



February 2012

TSX-V: OCO

Frankfurt: OR6

US: ORRCF

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

## DISCLAIMER

Some of the statements contained herein may be forward-looking statements which involve known and unknown risks and uncertainties. Without limitation, statements regarding potential mineralization and resources, exploration results, and future plans and objectives of the Company are forward looking statements that involve various degrees of risk. The following are important factors that could cause the Company's actual results to differ materially from those expressed or implied by such forward looking statements: changes in the world wide price of mineral commodities, general market conditions, risks inherent in mineral exploration, risks associated with development, construction and mining operations, the uncertainty of future profitability and the uncertainty of access to additional capital.



# CAPITAL STRUCTURE

Common Shares Issued and Outstanding (January 21, 2012): **63,134,355**

## Share Purchase Warrants

\$0.30, Exp. April 14, 2012	1,000,000
\$0.45, Exp. August 12, 2012	1,970,667
\$0.42, Exp. October 26, 2012	2,125,000
\$0.40, Exp. May 23, 2013	2,386,000

## Options

\$0.15, Exp. November 1, 2013	75,000
\$0.25, Exp. December 16, 2014	2,900,000
\$0.30, Exp.	750,000
\$0.35, Exp. May 18, 2016	120,000

Fully Diluted **74,461,022**

Common Share Listings: Exchange and Symbol:

TSX-V: **OCO**  
FRANKFURT: **OR6**  
US: **ORRCF**

CUSIP No: 687033 10 0  
WKN: A0Q 2HB



# DIRECTORS and MANAGEMENT

## **Craig Dalziel, President, Director**

- Over 30 years of financial, investment and administrative experience
- Facilitated the financing and re-opening of Newfoundland's Rambler Mine
- Led the formation of Southern Arc Minerals Inc., Northern Rand Resource Corp. and Oroco Resource Corp.

## **Ken Thorsen, P. Eng., Chairman**

- Over 40 years of experience in the mining business
- 8 years with Selection Trust; 3 years with Cameco
- 21 years with Teck Corporation and 7 years as a consultant
- Senior Exploration Exec. at Teck Cominco including 2 years as Pres. of Teck Exploration Ltd.

## **Stephen M. Leahy, Director**

- Chairman, CEO, Director of North American Tungsten Ltd.
- Over 30 years of experience in venture capital

## **Roger Scammell, BSc, PGeo. President of Minas de Oroco (Oroco's Mexican subsidiary)**

- 40 years experience in the mining and exploration industry in North America
- Past President of Scorpio Mining Corporation being responsible for overseeing the exploration and development of, and initial production from 1,400 tonne per day Nuestra Senora polymetallic silver mine in Sonora, Mexico.
- Former Country Manger for Teck Corporation and its Mexican subsidiary, Minera Teck S.A. de C.V. from 1992 to 2002 during which time Teck discovered the 72 million tonne San Nicolas volcanogenic massive sulphide deposit in Zacatecas, México and the El Limon gold skarn in Guerrero, México.

*Continued...*





**Steve Vanry, CFA, Director and Chief Financial Officer**

- Over 20 years with publicly-traded resource companies at both management and board levels
- Focused on strategic planning, fund raising, regulatory compliance and financial reporting.

**Robert Friesen, P. Geo., Director**

- Over 40 years of experience in mining and minerals exploration
- 7 years as Chief Geologist with Noranda Group
- 5 years as a Project Geologist with Teck Exploration Ltd.

## **CONTRACTORS and CONSULTANTS**

**Jose Antonio Montante Martinez, Ing.**

- A member of the **Asociacion de Ingenieros Geologos de Mexico** since 1990, and has 20 years of experience in the Mexican mining industry working in exploration, production, and feasibility studies for Luismin, Goldfields, Santa Fe Pacific Gold, Teck Corporation, and Goldcorp. Credited as co-discovered of the San Nicolas deposit.

**Sonoran Resources, LLC**

- Engaged to provide EPCM services for the Cerro Prieto project. Sonoran is a team of accomplished professionals experienced in every stage of mine permitting and construction, organizational development, human resources and training, commissioning and production start-up, and reclamation. They have established a proven track record in mine construction and operation and have recently completed the construction of the nearby Santa Elena Mine for SilverCrest Resources.



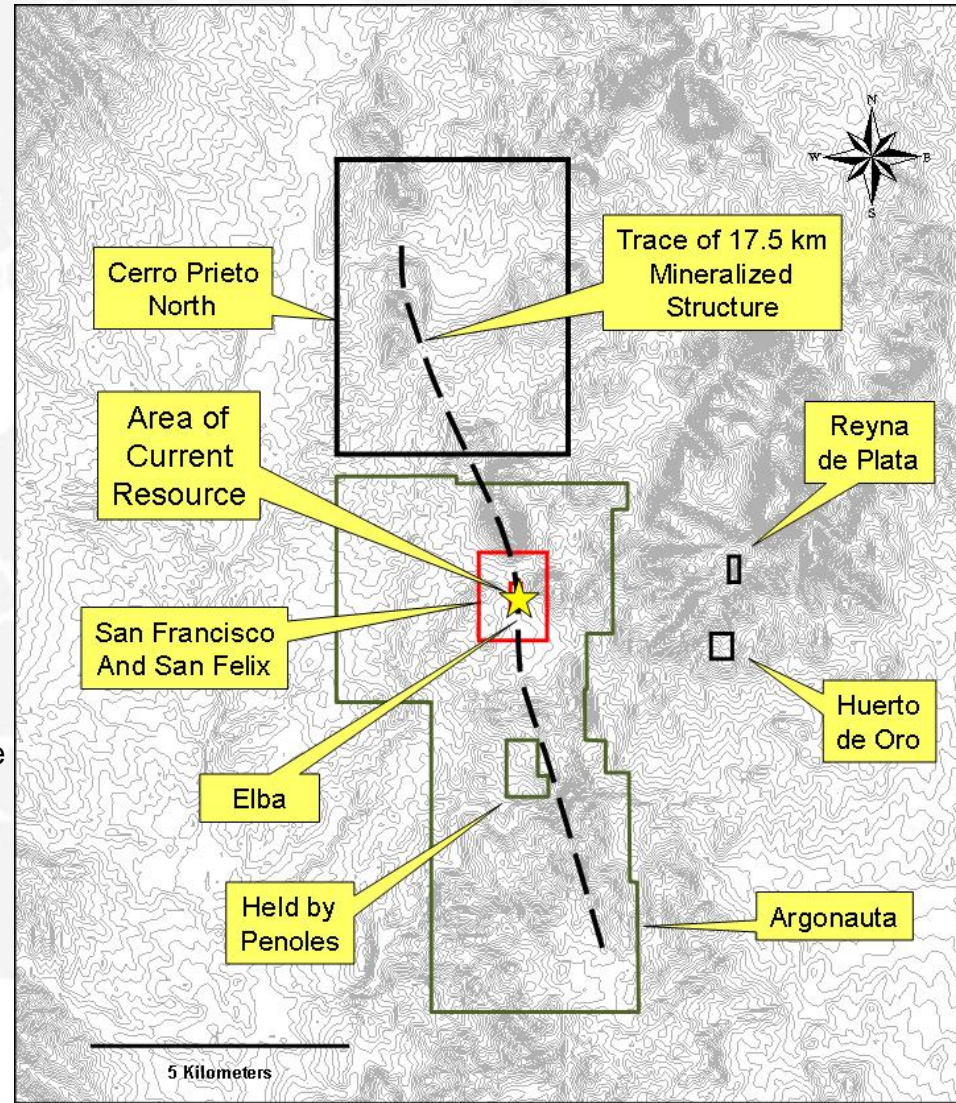
# PROJECT LOCATIONS



# CERRO PRIETO PROJECT: MINING CONCESSIONS

- 7,000 ha land position containing 17.5 km strike length of mineralized structure
- 221 ha San Felix\*, San Francisco\* and Elba concessions, 100% owned
- 2,507 ha Cerro Prieto North concession 100% owned
- 4,224 ha Argonauta\* concession 100% owned
- Newly acquired Reyna de Plata and Huerto de Oro contain four historical mines and strike length of mineralized structures
- Located in northern Sonora State, a short distance from US border and the Pan American Highway
- Premier logistics: on-site water source, highway and power grid < 10 kilometers, work force < one hour from project.

\* Subject to a 2% NSR



## CERRO PRIETO PROJECT HIGHLIGHTS:

- Oxide Gold and Silver Resource: 390,000 ounces gold and 6,193,000 ounces silver, 98% in the Measured and Indicated resource confidence classification
- Successful metallurgical testing followed by a positive Preliminary Economic Assessment by an independent mining engineering firm demonstrates low CAPEX, rapid payback, and robust economics
- Positive Preliminary Economic Assessment completed. Capital cost of \$22.2 million, 157% IRR at \$1350/oz gold and undiscounted cash flow of \$89.5 million
- 7 Year surface rights lease prepaid with extension option
- Experienced EPCM contractor engaged
- Fully permitted for construction and operation
- Excellent resource expansion potential on 7,000 ha of 100% owned concessions encompassing 17.5 km of strike length of geological structure hosting Cerro Prieto
- Premier logistics include on-site water source, nearby paved highway and national power grid, and good mining work force less than one hour travel time from project



## CERRO PRIETO: DRILL, DEFINE, MINE: CRITICAL PATH TO MINING

- Jan 2012** Receipt of permits necessary to construct and operate the Cerro Prieto Mine
- Sep 2011** Seven Year Surface rights lease fully paid
- Aug 2011** Engagement of experience mine construction (EPCM) management
- Mar 2011** Mineralization confirmed on strike length extension
- Dec 2010** Positive Preliminary Economic Assessment completed. Capital cost of \$22.2 million, 157% IRR at \$1350/oz gold and undiscounted cash flow of \$89.5 million
- Jun 2010** Phase Two metallurgical study yields 80% gold recoveries
- Apr 2010** Updated resource calculation: 390,000 oz Gold, 6.19 million oz Silver
- Jul 2009** Phase Two drill program commenced: Infill and extension drilling
- May 2009** Expansion of land holdings
- Jan 2009** First resource estimate, Phase One metallurgical test work begun
- Apr 2008** Phase One drill program commenced
- Mar 2008** Initial Public Offering completed: Cerro Prieto property paid in full



# PRELIMINARY ECONOMIC ASSESSMENT and MINE PLAN

Gold (oz)	Silver (oz)	Undiscounted Cash Flow (millions)	NPV at 5% discount (millions)	IRR %	Payback period (years)
\$1,000	\$18.00	\$45.75	\$37.45	92	0.84
\$1,200	\$21.60	\$70.44	\$58.25	129	0.66
\$1,350	\$29.00	\$89.54	\$74.32	157	0.57



Cerro Prieto Pit (End of Pit Phase 2) Figure 25-8 from PEA December 2010 [Looking N5°W, -25°]





## NI 43-101 COMPLIANT RESOURCE\*

CATEGORY	TONNES > Cut-Off	GOLD (g/T)	SILVER (g/T)	LEAD (%)	ZINC (%)
MEASURED	3,740,000	1.10	15.82	0.19	0.52
INDICATED	11,000,000	0.71	11.82	0.38	1.14
TOTAL M&I	14,740,000	0.81	12.83	0.33	0.98
INFERRED	281,000	0.66	12.55	0.22	0.74

## CONTAINED METAL RESOURCE\*

CATEGORY	TONNES > Cut-Off	GOLD (ounces)	SILVER (ounces)
MEASURED	3,740,000	132,028	1,902,286
INDICATED	11,000,000	251,805	4,180,304
TOTAL M&I	14,740,000	383,833	6,082,590
INFERRED	281,000	5,918	113,383

\*USING 0.25 g/T GOLD CUT-OFF



# CERRO PRIETO PROJECT: EXPLORATION UPSIDE

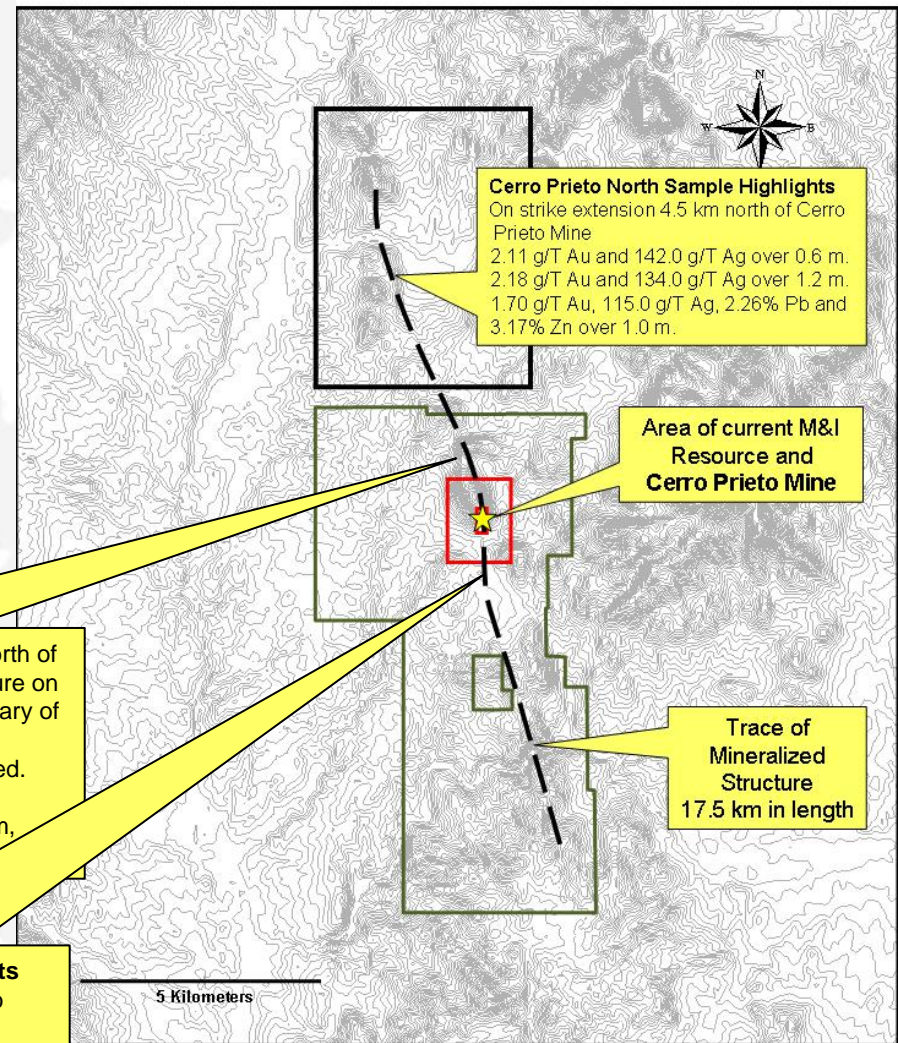
- Deposit remains open on strike to the north and south as well as at depth
- Additional resource development targets identified by surface sampling and drilling
- Potential to fund future resource delineation from cash flow
- 7,000 ha land position contains 17.5 km strike length of mineralized structure with only 1 km drilled in detail
- Newly acquired Reyna de Plata and Huerto de Oro contain four historical mines and strike length of mineralized structures

**Argonauta Concession:** Sampling on strike extension north of Cerro Prieto Mine: 900 meters of outcropping vein structure on the Argonauta concession, starting at the northern boundary of Oroco's Cerro Prieto concessions returned high grade or anomalous gold values along the entire strike length tested.

**Highlights of gold grades include** 14.90 g/T over 1.0 m, 10.05 g/T over 1.0 m and 21.90 g/T over 0.8 m.

**Elba Concession Surface Sample Highlights** on strike extension south of and contiguous to Cerro Prieto Mine.

4.79 g/T Au and 21.0 g/T Ag over 5.2 m  
2.49 g/T Au and 93.0 g/T Ag over 8.0 m  
4.64 g/T Au and 53.3 g/T Ag over 5.5 m  
4.08 g/T Au and 36.2 g/T Ag over 9.8 m



# CERRO PRIETO PROJECT: EXPLORATION UPSIDE

- **2,000 METER DRILL PROGRAM UNDERWAY: DECEMBER 2011**
- Continuously mineralized on surface for over 2 km with gold grades ranging from anomalous to 21.9 g/T Au
- Mineralization on Elba concession in favourable host rock

**Argonauta Concession:** Sampling on strike extension north of Cerro Prieto Mine: 900 meters of outcropping vein structure on the Argonauta concession, starting at the northern boundary of Oroco's Cerro Prieto concessions returned high grade or anomalous gold values along the entire strike length tested.

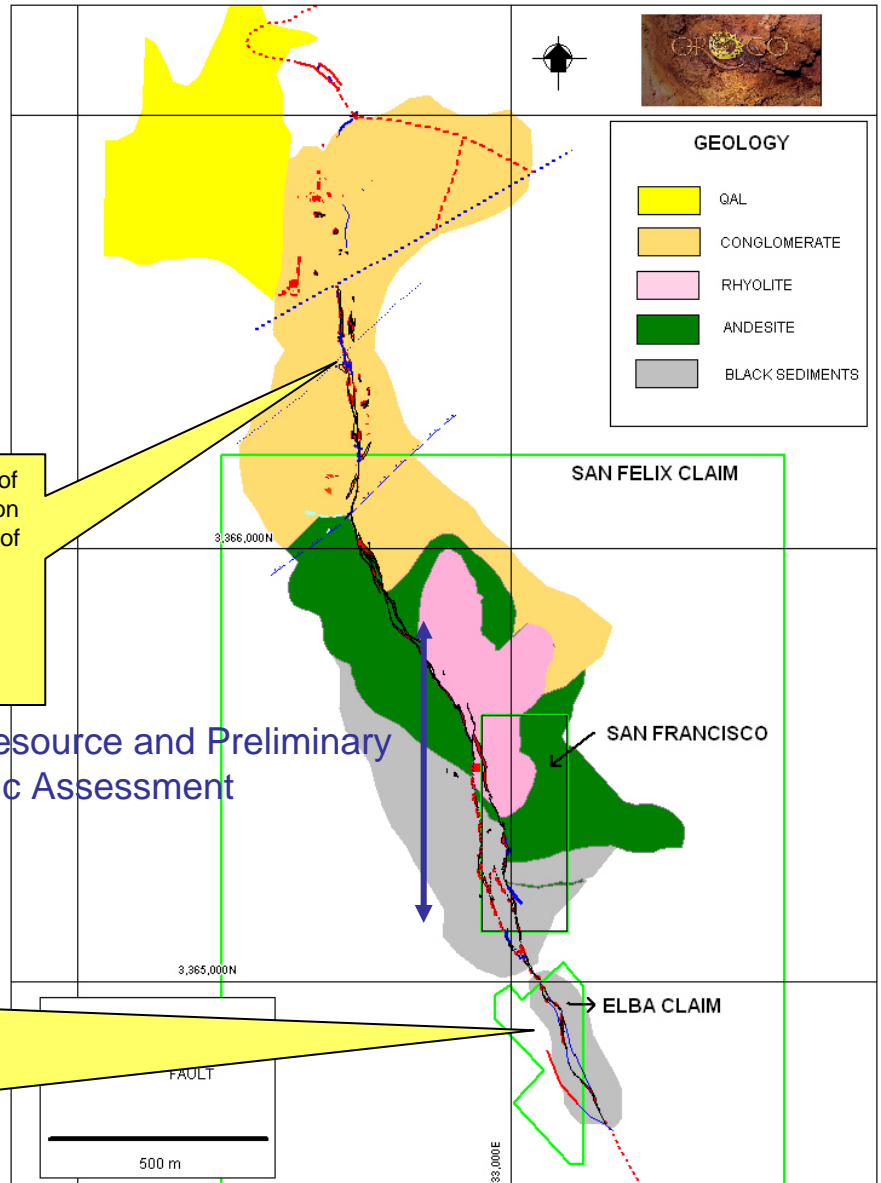
**Highlights of gold grades include** 14.90 g/T over 1.0 m, 10.05 g/T over 1.0 m and 21.90 g/T over 0.8 m.

Area of Current Resource and Preliminary Economic Assessment

**Elba Concession Surface Sample Highlights** on strike extension south of and contiguous to Cerro Prieto Mine.

- 4.79 g/T Au and 21.0 g/T Ag over 5.2 m
- 2.49 g/T Au and 93.0 g/T Ag over 8.0 m
- 4.64 g/T Au and 53.3 g/T Ag over 5.5 m
- 4.08 g/T Au and 36.2 g/T Ag over 9.8 m

**2,000 METER DRILL PROGRAM UNDERWAY: DECEMBER 2011**



# CERRO PRIETO PROJECT: 3D UNDERGROUND ANIMATION\*



\* Complete animation available at [www.ororesourcecorp.com](http://www.ororesourcecorp.com)

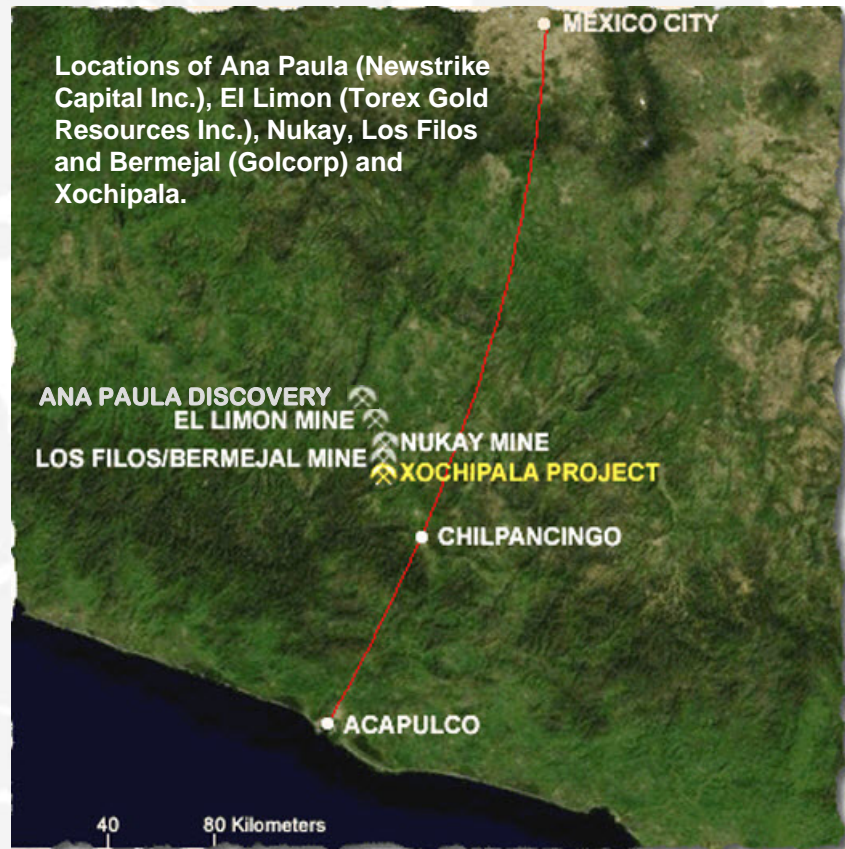
## XOCHIPALA PROJECT, GUERRERO GOLD BELT

Oroco acquired in 2007 a 100% interest in the **Xochipala Project**, consisting of important and historical concessions contained within the original **Morelos National Mining Reserve** (more recently dubbed the **Guerrero Gold Belt**).

Xochipala was the site of the original gold discovery in what subsequently became the Morelos National Mineral Reserve. A small, family owned mine and mill operated on the property exploiting high grade underground mineralization.

The 47,600 hectare Morelos Mineral Reserve was created in 1983 during the Administration of President Miguel de la Madrid. All claims in good standing in the area, as was Xochipala, remained in the hands of private owners. Subsequent exploration in the region has generated gold reserves and resources in excess of 15 million oz of gold.

Xochipala hosts the same gold skarn porphyry mineralization model that forms the dominant style of known deposits within the Guerrero Gold Belt. The **Xochipala Intrusion** contained within the boundaries of Oroco's concessions remains among the last in the region as yet untested by exploration drilling.

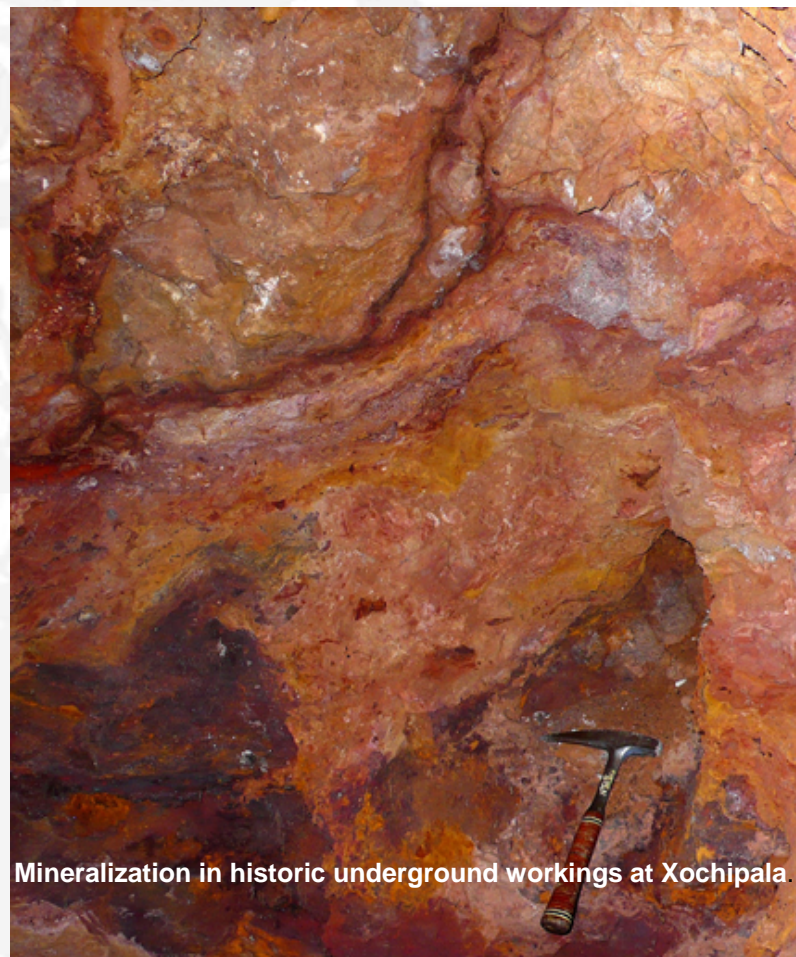


## XOCHIPALA PROJECT, GUERRERO GOLD BELT

*“The Xochipala claims cover ground in the Guerrero Gold Belt sufficient to potentially generate reserves greater than 1 million ounces gold in ore bodies similar to the productive high-grade ore bodies that have been discovered in the past within the region.” (Report on the Xochipala Property “Morelos” National Reserve District, Guerrero, Mexico, Prepared by Tawn Albinson F., M.Sc., in 1997)*

The Guerrero Gold Belt is a series of intrusions that follow a +35 Km NW trend of magnetic anomalies. All gold mineralization discovered in the Guerrero Gold Belt occurs in clusters around these intrusions. Gold deposits along this trend include **El Limon (Torex Gold Resources Inc.)**, **Nukay**, **Los Filos** and **Bermejil (Golcorp)** and **Ana Paula (Newstrike Capital Inc.)**.

Each currently defined deposit within this trend contains in excess of 3.0 million oz gold with a significant new discovery by Newstrike remaining to publish a resource estimate. Upon completion of resource calculations based on ongoing drilling at the Guerrero Gold Belt, total gold reserves and resources could exceed 20 million ounces.



Mineralization in historic underground workings at Xochipala.





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