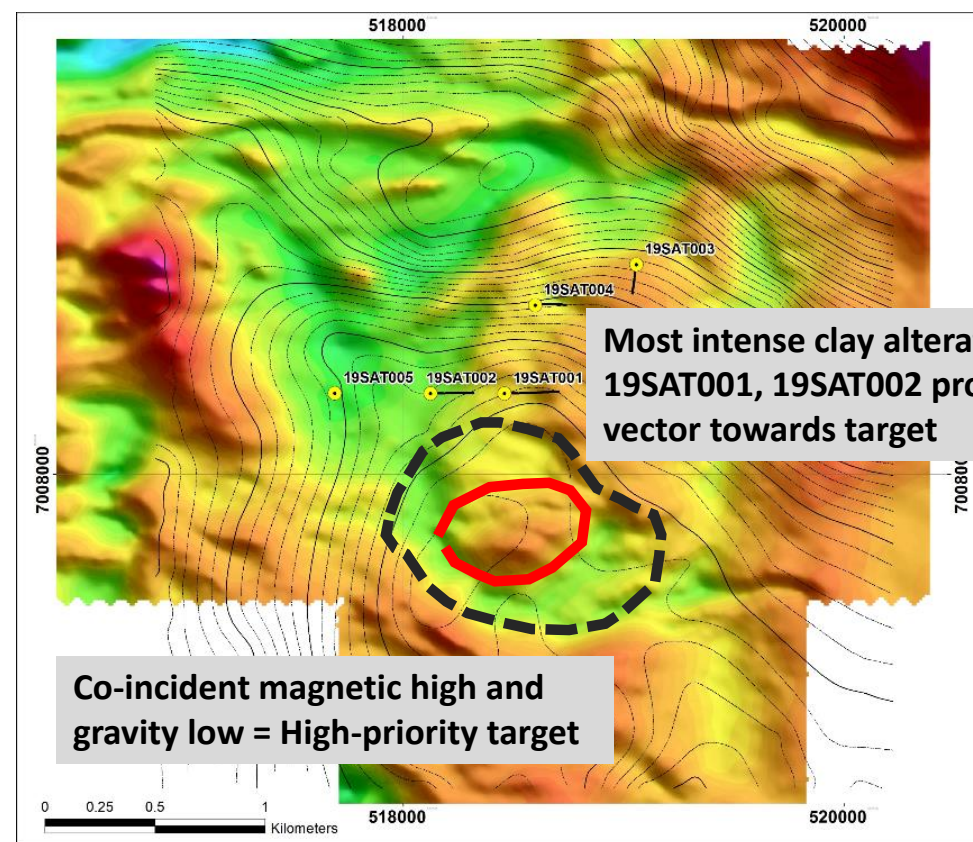
Interpretation of the 7,008,370N cross-section suggests potential porphyry source off-section (south and/or east of section)



Gravity survey confirms porphyry target (density low) to south



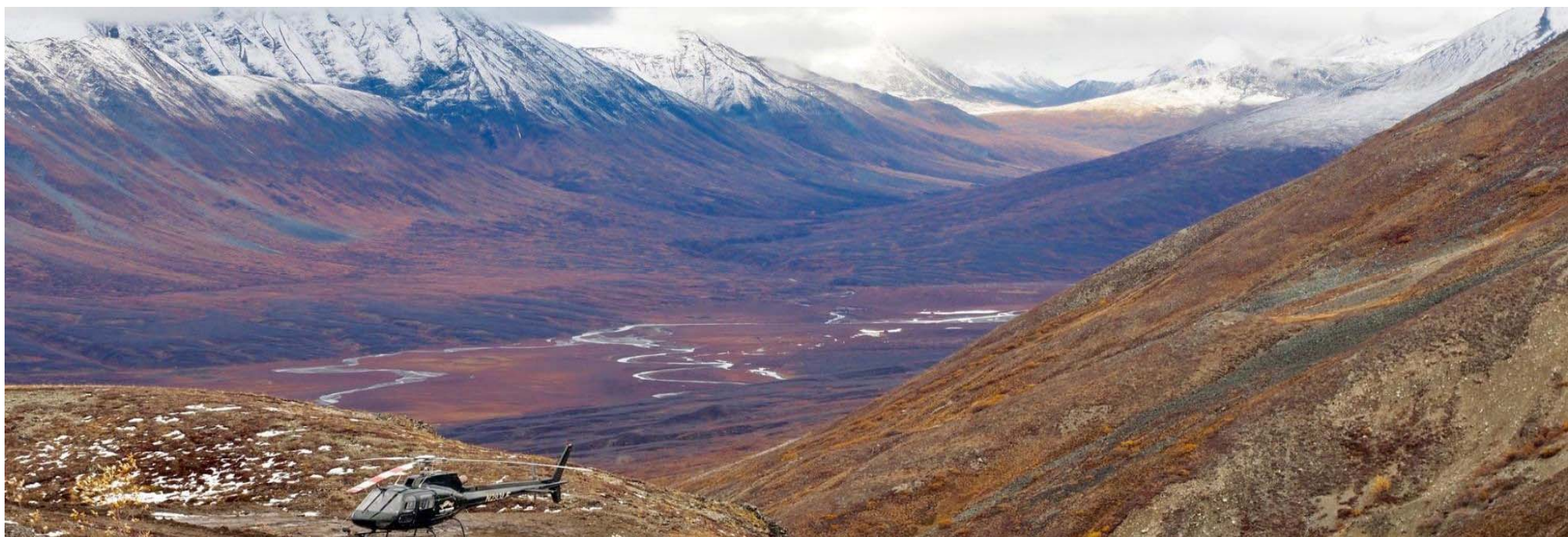
Bouguer Gravity plotted over RTP magnetic image



Gravity contours plotted over RTP magnetic image

Concluding Statements

- ❑ Big holding of high quality, advanced projects in a TIER 1 jurisdiction – early exploration risk has been removed
- ❑ Potential for rapid near-term resource expansion and longer term discovery growth
- ❑ Near-term upside from the 100% owned high-grade Zackly Cu-Au deposit, more drilling planned
- ❑ Drilling and exploration programs at Saturn and Mars have confirmed porphyry potential, more drilling planned



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Appendix 1: Experienced management team with track-record

MARK BOJANJAC

B.Com, ICAA

EXECUTIVE CHAIRMAN

A Chartered Accountant with over 25 years' direct experience in developing resource companies. A founding director of Gilt-Edged Mining Limited which discovered East Kundana, one of Australia's highest grade gold mines and managing director of a public company which successfully developed and financed a 2.4m oz gold mine in Mongolia (Boroo). Co-founded a 3m oz gold project in PR China later sold for \$180M. Previous CEO of Adamus Resources Limited and oversaw its advancement from an early stage exploration project through definitive feasibility studies and managed the debt and equity financing to build its successful Ghanaian gold mine on time/budget. Current Director of Kula Gold Limited.

FRAZER TABEART

Ph.D, B.Sc (Hons), ARSM, MAIG

MANAGING DIRECTOR

Geologist with 30-years international experience in exploration and project development, with strong technical background in porphyry copper-gold systems in SE Asia, SW Pacific, the American Cordillera and central and northern Asia. After spending 16 years with WMC Resources and managing exploration portfolios in the Philippines, Mongolia and Africa, he left to join the Mitchell River Group. Has served on ASX-listed Company Boards at Executive level over last 11 years. Director and Principal at Mitchell River Group, and current Executive Director at African Energy Resources Limited and Non-Exec Director at Arrow Minerals Limited.

JASON BERTON

Ph.D, B.Sc (Hons), MAusIMM

EXECUTIVE DIRECTOR

Geologist with over 17 years' mining and exploration experience including working for Homestake, Barrick and BHP Billiton and SRK Consulting. Jason has also previously spent two years in private equity investment and four years as Managing Director of ASX- listed Estrella Resources. Jason holds two Degrees, a Bachelor of Economics and a Bachelor of Science (Hons) plus a PhD in Structural Geology, all from Macquarie University.

IAN CUNNINGHAM

B.Com, LLB, ICAA, FGIA

CFO and COMPANY SECRETARY

A Chartered Accountant and Chartered Secretary with a Bachelor of Commerce degree and Bachelor of Laws degree from the University of Western Australia. He also holds a Graduate Diploma in Applied Corporate Governance from the Governance Institute of Australia and a Graduate Diploma of Applied Finance and Investment from the Securities Institute of Australia. Mr. Cunningham has some 15 years' experience in the resources industry in executive and senior management roles, including with Adamus Resources Ltd, during which time Adamus developed the Nzema Gold Mine (Ghana) before merging with Endeavour Mining Corporation.

ROBERT BOAZ

B.A. (Hons), M.A. Economics

NON-EXECUTIVE DIRECTOR

Mr Boaz graduated with honours from McMaster University of Hamilton, Ontario with a Bachelor of Arts in Economics and has a Masters Degree in Economics from York University in Toronto. He is a highly respected financial and economic strategist in Canadian bond and equity markets with experience related to equity research, portfolio management, institutional sales and investment banking. Mr Boaz has over 20 years' experience in the finance industry, most recently as Managing Director, Investment Banking with Raymond James Ltd and Vice-President, Head of Research and in-house portfolio strategist for Dundee Securities Corporation. He is currently President & CEO of Aura Silver Resources Inc.

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This presentation includes certain "Forward- Looking Statements". The words "forecast", "estimate", "like", "anticipate", "project", "opinion", "should", "could", "may", "target" and other similar expressions are intended to identify forward looking statements. All statements, other than statements of historical fact, included herein, including without limitation, statements regarding forecast cash flows and potential mineralisation, resources and reserves, exploration results, future expansion plans and development objectives of PolarX involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements.

The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code') sets out minimum standards, recommendations and guidelines for Public Reporting in Australasia of Exploration Results, Mineral Resources and Ore Reserves. The information contained in this announcement has been presented in accordance with the JORC Code and references to "Measured Resources", "Inferred Resources" and "Indicated Resources" are to those terms as defined in the JORC Code.

Information in this report relating to Exploration results is based on information compiled by Dr Frazer Tabeart who is a member of The Australian Institute of Geoscientists. Dr Tabeart has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Tabeart consents to the inclusion of the data in the form and context in which it appears.

The information in this announcement that relates to Mineral Resources for the Zackly Project is based on information compiled by Mr Lauritz Barnes (a consultant to and shareholder of PolarX Limited) and Dr Frazer Tabeart (an employee and shareholder of PolarX Limited). Both Mr Barnes and Dr Tabeart are members of The Australian Institute of Geoscientists. Mr Barnes and Dr Tabeart have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity undertaken to qualify as Competent Persons as defined in the JORC Code. Mr Barnes and Dr Tabeart consent to the inclusion in the announcement of the matters based on the information in the form and context in which it appears.

There is information in this presentation relating to:

- the Mineral Resource estimate for the Zackly deposit, which was previously announced on 20 March 2018;
- the Mineral Resource estimate for the Caribou Dome deposit, which was previously announced on 6 April 2017; and
- Exploration Results which were previously announced on 5 November 2018, 12 November 2018, 29 January 2019, 25 March 2019, 5 August 2019, 1 October 2019, 21 October 2019, 19 November 2019 and 20 January 2020.

Other than as disclosed in those announcements, the Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements, and that all material assumptions and technical parameters have not materially changed. The Company also confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

