



2014 Precious Metals Summit
Beaver Creek, Colorado, USA
Ben Whiting & Steve Cope

Exploring for Precious and Base Metals in Sweden, Mexico and Canada



September 10-12, 2014



Forward Looking Statements

CAUTIONARY NOTE TO US INVESTORS

The United States Securities and Exchange Commission ("SEC") permits US Mining companies, in their filings with the SEC, to disclose only those mineral deposits that a company can economically and legally extract or produce. We use certain terms in this presentation, such as "measured", "indicated", and "inferred" resources, which the SEC guidelines strictly prohibit US registered companies from including in their filings with the SEC. Any estimates of mineral resources shown in Orex Mineral Inc.'s presentation have been prepared in accordance with definition standards of the Canadian National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101"), which may differ from definition standards of the United States Securities and Exchange Commission ("SEC") Industry Guide 7.

QUALIFIED PERSON

All technical content found in the Orex Minerals Inc. presentation has been reviewed & approved by Ben Whiting, MSc., P.Geo., Chief Geologist of Orex Minerals Inc. and a Qualified Person under Canadian NI 43-101 Standards of Disclosure for Mineral Projects.

This presentation of Orex Minerals Inc. (the "Company") contains "forward-looking information" within the meaning of the United States "Private Securities Litigation Reform Act of 1995" and applicable Canadian securities legislation. Statements containing forward-looking information express, as at the date of this presentation, the Company's plans, estimates, forecasts, projections, expectations, or beliefs as to future events or results and Orex does not intend, and does not assume any obligation to, update such statements containing the forward-looking information. Generally, forward-looking information can be identified by the use of forward-looking terminology such as "plans," "projects," or "projected," "expects," or "does not expect," "is expected," "estimates," "forecasts," "scheduled," "intends," "anticipates," or "does not anticipate," or "believes," or variations of such words and phrases, or statements that certain actions, events or results "may," "can," "could," "would," "might," or "will be taken," "occur," or "be achieved." Statements containing forward-looking information include, but are not limited to, statements with respect to the anticipated economic returns of any of the Company's projects, the expected results from exploration activities, the economic viability of the development of newly discovered ore bodies, the accuracy of mineral resource estimates, future production levels, the requirements for additional capital, the results of drilling, and Orex's commitment to, and plans for developing, newly discovered and existing mineralized structures.

Statements containing forward-looking information involve known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of Orex Minerals Inc. and its operations to be materially different from those expressed or implied by such statements. Such factors include, among others, the actual results of current exploration activities, future prices of silver and gold, unpredictable risks and hazards relating to the development of our projects, and the speculative nature of exploration and development. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements, there may be other factors that cause results to be materially different from those anticipated, described, estimated, assessed or intended. There can be no assurance that any statements containing forward-looking information will prove to be accurate as actual results and future events could differ materially from those anticipated in such statements. Accordingly, undue reliance should not be placed on statements containing forward-looking information.



It Takes a Team



*Photo (left to right):
Ben Whiting, Gary Cope, George Cavey, Art Freeze*

Gary Cope

President, Director

Ben Whiting, M.Sc., P.Geo.

Vice President Exploration

Art Freeze, P.Geo.

Director & Technical Advisor

Dale Brittliffe, P.Geo.

Technical Advisor

George Cavey, P.Geo

Advisor to Board

Orex's management team has the proven ability to discover & develop quality exploration projects that maximize shareholder value---the same team is widely recognized for the **discovery** of Orko Silver Corp's **La Preciosa Silver-Gold Deposit** in Durango, Mexico.



Capital Structure

Current as of June 25, 2014

Share Structure

Issued	92,677,199
Warrants (avg. price \$0.48)	20,104,748
Options (avg. price \$0.54)	5,174,000
Agent's Options (\$0.25)	1,286,180
Fully Diluted Shares	119,242,127

Notable Shareholders

Ingalls and Snyder	9%
US Global	5%
Fresnillo	5%
Coeur Mining	1%
Northland Exploration Sweden AB	9%
Management	18%



Avg. Daily Vol. (12 Wks)	193,721
52-Week High	\$0.34
52-Week Low	\$0.19
Price – June 25, 2014	\$0.32

ORXIF - US OTC Pink Sheets

OV2N.F - Frankfurt Exchange



Project Portfolio

CANADA

Gold - Copper



SWEDEN

Gold and Polymetallic

BARSELE

JUMPING JOSEPHINE

LOS CRESTONES



CONETO

MEXICO

Gold - Silver - Copper



Barsele Gold Project



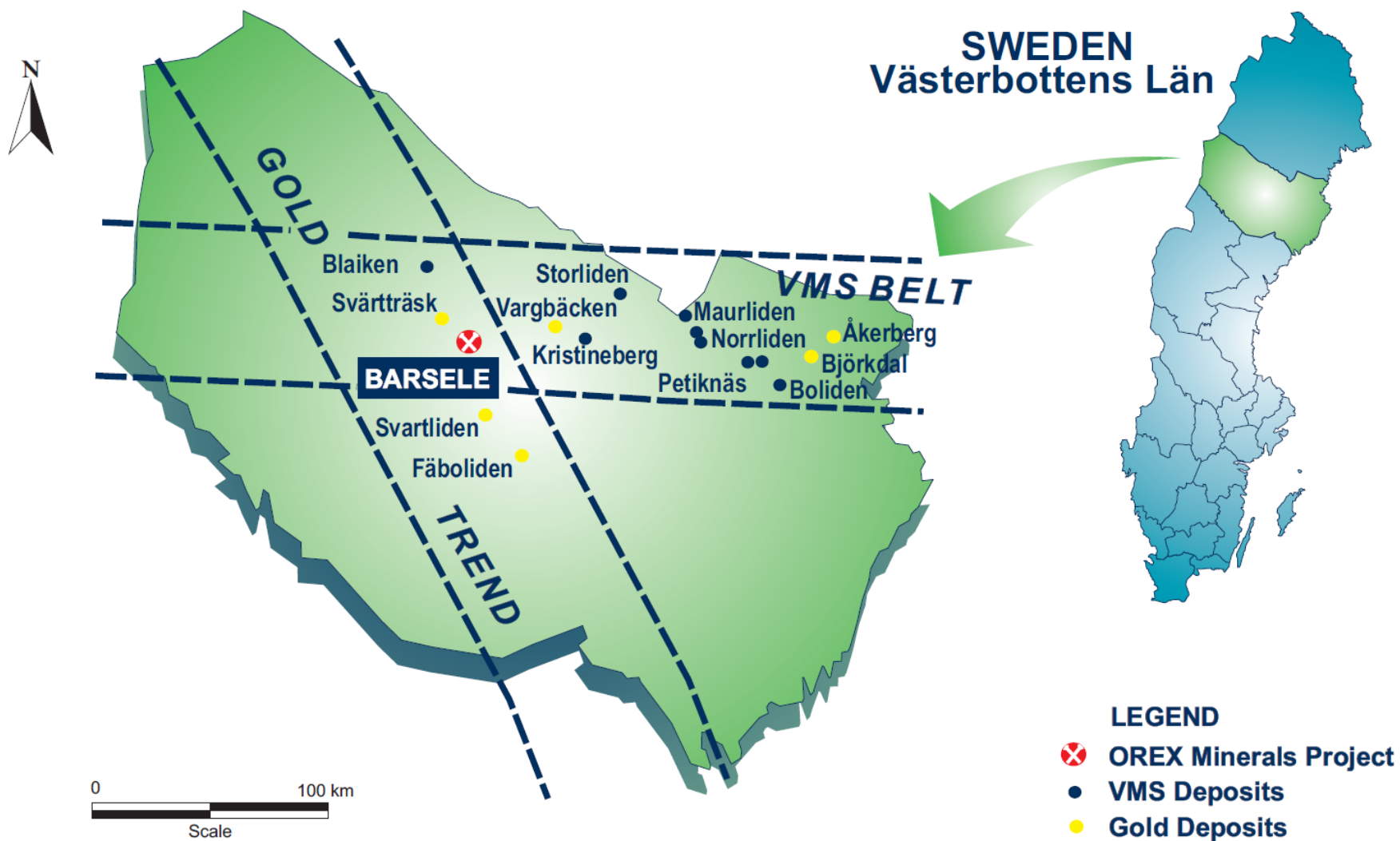
100% ownership of 32,709 hectares (80,826 acres) of mineral concessions



Storuman
Västerbottens Län
SWEDEN



Barsele Gold Project



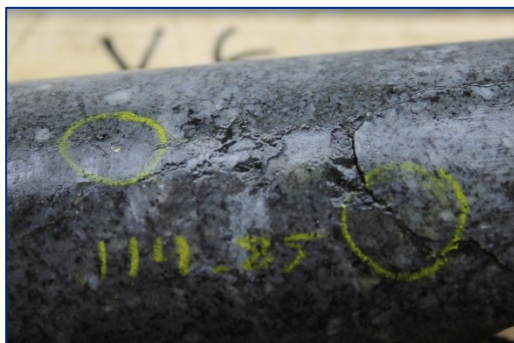
- Located 600 km N of Stockholm
- Orex has 100% Ownership
- Property is set in midst of the Fennoscandian Shield
- Host rocks part of prolific Proterozoic “Skellefte Trend”, where it meets ‘Gold Line’ of Sweden
- Existing 2% NSR which can be purchased for US\$4 Million



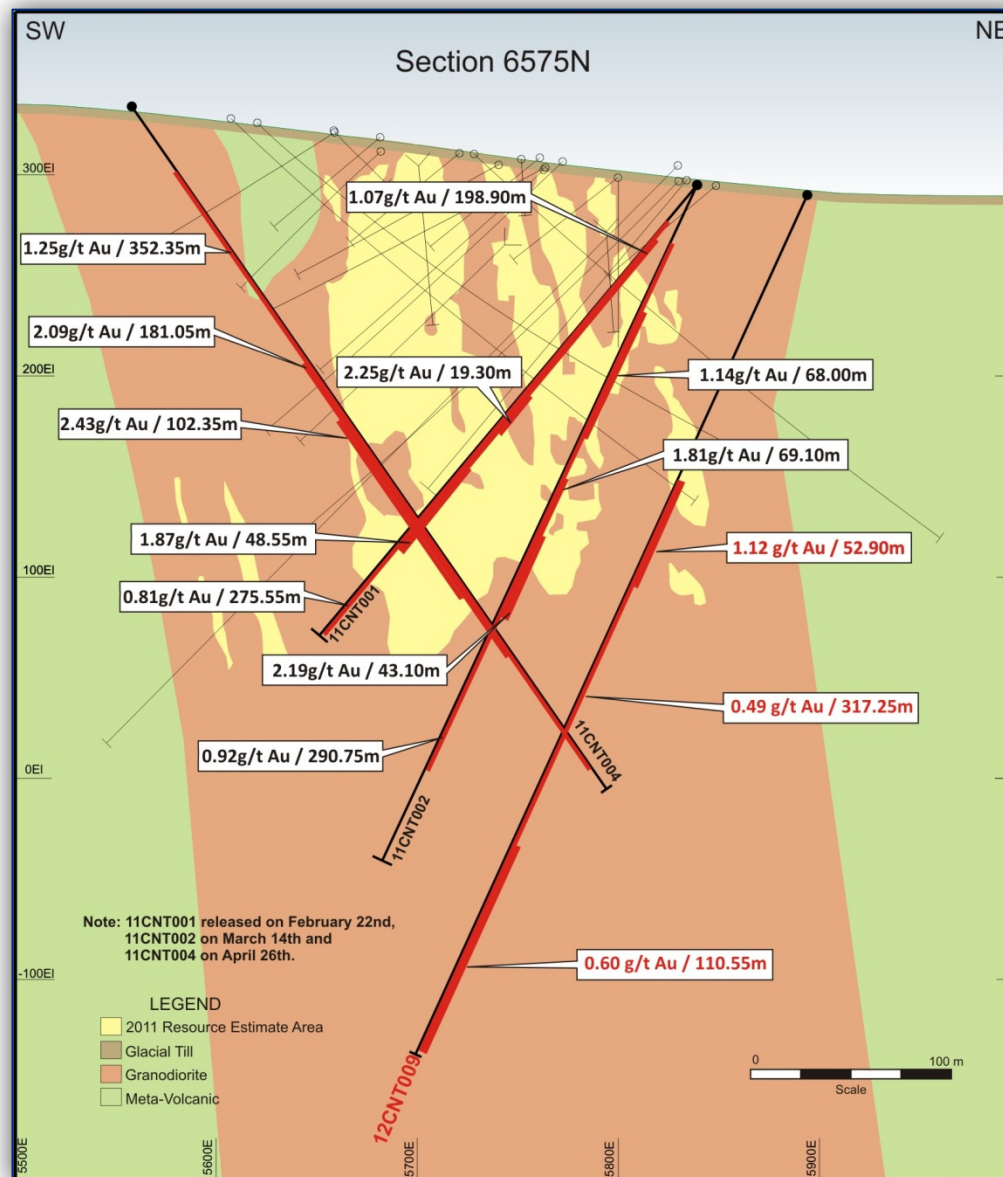
Phase-I Diamond Drill Results

Central Zone – Select Drill Intercepts

Hole	From (m)	To (m)	Core Length (m)	Au (g/t) Au-AA26
11CNT001	16.75	292.30	275.55	0.81
includes	35.40	234.30	198.90	1.07
11CNT002	29.65	320.40	290.75	0.92
includes	165.30	234.40	69.10	1.81
11CNT004	41.00	393.35	352.35	1.25
includes	157.05	338.10	181.05	2.09
11CNT005	171.20	424.80	253.60	0.65
includes	317.05	424.80	107.75	1.02
11CNT008	73.70	377.35	303.65	1.34
includes	115.35	302.70	187.35	1.95



← Visible Gold



Central Zone
Cross-Section



NI 43-101 Resource Estimate – Nov. 5, 2012

Central-Avan-Skiråsen Gold Zones

Indicated Resources:

547,000 oz Au

Inferred Resources:

627,000 oz Au

Au Cut-off (g/t)	Zone	Resource Category	Tonnes	Au Grade (g/t)	Contained oz Au
0.60	Central	Indicated	13,610,000	1.22	532,000
	Central-Skiråsen	Inferred	9,840,000	1.08	340,000
	Avan	Indicated	490,000	0.97	15,000
		Inferred	10,360,000	0.86	287,000
	TOTAL	Indicated	14,100,000	1.21	547,000
		Inferred	20,200,000	0.97	627,000

Norra VMS Zone

Indicated Resources: 3.13 g/t Au (11,000 oz), 30.27 g/t Ag, 0.53% Cu, 0.72% Zn

Inferred Resource: 1.62 g/t Au (16,000 oz), 12.69 g/t Ag, 0.26% Cu, 0.42% Zn

Au Cut-off (g/t)	Cut-off (tonnes)	Grade > Cut-off							
		Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Au oz	Ag oz	Cu lbs	Zn lbs
Indicated									
0.60	110,000	3.13	30.27	0.53	0.72	11,000	107,000	1,286,000	1,746,000
Inferred									
0.60	310,000	1.62	12.69	0.26	0.42	16,000	126,000	1,777,000	2,871,000

Exploration Objectives

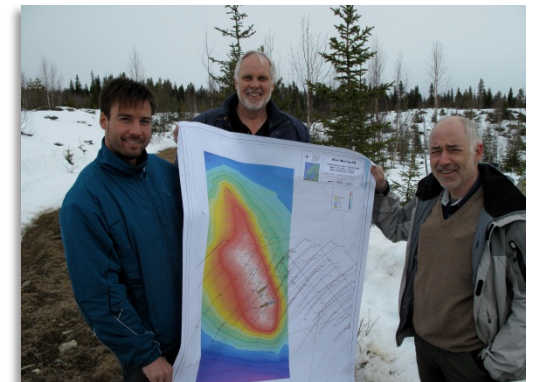
Orex is exploring for a target deposit size of more than **1.5 – 2 million oz of gold.**

Phase-I Drill Program
6,200 m **completed**
16 Holes in Central
Zone, plus 4 Holes in
Avan Zone

Prospecting, Mapping,
Sampling & Geophysics

Environmental
Studies & New
Project
Acquisitions
Underway

Phase-II
Diamond Drill
Program
Upcoming



Coneto & Los Crestones Projects





Coneto Silver-Gold Project



100% ownership of 15,700 hectares (38,800 acres) of mineral concessions



Coneto de Comonfort
Durango State
MEXICO

Coneto Silver-Gold Project



- In the heart of the “Mexican Silver Trend” which hosts some of world's largest silver deposits:
 - Fresnillo
 - Guanajuato
 - La Pitarrilla
 - La Preciosa
 - Real de Angeles
 - Zacatecas
- Located 100 km N of city of Durango, Mexico, in the Mesa Central
- Coneto Mining Camp has over 450 years of mining history, yet remains underexplored by modern methods



Coneto Silver-Gold Project



Fresnillo PLC Association Agreement Summary



Time Frame	Fresnillo PLC Exploration Spending US \$	Orex Minerals Inc.
✓ Year One - Completed	\$2,000,000	-
✓ Year Two - Completed	\$2,000,000	-
Year Three - Confirmed	\$2,000,000	-
Total Exploration Expenditure	\$6,000,000	-
Mining Concessions	NewCo 55% Ownership US \$6,000,000 spent + combined 17,600 ha	NewCo 45% Ownership



Coneto Silver-Gold Project



Phases-I & II Diamond Drill Results

Select Drill Intercepts

Hole	Vein	From (m)	To (m)	Core Length (m)	True Width (m)	Au (g/t)	Ag (g/t)	Ag-Eq (g/t)
CC-10-01	Loma Verde	184.10	192.90	8.80	7.72	0.47	165	193
	Incl.	188.70	192.40	3.70	3.03	0.45	265	292
CC-10-12	Impulsora	109.40	123.90	14.50	13.65	0.94	48	105
	Incl.	116.00	120.90	4.90	4.60	1.60	115	211
CC-10-20	Loma Verde	144.50	148.10	3.60	3.12	0.98	292	351
	Incl.	145.00	147.60	2.60	2.25	1.14	369	437
BCO-02	Loma Verde	268.45	281.00	12.55	10.27	3.08	138	299
	Incl.	269.95	278.00	8.05	6.34	4.22	168	390
BCO-11	La Bufa	116.35	122.75	6.40	5.23	2.41	129	256
	Incl.	120.35	122.75	2.40	1.98	6.08	187	506
BCO-11	Santa Niña	205.40	208.70	3.30	2.70	4.24	612	840

Oxide Mineralization

#242496 = Au 2.580 g/t, Ag 118 g/t

#242495 = Au 1.185 g/t, Ag 67.3 g/t

#242494 = Au 0.396 g/t, Ag 64.4 g/t

#242493 = Au 6.34 g/t, Ag 142 g/t

Sulphide Mineralization



Hole BCO-11 – Sample # 324423

Au = 38.3 g/t – Ag = 4,990 g/t

Cu = 1.39 % – Pb = 2.51 % – Zn = 3.51 %

Exploration Objectives

Target size = > 100 million oz of silver equivalent

Phase-I



Completed

5,000 metres 21 Holes on
7 targets

Phase-II



Completed

12,000 metres 31 holes on 8 targets

Phase-III



Ongoing

10,800 metres 28 holes



Los Crestones Gold-Silver-Copper Project



Option to Purchase 100% of Los Crestones Property in Sierra Madre Occidental – within the Gold-Silver Trend of Western Mexico

Located near Surutato, 100 km N of city of Culiacan, Sinaloa State, Mexico





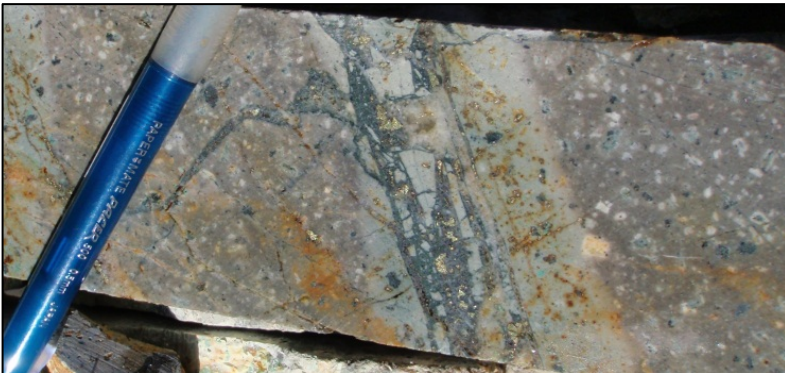
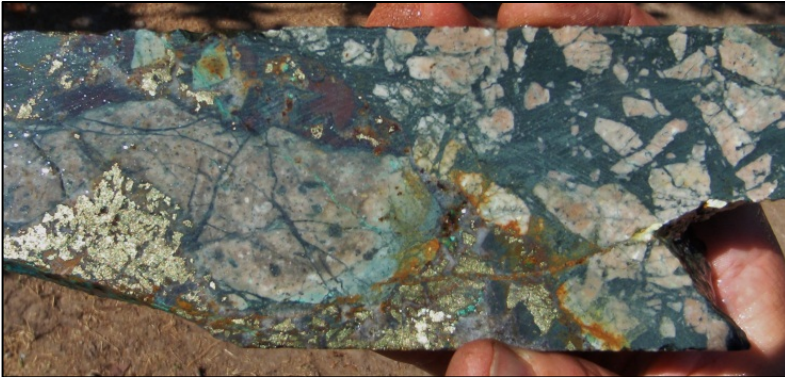
Los Crestones Gold-Silver-Copper Project



- Earning 100% over four years for total US\$750,000 (\$445,000 remaining) vendors retain 0.5% NSR
- Mineral Claims, 4,168 hectares (10,670 acres)
- Porphyry and Vein-Hosted Gold-Silver-Copper Targets



Diamond Drilling



Completed

2,800 metres in 18 holes from 7 pads tested outcropping mineralized structures 23

Gold, Silver, Copper Mineralization

Hole	Vein	From (m)	To (m)	Core Length (m)	True Width (m)	Au (g/t)	Ag (g/t)	Cu (%)
11LD-006	Indio	138.15	141.24	3.09	2.18	0.14	479	3.50
	Incl.	138.15	139.24	1.09	0.77	0.24	1,230	8.91
11LD-008	Indio	73.05	75.54	2.49	1.76	20.40	22	0.82
	Incl.	73.05	74.05	1.00	0.71	49.90	33	1.35
11LD-010	Bohemia	50.00	54.00	4.00	2.83	9.13	42	0.55
	Incl.	50.00	51.00	1.00	0.71	30.00	150	1.06
11LD-011	Bohemia	55.00	60.00	5.00	3.54	39.10	93	2.13
	Incl.	59.00	60.00	1.00	0.71	162.50	270	3.02
11LD-015	Bohemia	72.58	73.51	0.93	0.66	1.26	37	2.01
	Incl.	72.58	73.10	0.52	0.37	0.32	64	3.57
11LD-016	Indio	19.65	21.60	1.95	1.38	0.07	104	0.75
	Incl.	19.65	20.60	0.95	0.67	0.06	170	0.88



Los Crestones Gold-Silver-Copper Project



Ongoing Exploration

Initial Target = 1 million oz of gold equivalent

COMPLETED PROGRAM

Initial Reconnaissance
Geochemistry
Phase-I Diamond Drilling
Program

CURRENT PROGRAM

Property Wide Mapping
and Prospecting
Surface I.P. Geophysics
Phase-II Diamond Drilling
Program

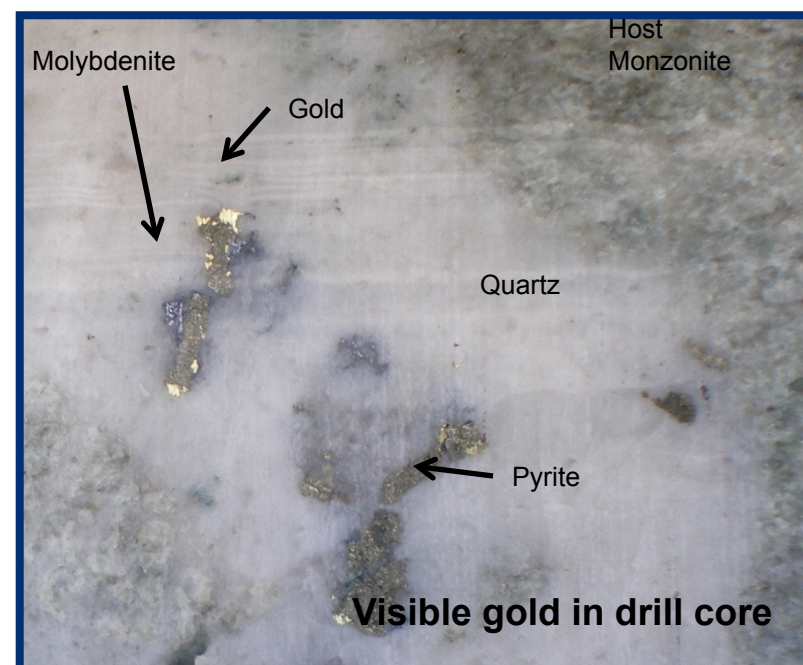
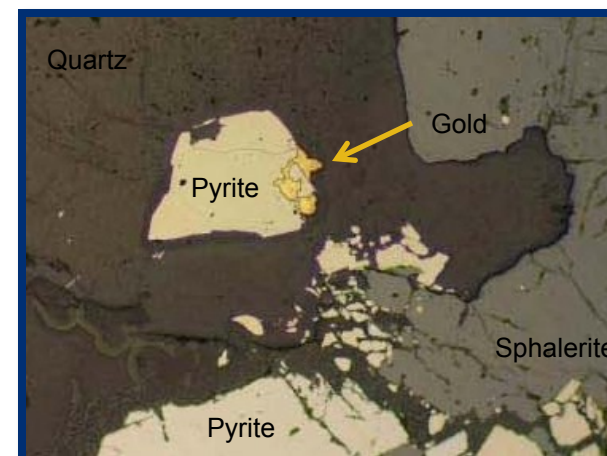




**100% ownership of 11,200 hectares (28,700 acres) in the
West Kootenay Region, Southwestern BC, Canada**



Drilling to date has identified a NI 43-101-compliant resource estimate (using a cut-off of 0.5 g/t Au) that has defined **34,000 ounces of gold indicated** (363,000 tonnes grading 2.95 g/t Au) and **30,000 ounces of gold inferred** (448,000 tonnes grading 2.08 g/t Au) (June 24, 2011)



Diamond Drilling Highlights

Hole	Vein	From (m)	To (m)	Core Length (m)	True Width (m)	Au (g/t)	Ag (g/t)	Au-Eq (g/t)
07JD001	JJ Main	6.00	16.00	10.00	9.06	10.0	14	10.2
	incl	7.00	9.00	2.00	1.81	42.6	57	43.6
07JD013	JJ Main	46.00	65.00	19.00	12.21	7.0	9	7.2
	incl	48.00	50.00	2.00	1.29	22.2	57	23.2
07JD032	JJ Main	29.00	33.00	4.00	3.63	15.2	25	15.6
	incl	29.00	30.00	1.00	0.91	56.4	95	58.1
07JD048	JJ Main	54.00	62.00	8.00	7.25	12.4	5	12.5
	incl	56.00	59.00	3.00	2.72	26.9	6	27.0
08JD092	JJ Main	118.00	122.00	4.00	3.63	21.0	9	21.2
	incl	118.00	120.00	2.00	1.81	38.3	15	38.6
10JD136	Cedar	5.00	8.10	3.10	2.33	2.3	42	3.0
10JD137	Cedar	12.00	13.20	1.20	0.90	3.4	284	8.6



Jumping Josephine Gold Project



Ongoing Exploration

Initial Target = 500,000 oz of Gold in Southern British Columbia

COMPLETED

- 5,000 Point Surface Geochemistry
- 140 Diamond Drill Holes
- Airborne Magnetic and EM Survey
- Initial I.P. ground geophysics Survey
- Initial 43-101 compliant resource

CURRENT PROGRAM – 2014

- Diamond Drilling testing extensions to ore zone and additional showings
- Surface Geophysics
- Trenching





Orex Advantages

Orex has Four Projects in Three Mining Friendly Jurisdictions

- **Barsele** has 2 types of mineralization and an advanced resource:
 - Orogenic Gold Deposits at surface
 - Volcanogenic Massive Sulphides (VMS) polymetallic deposits
- **Coneto** has a Joint Venture with silver mining giant Fresnillo PLC:
 - Over 50 epithermal veins on the Coneto property
 - Both structurally controlled veins and broader stockwork zones
- **Los Crestones** has high grade gold, silver and copper:
 - Multiple mineralized structures, with very little historic exploration
 - Potential for porphyry style gold-copper system at depth
- **Jumping Josephine** has high grade gold deposit:
 - Epithermal style of mineralization
 - NI-43-101 Resource on the JJ Main Zone



There is More to be Discovered!



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