



Exploring for Silver and Gold in Mexico and Canada

Beaver Creek 2016 Company Delegates

Gary Cope President & CEO
Ben Whiting VP of Exploration
Steve Cope Corporate Development



September 2016



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., Vice President Exploration 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

Steve Cope

Manager Corporate Development

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, amongst other discoveries.



Capital Structure

Current as of Sept 9, 2016

Share Structure

Issued	112,831,379
Warrants (avg. price \$0.30)	5,967,500
Options (avg. price \$0.29)	9,419,000
Fully Diluted Shares	128,217,879

Notable Shareholders

Ingalls and Snyder Broker Accounts	25%
US Global	12%
Fresnillo	4%
Management	25%



Avg. Daily Vol. (12 Wks)	184,584
52-Week High	\$1.38
52-Week Low	\$0.105
Current Price	\$1.12

ORMNF - OTCQX

OV2N.F - Frankfurt Exchange



Cash and Future Income

Strong Financial Position

- **Currently CAD\$6 Million**
- **Future Payment of US\$2 Million in Q2 2017 from Agnico Eagle Mines Ltd.**
- **Orex holds 2% NSR on Barsele Gold deposit, which Agnico Eagle can buy from Orex for US\$5 Million**





Project Portfolio

3 Projects and 2 Joint Venture Partners



MEXICO – SANDRA ESCOBAR – JV with
Silver – Gold – Base Metals



MEXICO – CONETO PROJECT - JV with
Gold – Silver



CANADA – JUMPING JOSEPHINE PROJECT
Gold - Copper



Joint Venture in over 6,976 hectares (17,860 acres) of mineral concessions



**A new Joint-Venture Silver-Gold Project
with Canasil Resources Inc.
in Tepehuanes, Durango State, Mexico**



Terms of the Sandra Escobar Joint Venture (JV announced 15 Sep 2015)

- **First Option – A right for Orex to earn 55% of Sandra Escobar**
- **\$ 500,000 cash payment to Canasil (completed).**
- **Work commitment of \$ 2,000,000 over three years**

- **Second Option – A right for Orex to earn a further 10% of Sandra Escobar for a total of 65% ownership interest.**
- **\$ 500,000 cash (or shares) payment to Canasil.**
- **Work commitment of \$ 2,000,000 over two years following completion of the First Option.**





Sandra Escobar Silver-Gold Project

Highlights Phases 1&2 Drill Intercepts

Hole	From (m)	To (m)	Core Length (m)	True Thickness (m)	Ag (g/t)
SA-15-001	1.00	62.00	61.00	43.13	359
SA-15-002	1.00	52.00	51.00	45.00	218
SA-15-003	1.00	54.00	53.00	40.60	139
SA-16-005	13.00	59.00	46.00	33.31	186
SA-16-006	13.00	50.00	37.00	33.50	328
SA-16-009	11.00	43.00	32.00	30.00	255
SA-16-015	32.00	76.00	44.00	36.04	129
SA-16-019	24.00	84.00	60.00	49.15	205
SA-16-023	44.00	90.00	46.00	40.50	218
SA-16-038	1.85	48.00	46.15	26.00	156
SA-16-041	2.00	69.00	67.00	58.02	192
SA-16-042	27.00	83.00	56.00	48.50	129

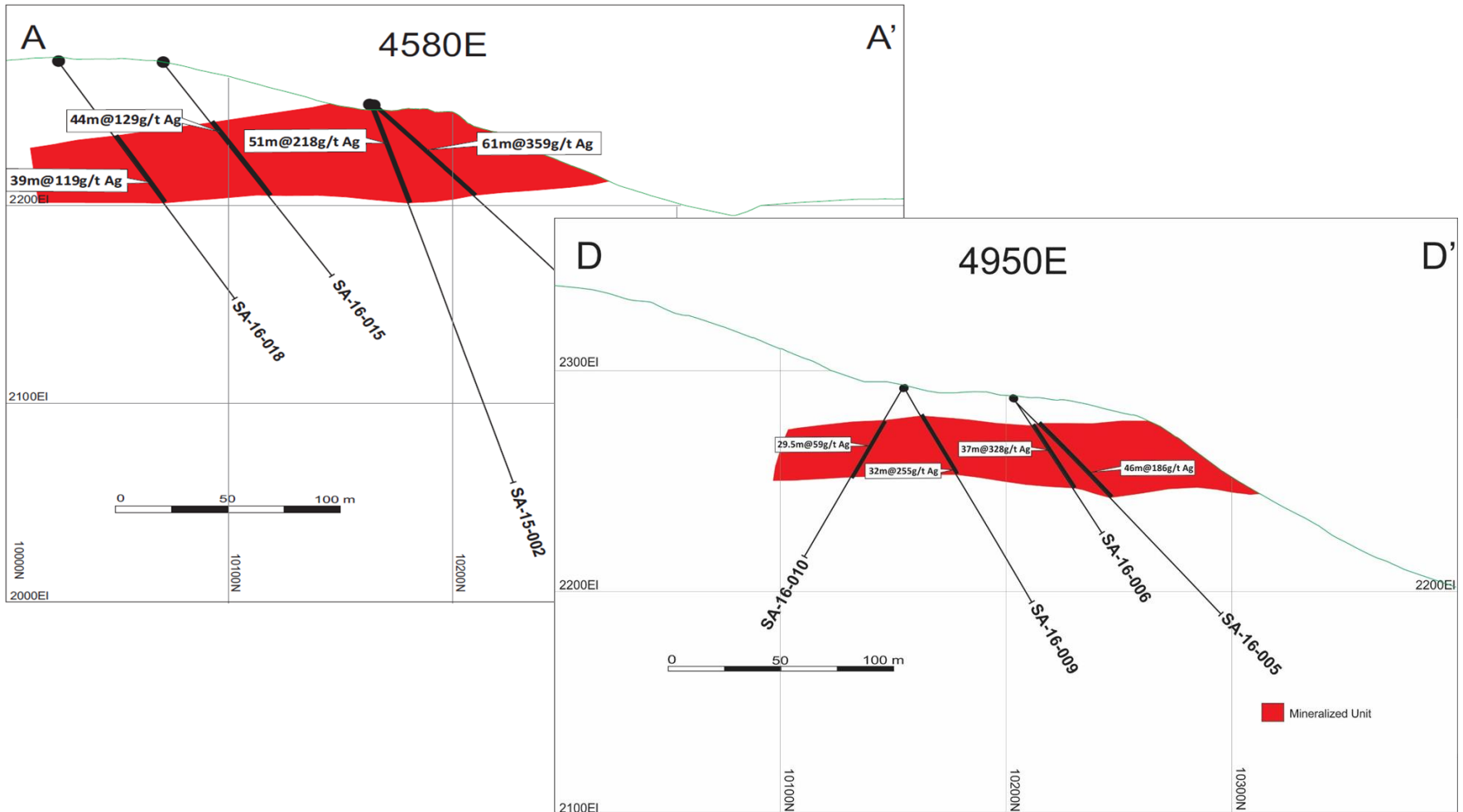


Drill Locations from Phase I, II, and Part of III

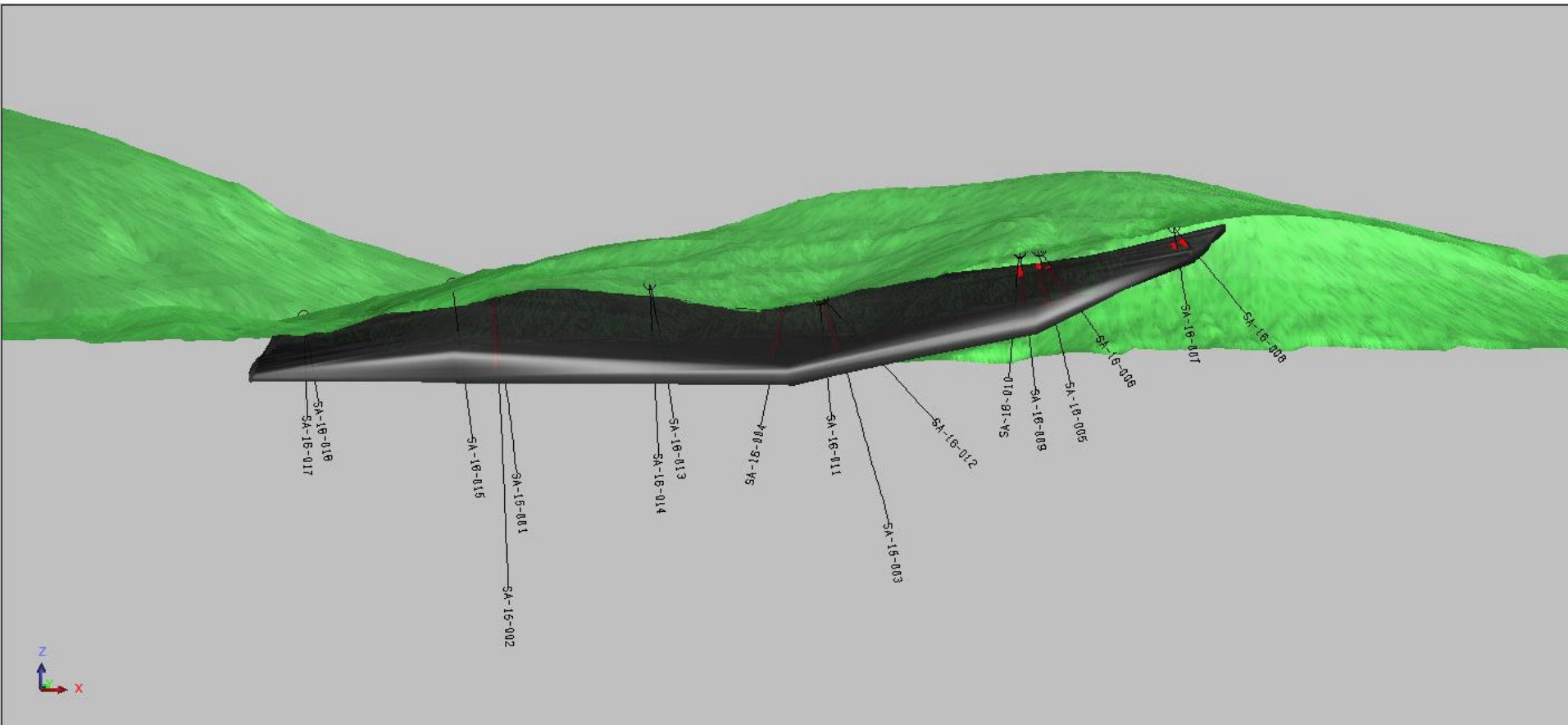


Sandra Escobar Silver-Gold Project

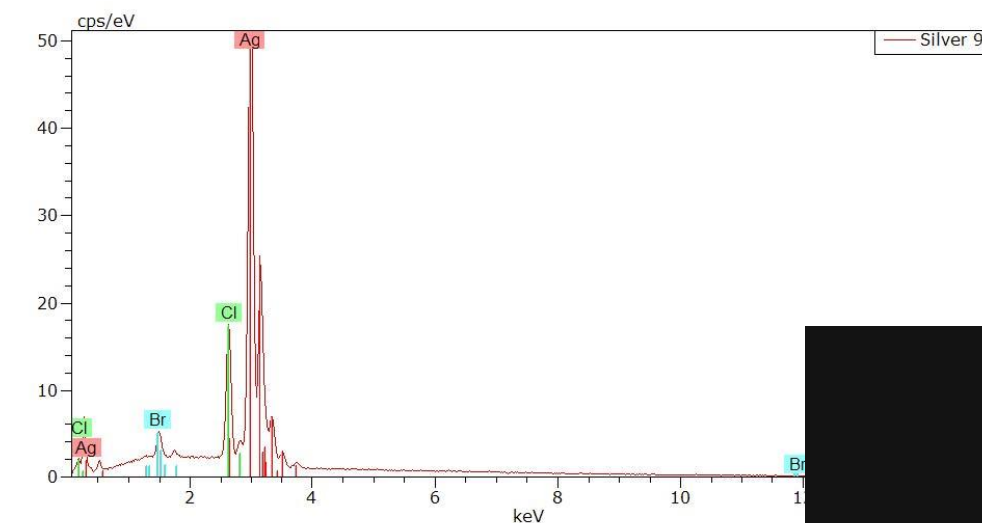
Sample Cross Sections



3D View of the Main Zone, Boleras Silver Deposit



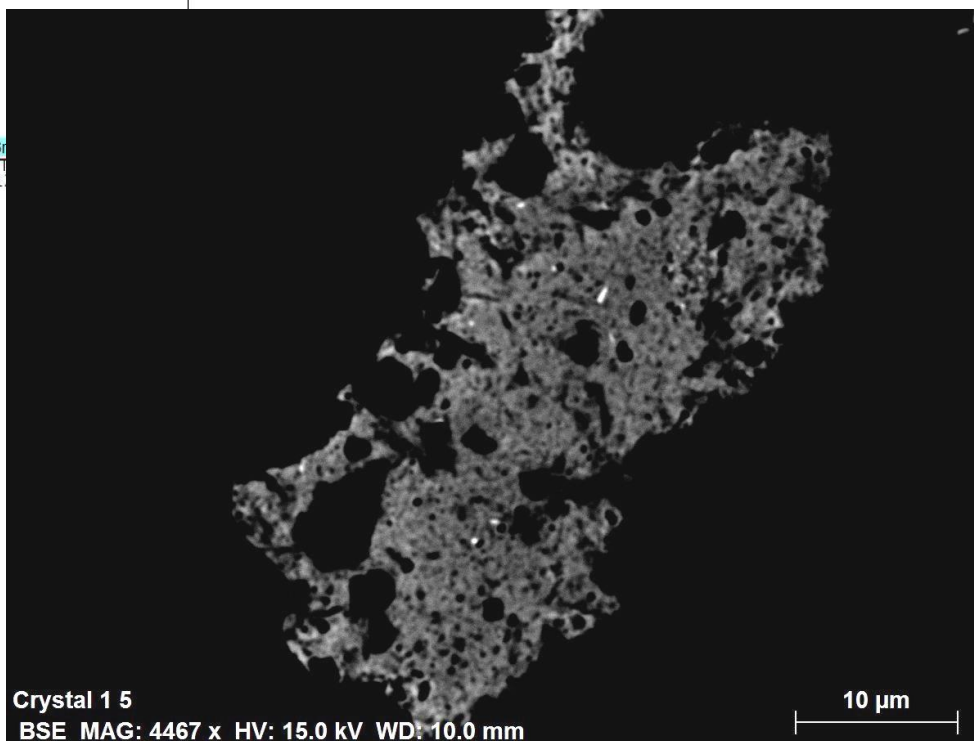
Native Silver with Trace Chlorine and Bromine



Silver 9 Date: 3/21/2016 4:27:23 PM HV: 15.0kV Puls th.: 26.75kcps

El	AN	Series	unn. C [wt.%]	norm. C [wt.%]	Atom. C [at.%]	Error (1 Sigma) [wt.%]
Ag	47	L-series	80.14	89.70	77.68	2.53
Cl	17	K-series	6.27	7.01	18.48	0.24
Br	35	L-series	2.93	3.28	3.84	0.17
Total:			89.34	100.00	100.00	

Silver element spectra and Backscatter Electron Image of a grain of Native Silver (89.7 wt% Ag)



Sandra Escobar Silver-Gold Project

Examples of Sandra-Escobar Mineralization



Permeable Volcaniclastic in Core



Sandra Escobar Southeast – Burro Zone Stockwork



Sandra Escobar Silver-Gold Project

XRF Unit in the Field



**45% ownership of 15,700 hectares (38,800 acres) of
mineral concessions**



**Coneto de Comonfort
Durango State
MEXICO**



- 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
- Coneto Mining Camp has over 450 years of mining history, yet remains underexplored by modern methods
- Property is set in the Mesa Central

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 - Completed	\$2,000,000	-
Total Exploration Expenditure	\$6,000,000	-
Mining Concessions Combined 17,600 ha	NewCo 55% Ownership	NewCo 45% Ownership

Select Diamond 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-10-12	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
	Santo Niño	395.40	398.70	3.30	2.70	4.34	612	840
	Incl.	397.50	398.70	1.20	0.98	11.77	1,655	2,273
BCO-66	Loma Verde	364.75	369.60	4.85	3.45	3.22	238	432
	Incl.	367.30	369.60	2.30	1.63	6.72	496	899
BCO-68	Durazno-A	361.60	362.65	1.05	0.86	34.50	30	2,100
	Durazno	426.00	434.45	8.45	6.92	1.71	3	105
	Incl.	433.00	434.45	1.45	1.19	5.03	6	308

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

2010

Orex Completes
Phase 1 5,000m 21
hole program

2012-14

Fresnillo has
completed Phases-
2 to 4 drilling and
the total now is at
93 holes for 33,400
metres

2016

Phase 5 US\$1
million exploration
program, includes
5,000 metres of
diamond drilling

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

- NI 43-101-compliant resource estimate (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)
- 40 km North of Teck's Smelting Operations in Trail, BC
- Easy All Weather Road Access, Moderate Terrain, Low Expl. Costs





Orex Advantage

Orex Summary

- Three projects in two strong mining jurisdictions
- Two friendly JV partners
- Strong cash position
- Steady news flow - active drill programs in 2015-16
- Management Team Experienced at Delivering Results



There is More to be Discovered !





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