



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

Pursuing World Class Discoveries

September 2018

Cautionary Notes

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, 2016 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 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 Henrichsen (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.

Active gold exploration portfolio

- 7 projects located in Canada and Peru
- High Grade and Oxide

Key ownership

- Management 15%
- Goldcorp 12.3% (invested approx. \$40 million to date)

Substantial growth upside

- Scalable multi deposit potential

Balanced management team with a record of success

Experienced, Balanced Management Team

Management

Ivan Bebek, Co-founder Executive Chairman, Director

Shawn Wallace, Co-founder President, CEO & Director

Michael Henrichsen, MSc Chief Geologist

Peter Rees, CPA, CA CFO and Corporate Secretary

Russell Starr SVP Corporate Finance

Directors

Ivan Bebek

Shawn Wallace

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

Dan McCoy, PhD

Antonio Arribas, PhD, MSc

Steve Cook, LLB

Gordon J. Fretwell, LLB

Record of Success

Our team has raised over \$500 million and monetized successes in two previous companies

ASANKOGOLD *Producing*
(Formerly Keegan Resources)

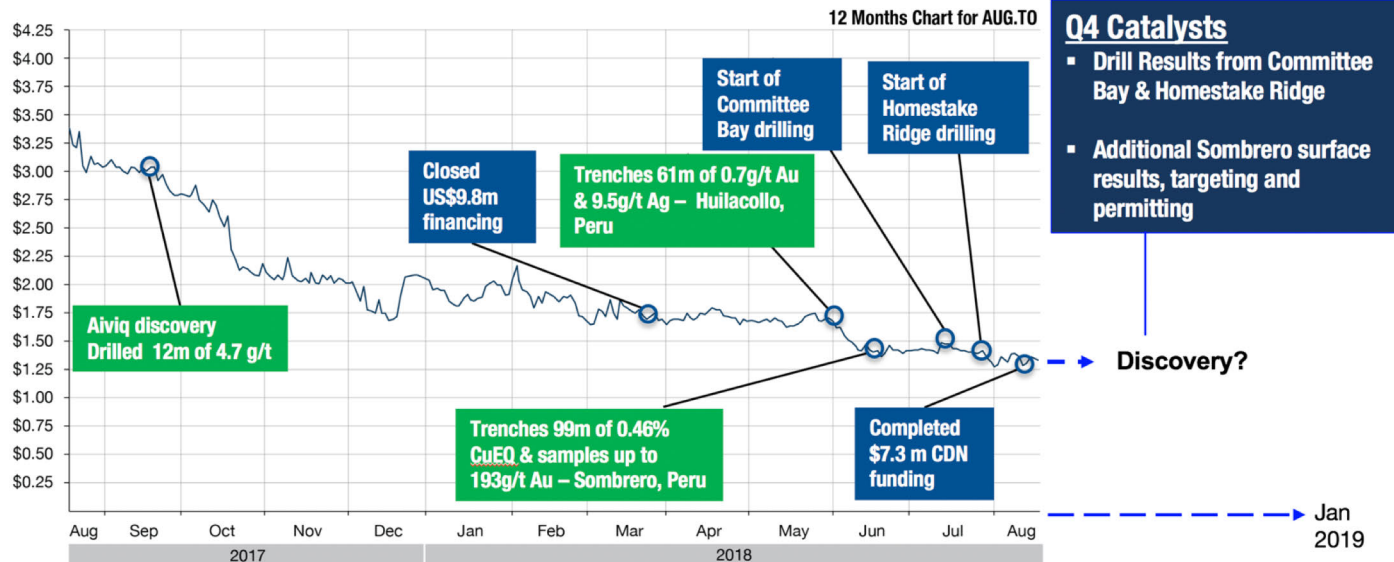
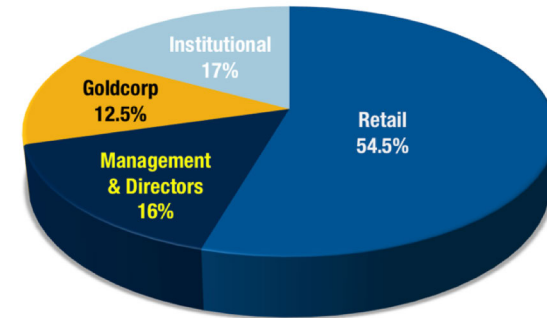
 **SOLD**
Sold for \$205 million to Agnico Eagle in 2014

AURYN RESOURCES *Exploring*

Capital Structure, Ownership, Balanced Budget

Capitalization

Shares Outstanding	90,237,816
Options outstanding (avg. price \$1.83)	6,385,000
Fully Diluted Shares Outstanding	96,622,816
Treasury (As of August 31, 2018)	\$9.5 million



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

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

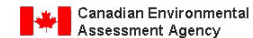
Ralph Stea

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

Companies the technical team formerly worked with



World Class Gold Exploration Portfolio

Homestake Ridge, Canada High Grade Gold

- High Grade gold deposit
- Most advanced asset in Portfolio
- Room for significant expansion

Sombrero, Peru Cu-Au Skarn/Porphyry

- Untested potential Skarn, Porphyry Epithermal district
- Multi kilometer target

Huilacollo, Baños del Indio & Curibaya, Peru Oxide Gold

- Scalable oxide gold, skarn and porphyry targets

Committee Bay, Canada High Grade Gold

- 300km greenstone belt with a High Grade gold deposit

Gibson MacQuoid, Canada High Grade Gold

- 120 km untested greenstone belt
- Multiple targets identified to date



“ Well situated geopolitical locations with a high degree of optionality ”

Nunavut, Canada – Major High Grade Gold Discoveries & Mines

Committee Bay

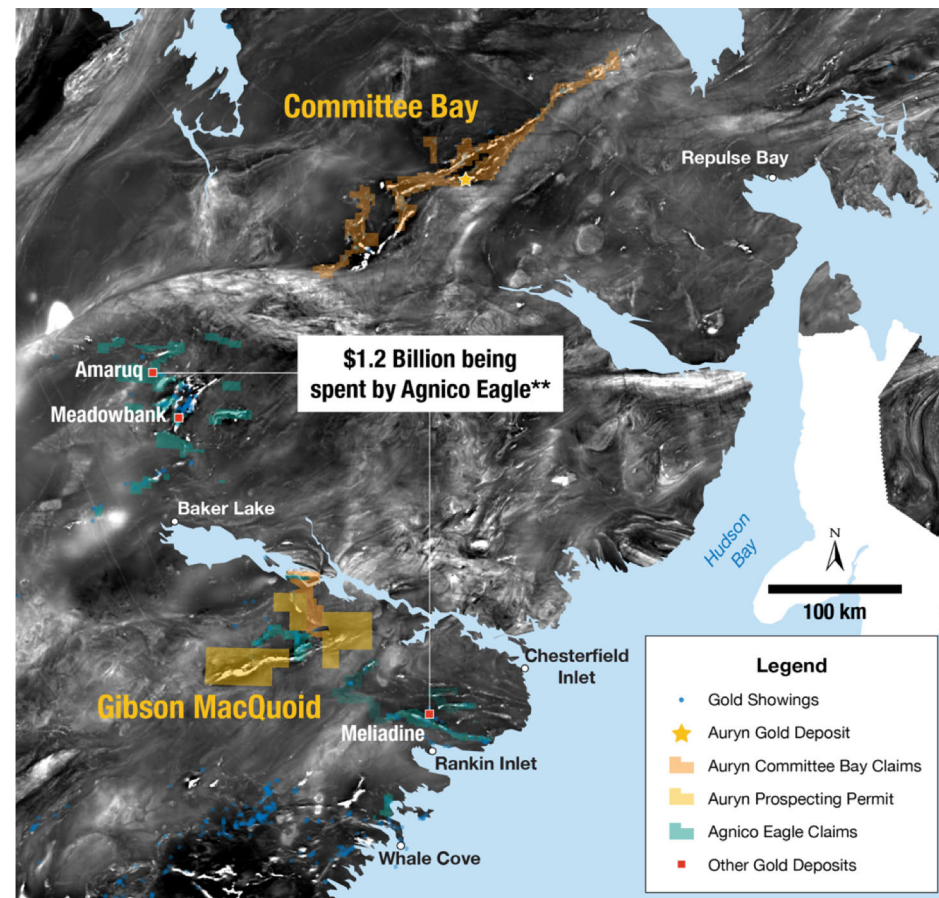
- 300 km strike length
- **Follow up drilling on Aiviq discovery 2018**
Results Pending Q4

Gibson MacQuoid

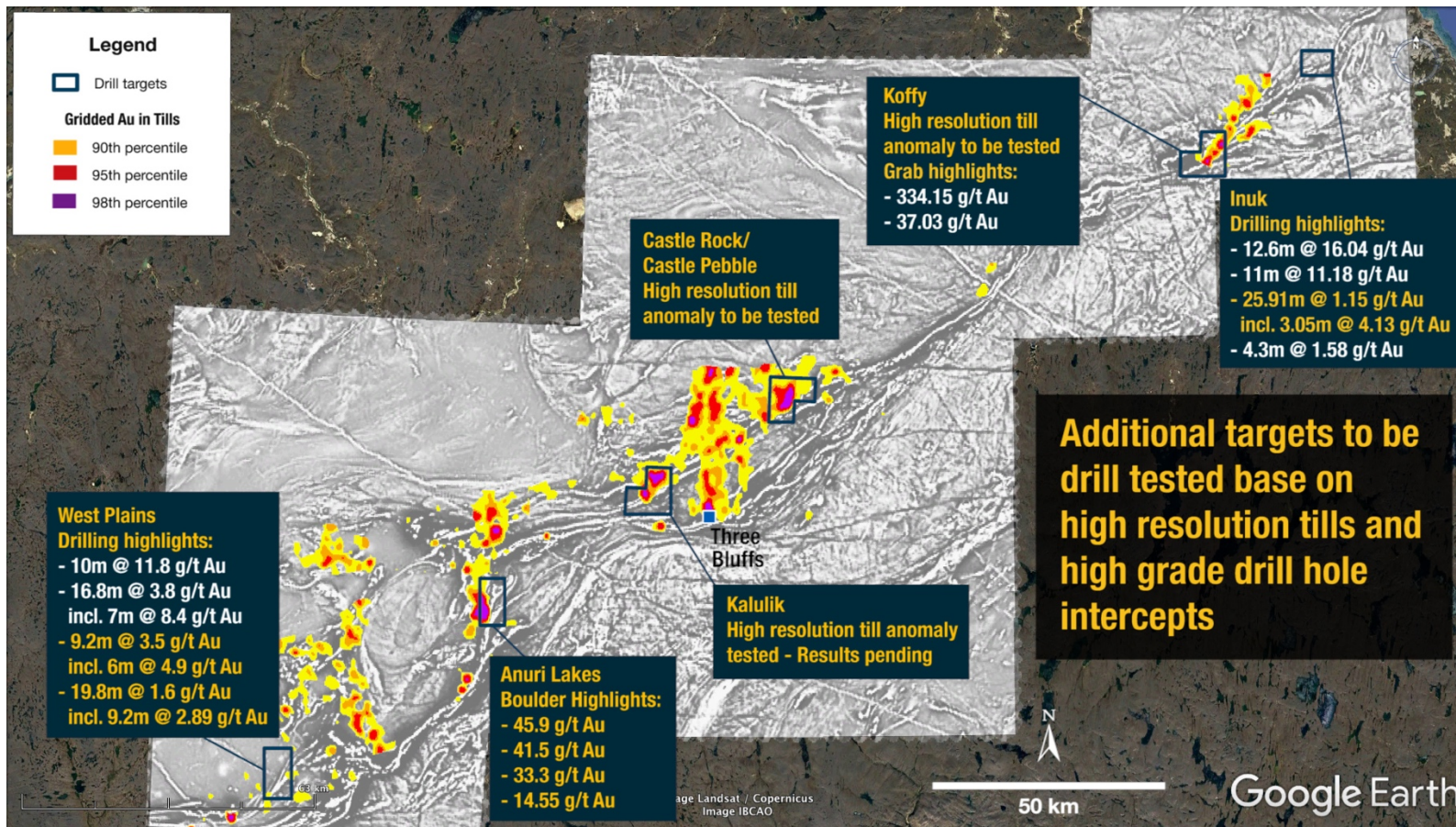
- 120 km long strike length
- **Well situated between major deposits**
- 2018 bring to drill ready status for 2019

Amaruq discovered in 2013, is the most recent +5 million ounce gold discovery in the world.

** Source: Agnico Eagle video, Feb 16, 2017



Committee Bay Key Targets



Committee Bay Snapshot

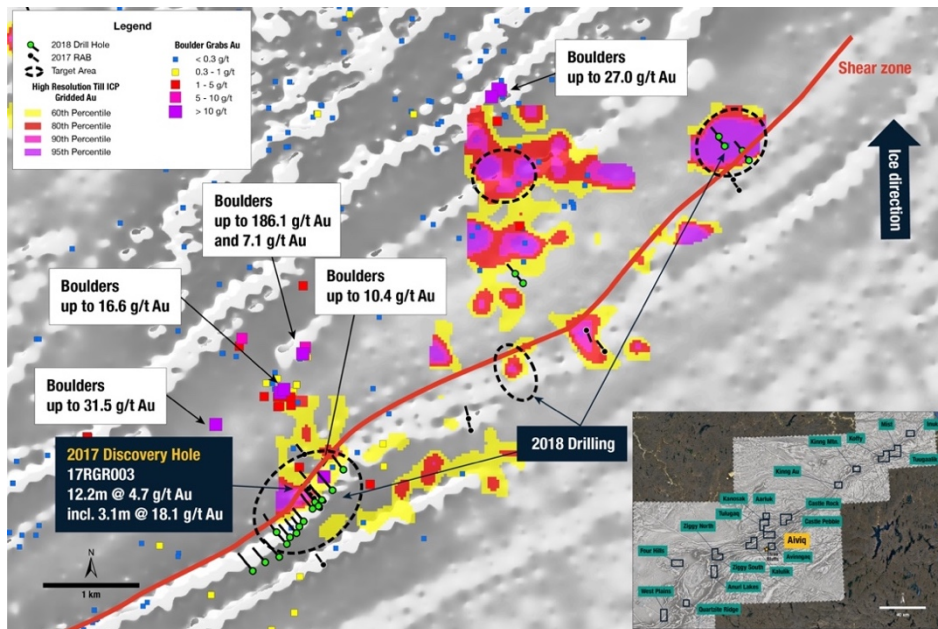
- Over \$100 million spent to date
- Numerous high grade gold discoveries along the 300km belt

Three Bluffs Gold deposit

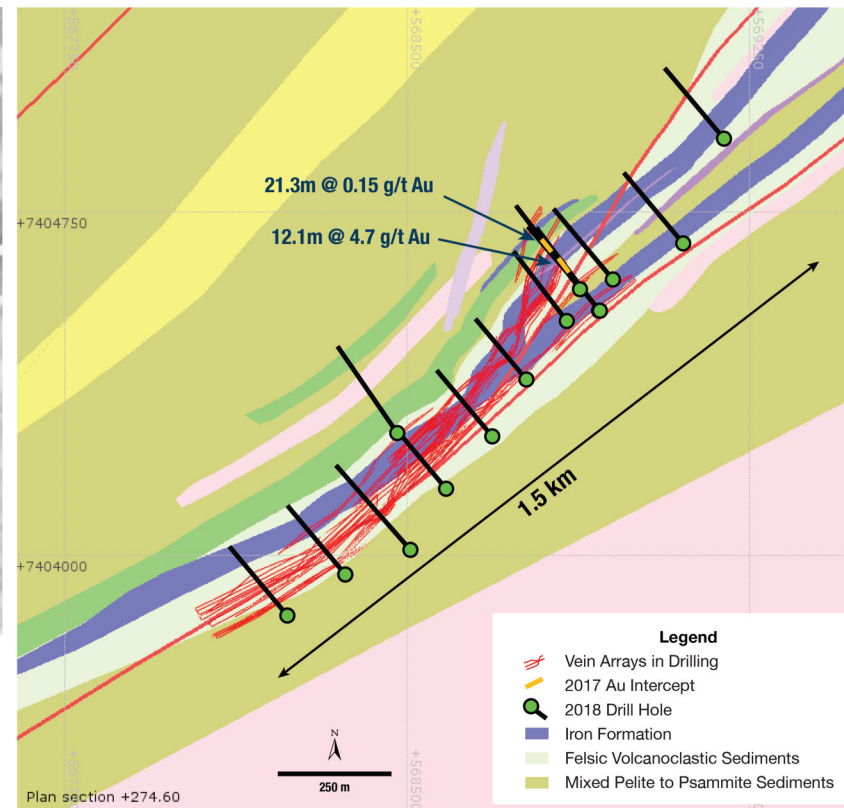
- *Indicated resource**: 524,000 oz @ 7.85 g/t Au
- *Inferred resource**: 720,000 oz @ 7.64 g/t Au
- Exploration infrastructure in place
- *Multi generation discovery potential*



Aiviq Discovery Follow up.... Results Pending

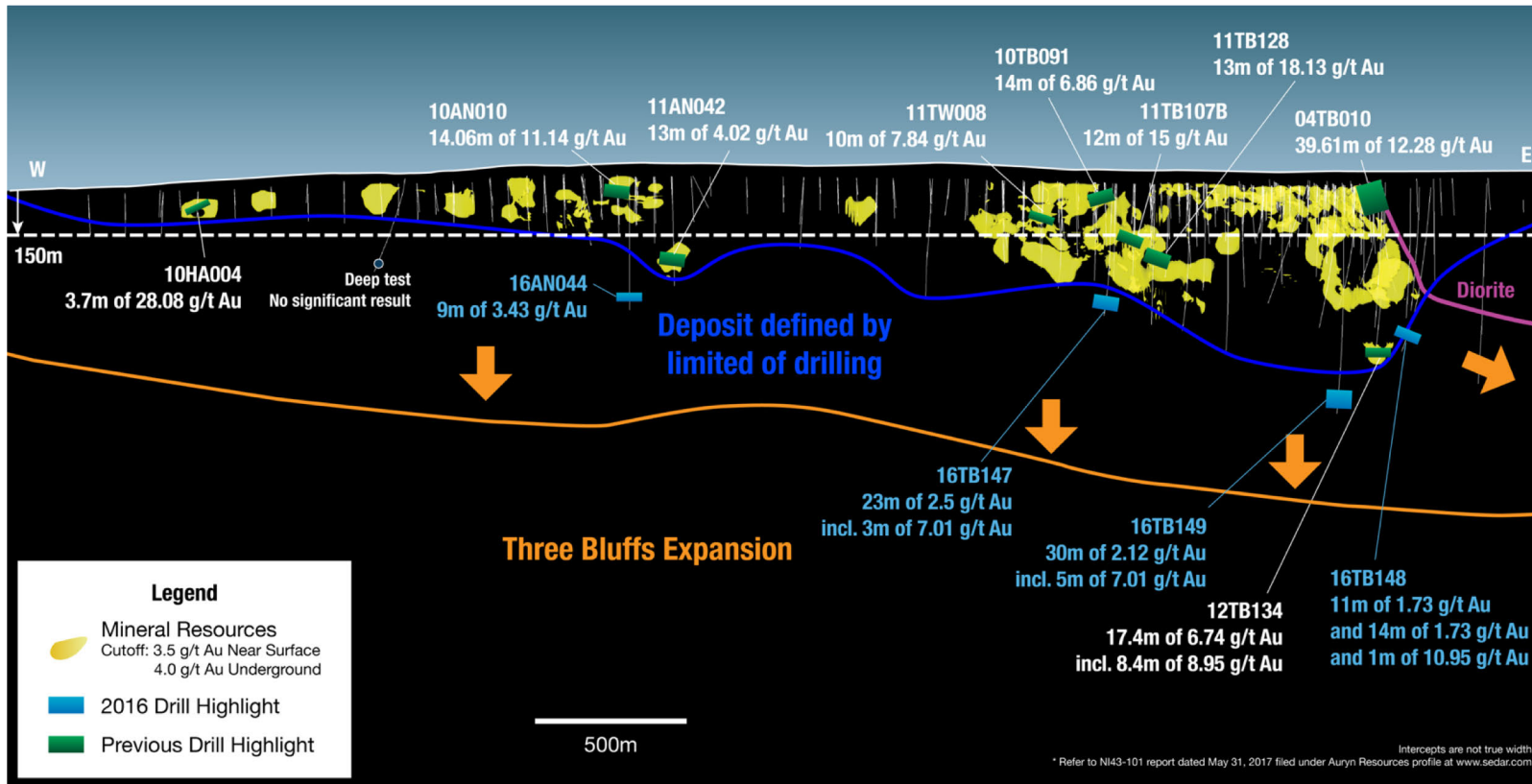


- Located 12km North of the Three Bluffs Deposit and Committee Bay primary infrastructure
- Secondary discovery potential on Aiviq Core drilling follow up completed in 2018 **Results Pending**

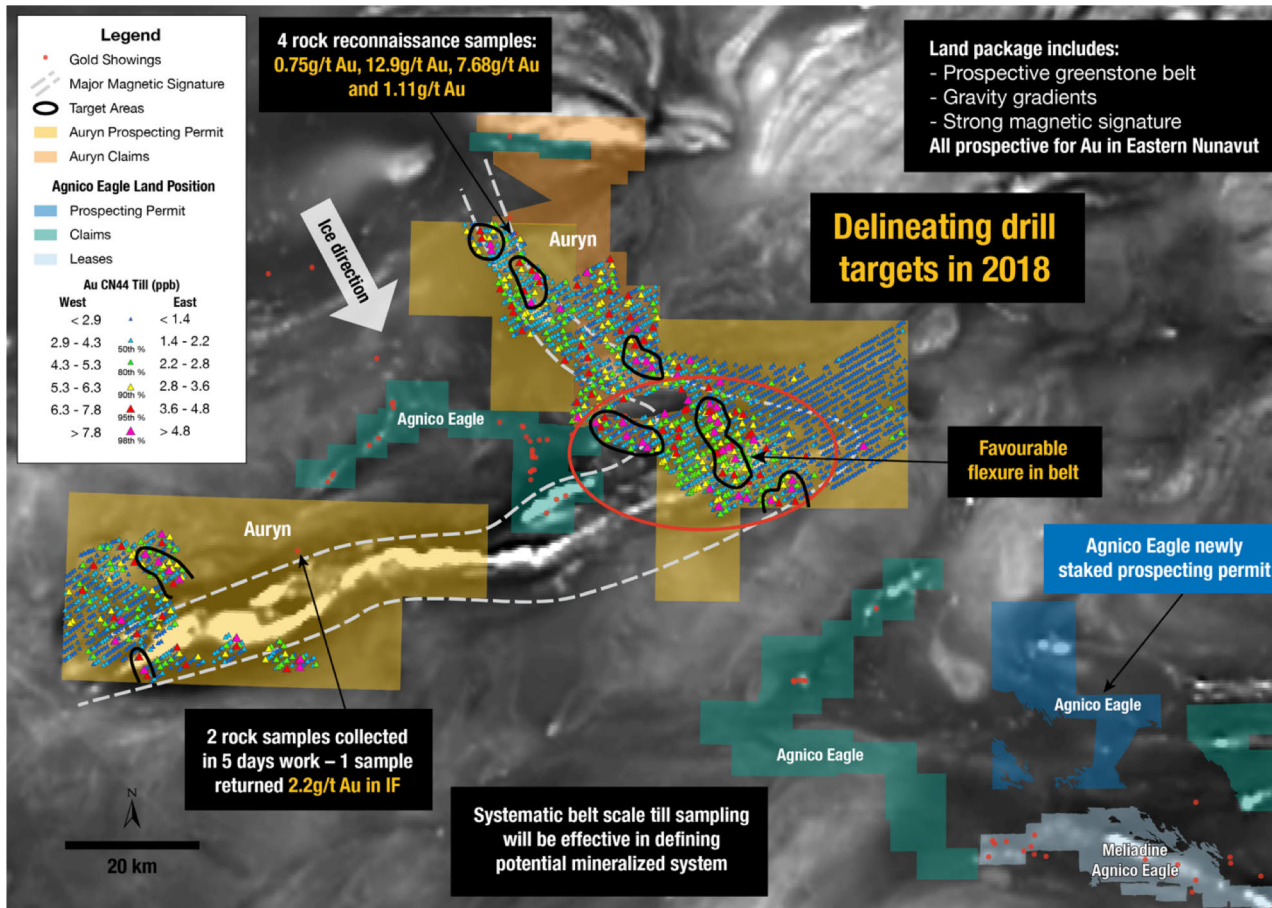


Three Bluffs Long Section

Resource expansion open to depth and along strike



Gibson MacQuoid – Second Major Greenstone Belt



Homestake Ridge

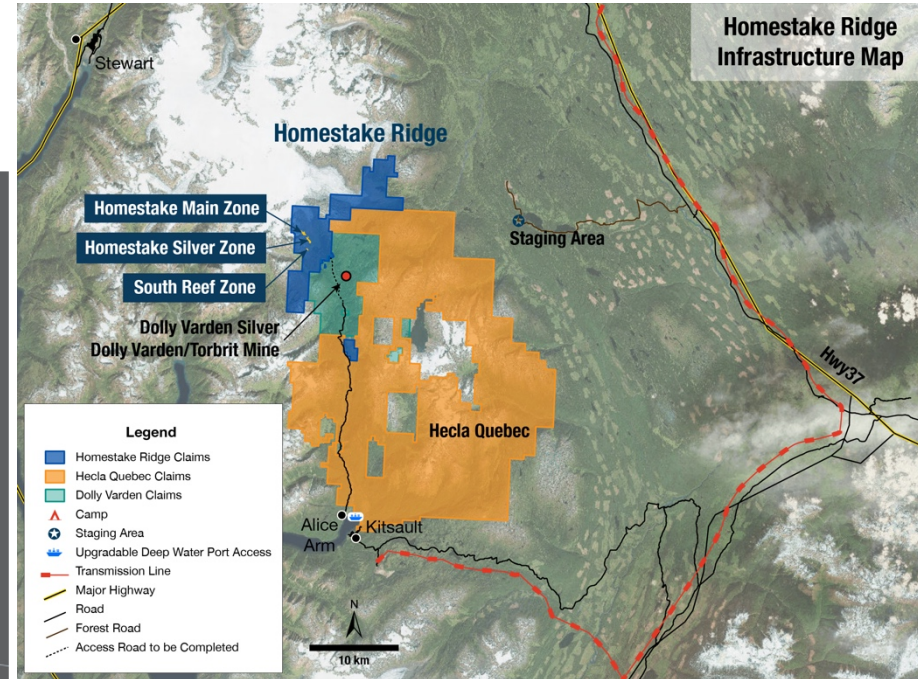
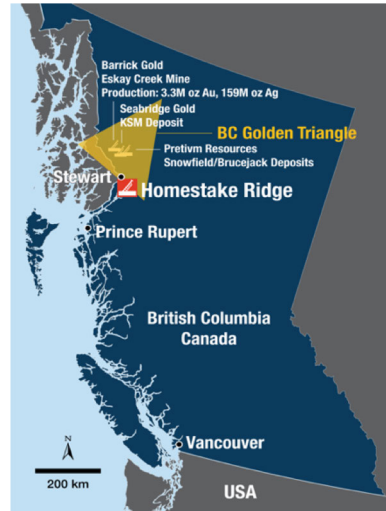
- High grade gold-silver deposit located in Central BC within the Golden triangle with excellent access to infrastructure

Indicated resource*: 125,000 oz @ 6.25 g/t Au, 1M oz @ 47.9 g/t Ag

Inferred resource*: 932,000 oz @ 4 g/t Au, 21.2M oz @ 90.9 g/t Ag

- Auryn milestones:**

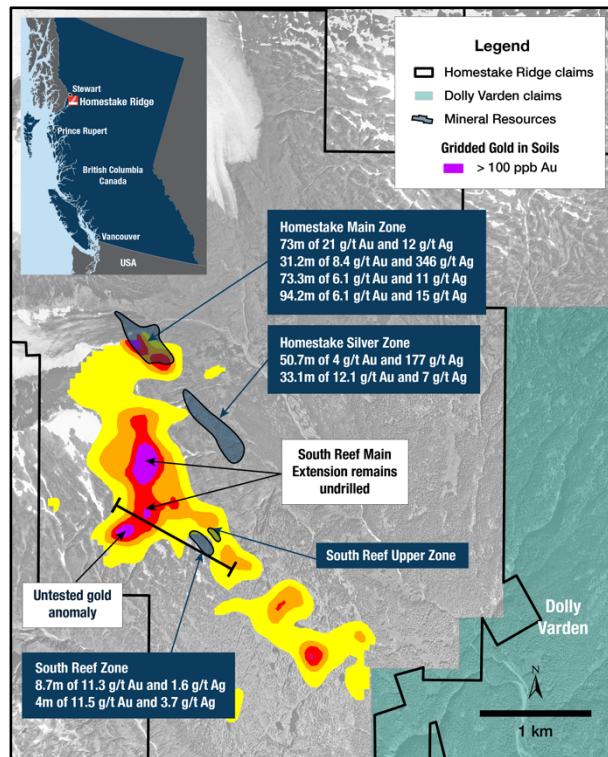
- Improved metallurgy
- Discovered South Reef Expansion 2017
- Currently drilling South Reef Expansion
Results Pending



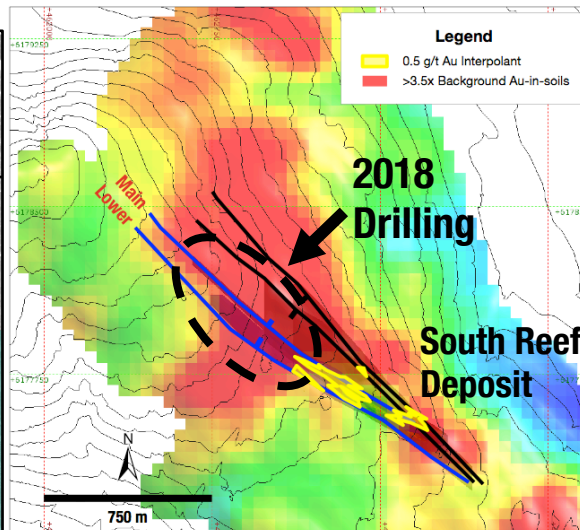
* Refer to 43-101 report dated September 29, 2017 as filed under Auryn Resource's Sedar profile at www.sedar.com

Homestake Ridge – Value with Growth Potential

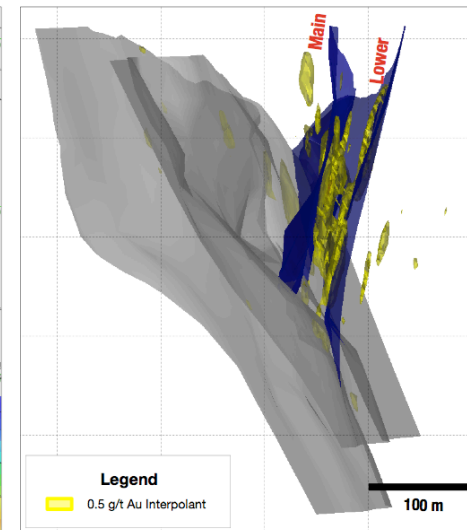
2018 Program consisting of 3000 meters testing North Extension of South Reef



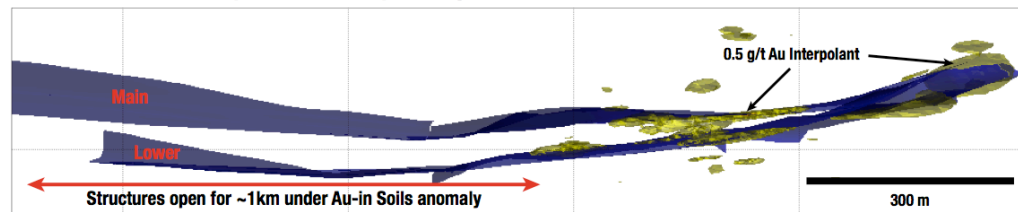
Plan View of South Reef Graben with 2017 Au-in-Soils



Oblique View Looking SE along South Reef Main and Lower South Reef Structures



Oblique View down-dip Looking NE of Main and Lower South Reef Structures

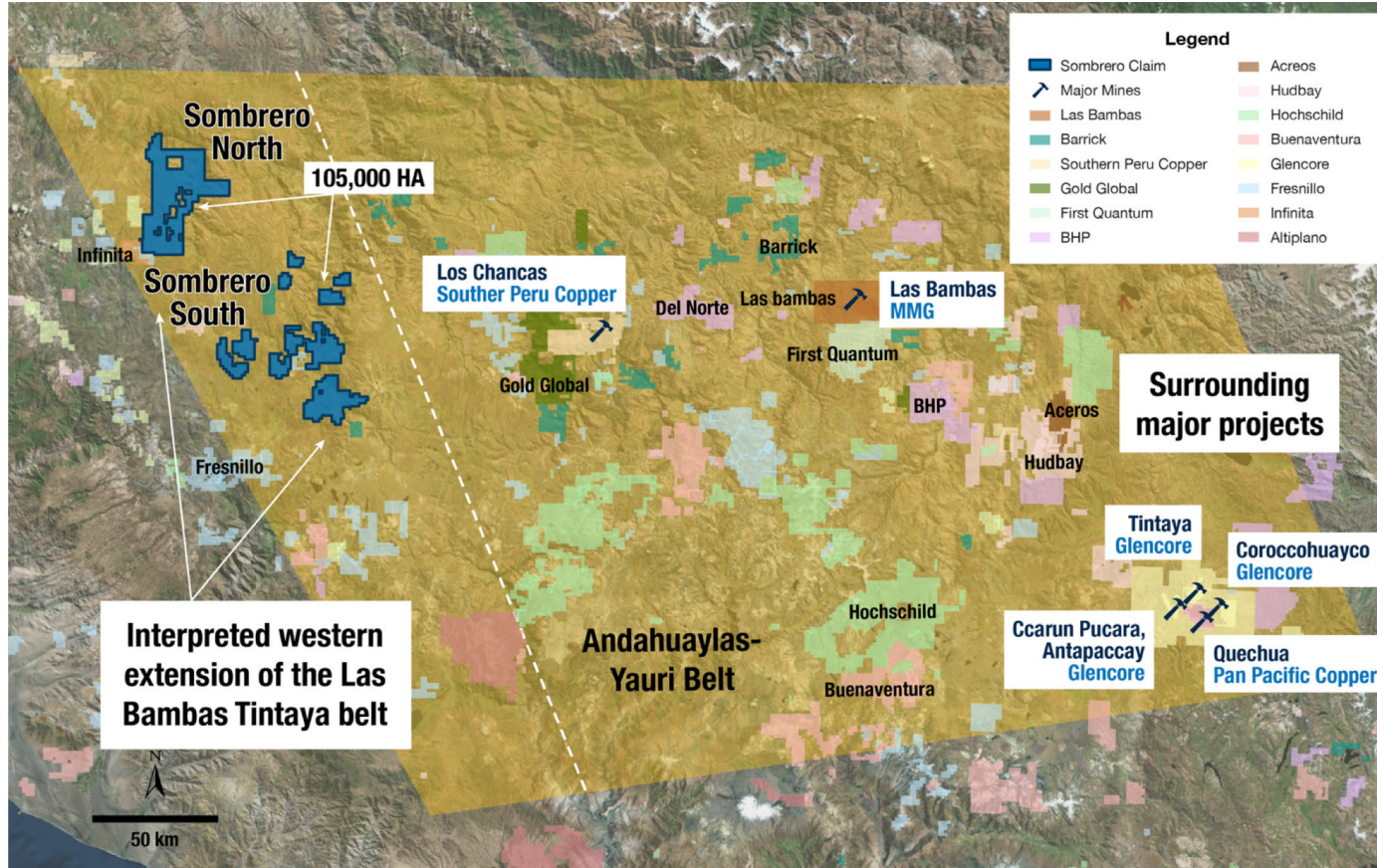


Southern Peru Portfolio = Endowment Potential

- Improved regulations for drill permitting
- Major oxide targets from surface
- Excellent access to infrastructure

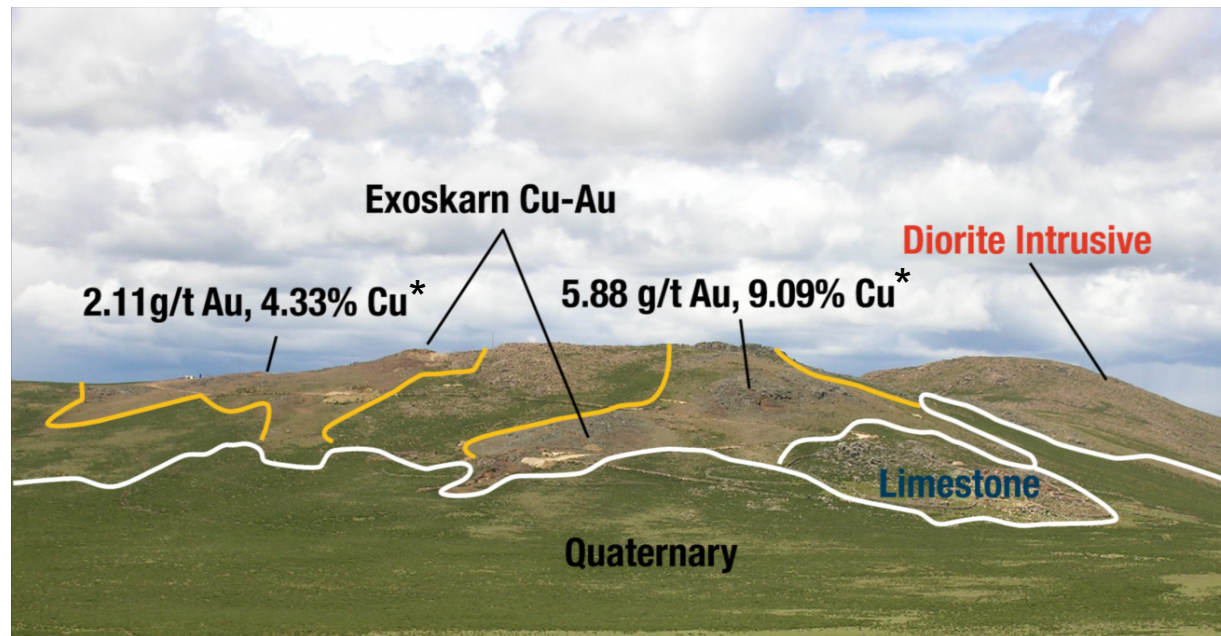
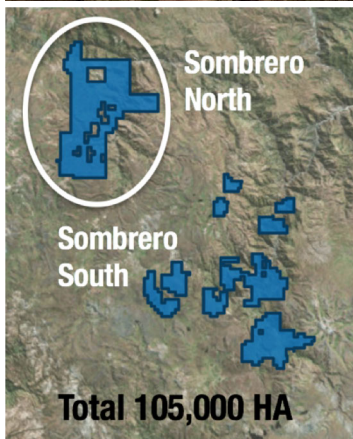


Sombrero District: Cu-Au Porphyry Skarn & Precious Metal Epithermal Targets



Sombrero North = Major Discovery Opportunity

Hi-tensile power lines

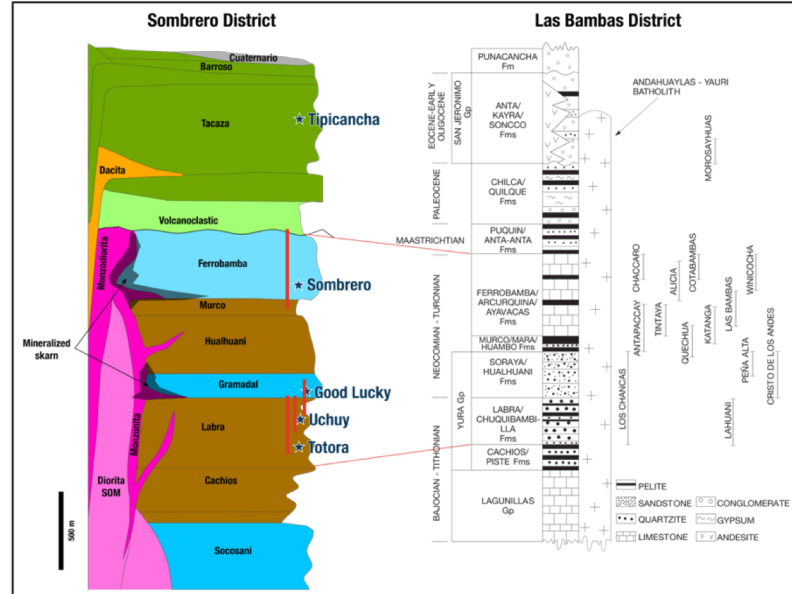
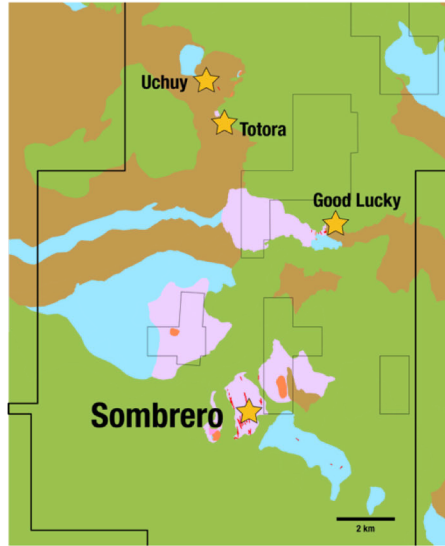
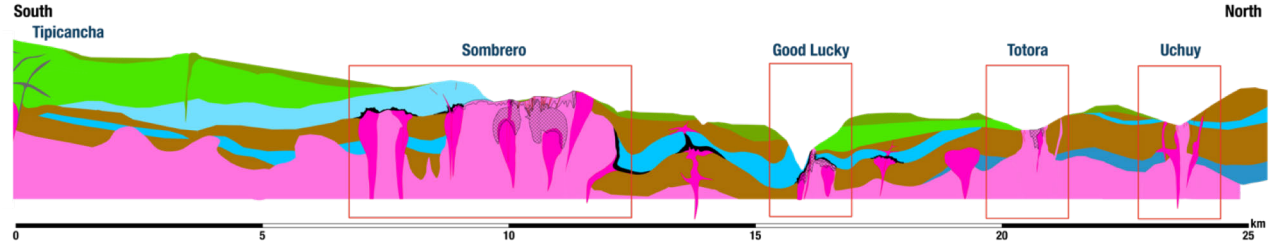


- Sombrero North project 51,348 hectares covering multiple skarn and epithermal bodies
- 3900 m elevation with excellent access to infrastructure
- Impressive skarn surface geochemistry
- Extensive copper-gold skarn system hosted by limestones cut by intrusive stocks
- Drill targeting complete **Permitting underway**

* 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

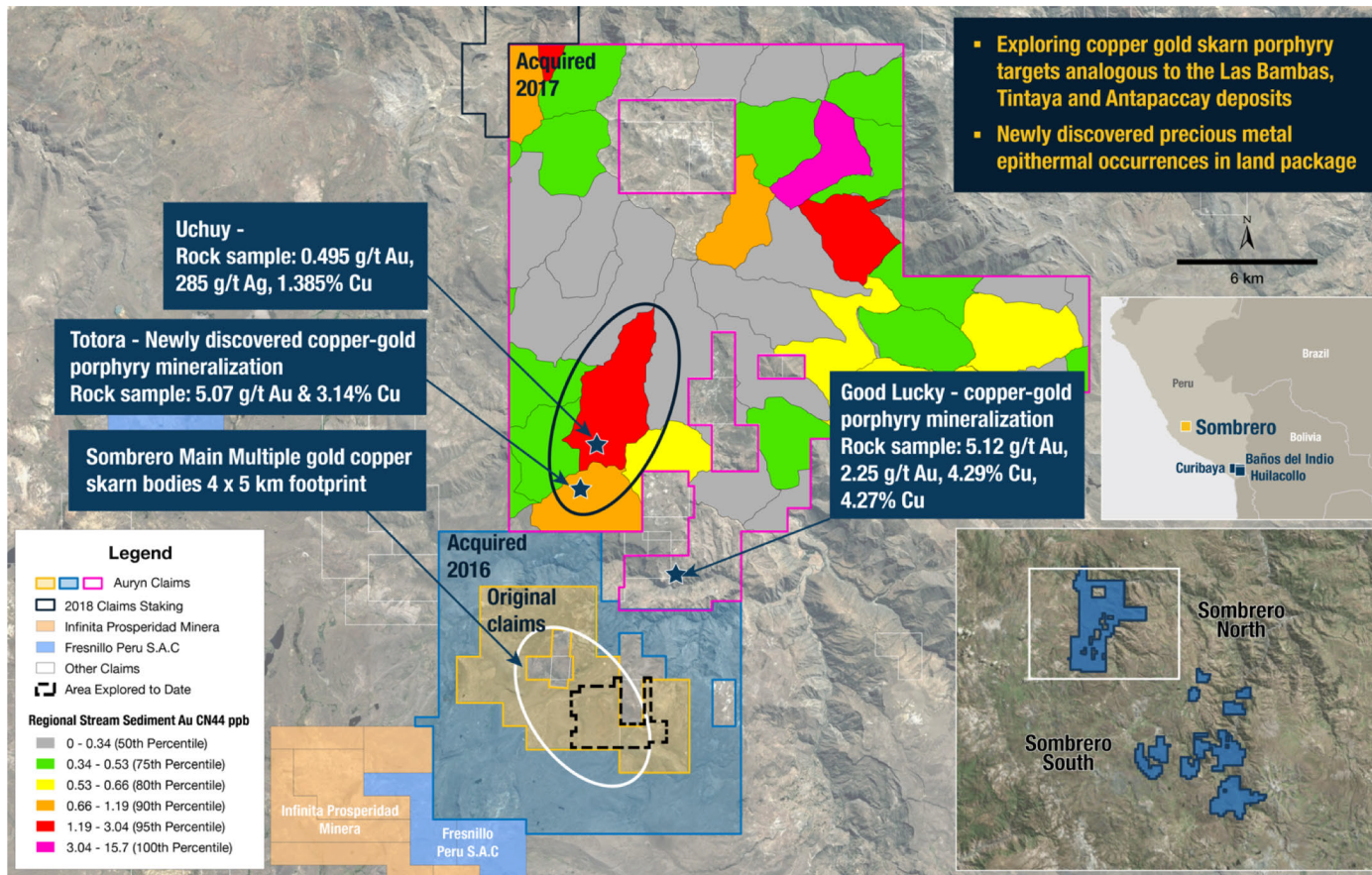
Sombrero District Comparison to Las Bambas District

Equivalent Geology and Mineralization

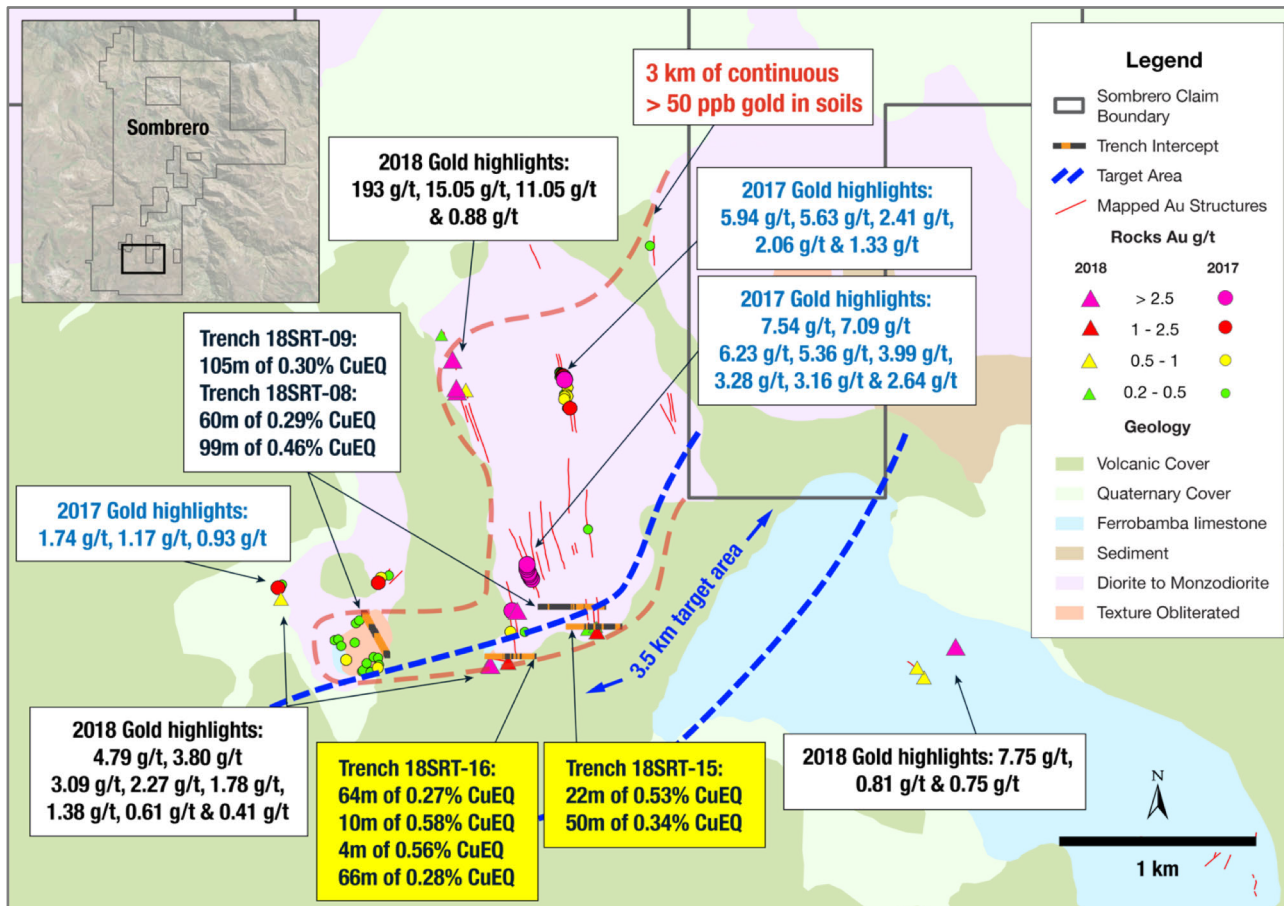


Sombrero North District 51,348 HA

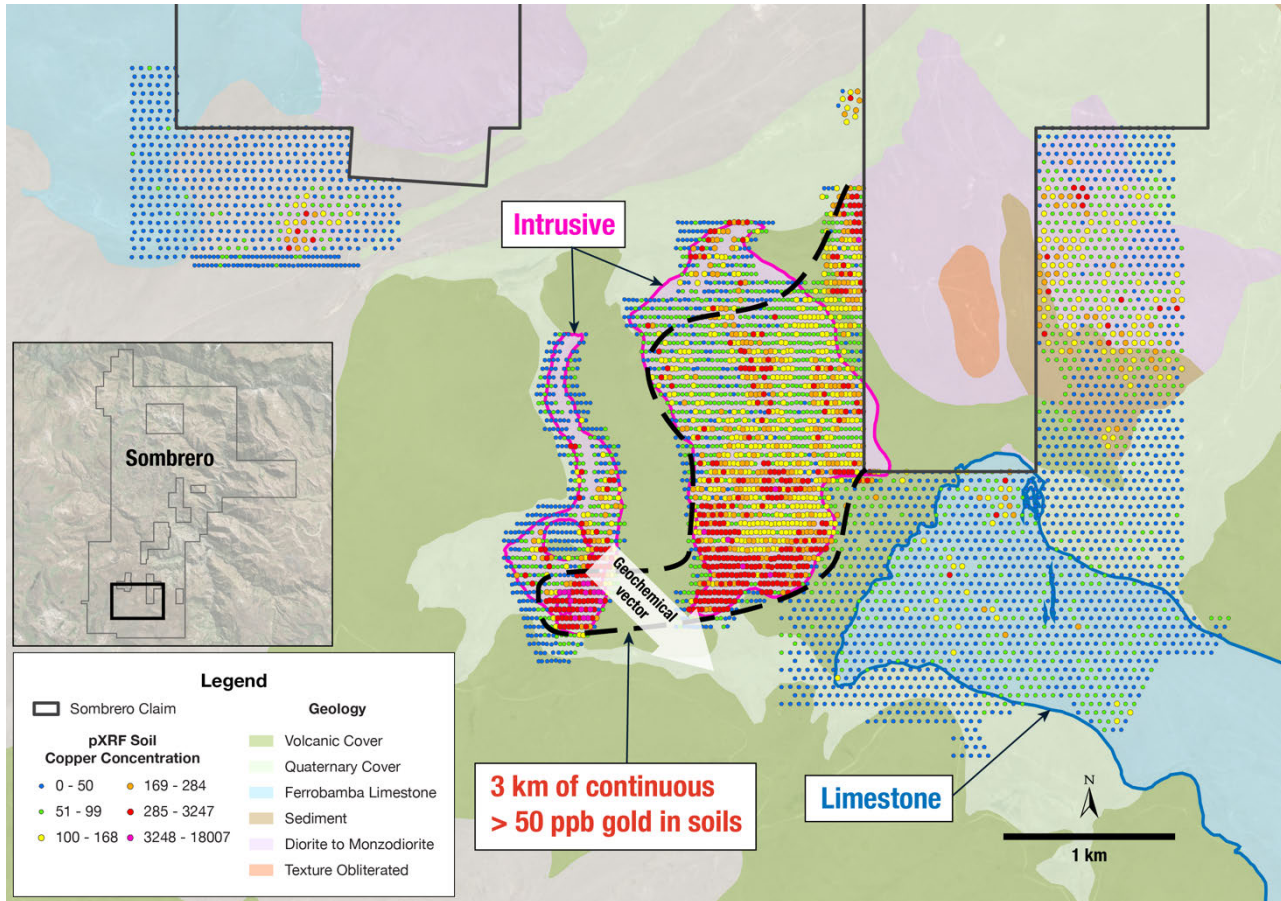
Multiple Skarn, Porphyry and Epithermal Targets/Occurrences



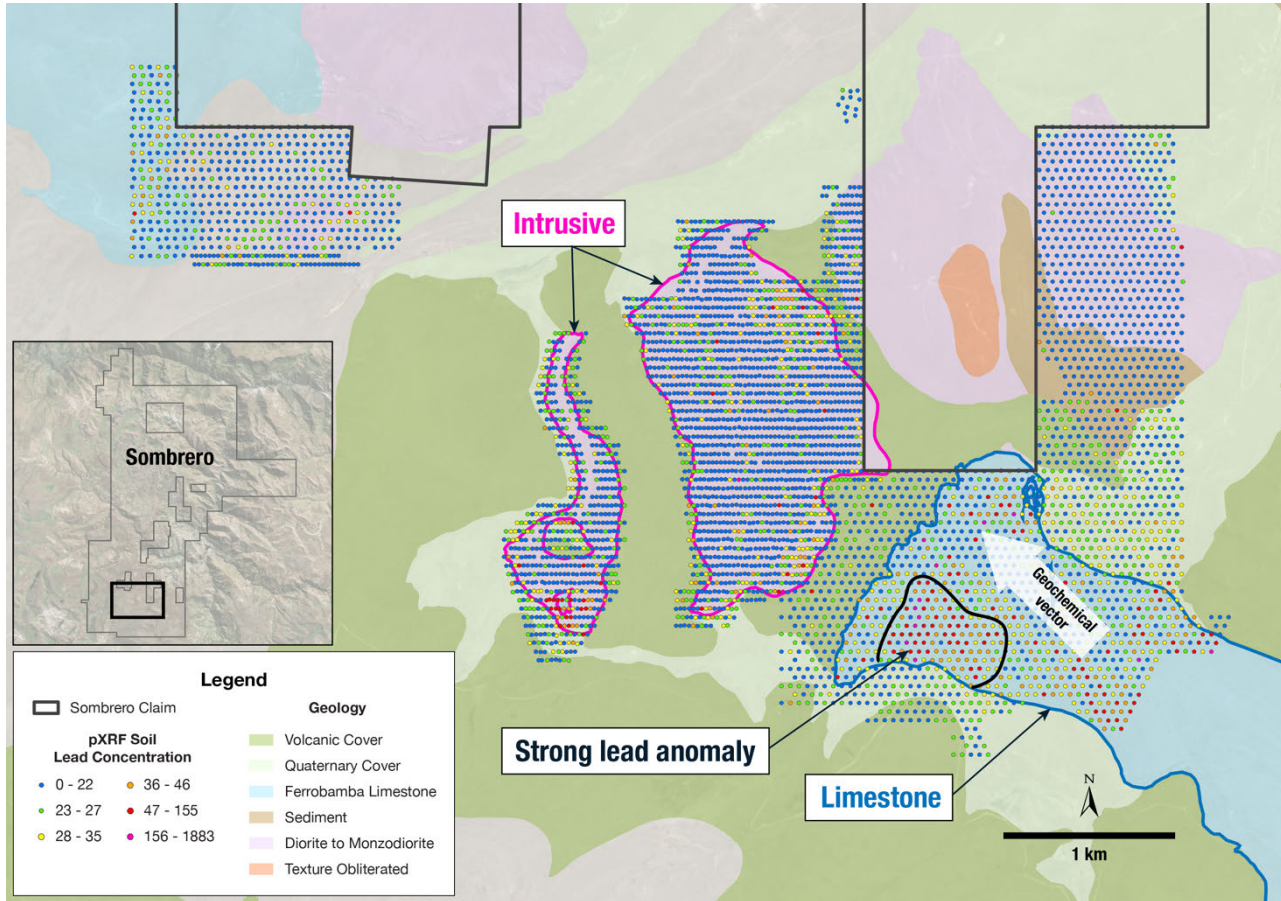
Sombrero North – Structure, Grade and Scale



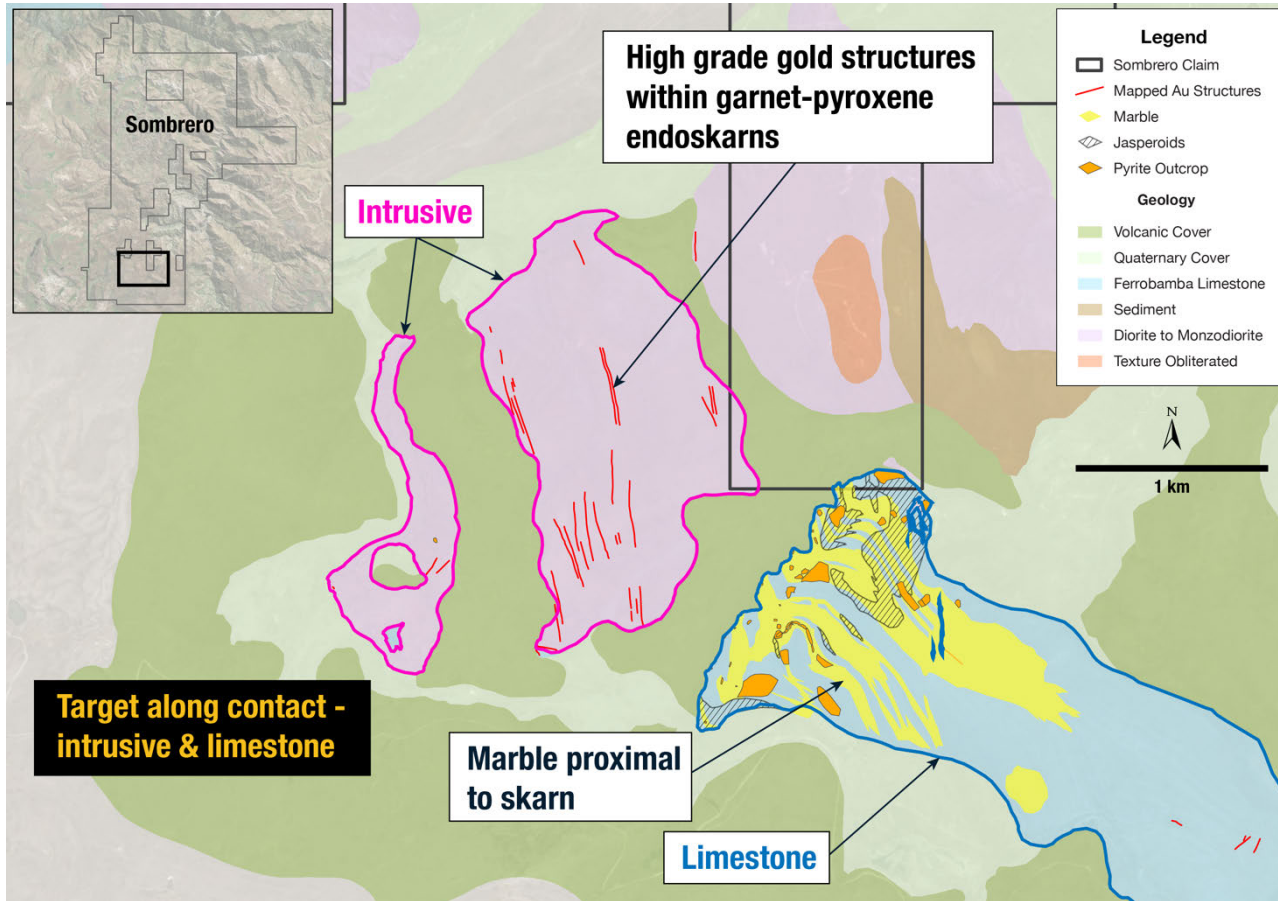
Sombrero North – Copper & Gold Soil Geochemistry



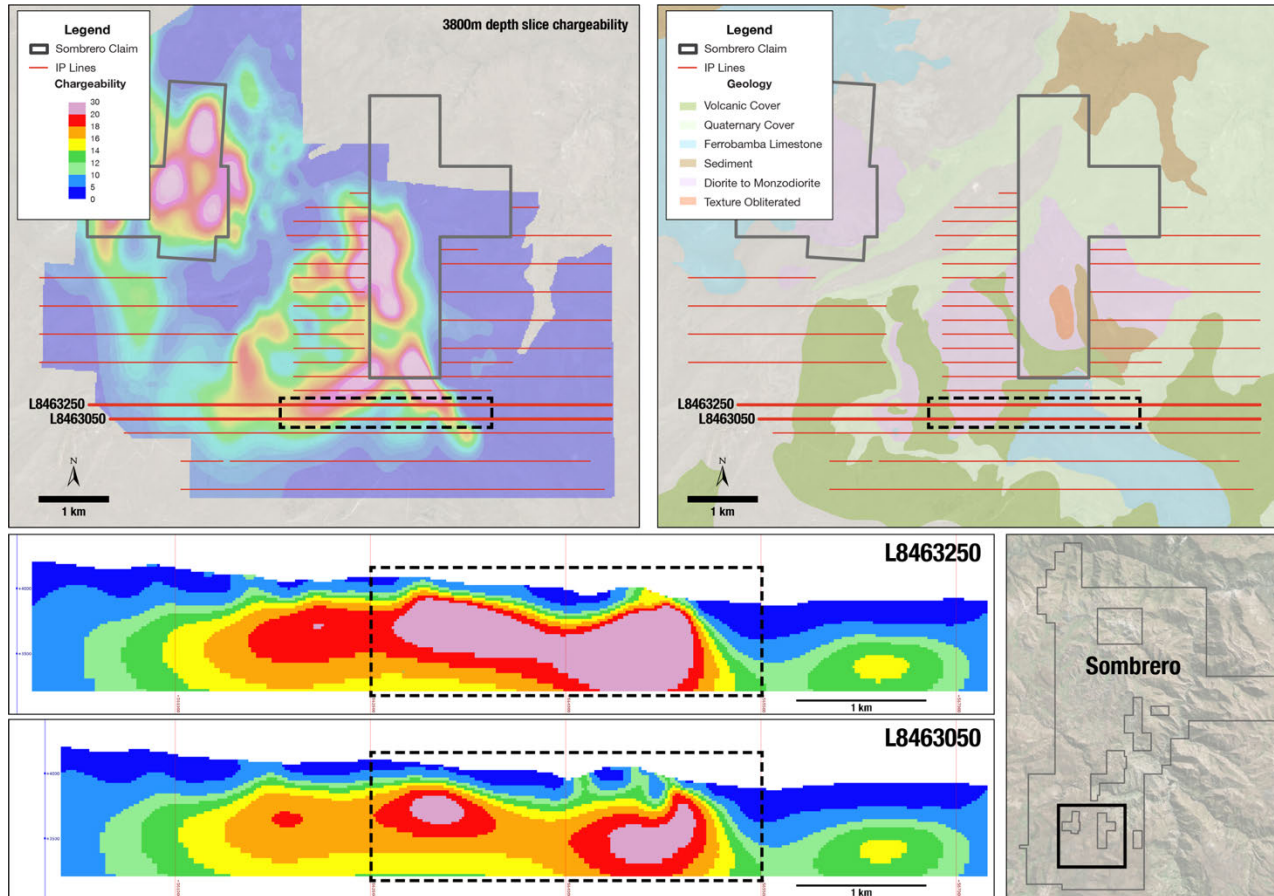
Sombrero North – Lead & Gold Soil Geochemistry



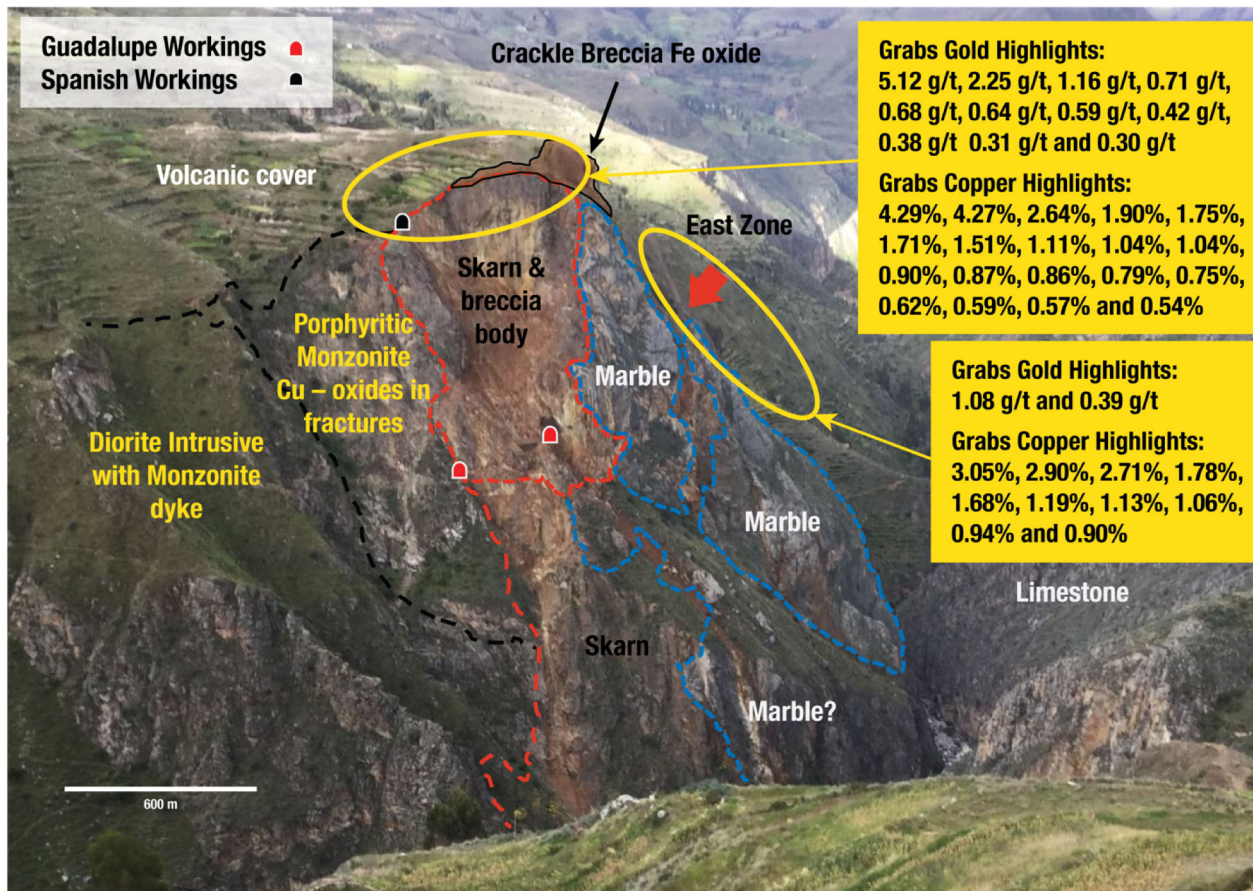
Sombrero North – Pyrite in Marble



Sombrero North – 2018 IP Chargeability



Good Lucky – Rock Sample Highlights



Totora – Rock Sample Highlights

Totora 2018 Highlights

Gold

5.07 g/t, 1.08 g/t, 0.89 g/t, 0.76 g/t,
0.55 g/t, 0.40 g/t, 0.37 g/t, 0.33 g/t,
0.33 g/t, 0.23 g/t and 0.21 g/t

Copper

3.14%, 1.28%, 1.17%, 1.16%, 1.12%
and 1.03%

Legend

— Mapped Au Structures

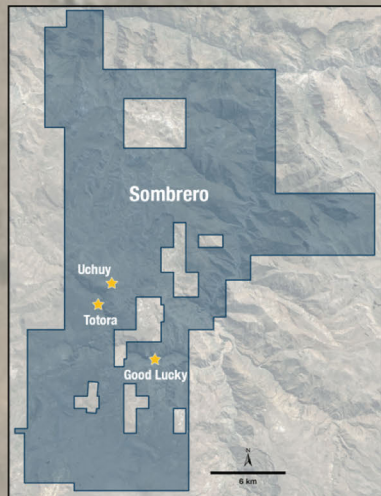
Rocks Au g/t Rocks Cu %

▲ > 2.5 ■ > 1.0

▲ 1 - 2.5

▲ 0.5 - 1

▲ 0.2 - 0.5



Stockwork veining within altered porphyry dyke

High grade structure



Analyst Coverage – 8 Firms



“The firm’s diverse portfolio of assets has the potential to yield more than one multi-million ounce discovery”

Heiko F. Ihle



“With three high quality projects in Canada, a growing portfolio of highly prospective targets in Peru, and an accelerating drill program, Auryn is well-positioned for multiple new discoveries and resource expansions in the near-term”

Matthew O’Keefe



“...further drill results have the potential to provide a significant positive catalyst”

Joe Reagor



“Auryn’s attractive project portfolio distinguishes themselves from its peers”

Philip Ker



“We see several properties that have potential for multi-million ounce deposits”

Michael Curran



“We see Committee Bay as a district play with significant potential for additional discoveries”

Mick Carew



“Sombrero is an early-stage exploration project that has yet to be drill tested. Today’s results provide further confidence in the geological model and the overall discovery prospectivity”

Kevin Mackenzie



“We look forward to a steady flow of potentially positive share price catalysts”

Ryan Walker

Pursuing World Class Discoveries

- Major exploration projects
- Extensive technical team
- **Optionality**

Multiple Q4 catalysts

- Committee Bay drill results
- Homestake Ridge drill results
- Sombrero targeting completion and drill permitting for Q1 2019



Appendix

1. Three Bluffs: Resources
2. Combined Main Homestake, Homestake Silver and South Reef Resources

May 2017 Resource

Class		Cut Off (g/t Au)	Tonnes (000 t)	Gold Grade (g/t Au)	Contained Gold (oz)
Indicated	Open Pit	3.0	1,760	7.72	437,000
	Underground	4.0	310	8.57	86,000
	Total		2,070	7.85	524,000
Inferred	Open Pit	3.0	590	7.57	144,000
	Underground	4.0	2,340	7.65	576,000
	Total		2,930	7.64	720,000

The Mineral Resource estimate prepared by RPA for the Three Bluffs deposit as of May 31, 2017. The Mineral Resource is based on work by RPA in 2013 and new cut-off grades based on updated metal price, exchange rate, and operating costs. Refer to NI43-101 report dated May 31, 2017 filed at www.sedar.com

Notes:

1. CIM definitions were followed for Mineral Resources.
2. Mineral Resources are estimated at cut-off grades of 3.0 g/t Au for open pit and 4.0 g/t Au for underground.
3. Mineral Resources are estimated using a long-term gold price of US\$1,200 per ounce, and a US\$/C\$ exchange rate of 1:25.
4. Nominal minimum mining widths of five metres (open pit) and two metres (underground) were used.
5. Numbers may not add due to rounding.
6. Cautionary note to United States investors concerning estimates of measured, indicated and inferred resources estimates, please see Disclaimer in this presentation

September 2017 Resource

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. Refer to NI43-101 report dated September 29, 2017 filed at www.sedar.com

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



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