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September 2016



Discovering World Class Gold Deposits



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Michael Henrichsen (Chief Operating Officer), P. Geo is the QP who assumes responsibility for the technical contents of this Presentation.

Our team has raised over \$450 million and monetized successes in two previous companies

 ASANKO GOLD	<p>Took an exploration discovery company to production, 2005 – 2016 (Ramping up to 400,000 ounces / year in 2016)</p> <p><i>Producing</i></p>
 Clayden RESOURCES	<p>Sold an exploration discovery company pre-resource, 2010 – 2014 (Sold for \$205 million to Agnico Eagle in 2014)</p> <p><i>Sold</i></p>
 AURYNN RESOURCES	<p>Built a major exploration discovery portfolio and team, 2013 – currently undergoing major exploration and drilling programs (Estimating 40,000 - 60,000 in 2017)</p> <p><i><u>Exploring</u></i></p>

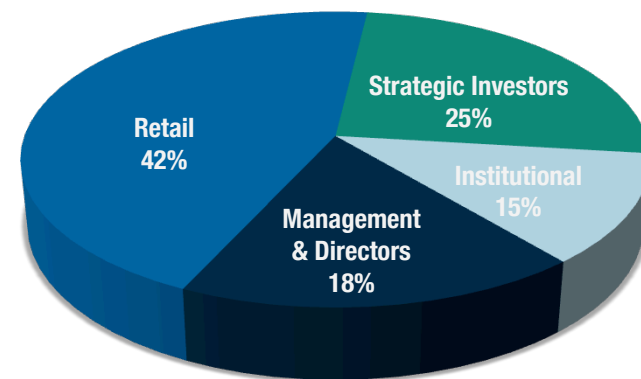
Evolution of Auryn – 24 Months

- Assembled a significant exploration technical team
- Acquired two Canadian Gold Exploration companies
- Acquired a Peruvian Gold Portfolio – *3 projects*
- Completed 17,000 meters of exploration drilling at Committee Bay



Capital Structure, Ownership, Performance

Capitalization	As of September 9, 2016
Shares Outstanding	66,376,507
Warrants @ \$1.70 (exp. Sept. 16, 2017)	1,985,000
Warrants @ \$1.40 (exp. May 4, 2018)	32,776
Options outstanding (avg. price \$1.75)	4,834,250
Fully Diluted Shares Outstanding	73,228,533
Treasury	\$10 million



Management

Ivan Bebek – Co-founder
Executive Chairman, Director

Michael Henrichsen, MSc
Chief Geologist

Shawn Wallace – Co-founder
President, CEO & Director

Peter Rees, CA
CFO and Corporate Secretary

Daryl Rebeck
SVP, Corporate Finance

Russell Starr
SVP, Communications

Directors

Ivan Bebek

Steve Cook, LLB

Shawn Wallace

Gordon J. Fretwell, LLB

Dan McCoy, PhD

Keith Minty, P.Eng

Antonio Arribas, PhD, MSc

World Class Technical Team – “Multiple Disciplines”

Michael Henrichsen: Chief Operating Officer/ Chief Geologist
Former Global Structural Geologist Newmont

David Smithson: VP Exploration
Former Global Mapper/ Geologist Newmont; Technical Lead at Cayden Resources

Antonio Arribas, PhD, MSc: Director
Former Chief Geologist Newmont, Former VP Geological Sciences BHP Billiton

Dan McCoy, PhD: Director
Former Chief Geologist at Cayden Resources and Keegan Resources

Rael Lipson, PhD: Technical Advisor
Former Chief Exploration Geologist Gold Fields: +40 years global discovery experience **Newest senior member**

Miles McAlister: Technical Advisor
Former Exploration & Business Development Manager for Newmont (Africa – Europe)

Kim Cook: Geophysicist
Former Global Geophysicist Newmont & Anglo: regarded as world’s leading magnetics interpreter

Mike McMillan: Research Inversions Geophysicist (CGI – UBC)
Former Global Geophysicist Newmont: regarded as world’s leading EM and IP inversions

Nigel Radford: Geochemist
Former Chief Geochemist Newmont: +40 years of global experience

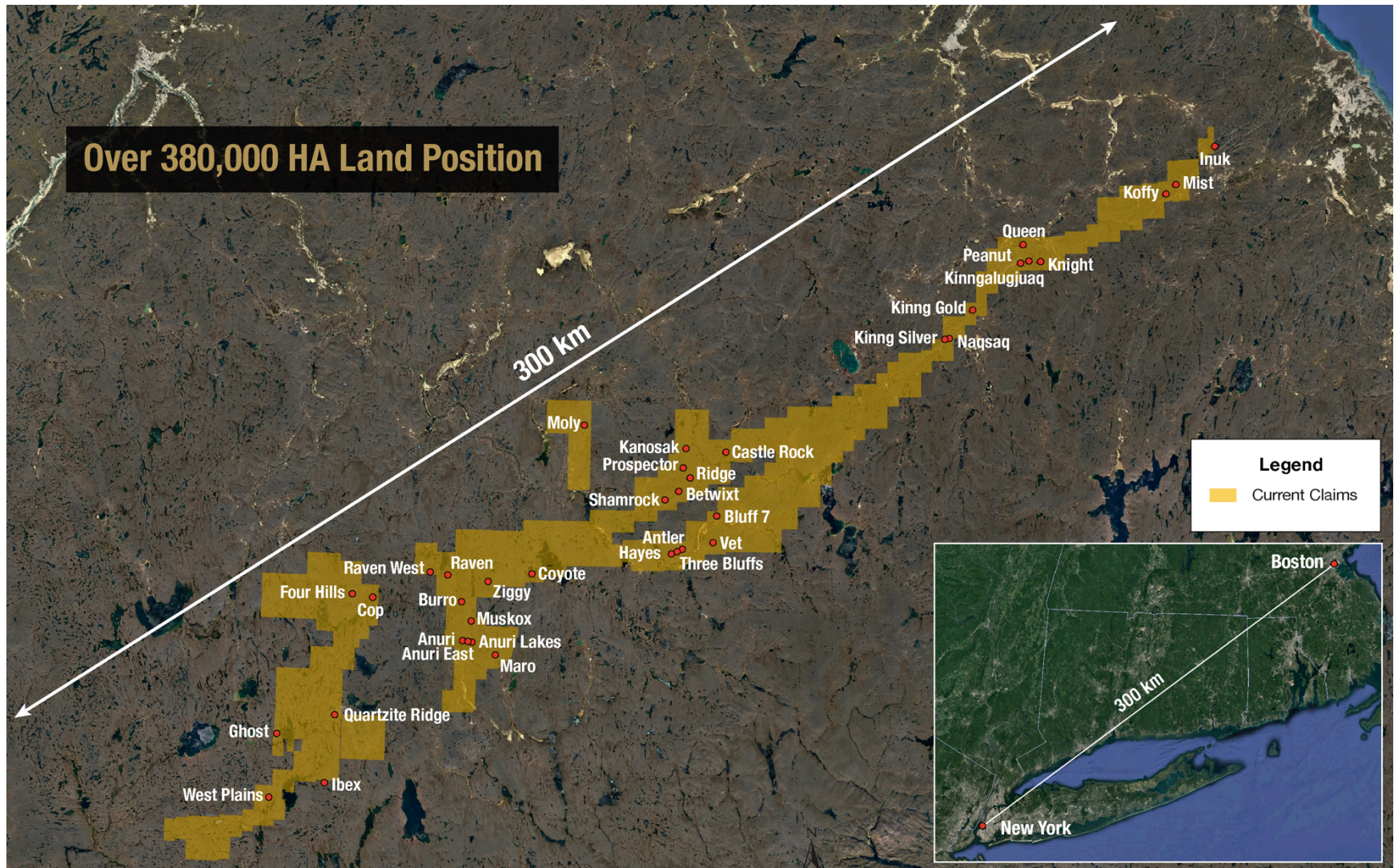
Ralph Stea: Quaternary Geologist
Former Surficial Geologist and Geochemist with Nova Scotia Department of Natural Resources

Our Vision – Growth Through Discovery

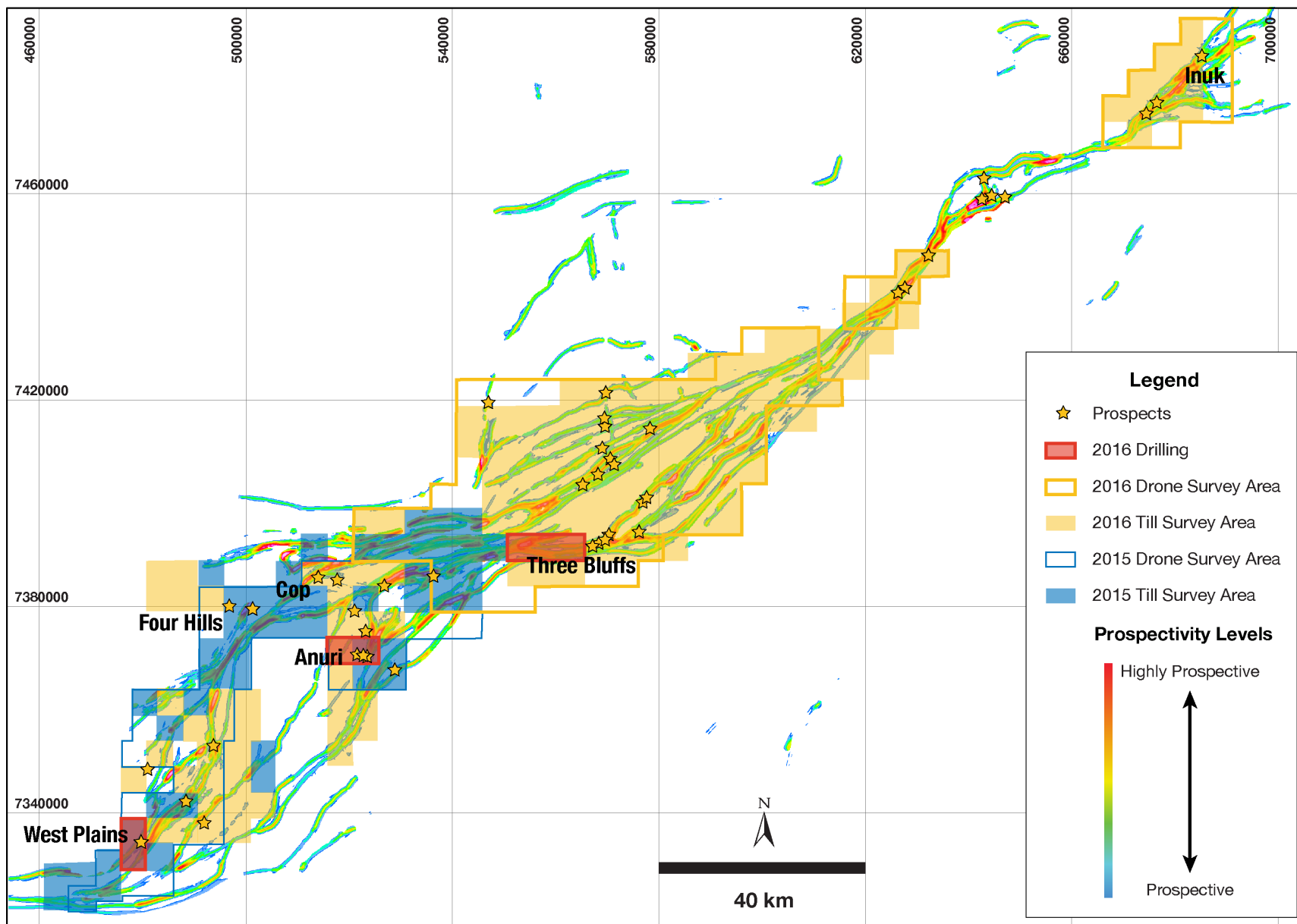
- **Committee Bay, Canada – High Grade**
 - Exploring a 300 km high-grade gold belt in Northern Canada
 - Currently hosted a 1.2M oz gold deposits at 8 g/t Au
- **Homestake Ridge, Canada – High Grade**
 - Currently hosts a significant high-grade gold deposit with room for significant expansion
 - Excellent metallurgy and infrastructure
- **Peru – Oxide**
 - Huilacollo, Sombrero and Curibaya
 - Scalable oxide gold deposits + porphyry targets
 - Endowment and Potential



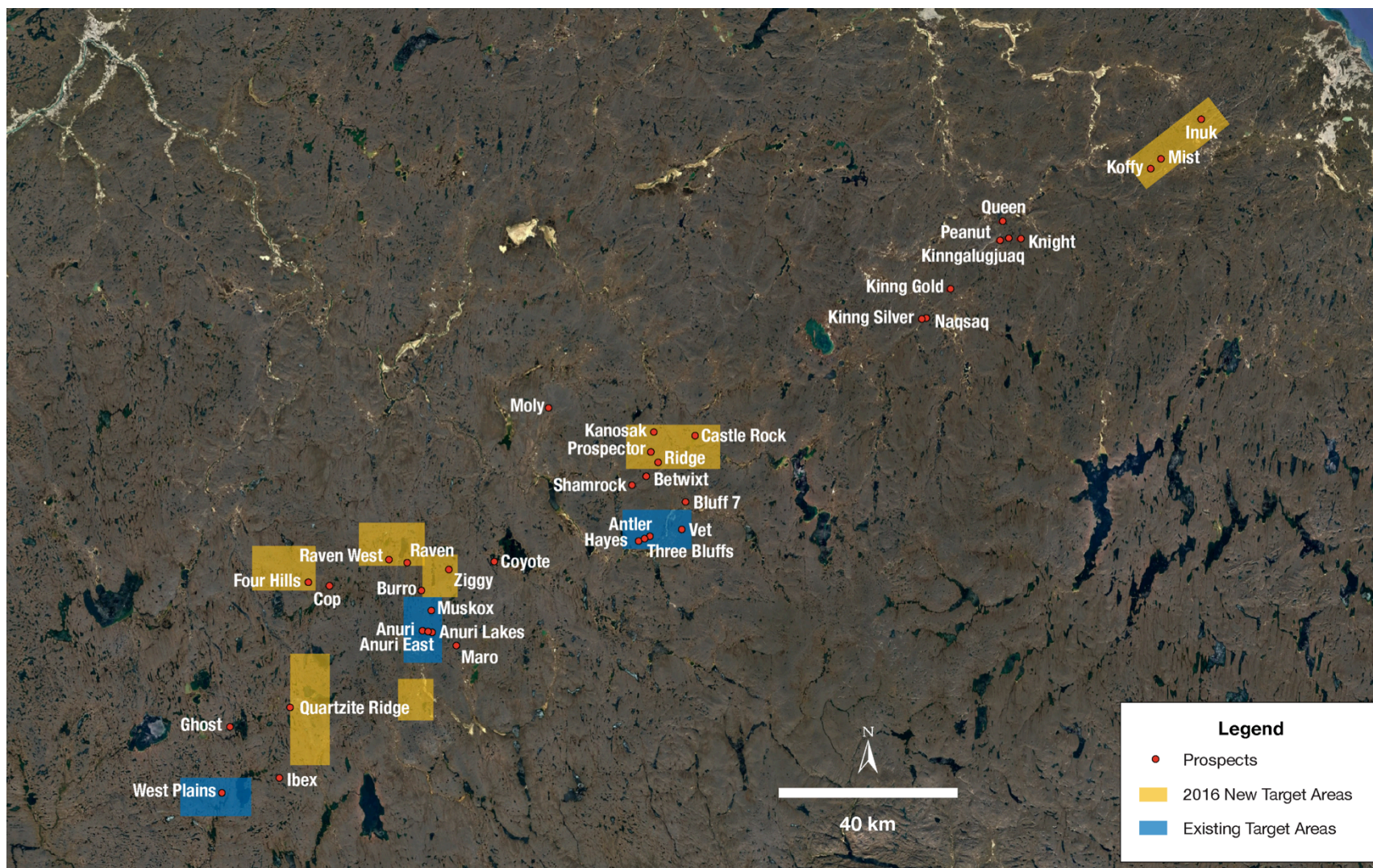
Committee Bay = 300km Greenstone Belt



Committee Bay – 2016 Work Completed

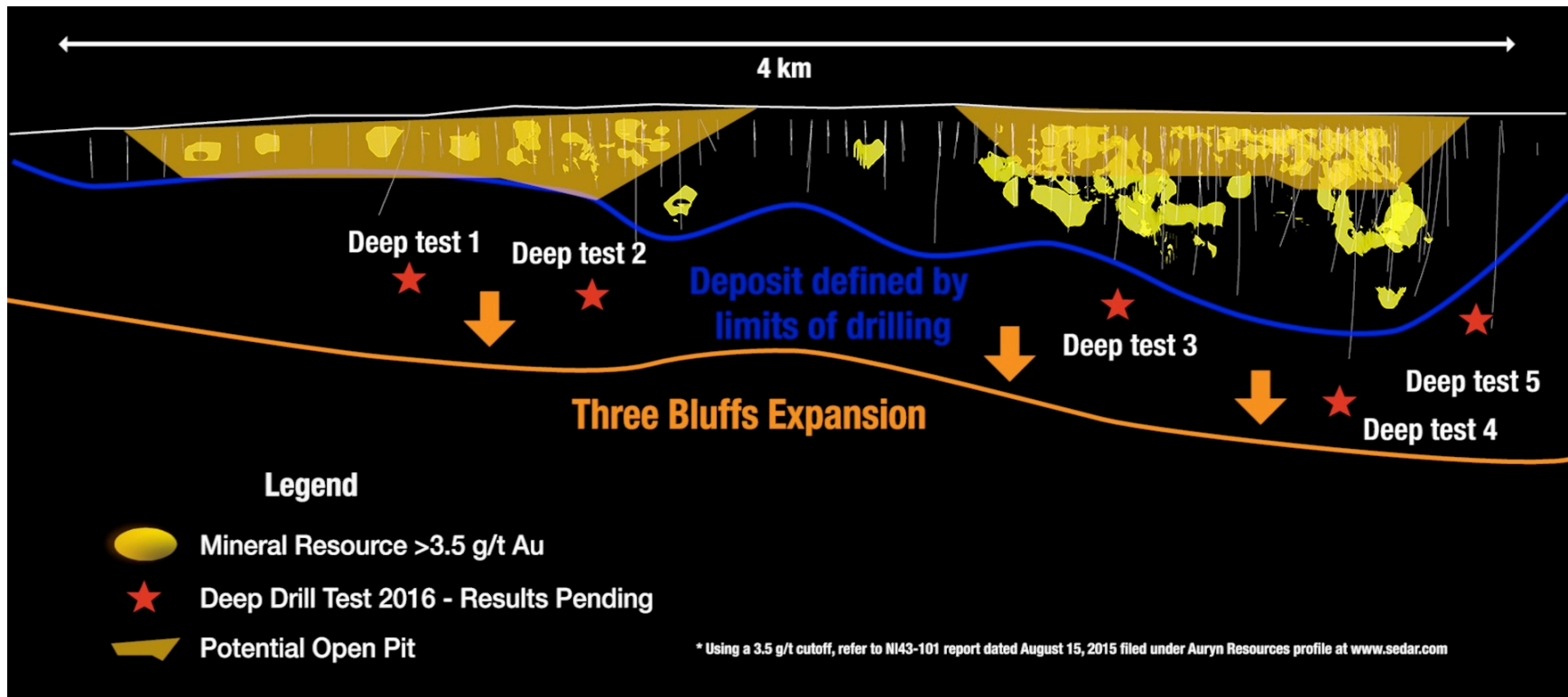


6 New Multi-Kilometer Target Areas Defined



Three Bluffs Deposit – Open for Significant Expansion

- 2016 drilling 5 deep step out holes – results pending
- Open at depth and along strike
- Several untested targets within Three Bluffs



Over \$25m of Infrastructure at Committee Bay – Turn Key Exploration



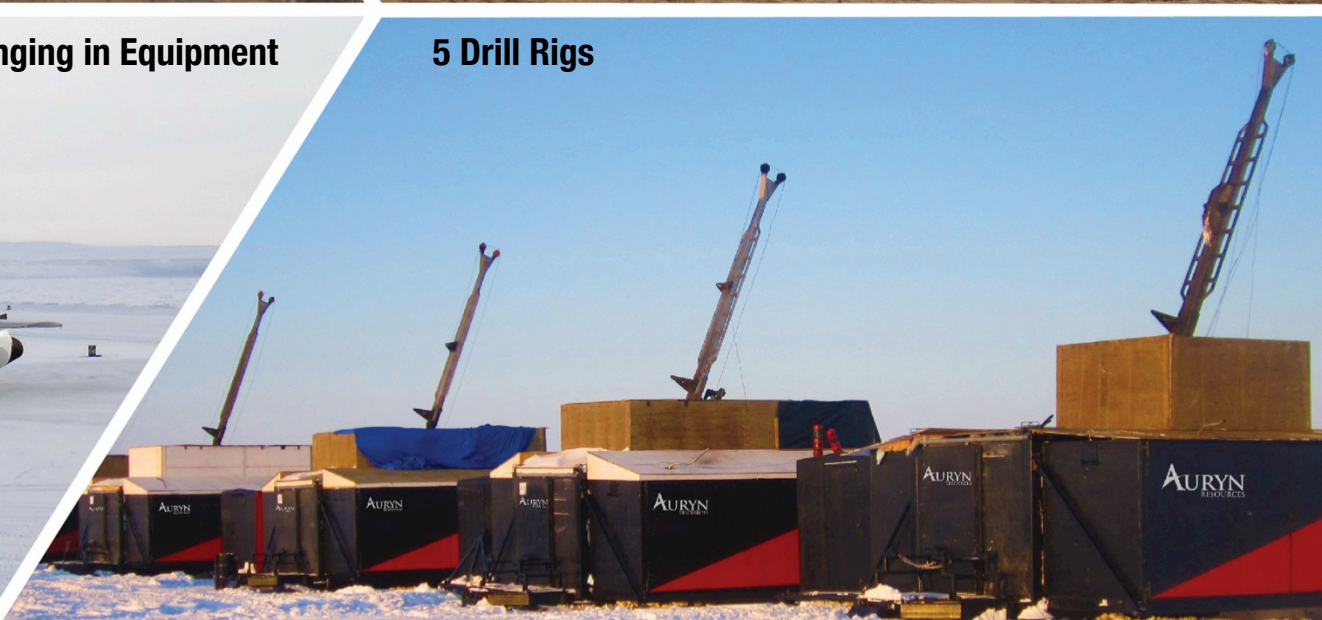
Established Camp and Air Strip



Heavy Equipment at Site

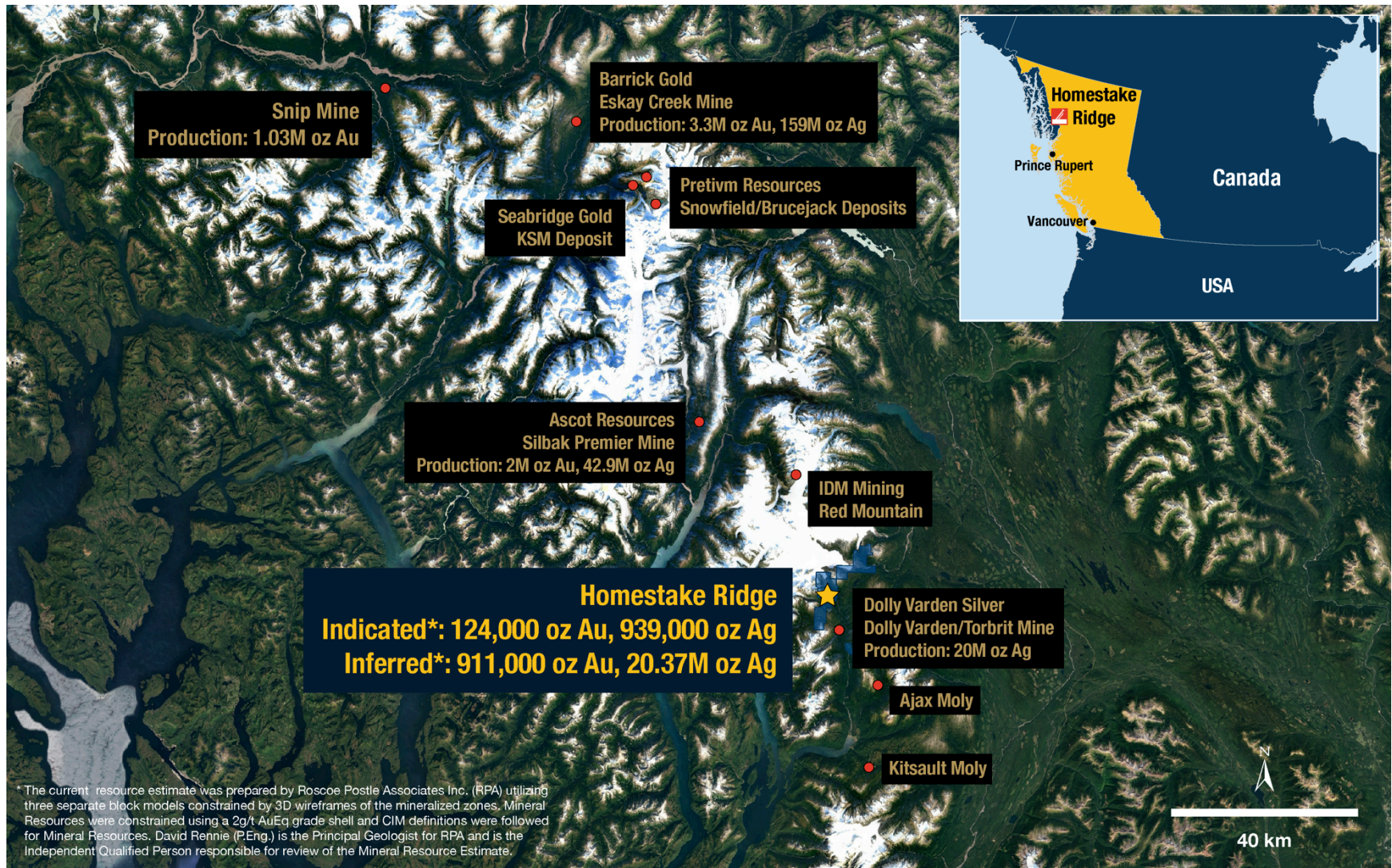


C130 Hercules Bringing in Equipment

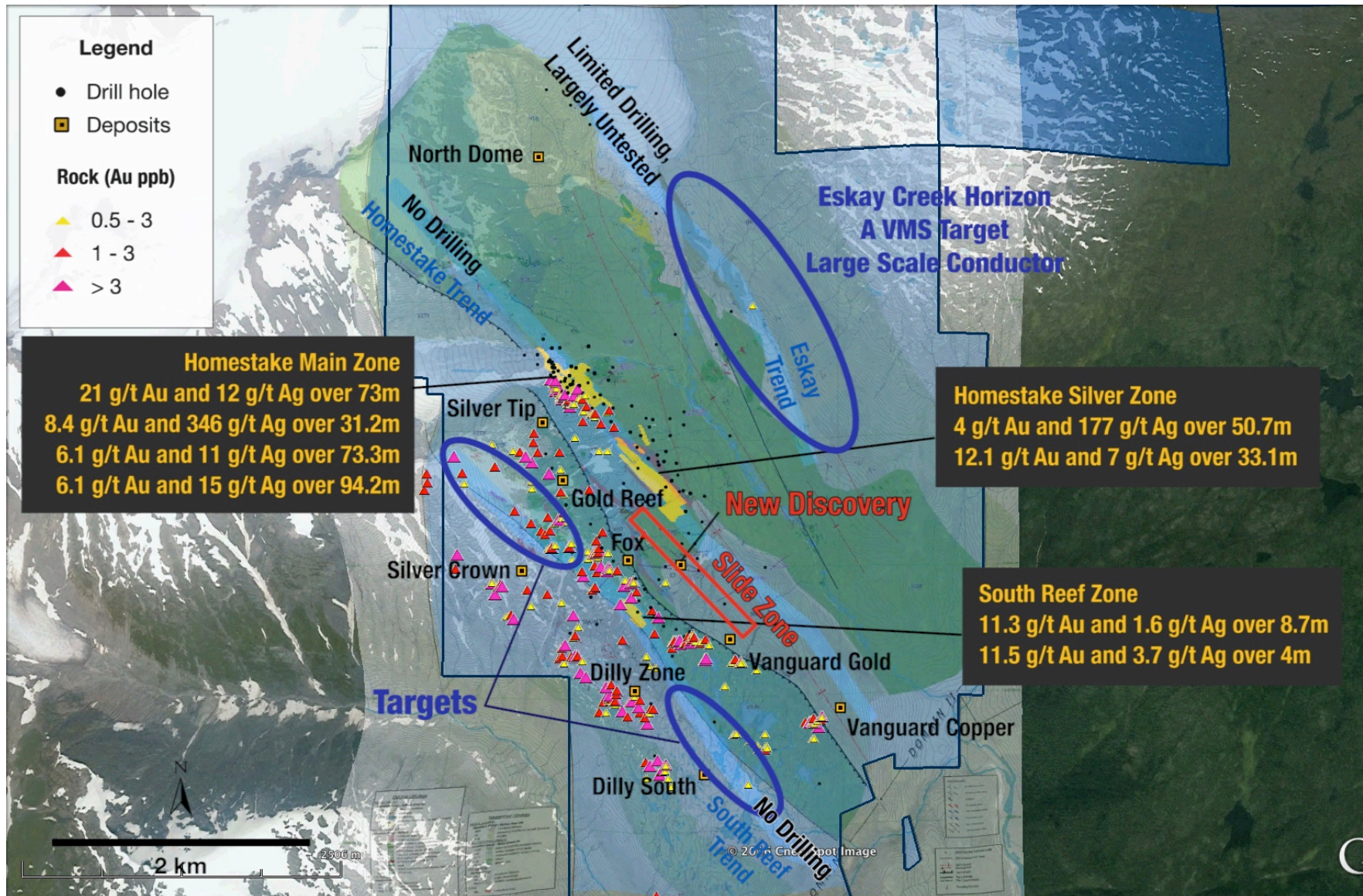


5 Drill Rigs

Homestake Deposit in the Golden Triangle, British Columbia



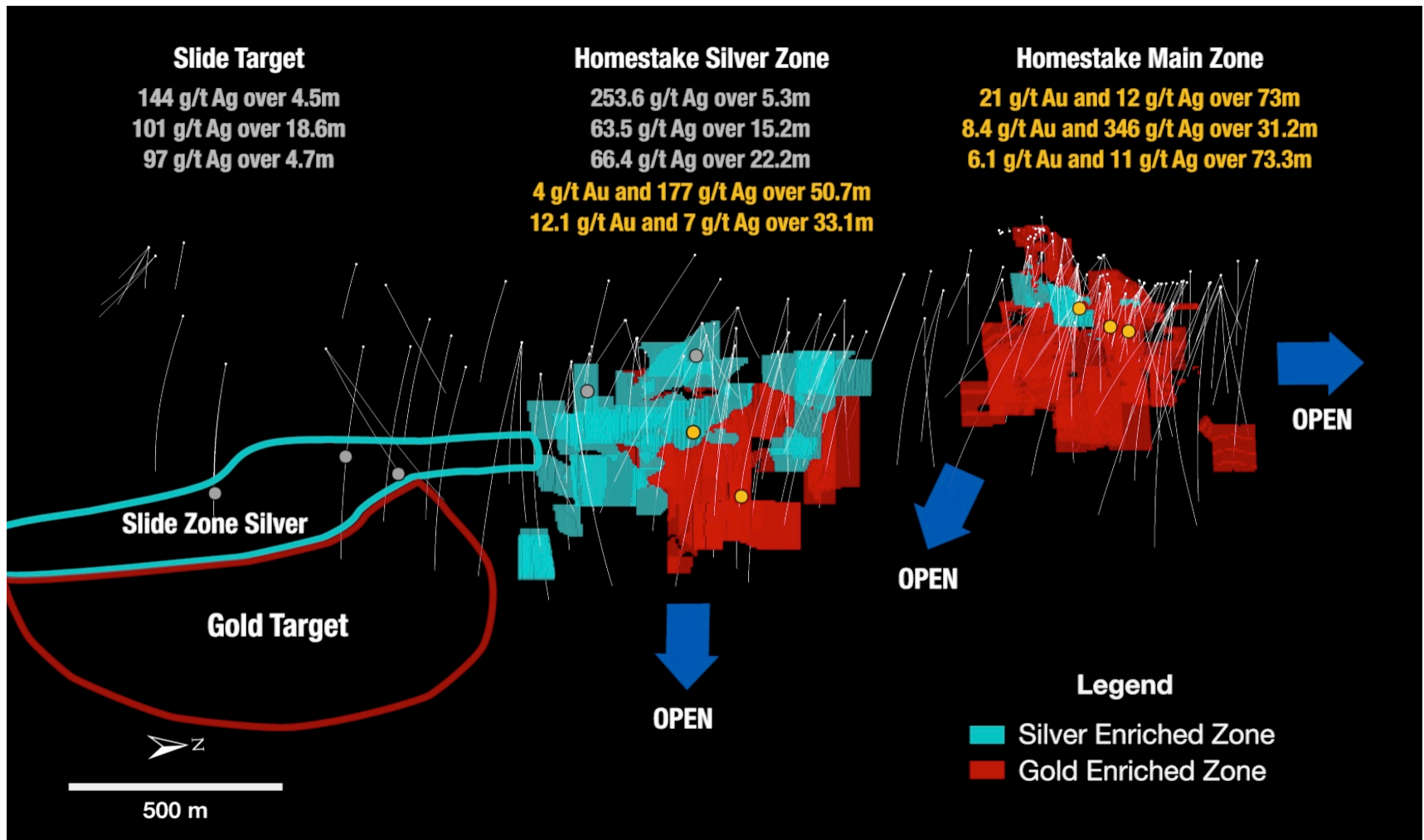
Homestake = Value + Exploration Upside



	Tonnes	Au (g/t)	Au (oz)	Ag (g/t)	Ag (oz)	Cu %	Cu (Mlb)	AUEQ (g/t)	AUEQ (oz)
8 g/t AuEq Cut-off									
Indicated	154,900	14.3	71,300	116	576,300	0.26	0.9	16.2	80,800
Inferred	1,001,900	12.4	400,800	219	7,050,300	0.24	5.4	15.8	509,900
6 g/t AuEq Cut-off									
Indicated	221,900	11.7	83,800	99	704,200	0.27	1.3	13.4	95,800
Inferred	1,679,700	9.3	500,900	190	10,269,300	0.18	6.7	12.2	657,900
4 g/t AuEq Cut-off									
Indicated	356,500	9.0	102,700	71	808,800	0.23	1.8	10.2	116,800
Inferred	3,177,300	6.6	676,800	138	14,147,700	0.13	9.1	8.7	892,500
2 g/t AuEq Cut-off									
Indicated	623,800	6.2	125,200	48	961,200	0.18	2.5	7.1	142,300
Inferred	7,279,500	4.0	932,200	91	21,301,700	0.11	16.9	5.4	1,260,400

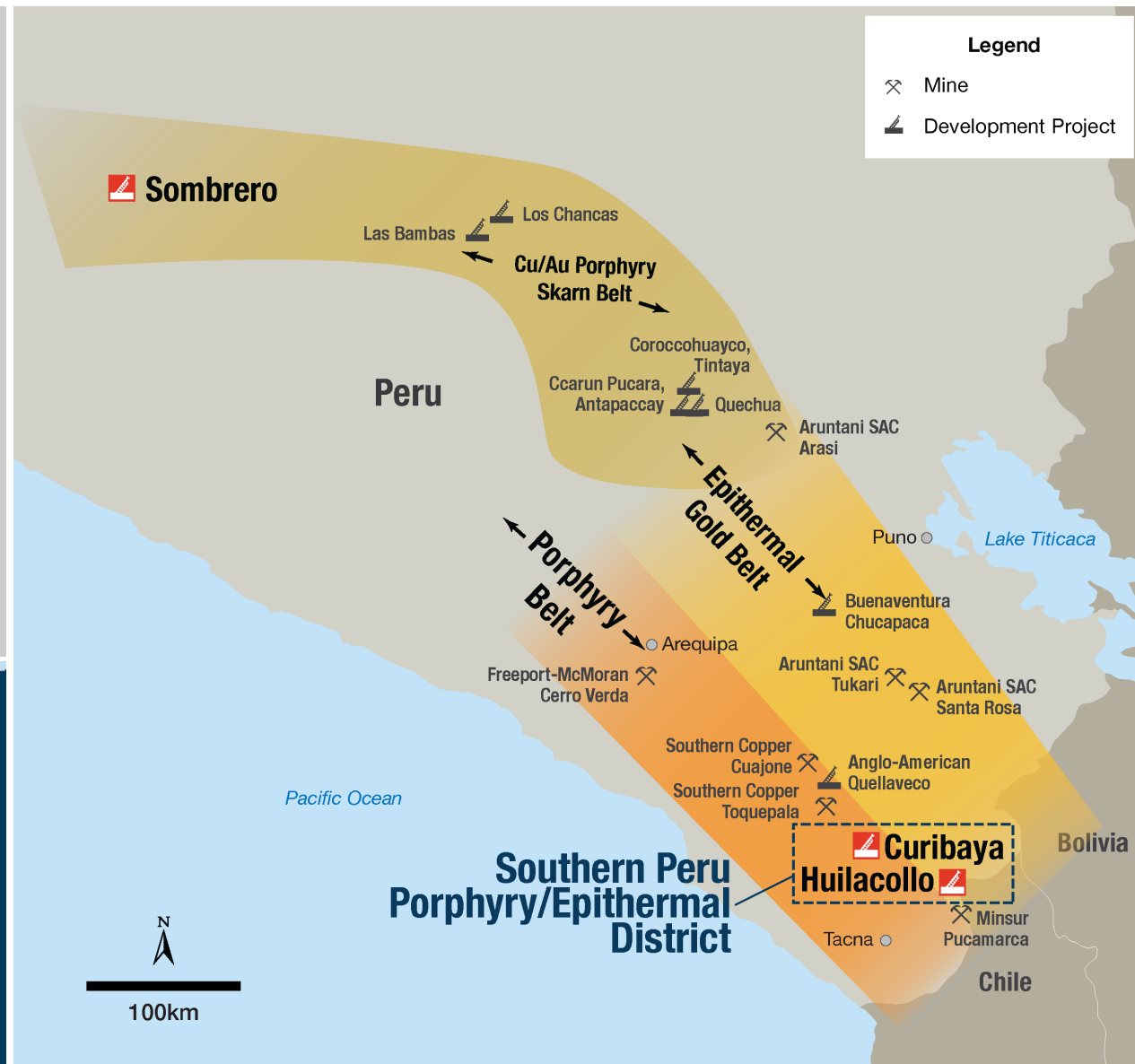
- Mineral Resources were constrained using a 2g/t AuEq grade shell.
- CIM definitions were followed for Mineral Resources.
- Gold equivalence was calculated using Au, Ag and Cu metallurgical recoveries of 92% Au, 88% Ag and 88% Cu in blocks where Cu% >0.1%; and where calculated using just Au and Ag recoveries in blocks with <0.1% Cu. Average long-term gold prices of US\$1,500 per ounce Au, US\$27 per ounce Ag, and US\$3.50 per pound Cu, with an exchange rate of C\$1.00=US\$1.00 were utilized to be consistent with the 2013 estimate.
- The Mineral Resource was re-compiled utilizing g/t cut-offs to show subsets of higher grade mineralization within the block model. The original Mineral Resource was presented using NSR cut-offs. There was no change in the estimating criteria for the model.

- Mineralization open for significant expansion



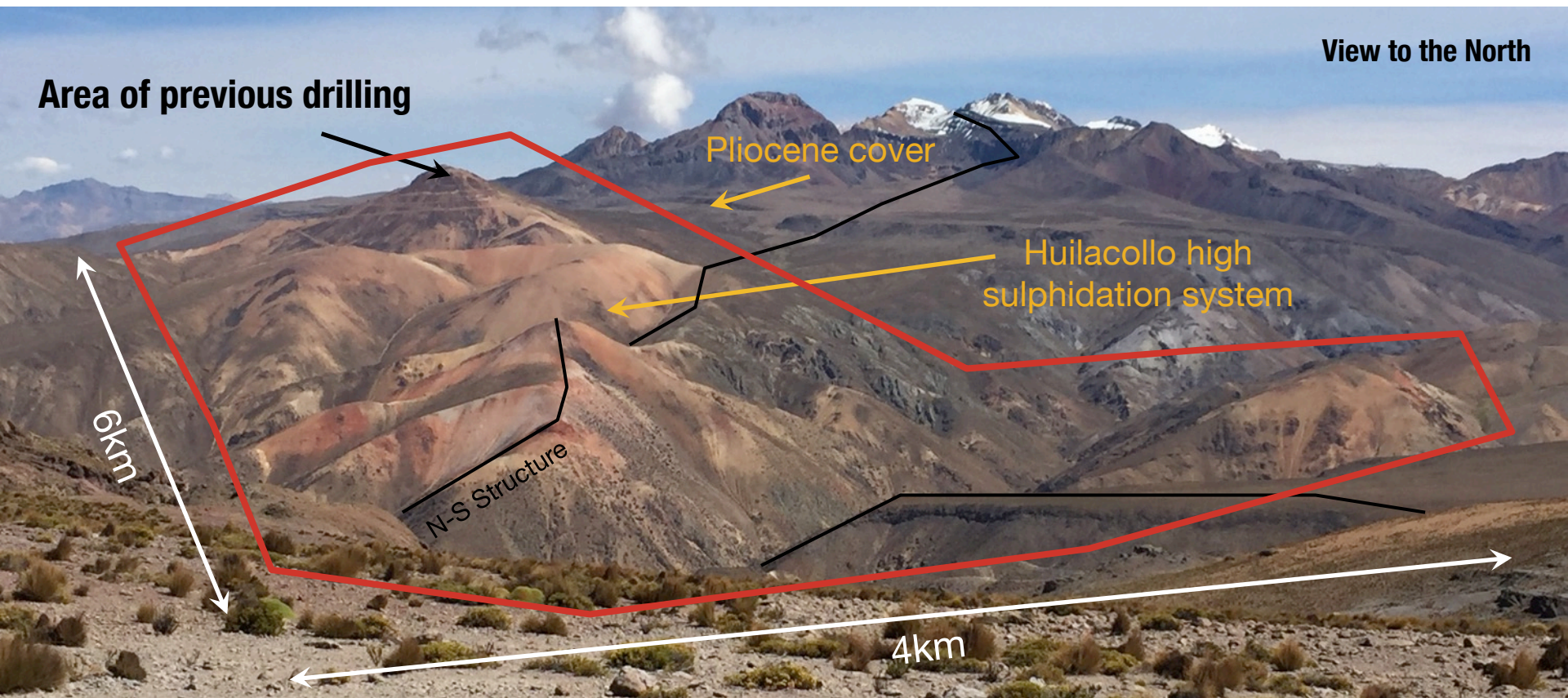
Southern Peru: Epithermal gold discoveries and major copper mines

- 4 multi-million ounce Au/Ag epithermal deposits discovered in the last 15 years in epithermal belt: +13M oz
- Porphyry belt hosts 4 of the largest copper porphyry deposits in Peru

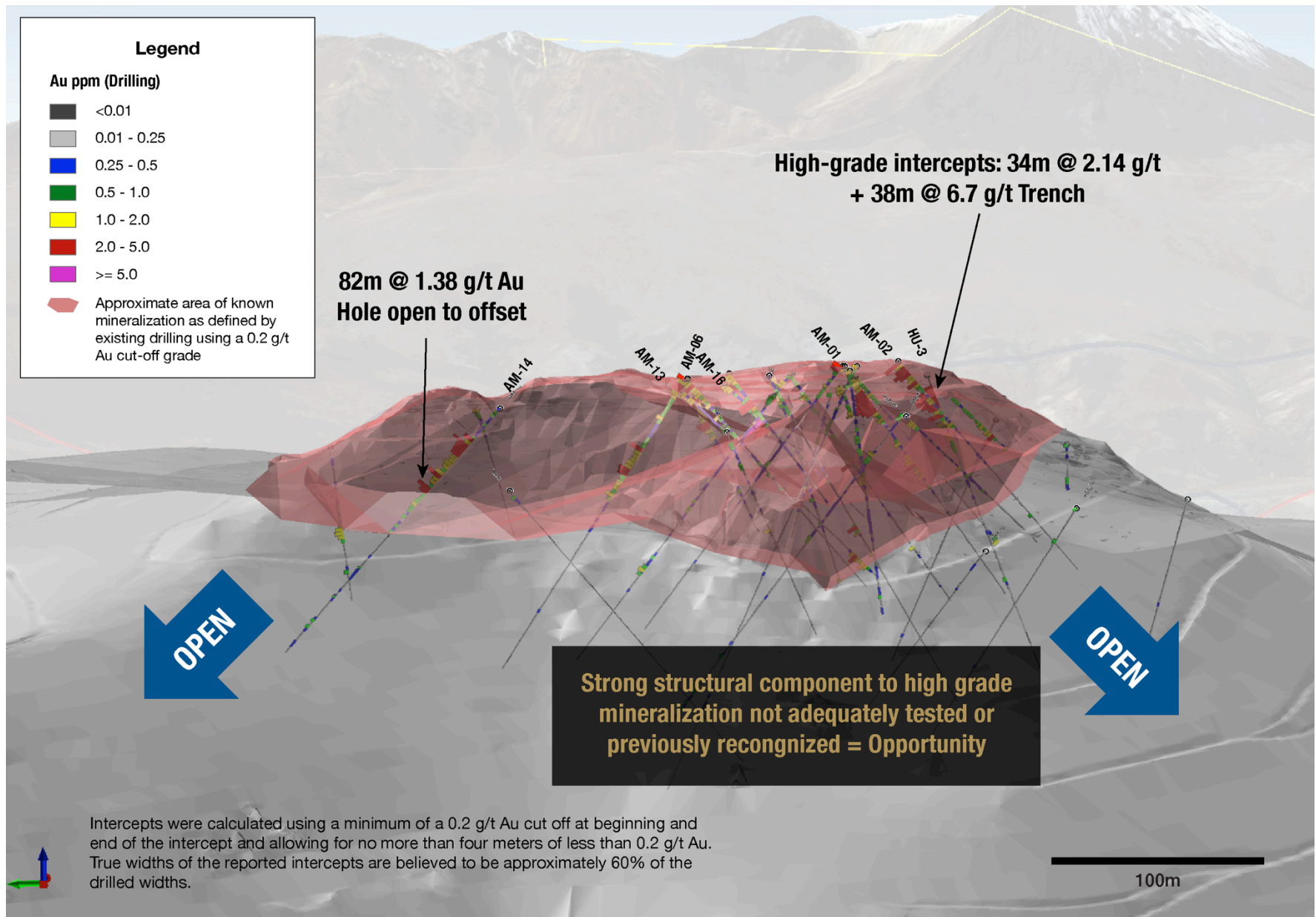


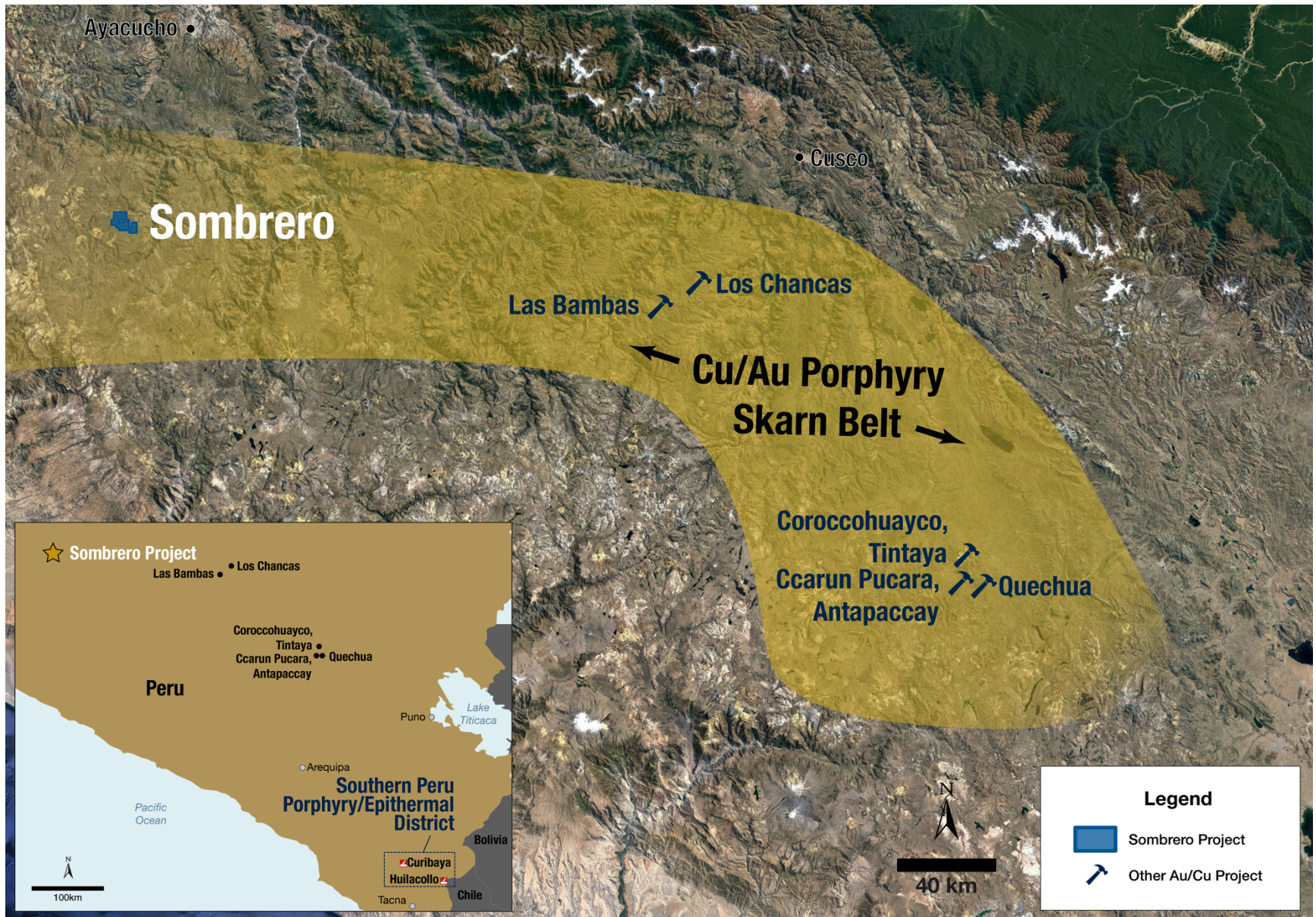
Huilacollo Project: Advanced Gold Epithermal Oxide

- Mineralized body is open for expansion – limited drilling to date
- Resistivity highs/chargeability lows coincident with elevated gold in soils



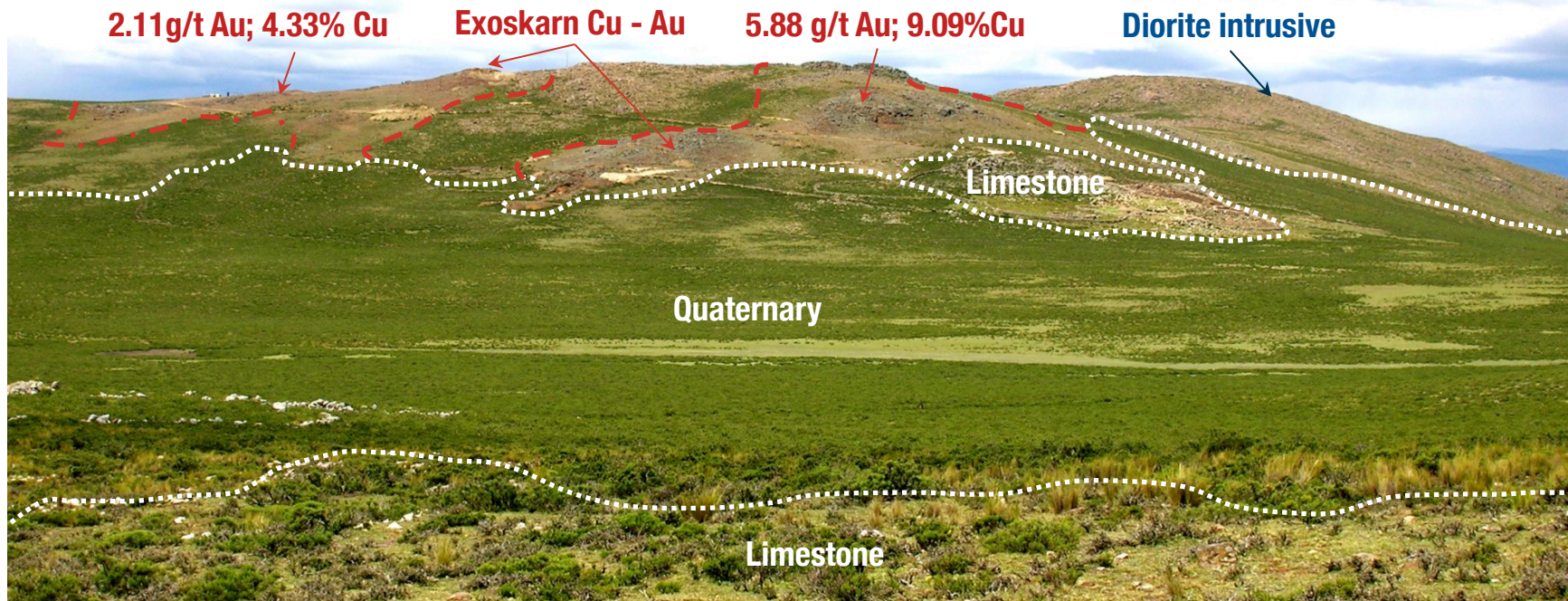
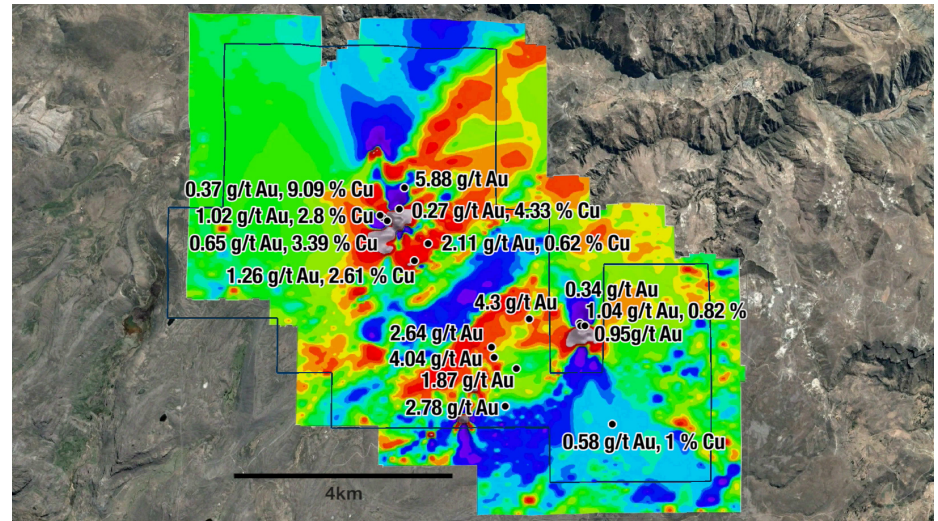
Huilacollo: Limited Drilling to Date



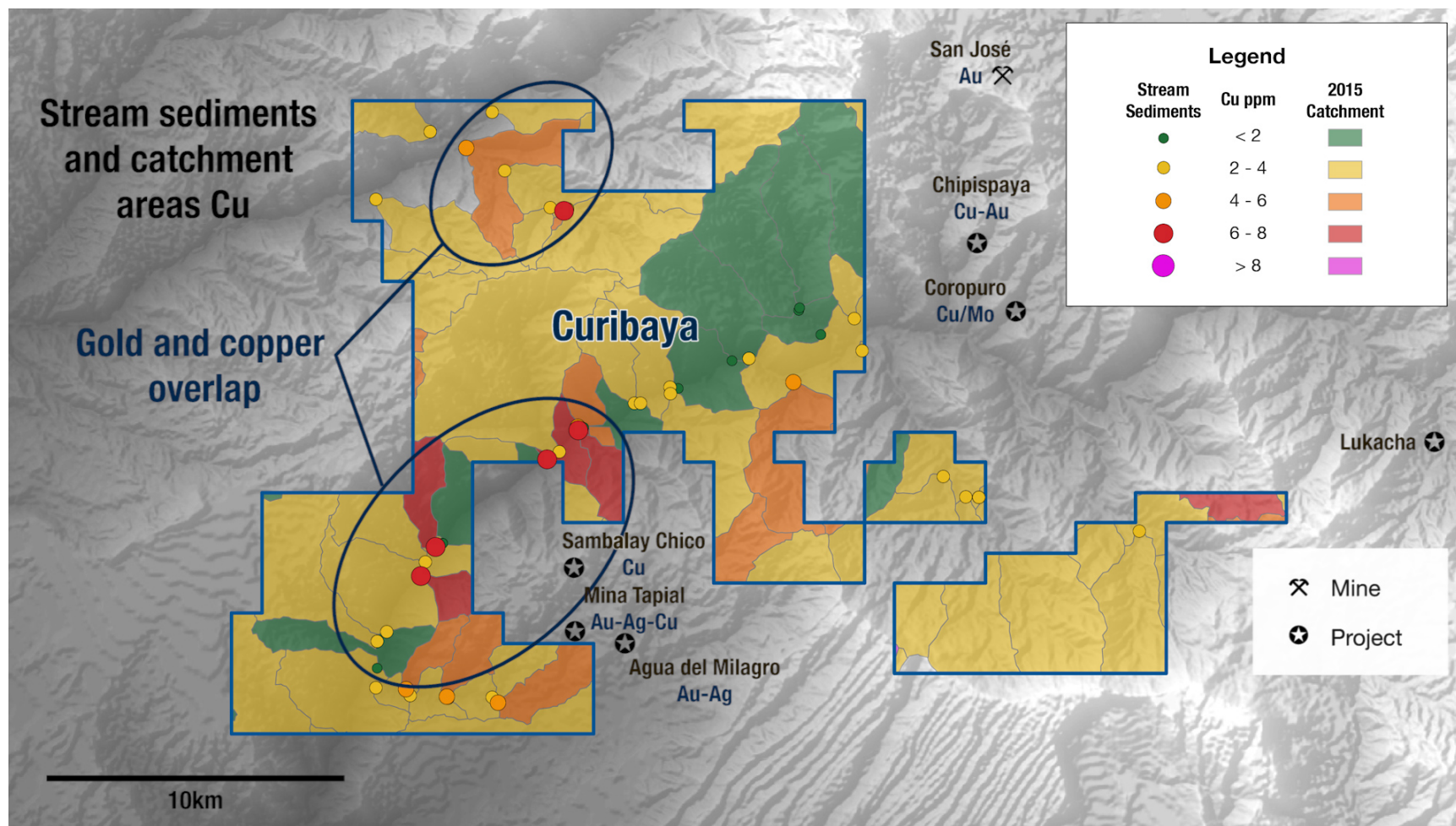


Sombrero – Magnetics and Copper-Gold Geochemistry

- High grade gold and copper on surface
- Extensive copper-gold skarn system hosted by limestones cut by intrusive stocks
- Ground magnetics and IP completed



Curibaya – Porphyry Target



The Future for Auryn Shareholders?

- Primary growth catalysts:
 - Discovery through large exploration programs
 - Estimating 40,000-60,000 meters of discovery drilling in 2017
- Optionality
- A major exploration portfolio with a majors exploration team to explore it



Appendix

1. Peru Options Agreement (Huilacollo and Curibaya)
2. Peru Options Agreement (Sombrero)

Peru Option Agreements (Huilacollo and Curibaya)

The Huilacollo Property

- Auryn Resources has acquired the rights to the Huilacollo property through an option agreement with a local Peruvian company, Inversiones Sol S.A.C. (the “Huilacollo Option”). Under the Huilacollo option, the Company may acquire a 100% interest, subject to a NSR*, through a combination of work expenditures and cash payments as detailed in the table below:

Due dates	Property Payments	Work Expenditures
All amounts in US dollars		
Effective Date (May 31, 2016)	\$ 250,000	-
Within 24 months of the Effective Date	\$ 500,000	\$ 2,000,000
Within 36 months of the Effective Date	-	\$ 3,000,000
Within 48 months of the Effective Date	\$ 250,000	-
Within 60 months of the Effective Date	\$ 250,000	\$ 2,000,000
Within 72 months of the Effective Date	\$ 7,500,000	-
Total	\$ 8,750,000	\$ 7,000,000

* The Huilacollo NSR is 1.5% on precious metals and 2.5% on base metals and buyable for \$2,500,000 and \$7,000,000, respectively.

The Curibaya Property

- Auryn Resources has acquired 100% ownership in the Curibaya property through direct staking and the national auction process. The total cost to acquire the licenses was approximately \$200,000

The Sombrero Property

- Under the terms of the Agreement dated on June 28th, 2016 (the “Effective Date”), Alturas granted to Auryn the exclusive assignable right and conditional option (the “Option”) to acquire either 80% or 100% of the Sombrero concessions
- In order to exercise the Option and acquire a participating interests (“Interest”) for 80% of the Sombrero concessions, Auryn must incur up to US\$2.1 million work expenditures within a five year period and make cash payments of \$200,000 as follows:
 - \$140,000 upon entering into this Agreement which has been paid; and
 - \$60,000 on or before the first anniversary of the Effective Date
- Upon Auryn having completed its requirements to earn an 80% interest in the Sombrero Project, the parties shall form a customary 80:20 joint venture vehicle. For a period of 1 year after the formation of the Joint Venture (the “Initial Period”), Alturas’ 20% interest shall be “free carried” and Auryn shall have a right to acquire the remaining 20% from Alturas for US\$5 million



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