

September 2019



AURYN RESOURCES

TSX : **AUG** | NYSE American : **AUG**

Pursuing the Worlds Next Major Discoveries



Introductory Cautionary Notes

This document has been prepared by AuryN Resources Inc. (the "Company") to introduce the Company's mineral exploration projects. Because it is a high level summary presentation, the information contained herein cannot contain all the information that should be reviewed before making an investment decision. As noted below, the information herein is qualified by the more detailed information contained in the Company's continuous disclosure record found at www.sedar.com and at www.sec.gov. No securities regulatory authority has in any way passed on the merits of this presentation nor any securities referred herein.

The presentation contains "forward-looking statements". Forward-looking statements provide guidance about our plans and aspirations in particular relating to the exploration and potential for development of our mineral properties. These statements, including graphics, involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements of the Company to be materially different from the expectations expressed or implied by such forward-looking statements.

The Company cannot assume a responsibility to keep this presentation updated. Therefore readers should refer to the risk factors and other current information discussed in the Company's Annual Information Form and MD&A for the year ended December 31, 2018 and subsequent continuous disclosure filings with the Canadian Securities Administrators available at www.sedar.com and the Company's registration statement on Form 40-F filed with the United States Securities and Exchange Commission and available at www.sec.gov.

These risks include project title risks. AuryN holds certain of its interests in Peru through Corisur Peru SAC, which controls (among other) certain licenses (including the Huilacollo and Baños del Indio projects) that are located within a special legal zone which runs 50km back from the Peruvian border. As a non-Peruvian company, AuryN's right to ultimately acquire title over the shares issued by Corisur Peru SAC and to own and/or exploit these licenses requires approval from the Peruvian government. While AuryN is in the process of submitting its applications with respect to the approval and does not currently foresee any legal reason why it would be denied the approval, some risk of denial or delay should be assumed to exist.

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

Cautionary note to United States investors concerning estimates of measured, indicated and inferred resources estimates

This disclosure has been prepared in accordance with the requirements of Canadian securities laws which differ from the requirements of U.S. securities laws. Unless otherwise indicated, all mineral resource estimates included in this disclosure have been prepared in accordance with Canadian National Instrument 43-101 ("Standards of Disclosure for Mineral Projects") and the Canadian Institute of Mining, Metallurgy and Petroleum classification systems. NI 43-101 is a rule developed by the Canadian Securities Administrators that establishes standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. These standards differ significantly from the requirements of the United States Securities and Exchange Commission (the "SEC"), and resource estimates disclosed herein may not be comparable to similar information disclosed by U.S. companies.

In addition, this disclosure uses the terms "measured and indicated resources" and "inferred resources" to comply with the reporting standards in Canada. The Company advises United States investors that while those terms are recognized and required by Canadian regulations, the SEC does not recognize them. United States investors are cautioned not to assume that any part or all of the mineral deposits in these categories will ever be converted into mineral reserves. Further, "inferred resources" have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. Therefore, United States investors are also cautioned not to assume that all or any part of the "inferred resources" exist. In accordance with Canadian securities laws, estimates of "inferred resources" cannot form the basis of feasibility or other economic studies. It cannot be assumed that all or any part of "measured and indicated resources" or "inferred resources" will ever be upgraded to a higher category or are economically or legally mineable. In addition, disclosure of "contained ounces" is permitted disclosure under Canadian securities laws; however, the SEC only permits issuers to report mineralization as in place tonnage and grade without reference to unit measures.

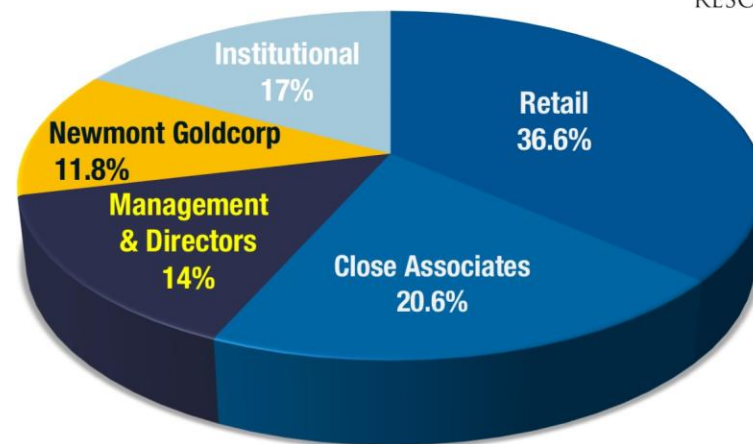
Pursuing World-Class Precious and Base Metal Discoveries



Capital Structure & Ownership

Capitalization

Shares Outstanding	95,182,400
Options Outstanding (avg. price \$2.00)	8,178,125
Fully-Diluted Shares Outstanding	103,360,525
Treasury CDN (As of Sept 12, 2019)	\$3.5 million*



- ✓ Management = largest shareholder (**14.0%**)
- ✓ Newmont Goldcorp investment of \$38 million to date (**11.8%**)
- ✓ Largest insider purchase in one transaction (**\$1M – CAD\$1.60/share, March 27, 2019**)

* Bridge loan of \$3M with ability to increase to \$6M if needed from existing shareholder

Experienced, Balanced Management Team

Management

Ivan Bebek, Co-Founder - Executive Chairman, Director

Shawn Wallace, Co-Founder - President, CEO & Director

Michael Henrichsen, MSc – COO & Chief Geologist

Stacy Rowa, CPA, CA – CFO

Directors

Ivan Bebek

Shawn Wallace

Michael Kosowan, M.A.Sc, P.Eng

Antonio Arribas, PhD, MSc

Steve Cook, LLB

Gordon J. Fretwell, LLB

Jeffery Mason, CPA

Record of Success

Raised over \$650 million since 2005 and monetized two exploration successes

ASANKOGOLD **Producing**
(Formerly Keegan Resources)

Clayden RESOURCES **SOLD**
Sold for \$205 million to Agnico Eagle in 2014

AURYN
RESOURCES

Exploring

World-Class, Multidisciplinary Technical Team



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

Technical Advisor

Former Chief Geologist at
Cayden Resources and
Keegan Resources

Miles McAlister

Technical Advisor

Former Exploration & Business
Development Manager for
Newmont (Africa/Europe)

Miguel Cardozo

Technical Advisor

Prominent Peruvian
Exploration Specialist

Kim Cook

Geophysicist

Former Global
Geophysicist Newmont
& Anglo

Mike McMillan

Research Inversions

Geophysicist (CGI – UBC)

Former Global Geophysicist
Newmont

Nigel Radford

Geochemist

Former Chief Geochemist
Newmont

Ralph Stea

Quaternary Geologist

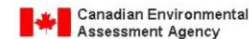
Former Surficial Geologist &
Geochemist with Nova Scotia
Department of Natural
Resources

Jason Quigley

Aboriginal and Regulatory Affairs

Formerly ran the
Canadian Environmental
Assessment Agency for
Western Canada

Former Employers of the Technical Team



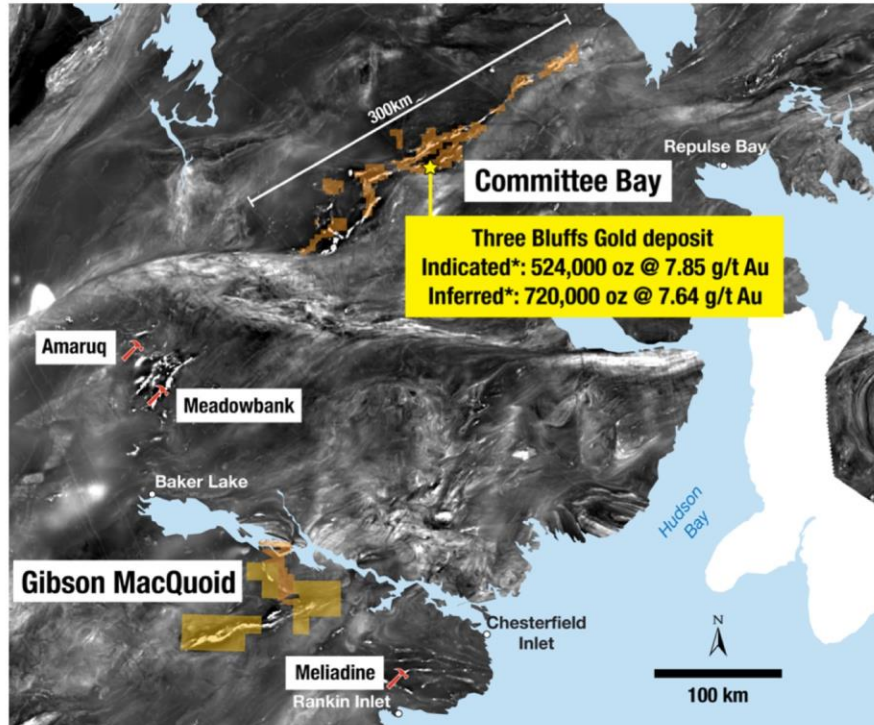
Committee Bay – Nunavut, Canada

Exploring one of the largest high-grade gold belts in the world.



300km High-Grade Gold Belt

- Over CAD\$50 million spent to-date by Auryrn (CAD\$100 million by predecessors)
- Numerous high-grade gold discoveries identified along 300km land position
- **Use of machine learning**
- *Exploration infrastructure in place and fuel for 25k meters of drilling*

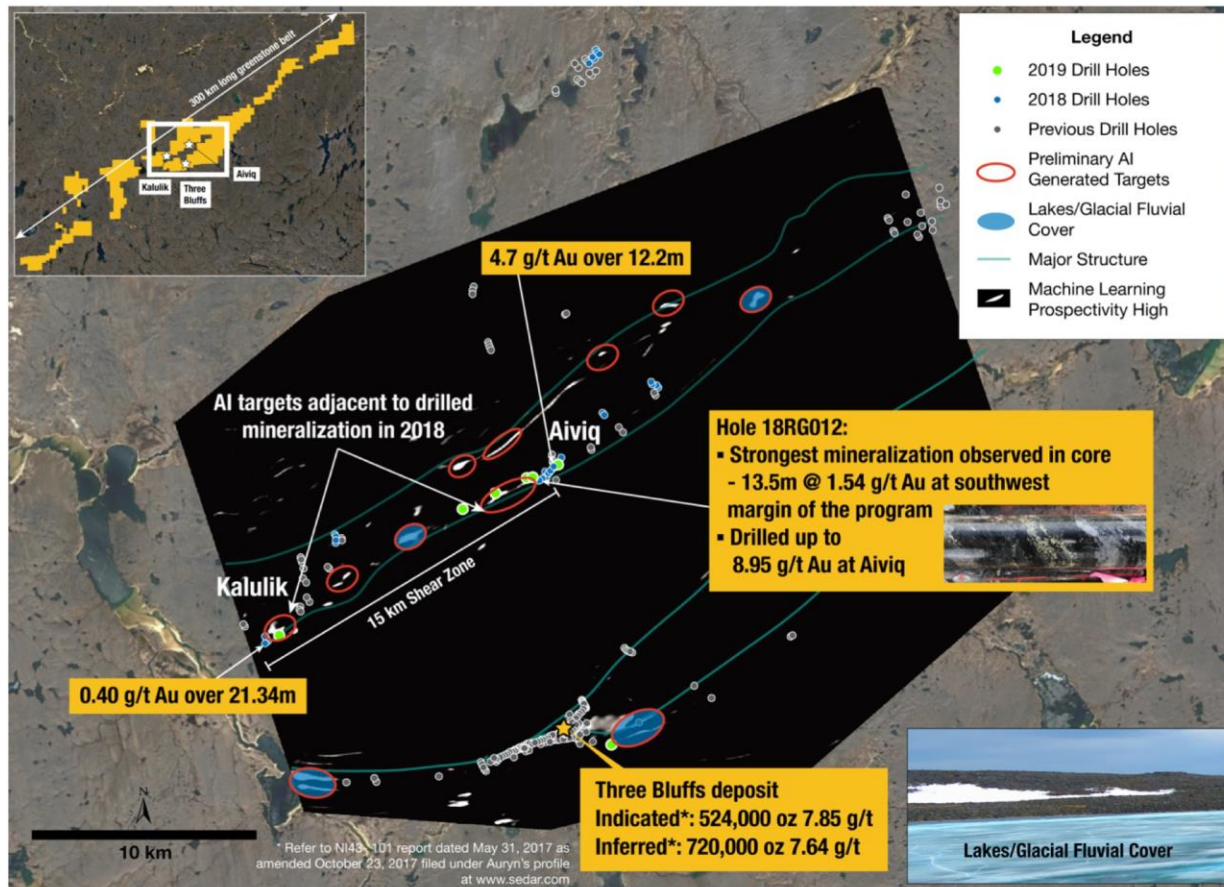


* Refer to NI43-101 report dated May 31, 2017 as amended October 23, 2017 filed under Auryrn's profile at www.sedar.com

Three Bluffs Playing Field – 2019 Drilling – *Results Pending*

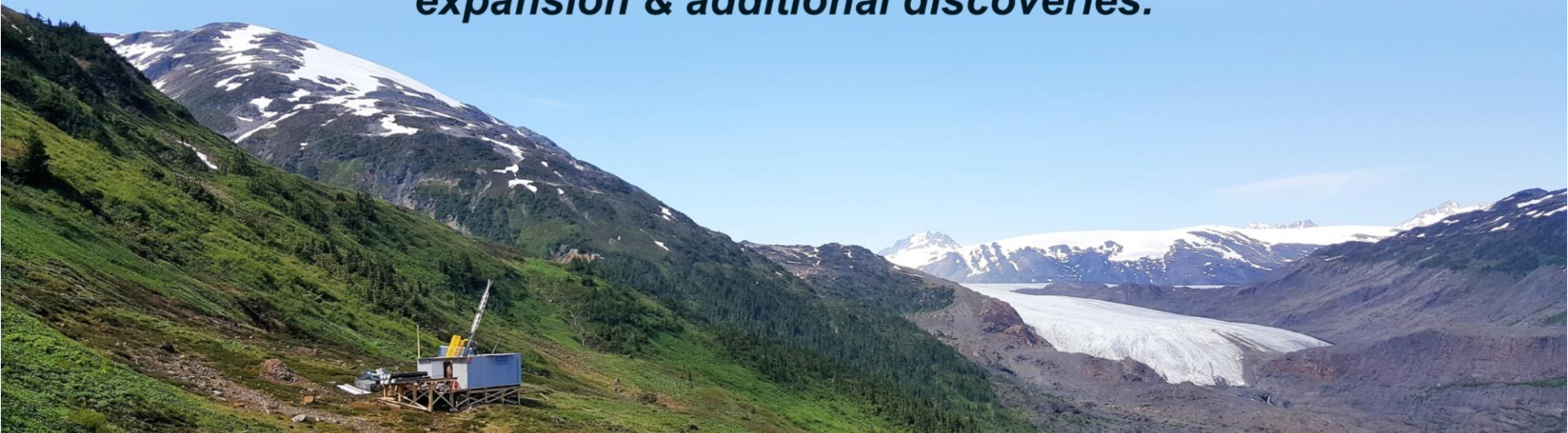
- Program focused on 2018 extensions at Aiviq as well as 2 pilot holes on AI targets
- 2019 drilling: 7 holes, 2,700 meters

Results expected mid October



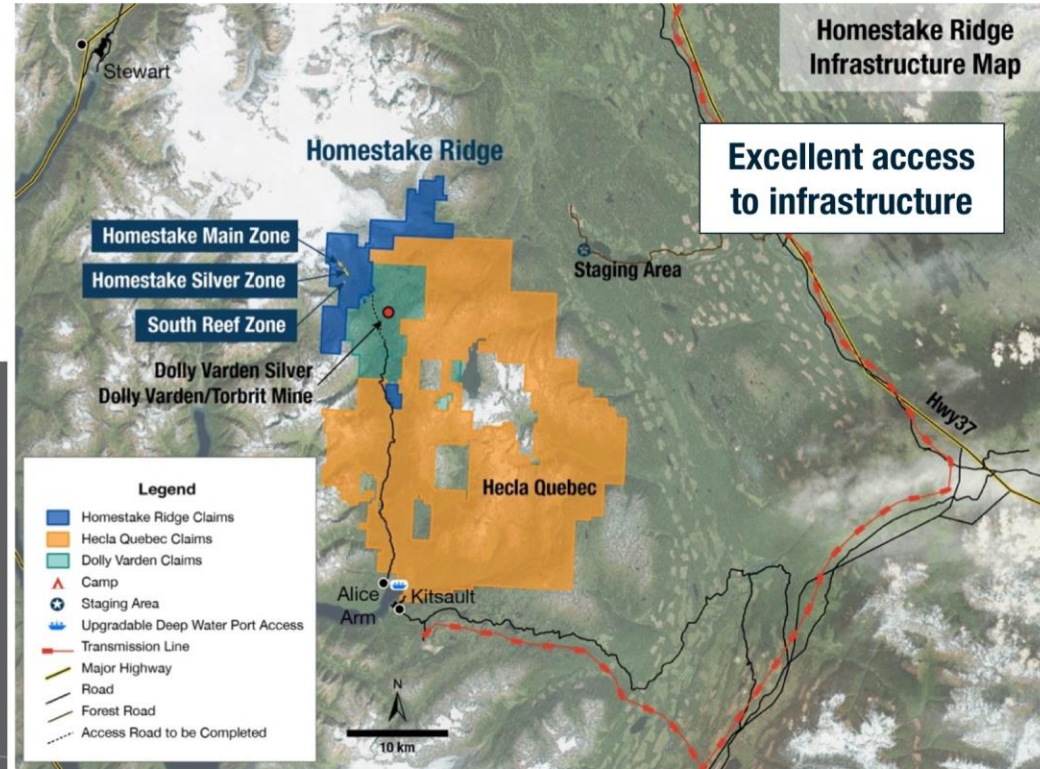
Homestake Ridge – Golden Triangle, BC

A high-grade gold and silver resource with opportunity for expansion & additional discoveries.



Homestake Ridge

- **High-grade gold-silver resources** located within the Golden Triangle in Central BC
- **CAD\$85 million** spent to date, **CAD\$10 million** by AuryN since 2016
- **AuryN Milestones:**
 - **Considerably improved metallurgy**
 - **Discovered South Reef Expansion** in 2017
 - **Drilled South Reef Expansion**



Metallurgy and Resource

Homestake Main Zone

Process	Concentrate Grade (g/t or %)	Recovery %
Cu Flotation – Au	387.0 g/t	55%
Cu Flotation – Ag	652.0 g/t	45%
Cu Flotation – Cu	25.7%	75%
Combined – Au recovery (after cyanidation)		84%
Combined – Ag recovery (after cyanidation)		72%

Homestake Silver Zone

Process	Concentrate Grade (g/t or %)	Recovery %
Pb Flotation – Au	789.0 g/t	65%
Pb Flotation – Ag	12,100.0 g/t	50%
Pb Flotation – Pb	26.5%	70%
Combined – Au recovery (after cyanidation)		88%
Combined – Ag recovery (after cyanidation)		73%

* Au and Ag values shown in g/t, all other elements are reported in percent

Combined Main Homestake, Homestake Silver and South Reef – September 2017 Resources

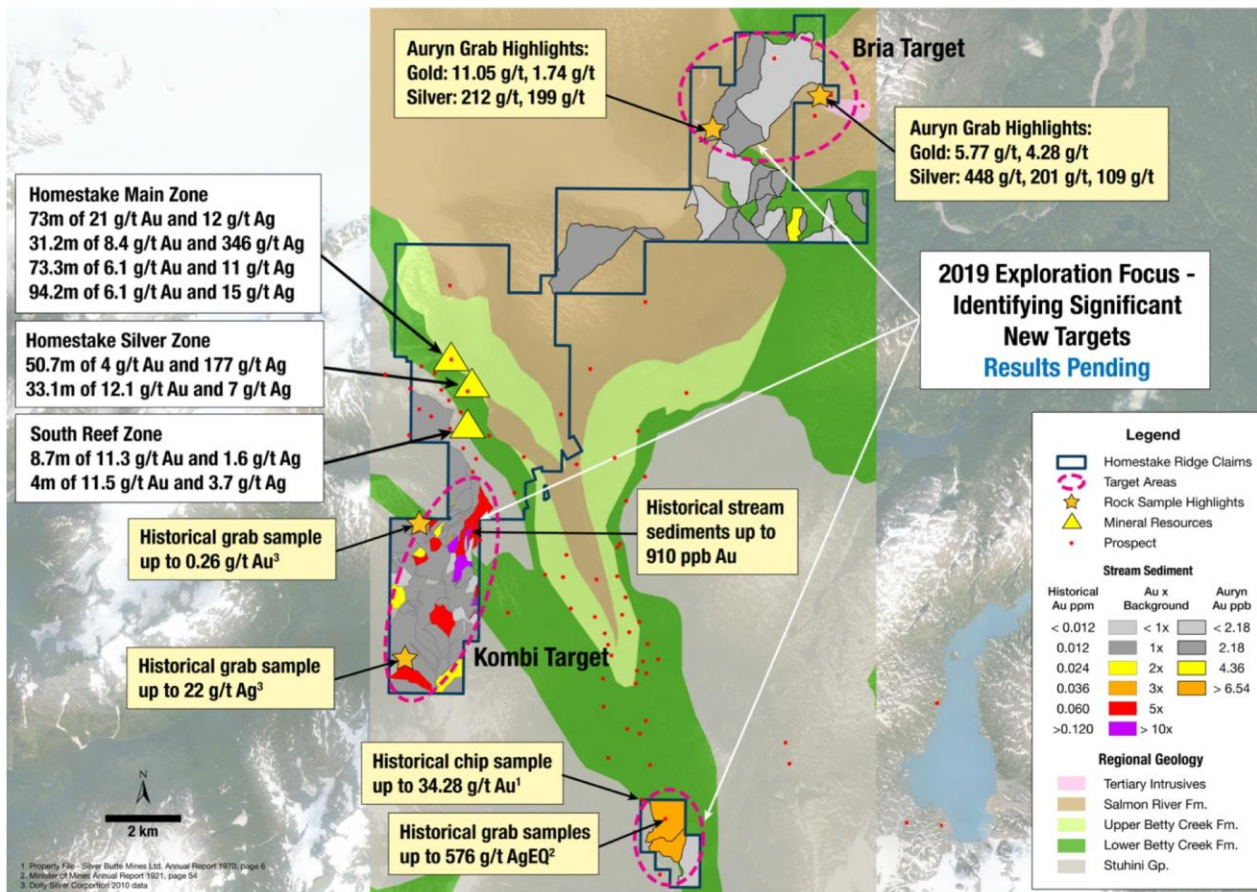
Cut-off (g/t AuEq)	Tonnage (Mt)	Gold (g/t)	Gold (oz)	Silver (g/t)	Silver (M oz)	Copper (%)	Copper (M lb)
Total Indicated							
5.0	0.274	10.44	92,000	86.7	0.8	0.25	1.5
4.0	0.357	8.95	103,000	70.4	0.8	0.23	1.8
3.0	0.482	7.44	115,000	57.1	0.9	0.21	2.2
2.0	0.624	6.25	125,000	47.9	1.0	0.18	2.4
1.0	0.666	5.93	127,000	46.3	1.0	0.17	2.5
Total Inferred							
5.0	2.283	7.91	581,000	164.5	12.1	0.15	7.7
4.0	3.170	6.64	676,000	138.3	14.1	0.13	9.2
3.0	4.522	5.38	783,000	117.1	17.0	0.11	11.3
2.0	7.245	4.00	932,000	90.9	21.2	0.11	16.9
1.0	8.169	3.67	964,000	85.7	22.5	0.10	18.2

The Mineral Resource estimate prepared by RPA for the Homestake deposit as of September 29, 2017. Notes:

- CIM definitions were followed for Mineral Resources
 - Mineral Resources are estimated at a cut-off grade of 2.0 g/t AuEq
 - Assumptions to calculate AuEq values are described below in the text of this report
 - Mineral Resources are estimated using a long-term gold price of US\$1,300 per ounce, and a US\$/C\$ exchange rate of 1.2
 - A minimum horizontal width of two metres was used
 - Bulk density ranges from 2.66 t/m³ to 2.85 t/m³ depending on the domain
- The Homestake Ridge project is subject to a 2% NSR of which, on a portion of the property, this NSR is buyable for \$1,000,000 at anytime
- Cautionary note to United States investors concerning estimates of measured, indicated and inferred resources estimates, please see Disclaimer in this presentation

Cut-off (g/t AuEq)	Total AuEq (g/t)	Total AuEq (000 oz)
3.0	7.41	1188

Looking for New Discoveries in the Golden Triangle



Sombrero – Southern Peru

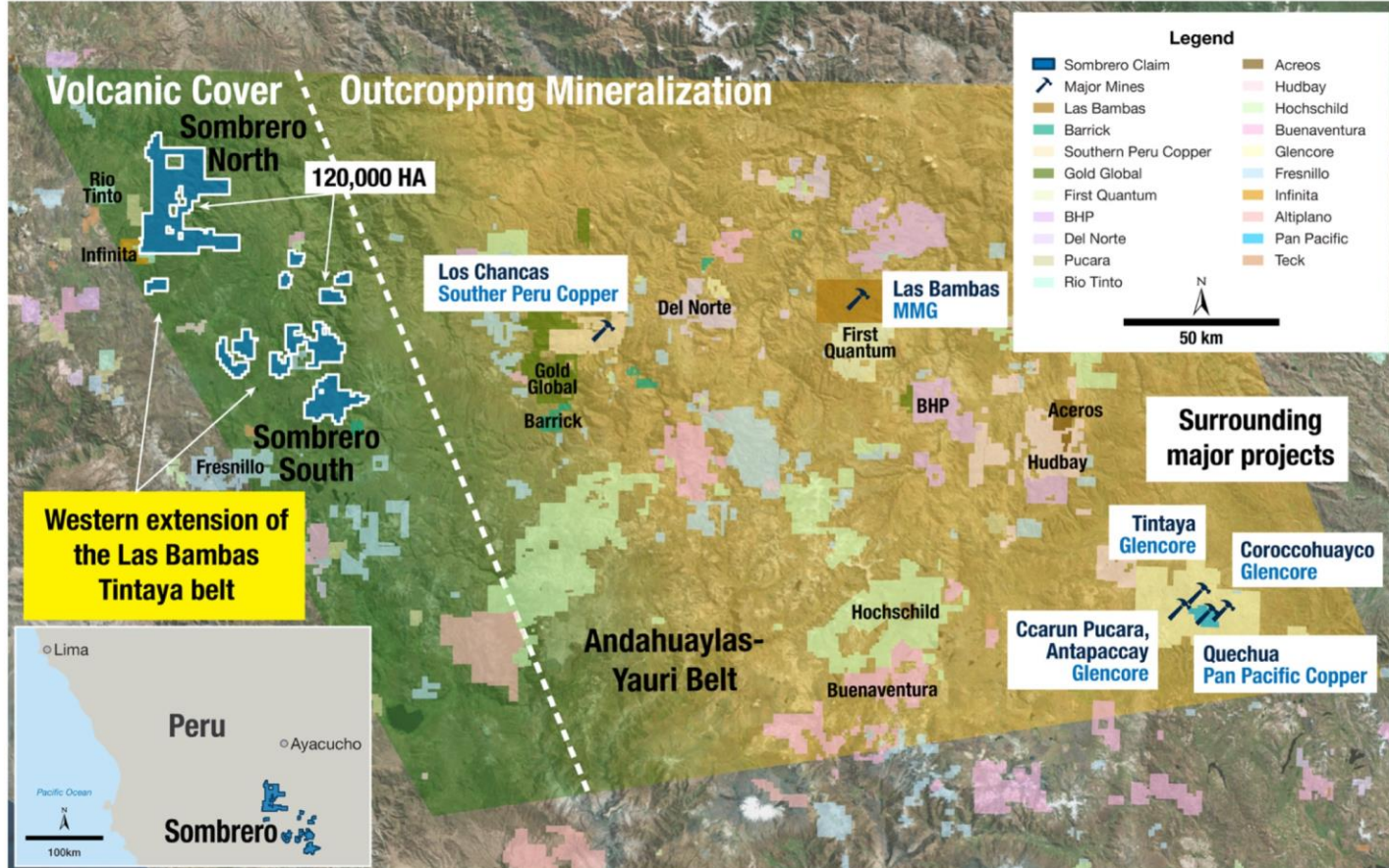
Major copper-gold skarn, porphyry and epithermal opportunities

“Sombrero is the best pre-drilling project many of us have seen in our careers.”

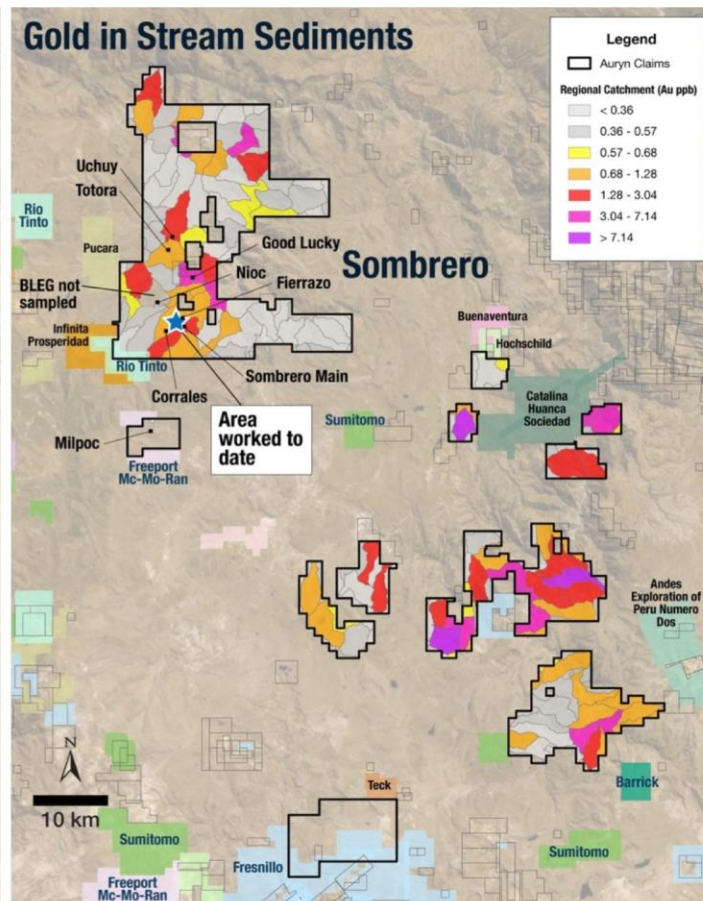
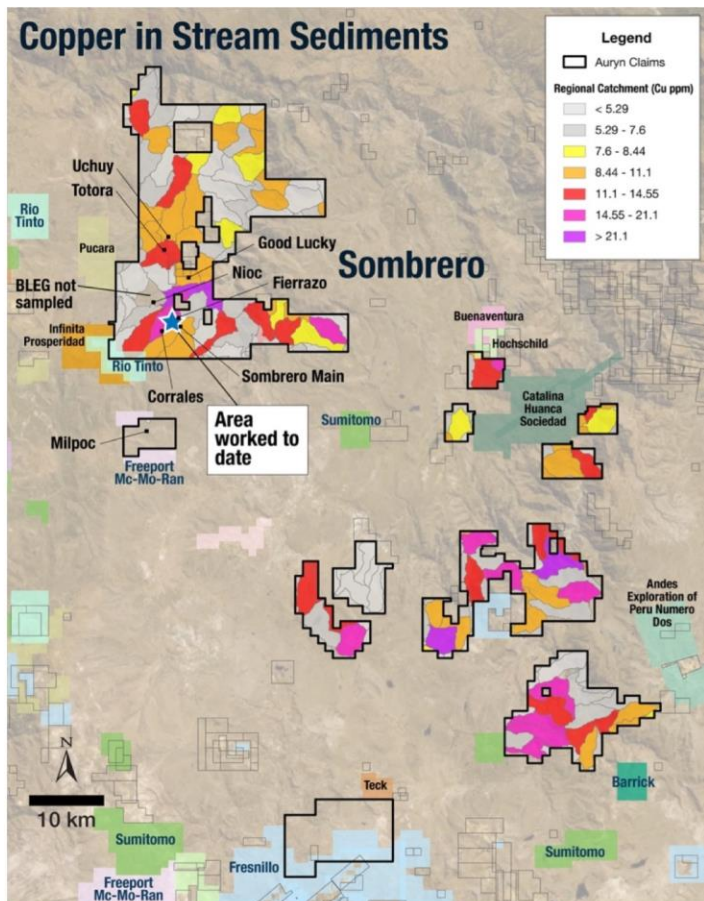
Michael Henrichsen
COO & Chief Geologist



Discovering the Western Half of the Andahuaylas-Yauri Belt

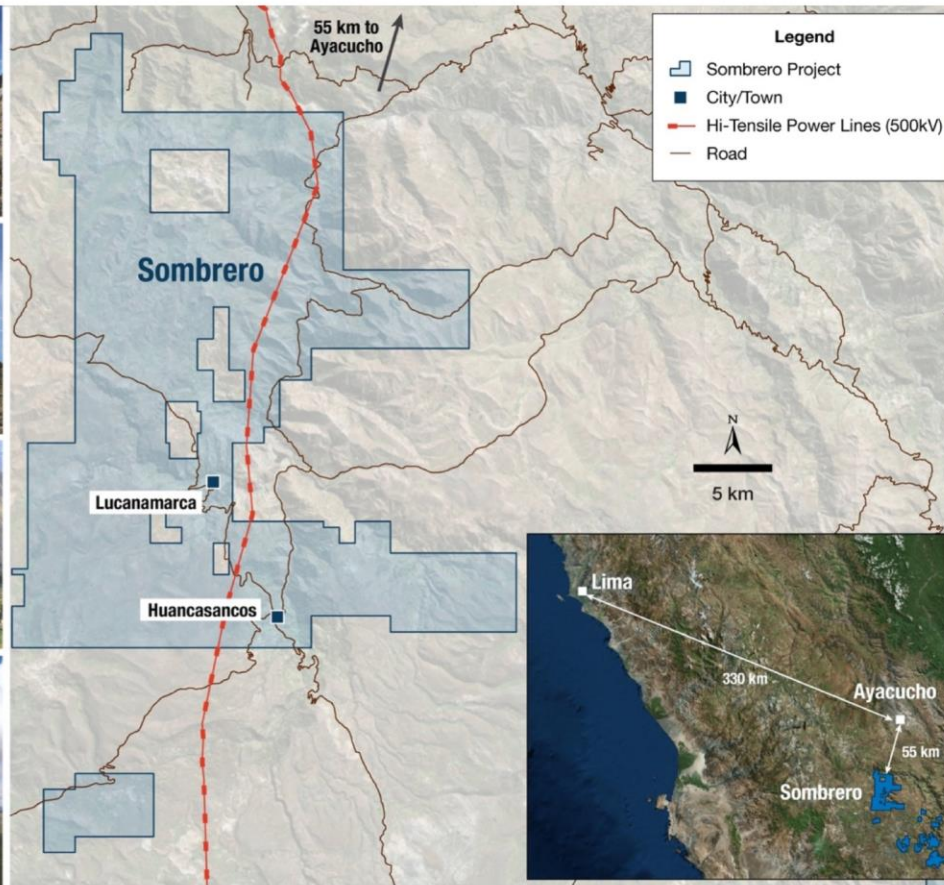


120,000 Hectares with Copper and Gold

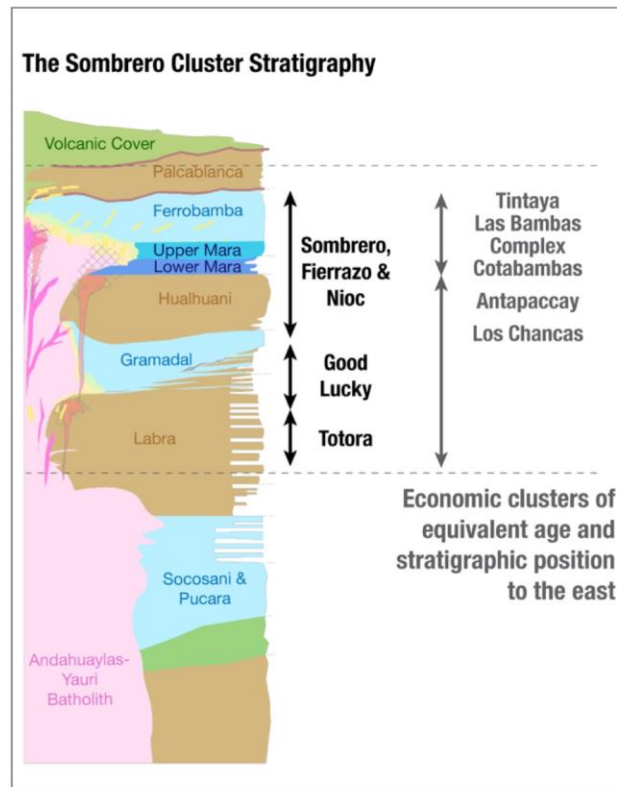
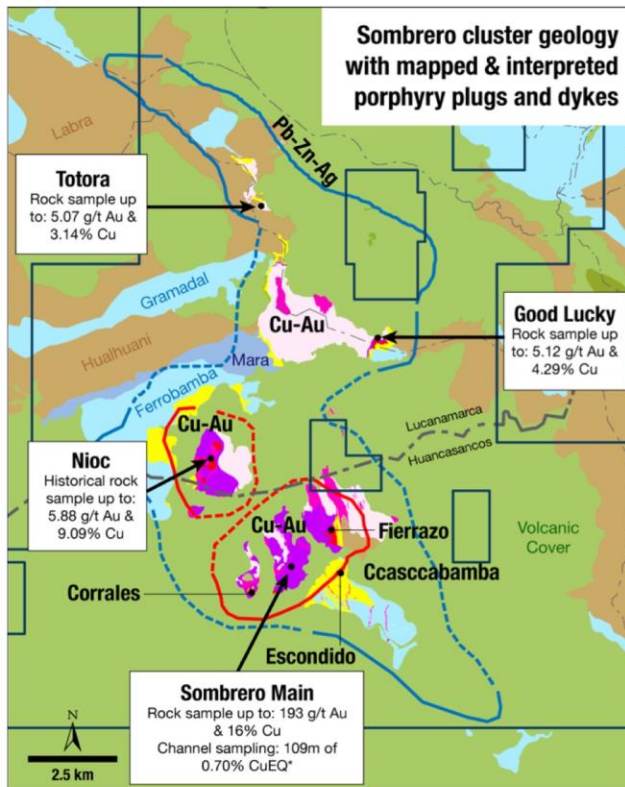


Result of screening 7,000 km²

Exceptional Infrastructure



18km x 6km Geochemical Footprint – Analogous Geology to Nearby Major Mines

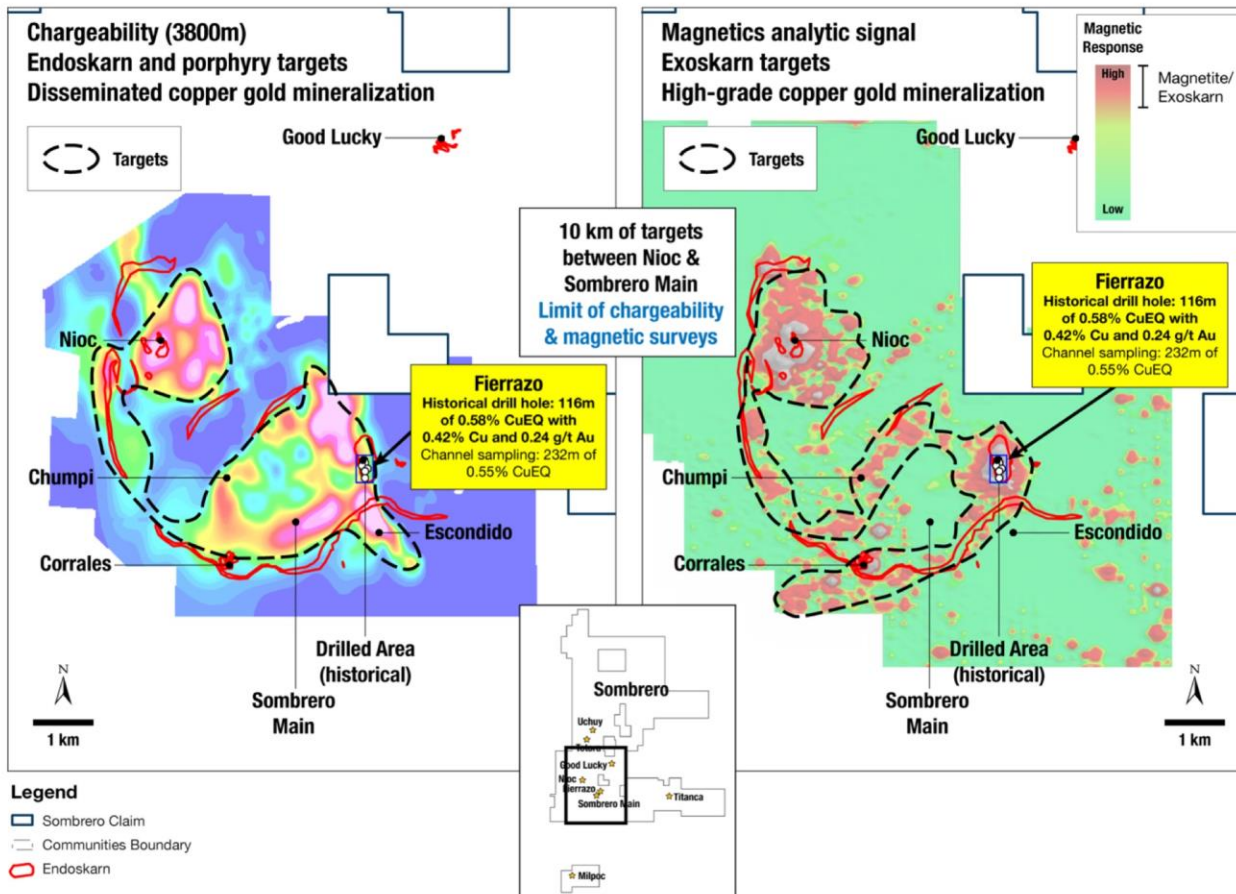


Legend

- Sombbrero Claim
- Intrusive Porphyritic
- Endokarn
- Exoskarn
- Marble & Wollastonite
- Communities Boundary

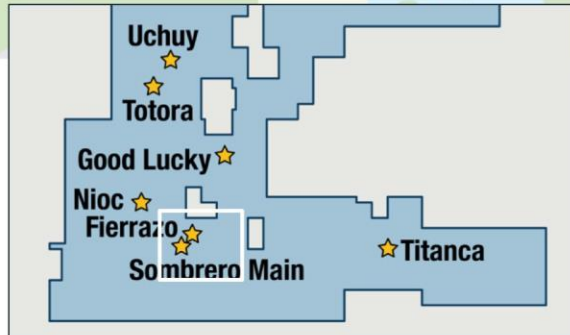
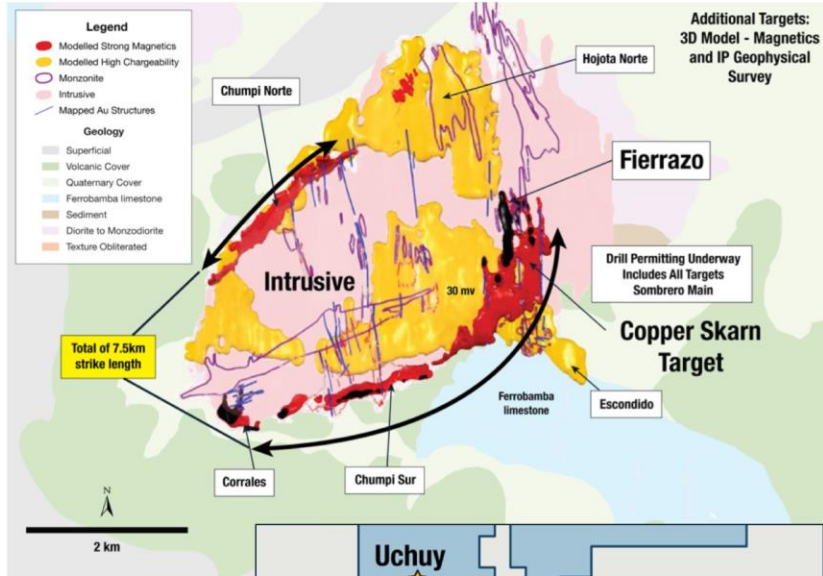
- Cu-Au** ICP 3x background (Au > 3ppb)
- Mapped** (Cu > 46ppm)
- Interpreted** (Cu > 38ppm)
- Zn-Pb** pXRF >2.5x background (Zn > 98ppm)
- Mapped** (Pb > 15ppm)
- Interpreted** (Pb > 15ppm)

Sombrero Main & Nioc Chargeability & Magnetics

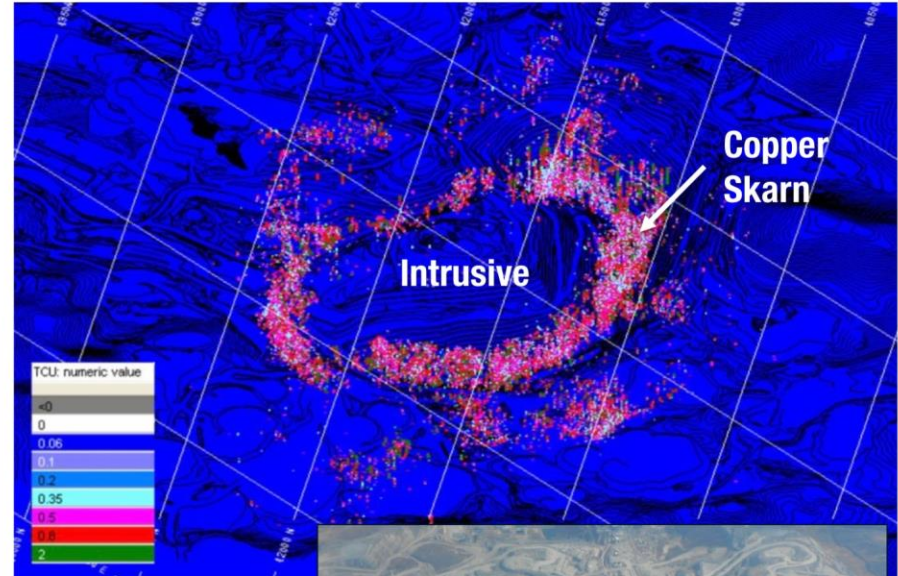


Sombrero Main Target vs. Tintaya Analogue

Sombrero Main



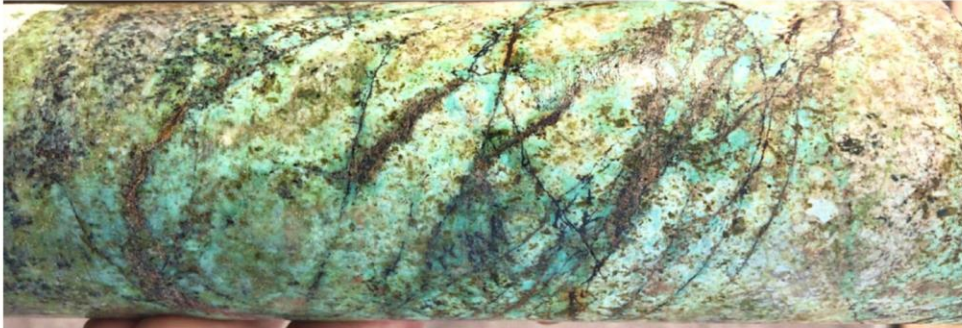
Tintaya



Fierrazo Historical Core – Exoskarn and Endoskarn

Endoskarn – Oxide Mineralization Ccasccabamba Diorite Sill: Drill Hole FE-DDH-03B

30.4-51.4m: 21m of 0.50% CuEQ (0.50% Cu and 0.01 g/t Au) Oxide Endoskarn mineralization in Ccasccabamba Diorite Sill.



At 33m: 1.32% Cu and 0.03 g/t Au in Ccasccabamba – Hematite vein stockworks with malachite staining at their margins.

Exoskarn – Sulphide Mineralization: Drill Hole FE-DDH-03A

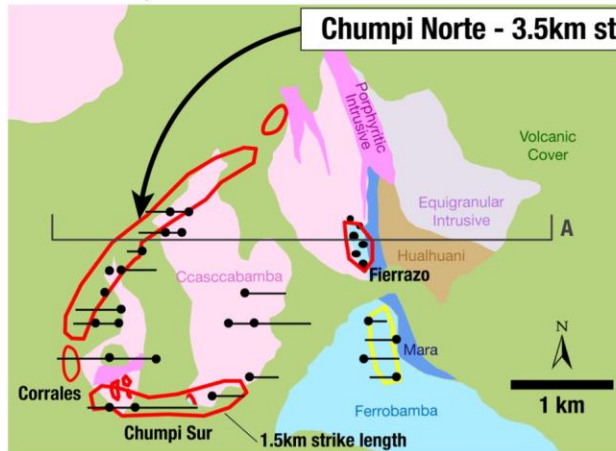
64-98m: 34m of 0.25% CuEQ (0.20% Cu and 0.09 g/t Au) Mixed Sulphide Zone in Magnetite Exoskarn (Upper Mara).
Coincident Magnetic and Conductivity Responses



At 62m: 1.35% Cu and 0.54 g/t Au Massive magnetite with disseminated pyrite in Sulphide Zone.

Initial Drill Plan – 25 Pads Permitting Underway

Drill Plan Map Ccasccabamba



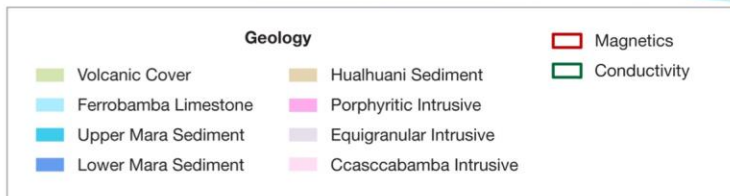
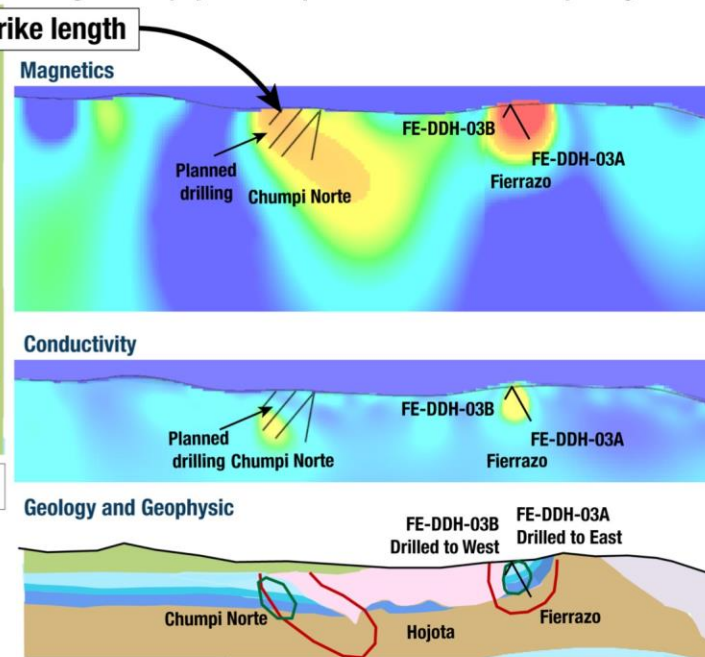
FE-DDH-03A

0-116m: 116m of 0.58% CuEQ with 0.42% Cu and 0.24 g/t Au including:
0-64m: 64m of 0.88% CuEQ

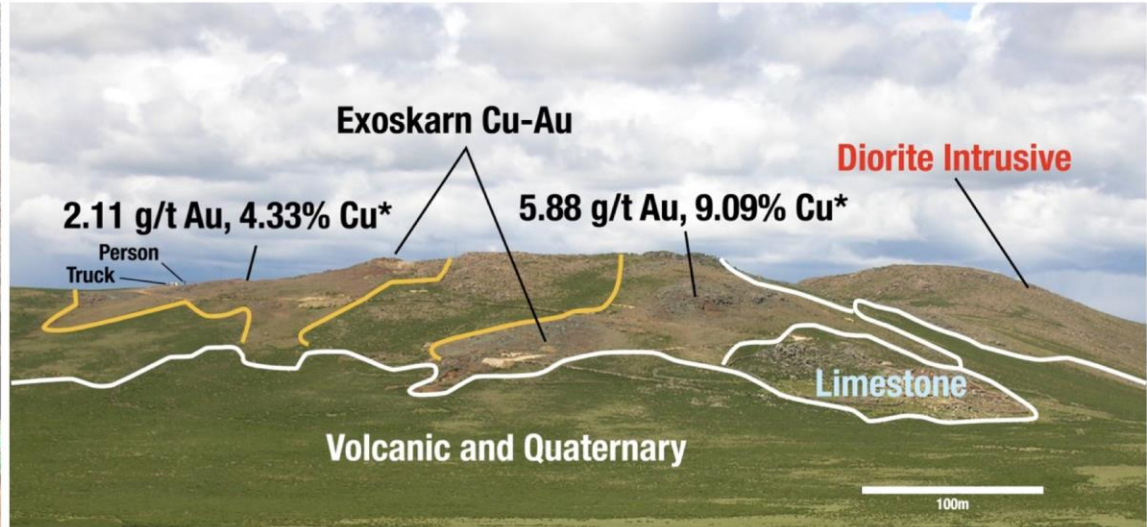
FE-DDH-03B

0.6-51.4m: 50.8m of 0.53% CuEQ with 0.44% Cu and 0.15 g/t Au

Analogous Geophysical Responses: Fierrazo & Chumpi Targets



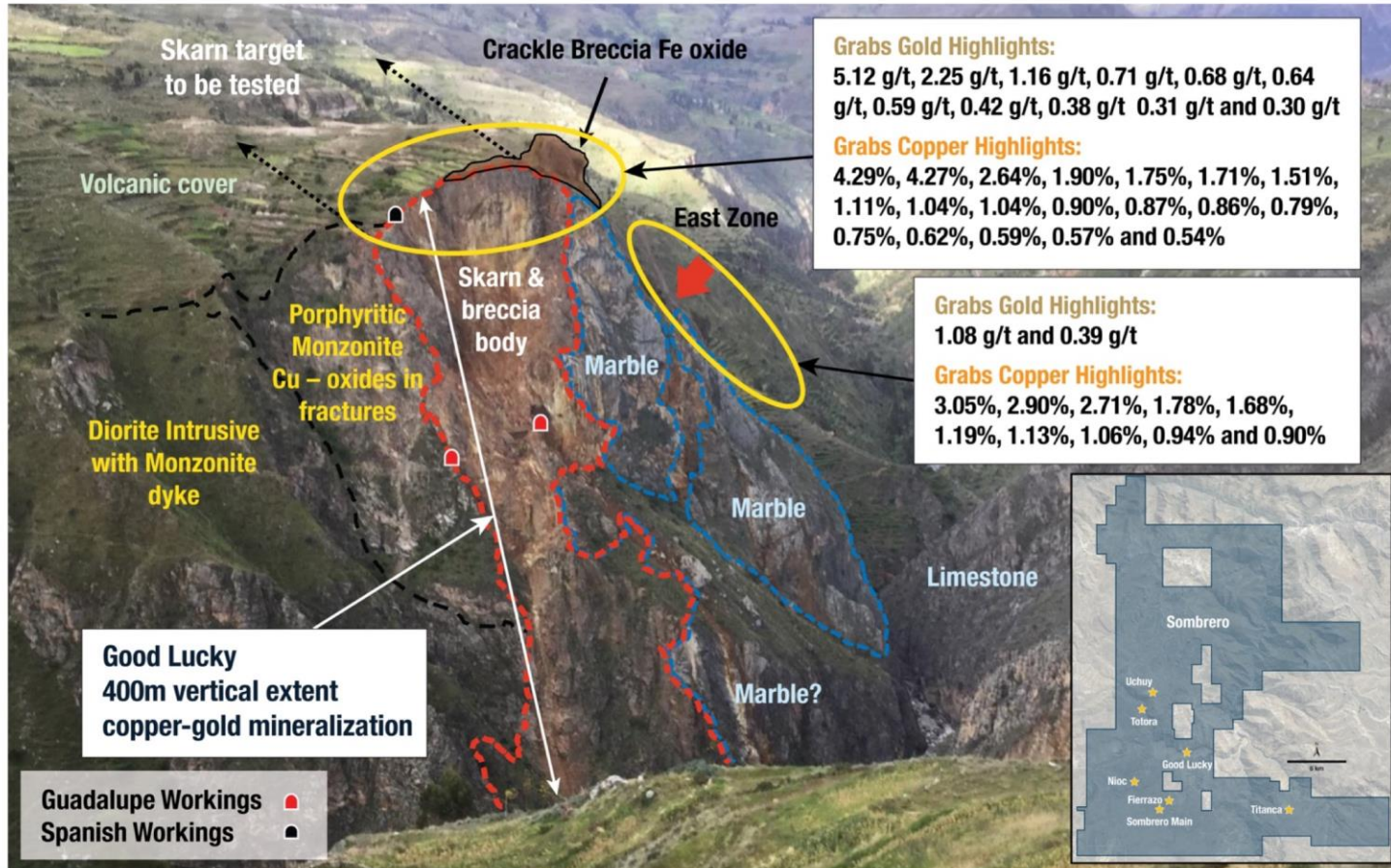
Nioc – High-Grade Copper-Gold



- **Next target to be brought to drill ready stage at Sombrero**
- **Community agreements in process**
- **Historical high-grade copper-gold skarn and porphyry mineralization sampled**

* Grab samples collected by Alturas Minerals, refer to 43-101 report dated June 2010 as filed under Alturas Minerals' Sedar profile at www.sedar.com

Good Lucky – Exposed Skarn, Historical Mining Adits



Totora – Significant Porphyry Opportunity

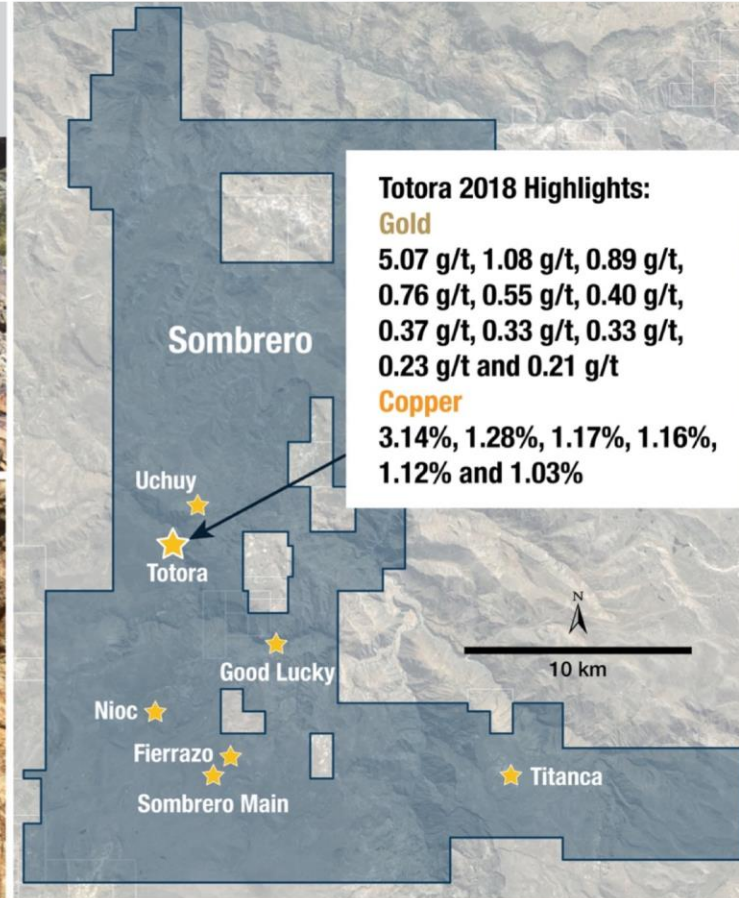
High-grade structure



Altered & brecciated porphyry dyke confirmed porphyry potential in district



50m of Porphyry Outcrop



Permitting Process & Working with Local Communities

There are currently 48 mining projects in line to be developed, worth an estimated **US \$59 billion**

Sombrero Permitting Process



Sombrero Minerales (SM), an Auryn subsidiary, obtained a 2-year community agreement with Huanca Sancos (Feb 2018)

Program Funded:

- Australian lamb breeding program:
 - \$126,000 (SM contribution: **\$12,000** | Peru Govt: \$58,000 | Huanca Sancos: \$56,000)
 - 300 people impacted**
- Weaving program to improve the production and commercialization of sheep meat:
 - \$222,000 (SM contribution: **\$12,000** | Peru Govt: \$147,000 | Huanca Sancos: \$63,000)
 - 3000 people impacted**
- Workshop in the Women’s Weavers Civil Association
 - \$65,000 (SM contribution: **\$5,000** | Peru Govt: \$60,000)
 - 175 people impacted**



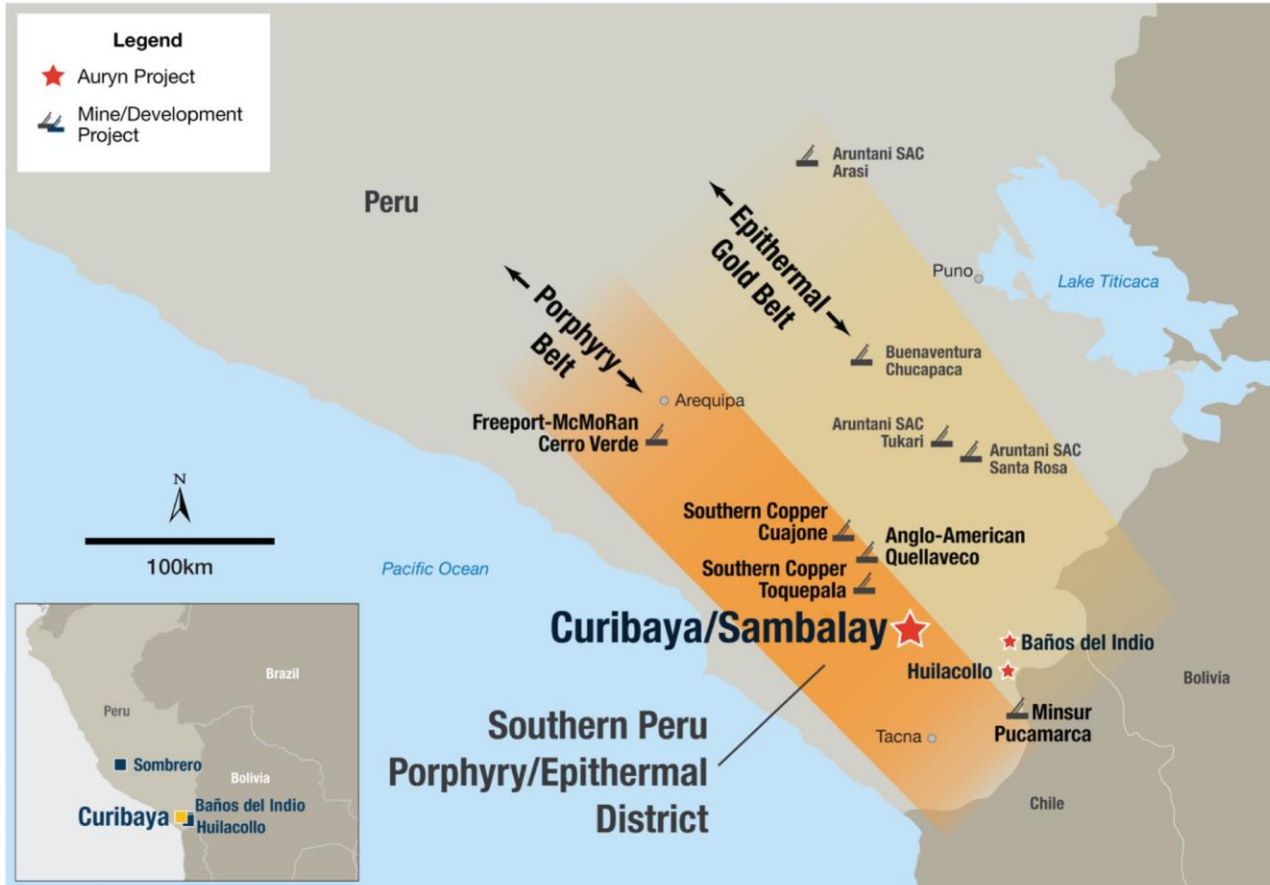
Total investment: Sombrero Minerales: **US \$105,000**
 Peru government: **US \$358,000**
 Community: **US\$119,000**

Curibaya – Southern Peru

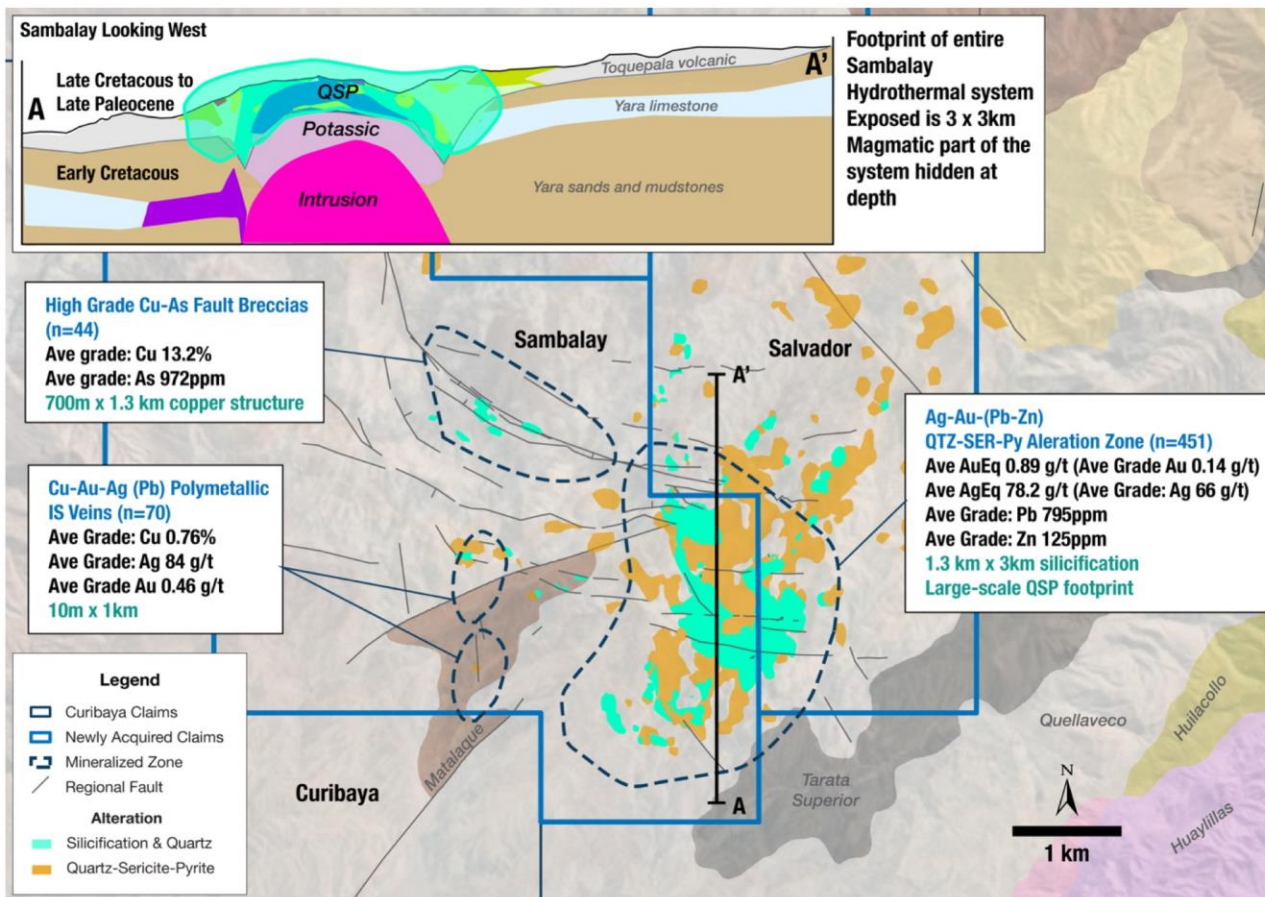
*An abundance of high-grade copper, gold & silver on surface
within a world-class epithermal/porphyry belt.*



Curibaya – Copper Porphyry and Epithermal Targets

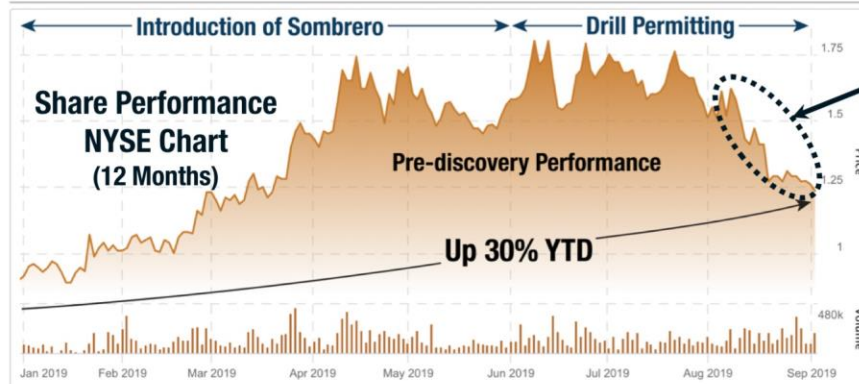


Curibaya – Geochemical Model



Obvious Opportunity for Investors

Firm	Analyst	Target Price
ROTH Capital Partners	Joe Reagor	US\$3.25
CANTOR Fitzgerald	Matthew O'Keefe	US\$2.20
HCW H.C. WAINWRIGHT & CO.	Heiko F. Ihle	US\$2.10
CANACCORD Genuity	Kevin Mackenzie	\$5.00
ECHOLON WEALTH PARTNERS	Ryan Walker	\$4.50
BEACON Securities Limited	Michael Curran	\$3.00
PI FINANCIAL	Philip Ker	\$2.50



Lack of news flow
About to change

Current Price
CAD\$1.65
Market Cap
CAD\$157M
US\$120M

Highly Leveraged to World-Class Precious & Base Metal Discoveries



- ✓ **Committee Bay** – World-class high-grade gold belt
- ✓ **Sombrero** – Multiple major discovery opportunities
- ✓ **Homestake Ridge** – High-grade gold / silver deposit in the Golden Triangle
- ✓ **Curibaya** – High-grade precious and base metal exploration opportunity in a world-class mining belt
- ✓ High degree of optionality

For more information please contact:

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