



# Precious Metals Summit Beaver Creek

September 10 - 13, 2019



# Reader Advisories

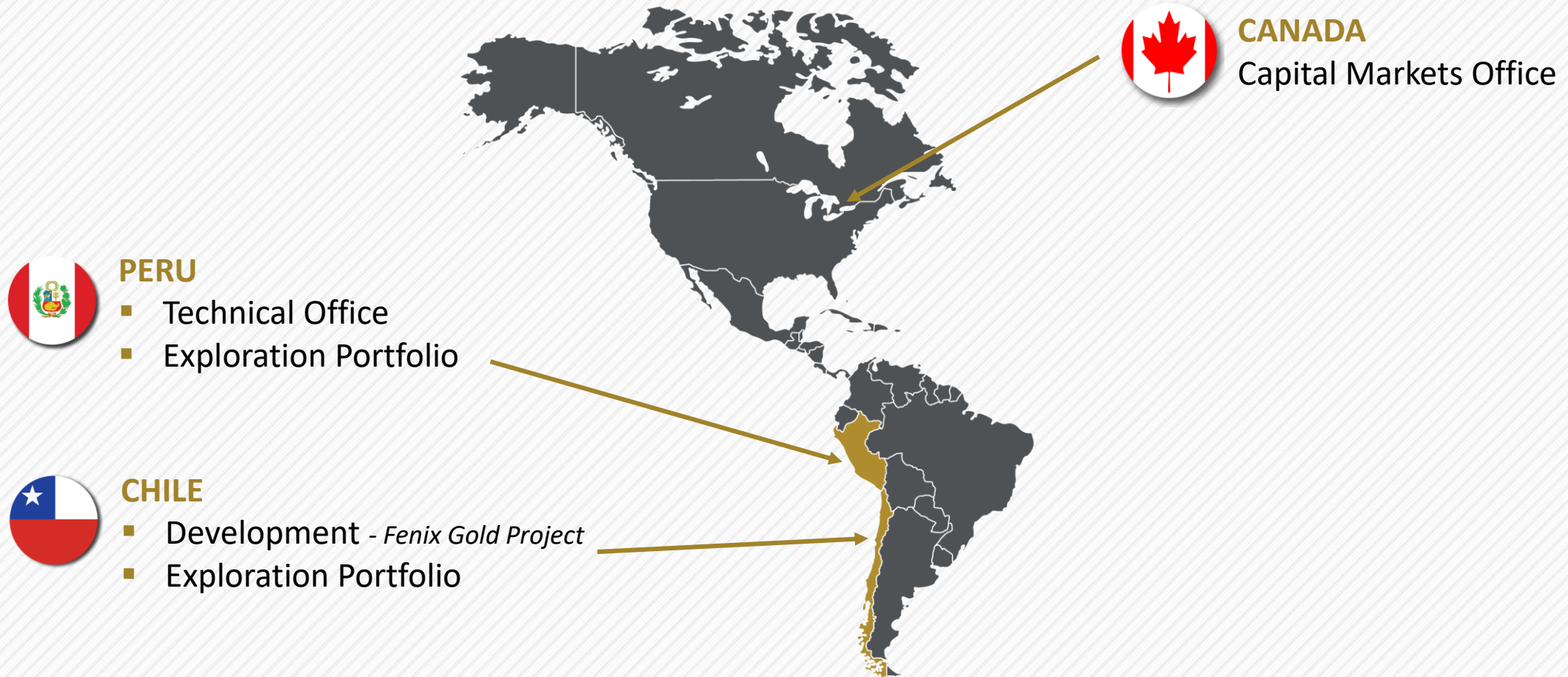


Forward-looking Statements. This presentation contains forward-looking statements and forward-looking information (collectively “forward-looking statements”) within the meaning of applicable securities laws. Often, but not always, forward-looking statements can be identified by the use of words such as “plans”, “expects”, “continues”, “scheduled”, “estimates”, “forecasts”, “intends”, “potential”, “belief” or similar expressions. These forward-looking statements relate to, among other things: the economic potential of Rio2’s Fenix Gold Project, the estimation of mineral resources and mineral reserves and realization of such mineral resources and mineral reserves, guidance on estimated annual production and cash costs, future performance, pre-feasibility estimates and optimization, timing for completion of studies, results of exploration, steps to development and timing, production decisions and timing, exploration upside, and permitting. Forward-looking statements are based on numerous assumptions regarding present and future business strategies and the environment in which Rio2 will operate in the future, including receipt of required permits, the price of gold, anticipated costs and ability to achieve goals. The forward-looking statements and information are based on the opinions, assumptions and estimates that management of Rio2 considered reasonable at the date the statements are made, and are inherently subject to a variety of risks and uncertainties and other known and unknown factors that could cause the actual results, performance or achievements of Rio2 to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information, including the fluctuating price of gold; risks and uncertainties inherent in the preparation of estimates and studies, drill results and the estimation of mineral resources and mineral reserves; delays in obtaining or failure to obtain access to lands or required environmental permits or mine licenses, mine permits and regulatory approvals or non-compliance with such permits; risks inherent in mining, as well as those factors disclosed in Rio2’s publicly filed documents available at [www.sedar.com](http://www.sedar.com) including those set out in Rio2’s most recent annual information form and annual and interim management’s discussion and analysis. Although Rio2 has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking information, there may be other factors that cause actions, events or results not to be as anticipated or estimated. Actual results, performance or achievement could differ materially from those expressed in, or implied by, these forward-looking statements and, accordingly, no assurance can be given that any of the events anticipated by the forward looking statements will transpire or occur, or if any of them do so, what benefits may be derived therefrom. Rio2 does not undertake to update any forward-looking information, except as, and to the extent required by, applicable securities laws. Forward-looking statements are made as of the date hereof, and accordingly, are subject to change after such date.

NI 43-101 Disclosure. On September 4, 2019, Rio2 announced the results of the updated mineral resource estimate and Pre-Feasibility Study (“PFS”) for its 100% owned Fenix Gold Project located in the Maricunga Mineral Belt of the Atacama Region, Chile. A copy of the new release is available on SEDAR under Rio2’s SEDAR profile at [www.sedar.com](http://www.sedar.com). Rio2 will SEDAR file a technical report prepared in accordance with National Instrument 43-101 in respect of the PFS within 45 days of September 4, 2019. The previously completed Pre-Feasibility Study on the Project, entitled “*NI 43-101 Technical Report on the Cerro Maricunga Project Pre-Feasibility Study Atacama Region, Chile*” dated October 6, 2014 with an effective date of August 19, 2014 (the “2014 PFS”), is available on SEDAR under Rio2’s SEDAR profile. The Cerro Maricunga Project was renamed the Fenix Gold Project by Rio2 in 2018. The scientific and technical content of this presentation has been reviewed, approved and verified by Enrique Garay, Rio2’s Senior Vice President - Geology, a Qualified Person as defined by National Instrument 43-101. This presentation also discloses mineral resources. Mineral resources that are not mineral reserves do not have demonstrated economic viability.



# Company Platform





# Why Rio2?



**Proven Management Team**

**Fenix Gold Project – One of the Largest Gold Oxide Resources in the World**

**Fast-track to Construction and Production**

**Robust Updated PFS in Place**

**A Platform for Further Growth**

**Consolidator in Precious Metals Space**

**Capital Markets Credibility**



# Leadership Team

Board of Directors



Executive Management



Senior Management





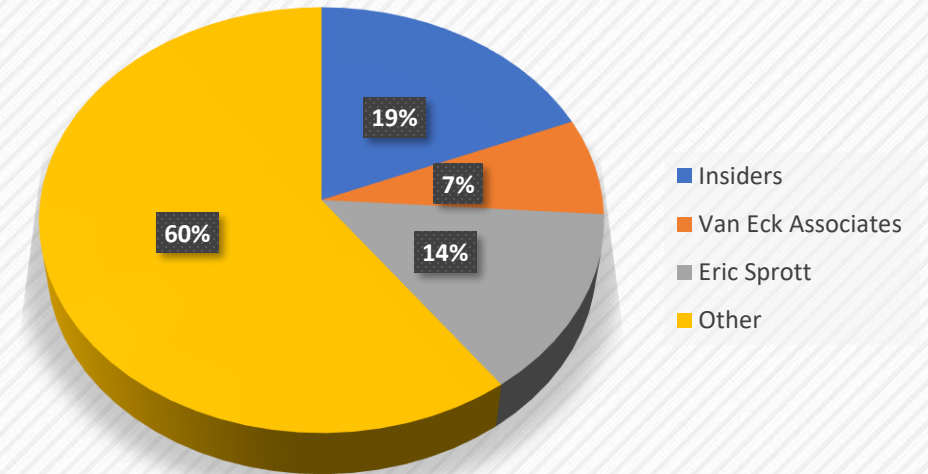
# Capital Structure

*As at September 5<sup>th</sup>, 2019*

<b>Share Price (TSXV)</b>	C\$	0.52
<b>Basic Shares Outstanding</b>	mm	180.78
<b>Fully Diluted Shares*</b>	mm	236
<b>Basic Market Capitalization</b>	C\$mm	94

\*Options Outstanding:   mm   8.2  
\*Warrants Outstanding:   mm   46.4  
\* RSUs:                   mm   0.48

**Ownership\***



\*Company estimate

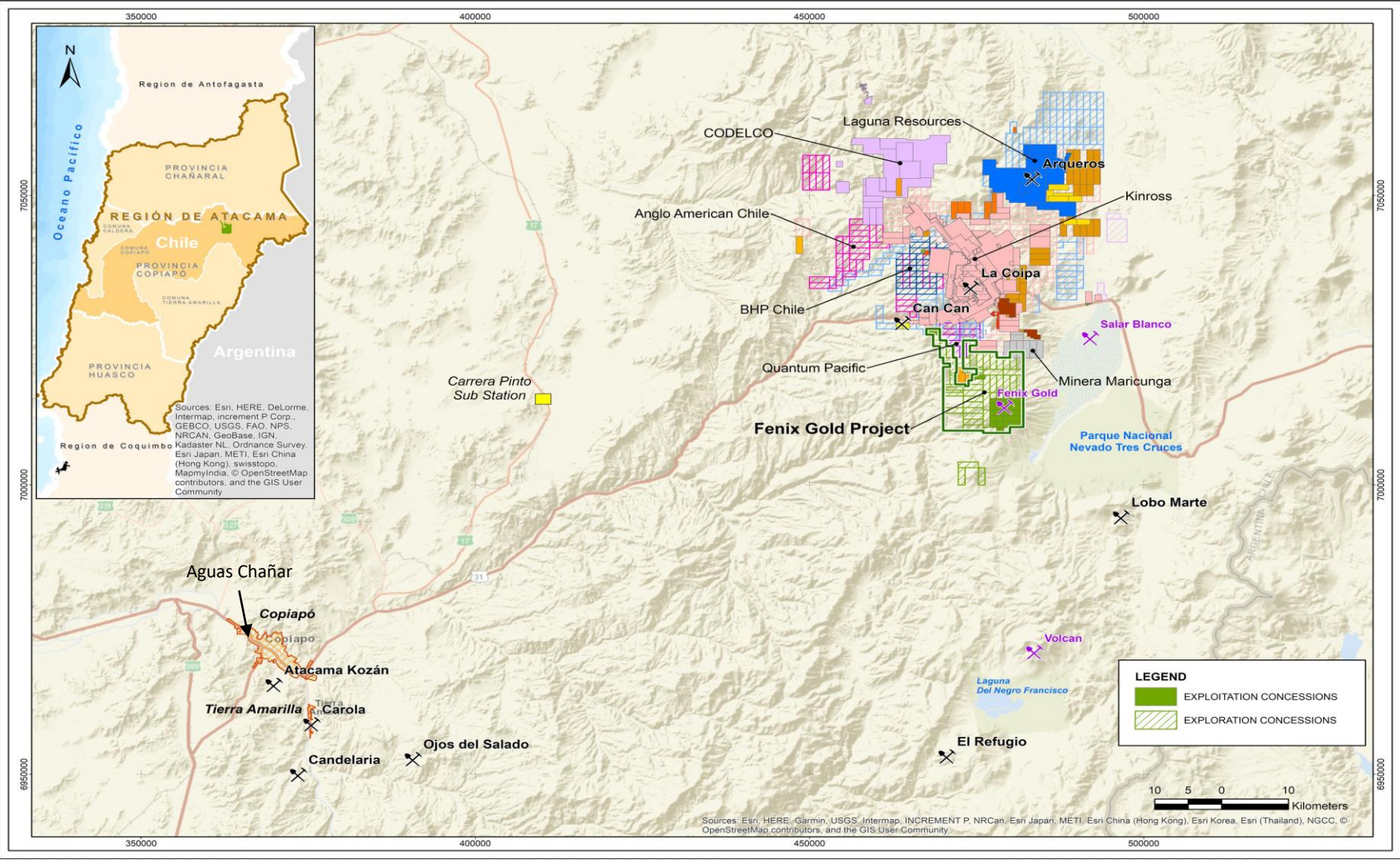


**FENIX**

GOLD PROJECT



# Regional Concession Map





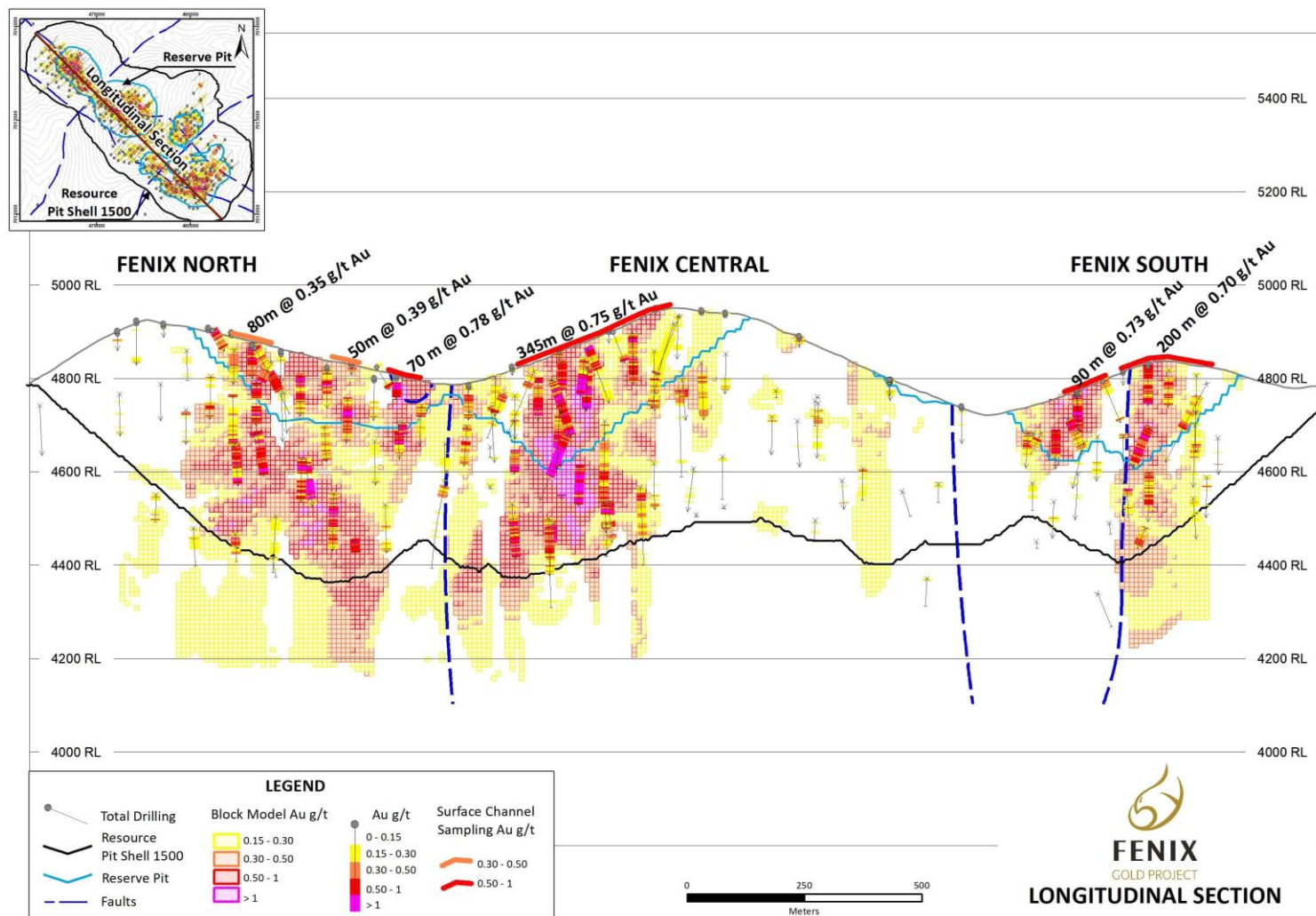
# Fenix Gold Project Overview

- Located in established mining district
- Approx. 22,000 Ha
- Surrounded by key infrastructure
- Water agreement in place
- Over 115,000m drilling completed since 2010
  - 5 million Au oz. of M&I Resources (\$1,500)
  - 1.8 million Au oz. of P&P Reserves (\$1,225)
- **UPDATED PRE-FEASIBILITY STUDY COMPLETED SEPTEMBER 2019**
  - Fast-track to Construction/Production



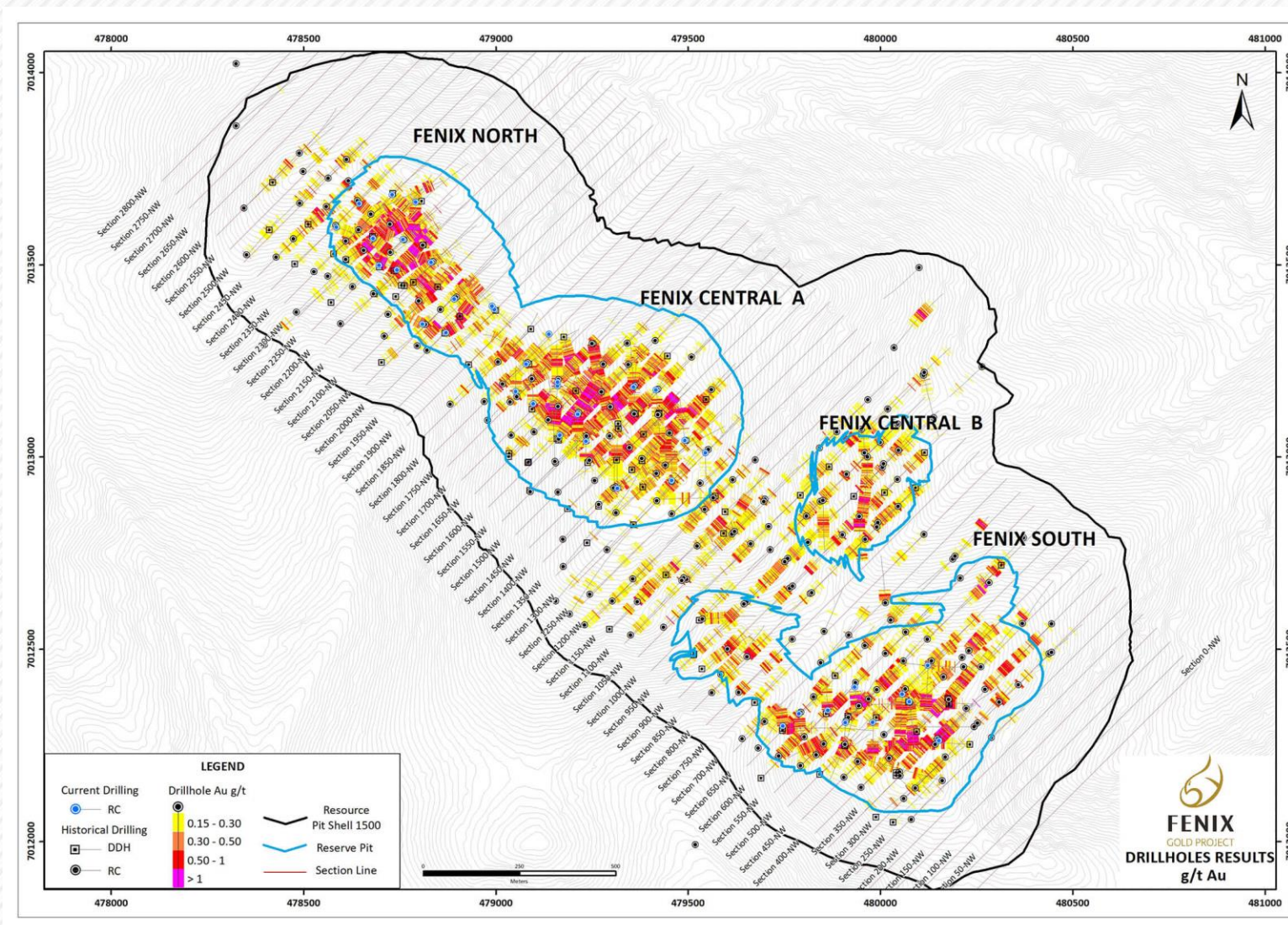


# Massive Outcropping Oxide Orebody





# Massive Outcropping Oxide Orebody





# Large Undeveloped Oxide Gold Deposit

MEASURED & INDICATED

5<sub>MOZ</sub>

PROVEN & PROBABLE

1.8<sub>MOZ</sub>

INFERRED

1.4<sub>MOZ</sub>

Note: Resources are inclusive of reserves

- Strike length – 2.4 Km ; Width up to 400 m
- Currently mineralized to depth of 600 m and open at depth and along strike
- Finely disseminated gold hosted in breccias
- 100% oxides - negligible copper

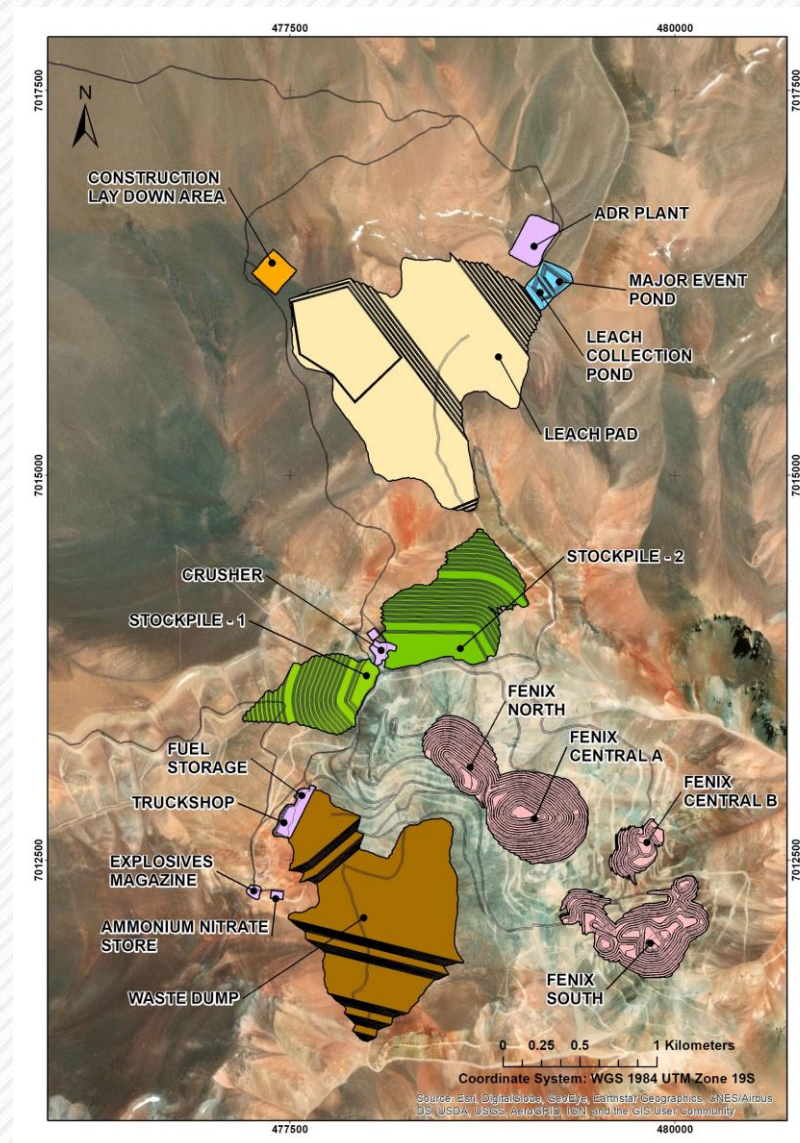


- Mineralization is sub vertical and is of a bulk, disseminated style
- Controlled by NW-SE faulting, occurs in **Black Banded Quartz** hosted in complex breccias bounded by fault structures
- The project is classified as **Low Sulphidation** type of mineralization and mineralization remains open at depth and to the North East
- Mineralization is comparatively clean with **negligible copper, sulphur and mercury**, even at depths of 500 m below the surface
- Fenix is **unique** in the Maricunga region as it is a pure oxide gold deposit with **no transitional or sulphide mineralization**





- The Maricunga Region is dominated by many large-scale gold projects
- All have challenges with water, metallurgy, tailings disposal and capex
- Fenix is **unique** in the Maricunga
  - **Clean oxide mineralization**
  - **Simple metallurgy**
  - **100% leach for LOM**
  - **No tailings**
  - **Able to bootstrap start-up with approx. \$100M capex**
  - **Able to cut development timeline to 2 yrs from 5 yrs by trucking water**
  - **A number of alternate water options identified**





# Updated PFS Highlights

## Rio2 Stated Objectives

	HIGH-GRADE	LOW-GRADE	2019 PFS	2014 PFS
Gold Price (US\$ / oz)	\$1,300	\$1,300	\$1,300	\$1,350
Ore Tonnes	81.9M	33.1M	115M	294M
Grade (Au g/t)	0.57	0.30	0.49	0.40
Proven & Probable Reserve (Au ozs)			1,829,000	3,743,000
Average Annual Gold Production (Au ozs)	93,000	50,000	85,000	228,000
Recoverable Gold (Au ozs)			1,371,000	2,956,000
Throughput (tonnes per day)	20,000	20,000	20,000	80,000
Strip Ratio			0.81	1.76
Recovery (%)	75	75	75	79
Mine Life (years)	13	3	16	13
Initial Capex			\$111	\$399
Sustaining Capex			\$95	\$188
Cash Cost (US\$ / oz)	\$918	\$1,036	\$927	\$864
AISC (US\$ / oz)	\$979	\$1,082	\$997	\$928
Pre-tax NPV (5% - \$M)			\$168	\$521
Pre-tax IRR (%)			31.9	29
Post-tax NPV (5% - \$M)			\$121	\$409
Post-tax IRR (%)			27.4	25

*Smaller starter project*  
*Higher grades*

*Lower strip ratio*

*Lower capex*



# Economic Sensitivities

GOLD PRICE			
Gold Price (\$/oz)	\$1,200	\$1,300	\$1,400
NPV (5% after tax)	\$60M	\$121M	\$181M
IRR (after tax)	17.5%	27.4%	36.1%

CAPITAL COSTS			
Capital Costs	-10%	\$111M	10%
NPV (5% after tax)	\$128M	\$121M	\$113M
IRR (after tax)	31.2%	27.4%	24.3%

OPERATING COSTS			
Operating Costs	-10%	\$1,272M	10%
NPV (5% after tax)	\$176M	\$121M	\$65M
IRR (after tax)	34.9%	27.4%	18.8%

Incorporating only Proven and Probable Mineral Reserves of 1,829,000 oz of gold





## STATUS

Water supply secured to fully support LOM Production

## SUPPLIER

Agreement in Place with Aguas Chañar S.A.

- Full Service Water Utility Company, part of a leading infrastructure platform
- 50% owned by Aguas Nuevas
  - 3<sup>rd</sup> largest water utility company in Chile owned by Marubeni and Innovation Network Corp of Japan
- 50% owned by Toesca Asset Management, Chilean Infrastructure Fund
- Source: Continental water, sewage retreatment, desalination plant (in construction)

## LOGISTICS

Truck water from Aguas Chañar (Copiapo) to the project site



# Path Forward → 2021 - Q4







[www.rio2.com](http://www.rio2.com)

TSXV : RIO    OTCQX : RIOFF    BVL : RIO