



TSX.V : AUG OTCQX : GGTCF

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

	<p><b>Took an exploration discovery company to production, 2005 – 2016</b> (Ramping up to 400,000 ounces / year in 2016)</p> <p><i>Producing</i></p>
	<p><b>Sold an exploration discovery company pre-resource, 2010 – 2014</b> (Sold for \$205 million to Agnico Eagle in 2014)</p> <p><i>Sold</i></p>
	<p><b>Built a major exploration discovery portfolio and team, 2013 – currently undergoing major exploration and drilling programs</b> (Estimating 40,000 - 60,000 in 2017)</p> <p><i>Exploring</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
<b>Shares Outstanding</b>	<b>66,376,507</b>
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
<b>Treasury</b>	<b>\$10 million</b>



## 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

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## 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

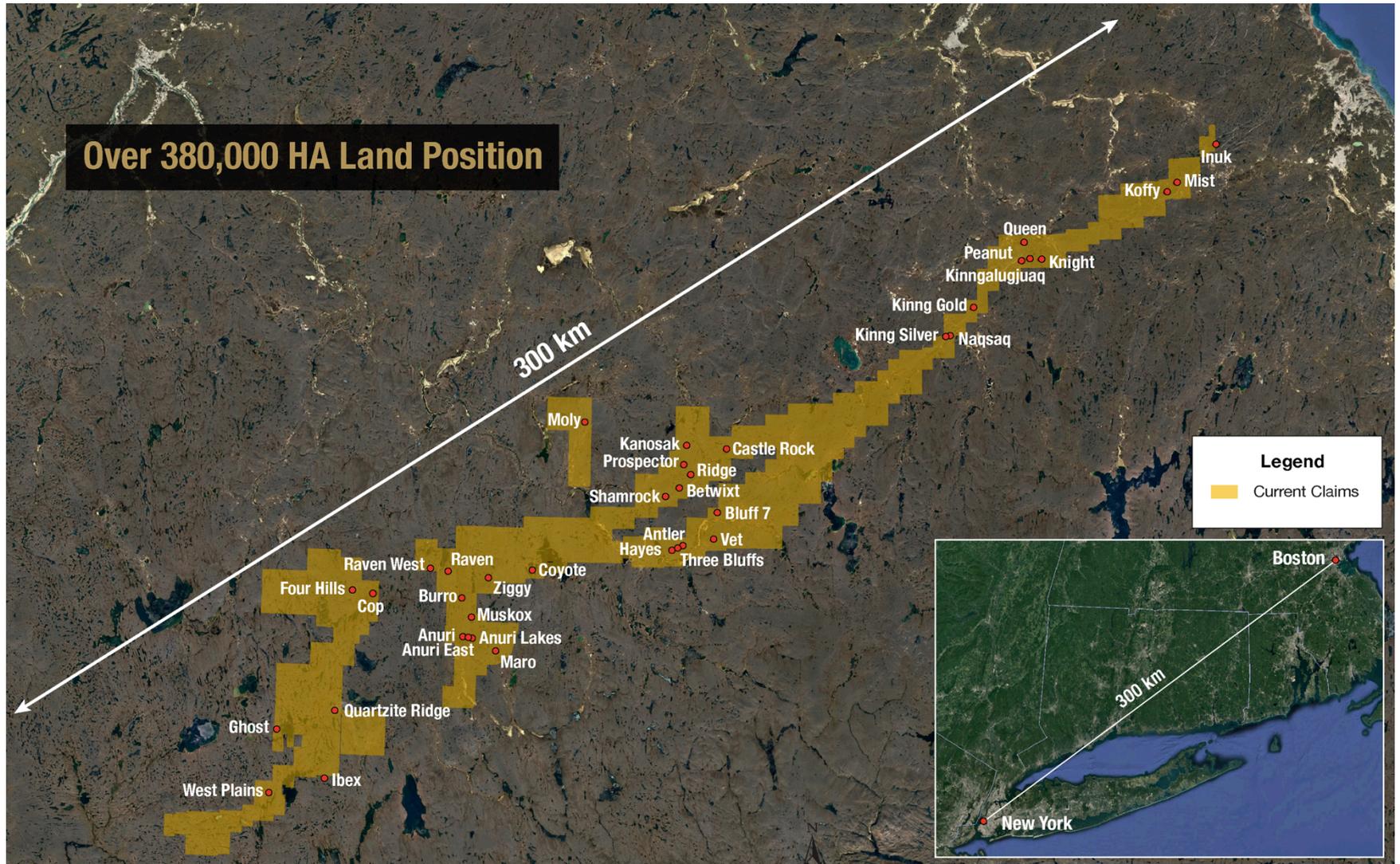
**Ralph Stea:** Quaternary Geologist  
Former Surficial Geologist and Geochemist with Nova Scotia Department of Natural Resources

# Our Vision – Growth Through Discovery

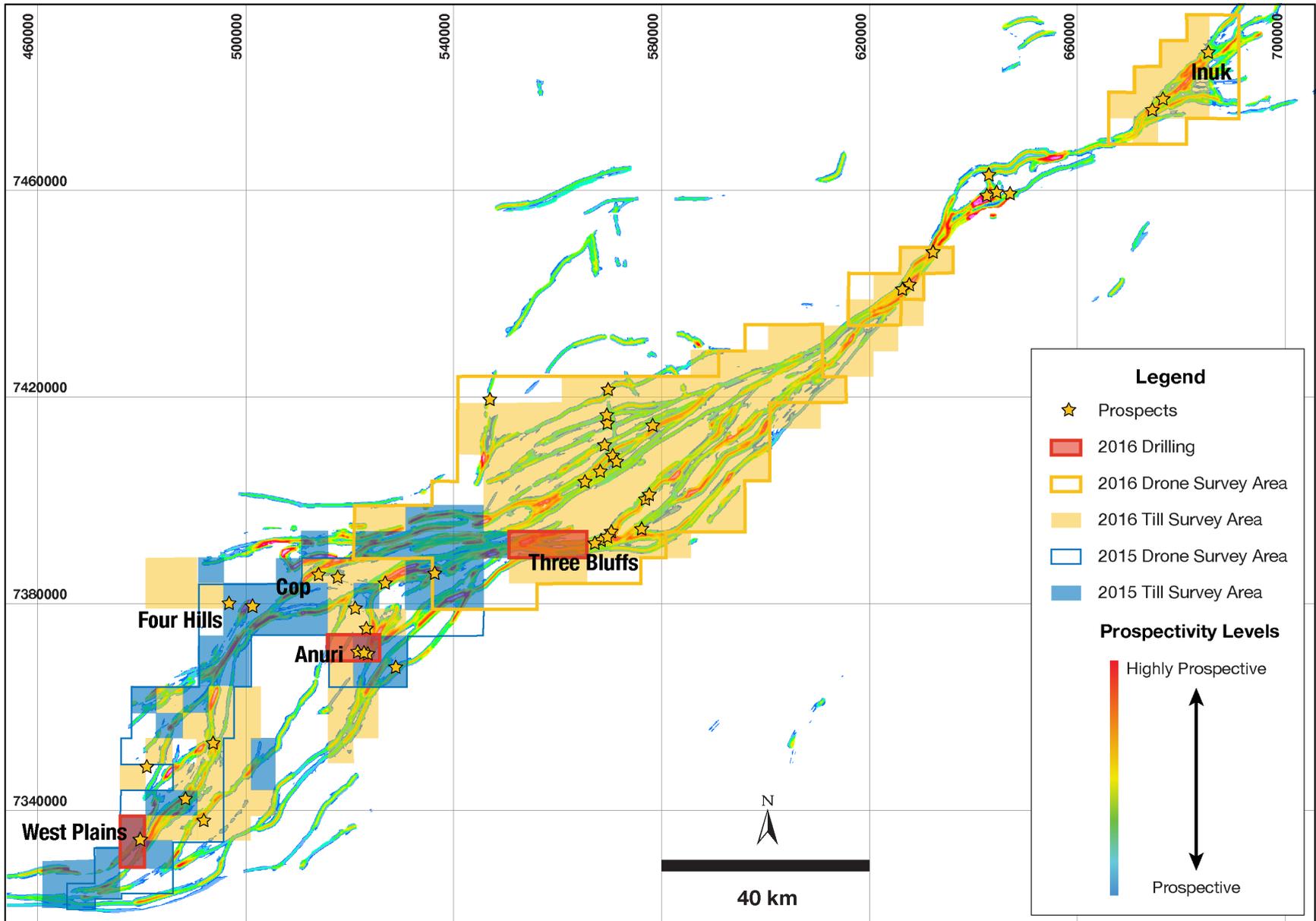
- **Committee Bay, Canada – High Grade**
  - Exploring a 300 km high-grade gold belt in Northern Canada
  - Currently hosted a 1.2M oz gold deposits at 8 g/t Au
- **Homestake Ridge, Canada – High Grade**
  - Currently hosts a significant high-grade gold deposit with room for significant expansion
  -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



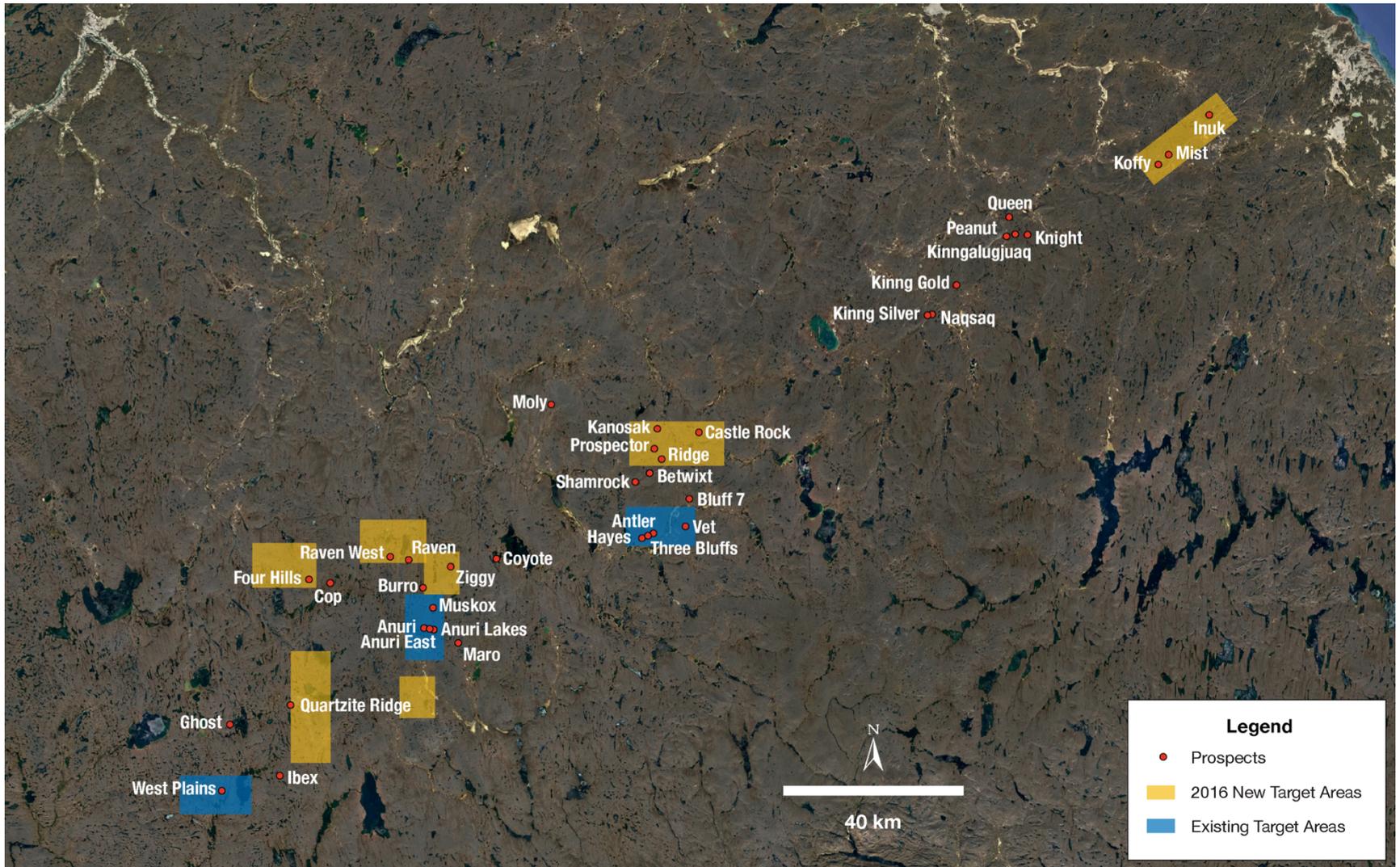
# Committee Bay = 300km Greenstone Belt



# Committee Bay – 2016 Work Completed

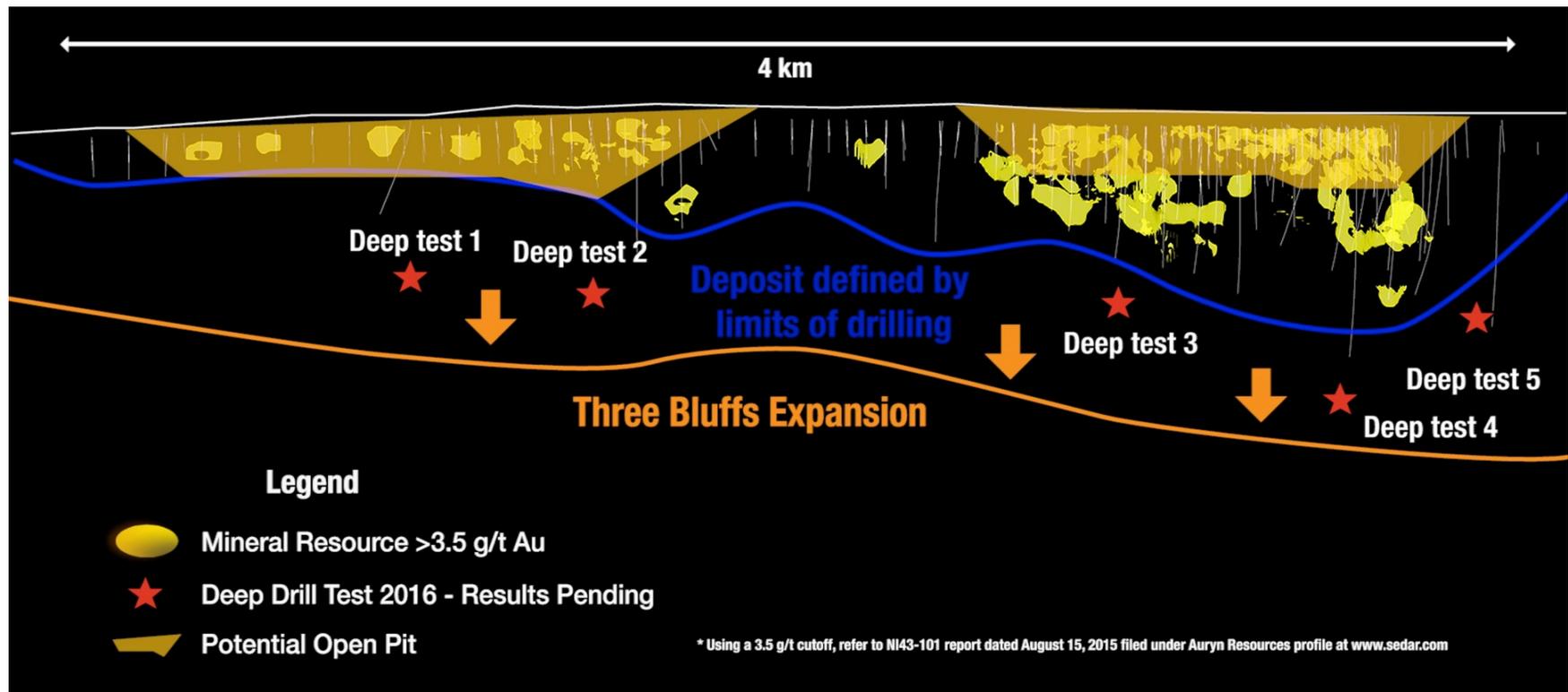


# 6 New Multi-Kilometer Target Areas Defined



# 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



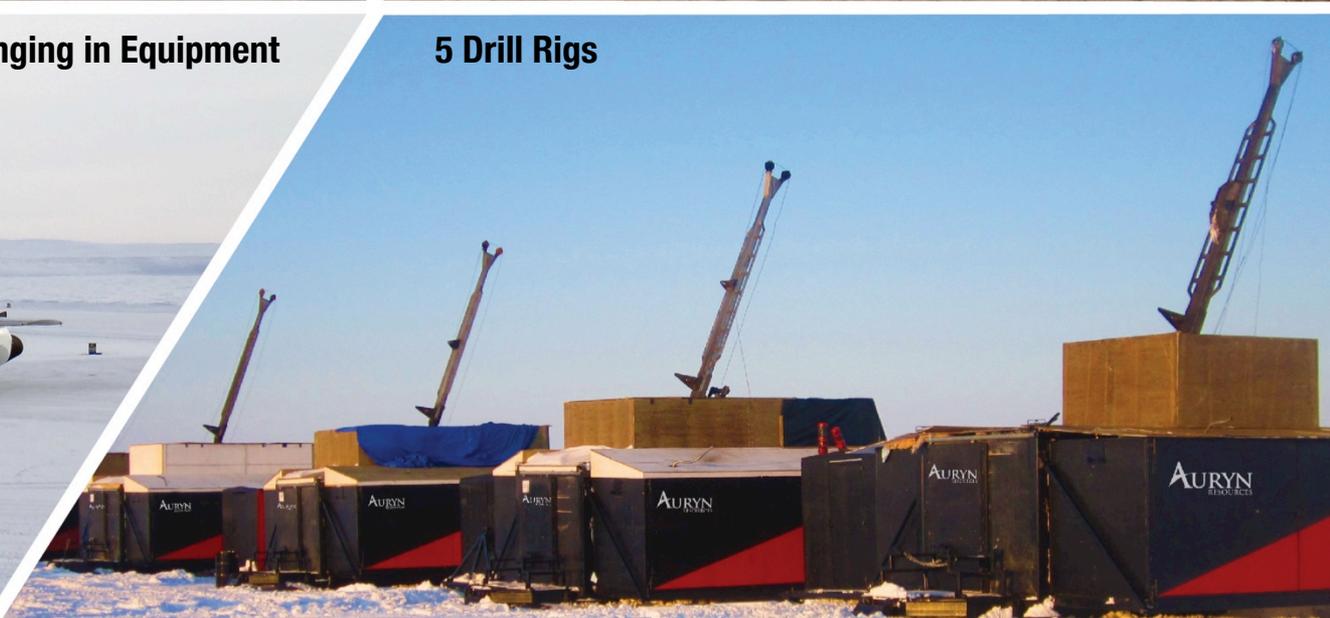
**Established Camp and Air Strip**



**Heavy Equipment at Site**

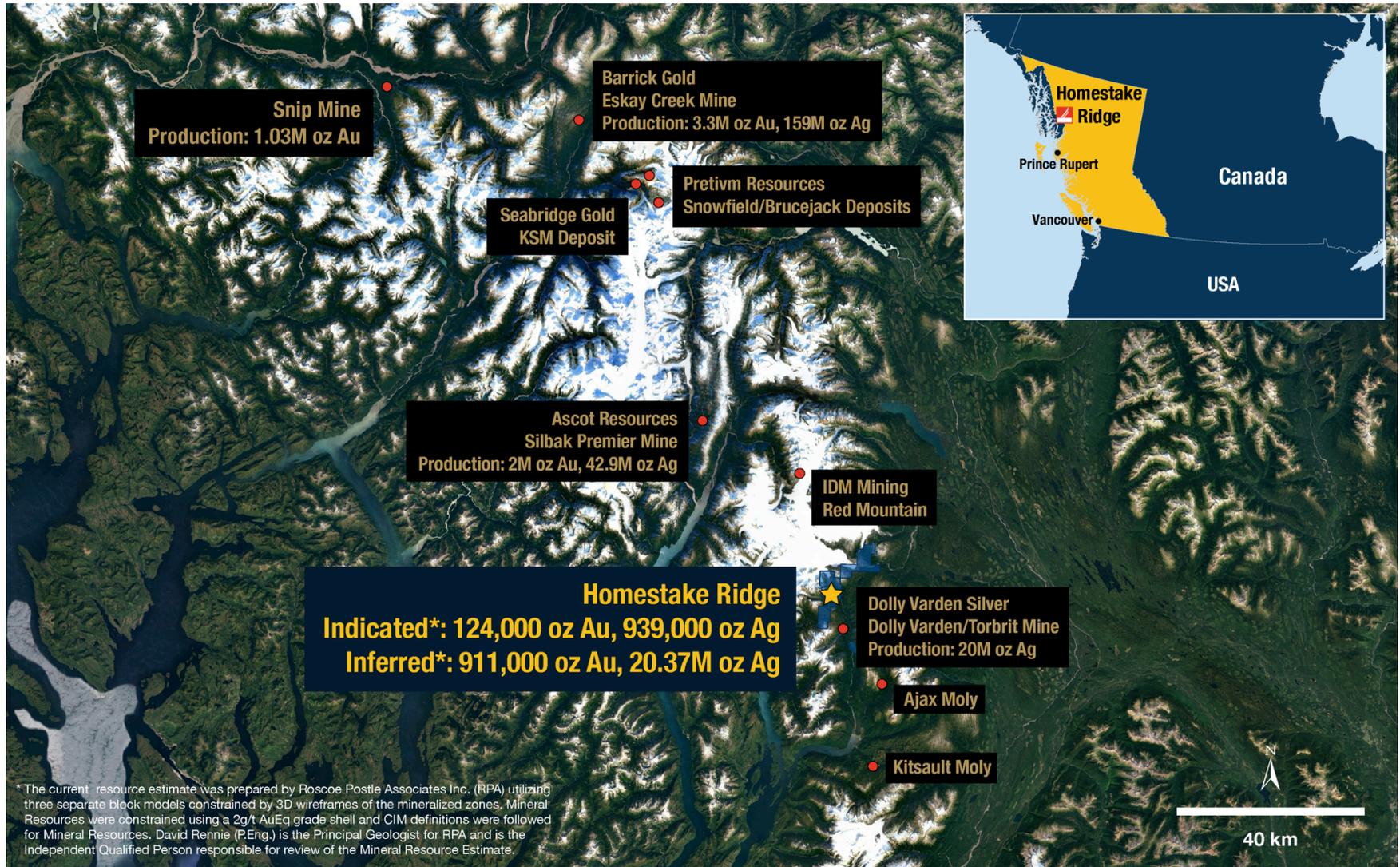


**C130 Hercules Bringing in Equipment**

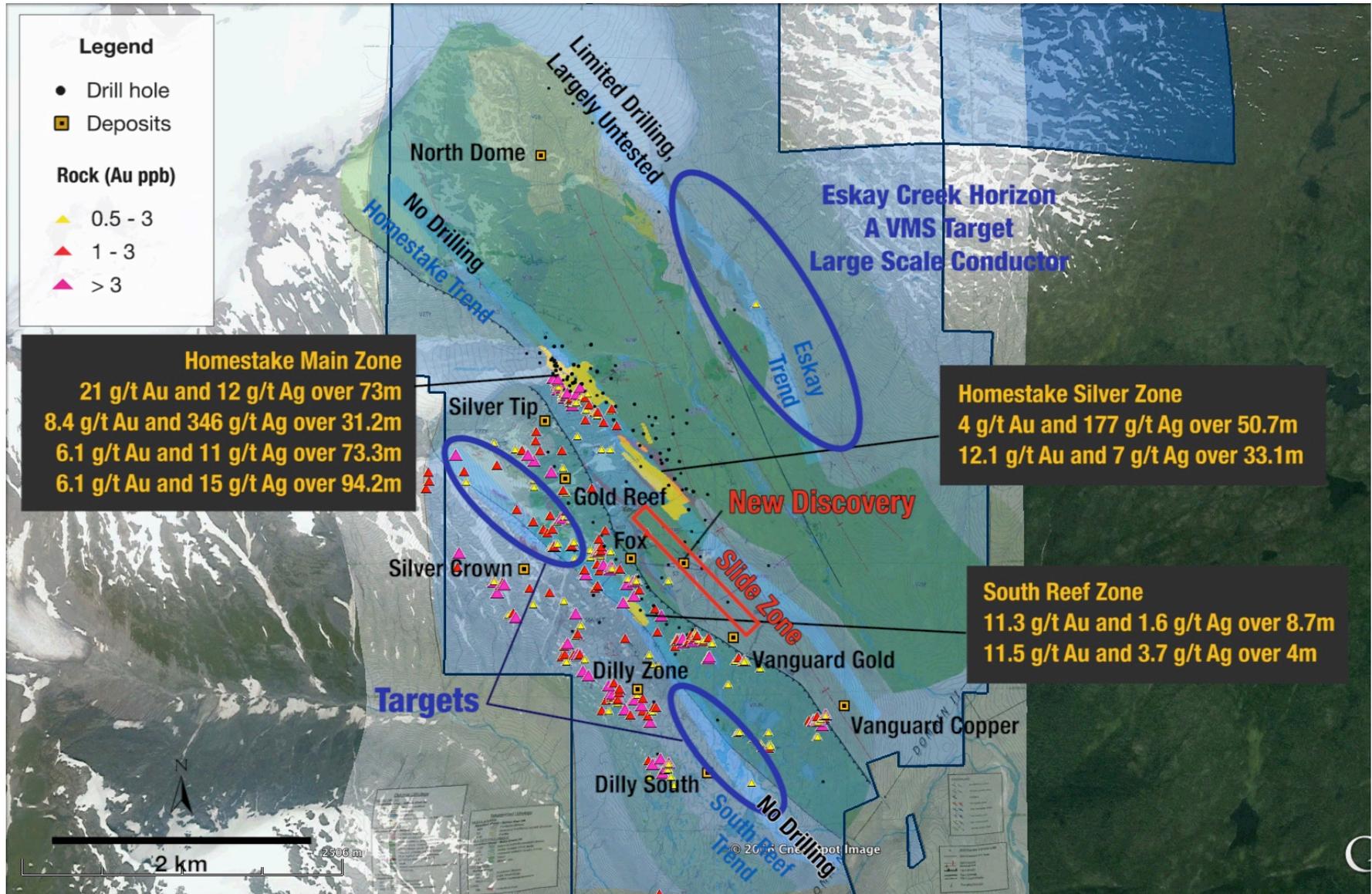


**5 Drill Rigs**

# Homestake Deposit in the Golden Triangle, British Columbia



# Homestake = Value + Exploration Upside

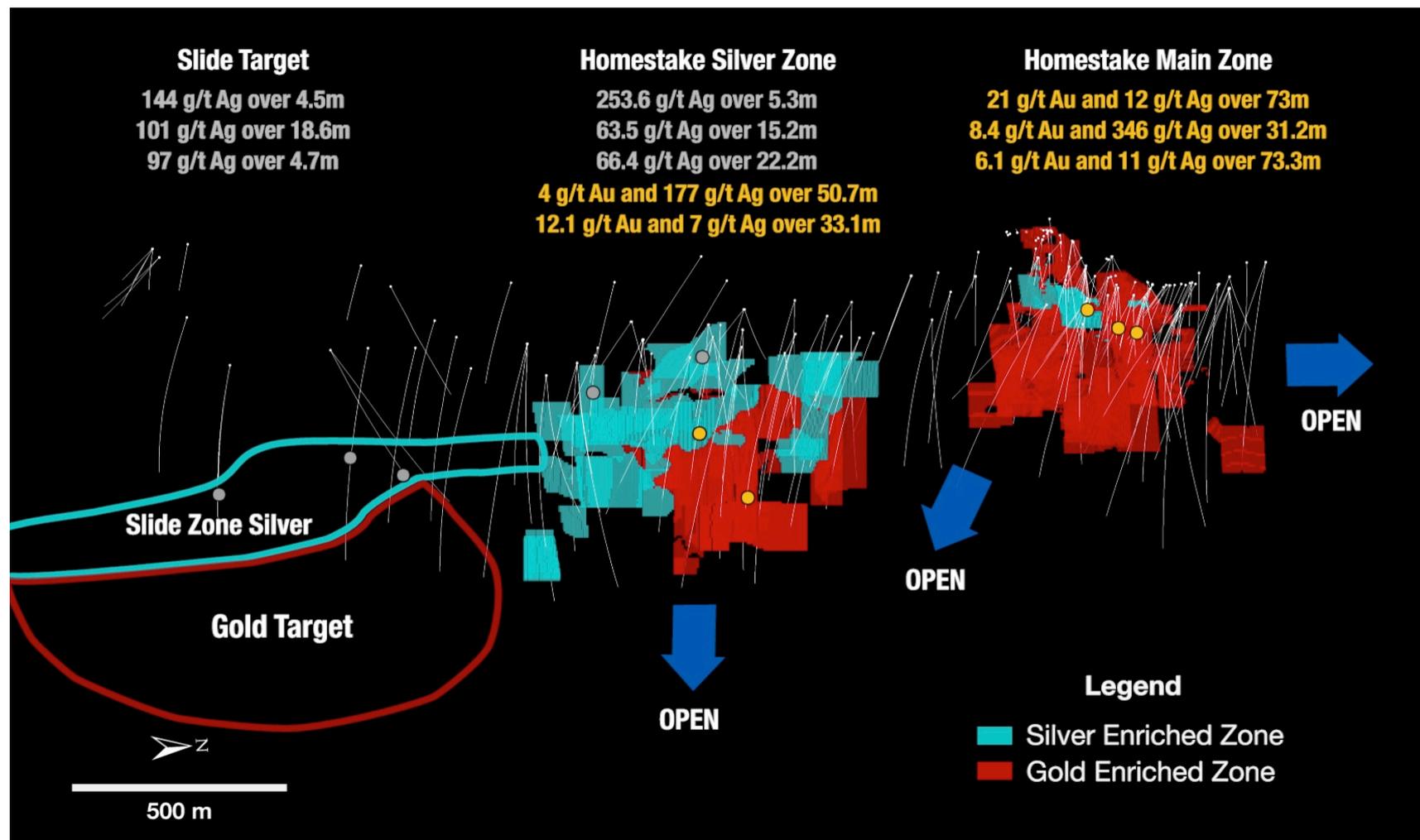


	Tonnes	Au (g/t)	Au (oz)	Ag (g/t)	Ag (oz)	Cu %	Cu (Mlb)	AUEQ (g/t)	AUEQ (oz)
<b>8 g/t AuEq Cut-off</b>									
Indicated	154,900	14.3	71,300	116	576,300	0.26	0.9	16.2	80,800
Inferred	1,001,900	12.4	400,800	219	7,050,300	0.24	5.4	15.8	509,900
<b>6 g/t AuEq Cut-off</b>									
Indicated	221,900	11.7	83,800	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
<b>4 g/t AuEq Cut-off</b>									
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
<b>2 g/t AuEq Cut-off</b>									
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.

# Homestake – Long Section

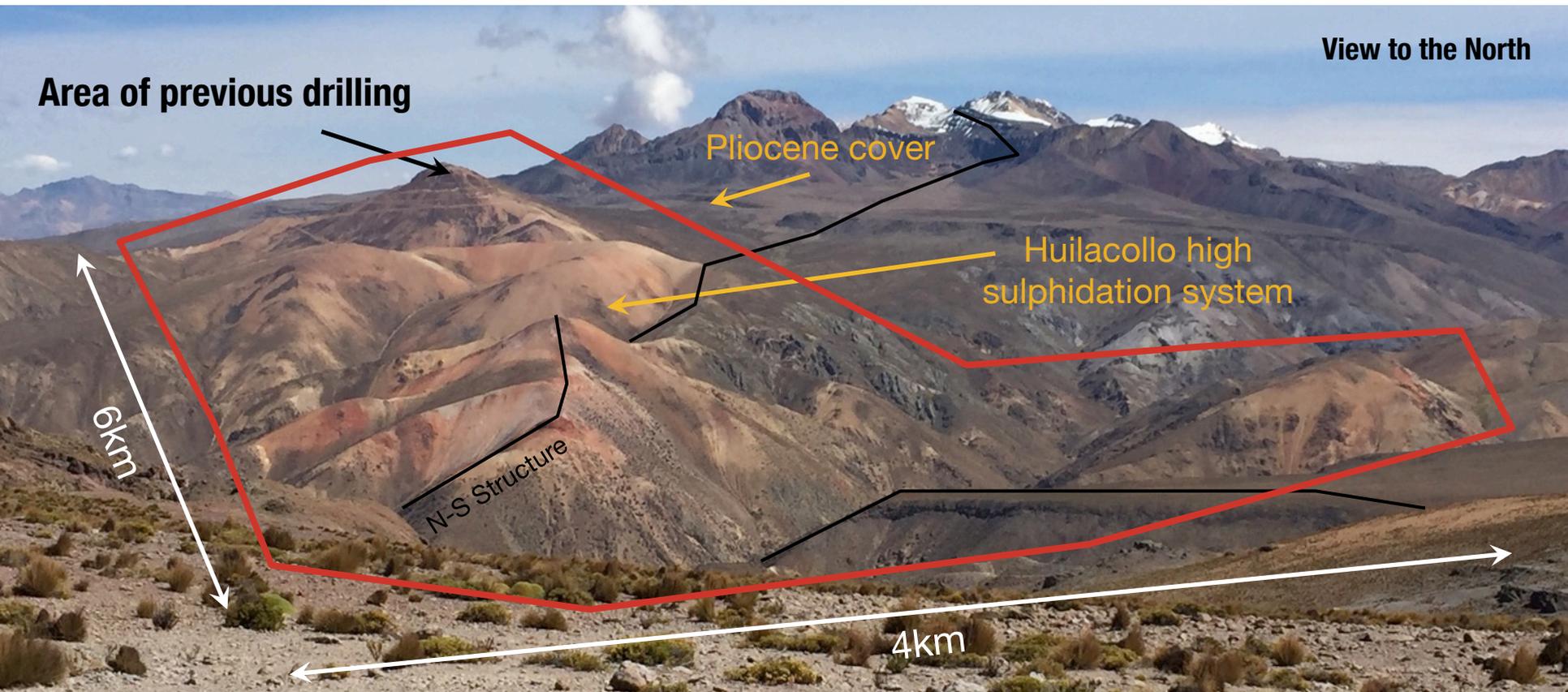
- Mineralization open for significant expansion



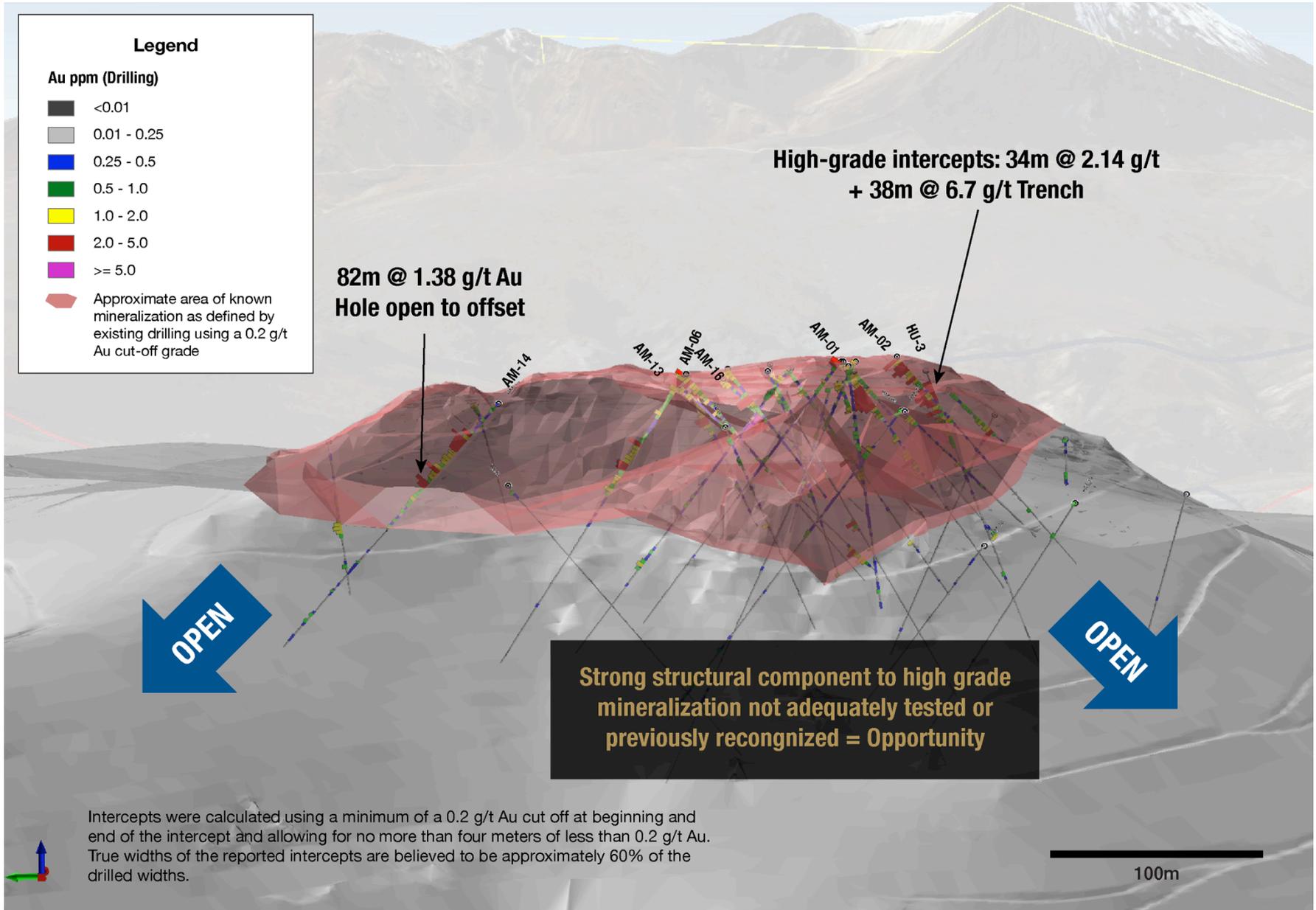


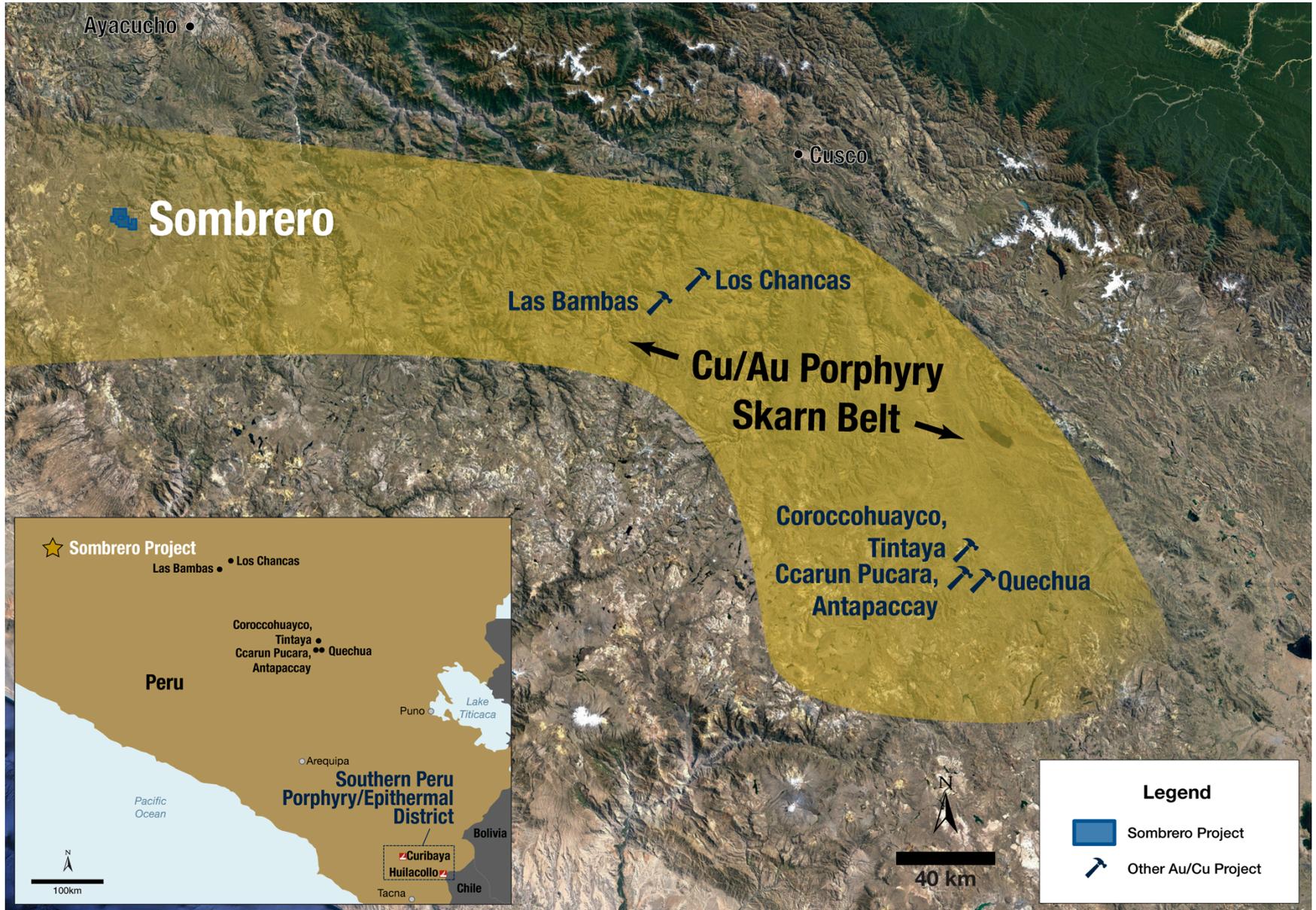
# Huilacollo Project: Advanced Gold Epithermal Oxide

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



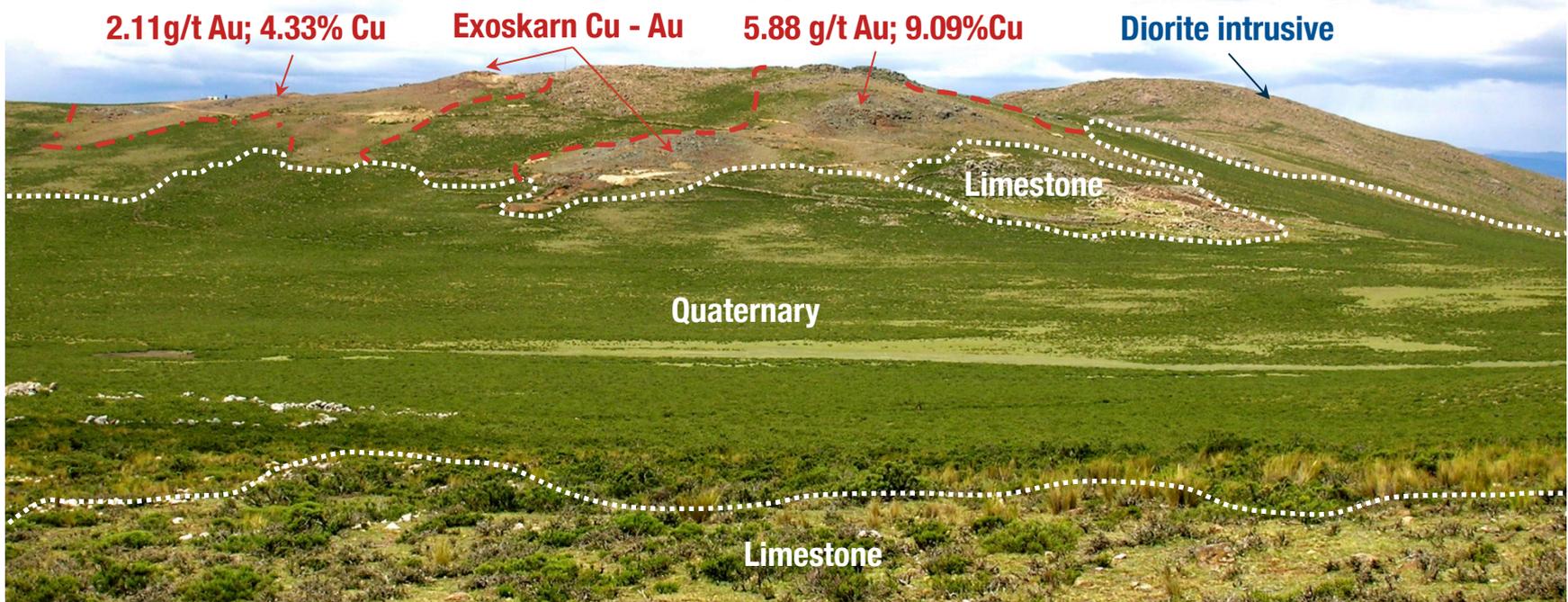
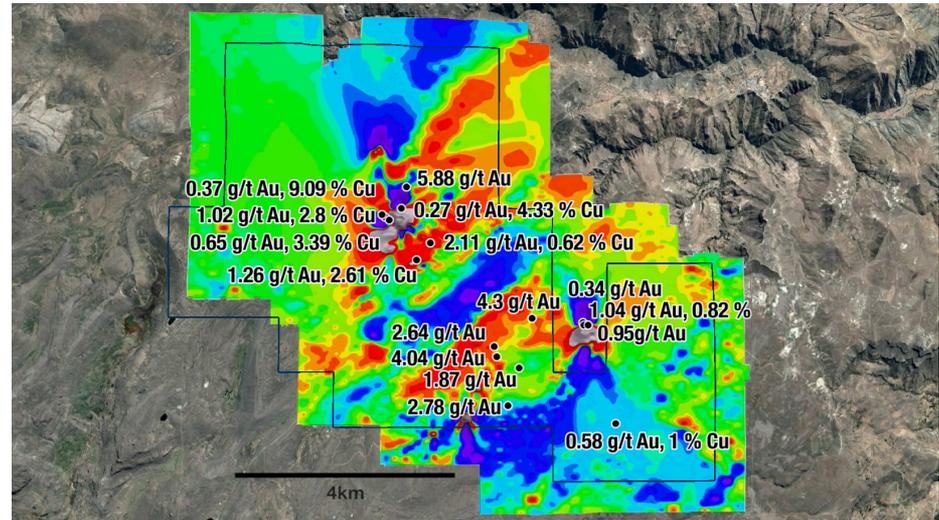
# Huilacollo: Limited Drilling to Date



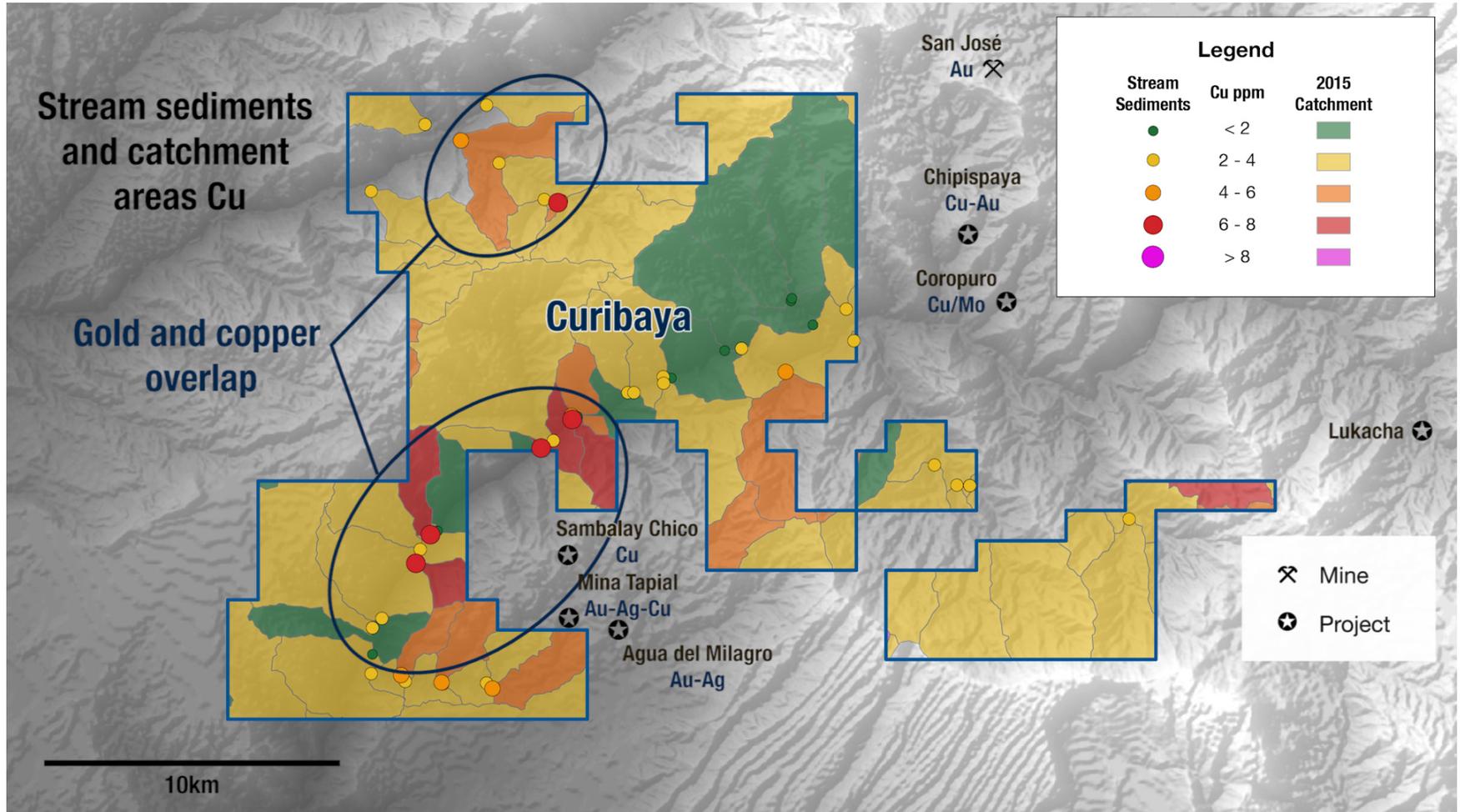


# Sombrero – Magnetics and Copper-Gold Geochemistry

- 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?

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- 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)

## 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	-
<b>Total</b>	<b>\$ 8,750,000</b>	<b>\$ 7,000,000</b>

\* 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



**AURYN**  
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