Safe harbor statement & cautionary note to U.S. investors concerning resource estimates

This presentation contains forward-looking statements that include risks and uncertainties. The factors that could cause actual results to differ materially from those indicated in such forward-looking statements include changes in the prevailing price of gold, the Canadian-U.S. exchange rate, grade of ore mined and unforeseen difficulties in mining operations that could affect revenue and production costs. Other factors such as uncertainties regarding government regulations could also affect the results. Other risks may be detailed from time to time in Richmont Mines Inc.'s periodic reports and annual notice.

The resource estimates in this presentation were prepared in accordance with Regulation 43-101 adopted by the Canadian Securities Administrators. The requirements of Regulation 43-101 differ significantly from the requirements of the United States Securities and Exchange Commission (the "SEC"). In this presentation, we use the terms "Measured", "Indicated" and "Inferred" Resources. Although these terms are recognized and required in Canada, the SEC does not recognize them. The SEC permits U.S. mining companies, in their filings with the SEC, to disclose only those mineral deposits that constitute "Reserves". Under United States standards, mineralization may not be classified as a Reserve unless the determination has been made that the mineralization could be economically and legally extracted at the time the determination is made. United States investors should not assume that all or any portion of a Measured or Indicated Resource will ever be converted into "Reserves". Further, "Inferred Resources" have a great amount of uncertainty as to their existence and whether they can be mined economically or legally, and United States investors should not assume that "Inferred Resources" exist or can be legally or economically mined, or that they will ever be upgraded to a higher category.

U.S. Investors are urged to consider the disclosure in our annual report on Form 20-F, File No. 001-14598, which may be obtained from us or from the SEC's web site: http://sec.gov/edgar.shtml.





Highlights

Track Record of Sustainable Production

- Gold producer since 1991, over 1.4 million ounces produced
- History of organic growth through discovery and development
- 48,171 ounces of gold produced in the first half of 2014
- 75,000 85,000 ounce targeted gold production for 2014

Quality Asset Base

- Mines in low-risk jurisdictions: Ontario and Quebec
- Developing new 1.1 million ounce inferred resource below operating Island Gold mine, grade of 9.3 g/t Au
- Global gold resource of over 5 million ounces

Strong Balance Sheet, Tight Capital Structure

- \$35.7 million of cash & term deposits, debt < \$5 million, at June 30, 2014
- 47.6 million shares on TSX and NYSE MKT



Veteran Operator

Numerous Successful Mine Openings & Closings

1991 1993 1997 2001

Francoeur Mine



1991-2001 production: ~345,000 Au ozs

Camflo Mill



Mill in operation: Processes ore from Beaufor & Monique

Nugget Pond Mine



1998-2001 production: ~170,000 Au ozs

Beaufor Mine



In operation: \sim 500,000 + Au ozs produced to date

2001

2006

2007

2013

Monique Mine

Hammerdown Mine



2001 - 2004 production: ~ 143,500 Au ozs

East Amphi Mine



2006 - 2007 production ~ 37,350 Au ozs produced

Island Gold Mine



In operation: ~303,000 Au ozs produced to date



In operation: ~ 9,900 Au ozs produced to date

Current Operations

Island Gold Mine



2014 Production Forecast ~ 40,000 Au ozs

On-site 850 tpd mill

Ontario Wawa Area

www.richmont-mines.com

Beaufor Mine Property







2014 Production Forecast ~ 35,000 - 40,000 Au ozs

1,200 Tpd Camflo Mill (50 km)



Corporate Overview

RIC: (Sep. 4, 2014)	TSX (CAN\$)	NYSE MKT (US\$)
Closing Price	\$2.90	\$2.65
52-week trading range	\$1.00 - \$3.07	\$0.94 - \$2.82
Market capitalization	\$138 million	\$126 million
Average 3 month daily trading volume (shares)	~ 127,500	~ 221,300

Cash & Term Deposits (Jun 30, 2014)	\$35.7 million	RICHMONT MINES ■ RIC.TO 4 Sep. 2014
Long-term Debt (June 30, 2014)	\$4.9 million	-2.8 -2.6 -2.4
Current Enterprise Value	\$99 million	-22 -20
H1 2014 Operating Cash Flow (per share)	\$0.37	18
H1 2014 Net Free Cash Flow ¹ (per share)	\$0.12	- 1.4 - 1.4
Shares outstanding (millions)	47.6	© Yahoo! Nov-13 Jan-14 Mar-14 May-14 Jul-14 Sep-14
Management and Director Ownership (%)	~11%	■ Volume 800.
Number of employees (June 30, 2014)	414	-400.



(1) Calculated as operating cash flows less capital expenditures divided by shares outstanding.

Record Quarterly Performance

Strong Revenue & Operating Cash Flow

FINANCIAL HIGHLIGHTS	FY 2013 (12 mos. ended Dec. 31, 2013)	Q2 2014 (3 mos. ended June 30, 2014)
Gold sales	63,443 ozs	27,790 ozs
Average cash cost per ounce	US \$1,095	US \$779
Average selling price per ounce	US \$1,378	US \$1,283
Revenue	\$90.2 million	\$39 million
Operating Cash Flow	\$3.5 million	\$13.4 million
Cash & term deposits	\$17.6 million	\$35.7 million
Long-term debt	\$5.2 million	\$4.9 million
Adjusted EPS (loss)	(\$0.26) ¹	\$0.12 ²
Operating cash flow per share	\$0.09	\$0.29



(1) FY2013 EPS is Adjusted EPS, a non-IFRS Financial Performance Measure, and excludes a non-cash write-down of the W Zone Mine assets, a write-off of deferred income and mining tax assets, a write-off of financing costs following the termination of a debtfinancing agreement and severance charges. (2) Q2 2014 EPS is Adjusted EPS, a non-IFRS Financial Performance Measure, and excludes severance costs related to the departure of the President and CEO of \$1.05 million (\$0.98 million after-tax).



Directors and Management

Senior Credentials in a Junior

BOARD OF DIRECTORS

Greg Chamandy, Exec Chairman

Elaine Ellingham, PGeo, MSc, MBA

Dr. Jim Gill, BSc, MSc, PhD

René Marion, Eng.

Michael Pesner, CA

Co-Founder and Former CEO of Gildan Activewear

Previously TSX, IAMGOLD, Campbell Resources, Rio Algom

Founder of Aur Resources Inc.

Former CEO AuRico Gold

President of Hermitage Canada Finance, previously KPMG

MANAGEMENT TEAM

Elaine Ellingham, P. Geo. M. Sc, MBA

Pierre Rougeau, B. Sc., M. Sc Finance

Rosaire Émond, Eng.

Daniel Adam, Geo., PhD

Nicole Veilleux, CPA, CA

Jean Bastien, Eng., MBA

Marc-André Lavergne, Eng.

Interim President and CEO

Executive V. P. and CFO - Former CFO of Abitibi Consolidated

V. P. and COO - Experience: Placer Dome and Agnico-Eagle

V. P. Exploration - *Experience: Selbaie Mines*

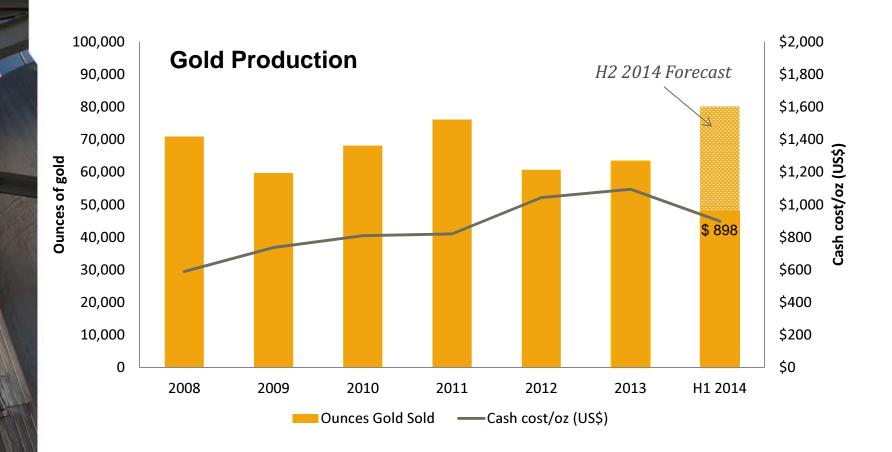
Finance Director - *Experience: Auditor at KPMG LLP, Norbord Industries*

Manager, Island Gold Mine - Experience: Cambior, Agnico-Eagle and Aurizon

Manager, Beaufor & Monique mines - Experience: Cambior, Agnico-Eagle, North American Palladium

Long-term Producer

Experienced Operators





Cornerstone Asset – 100% Owned

- 303,000 ozs of gold produced since 2007
- Historical grade @ ~ 5.7 g Au/t
- 2014 cost reduction initiatives: addition of 4 new trucks & efficiency consultant
- On-site mill operated at record capacity of 25,000 t in May
- Improved grade, production and cash cost in H1 2014



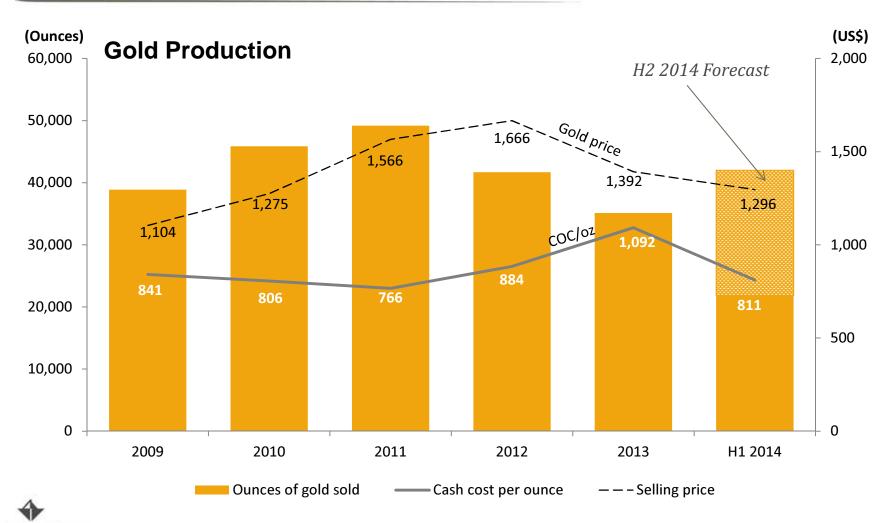
ISLAND GOLD MINE PERFORMANCE	FY 2009 12 months ended Dec. 31	FY 2010 12 months ended Dec. 31	FY 2011 12 months ended Dec. 31	FY 2012 12 months ended Dec. 31	FY 2013 12 months ended Dec. 31	H1 2014 6 months ended June 30
Tonnes	211,773	251,237	261,731	246,743	244,631	124,569
Gold recovery (%)	94.5%	95.5%	95.9%	96.5%	96.1%	96.1%
Head grade	6.04 g/t	5.95 g/t	6.10 g/t	5.45 g/t	4.65 g/t	5.66 g/t
Gold ounces sold	38,879	45,865	49,196	41,686	35,113	21,795
Avg. cash cost/oz (US\$) ³	736	783	766	884	1,092	811
Avg. sales price/oz (US\$)	967	1,238	1,566	1,666	1,392	1,296

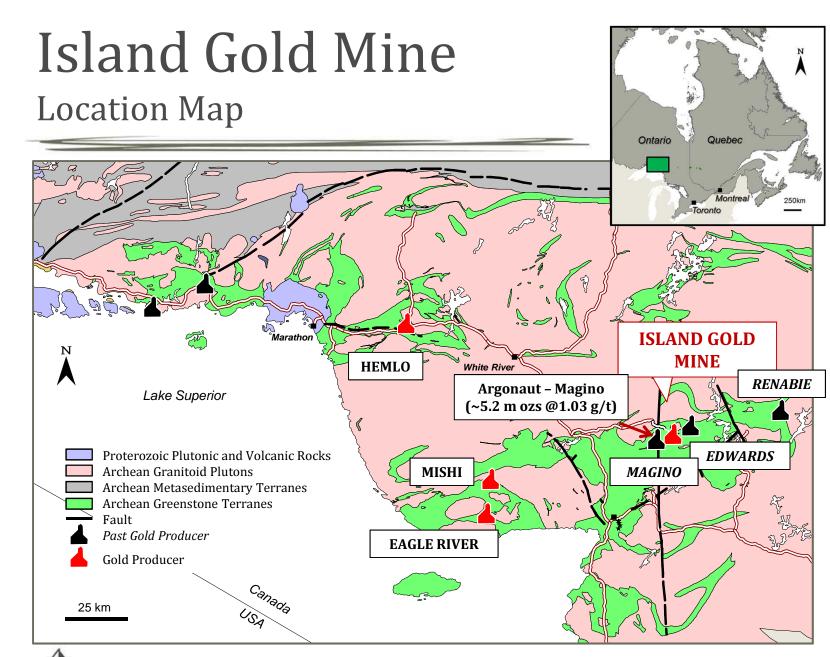


⁽¹⁾ As of December 31, 2013. Established using a cut-off grade of 3.75 g/t Au, and a capping of 75 g/t Au for Island Gold Mine and 95 g/t Au for Island Gold Mine deep extension. Resources are not diluted.

⁽²⁾ Cash costs include royalties.

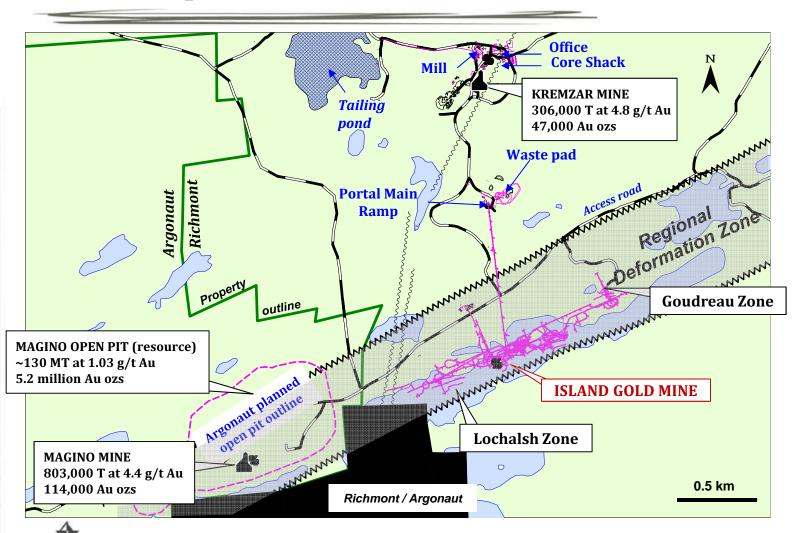
Established Base for Future Growth





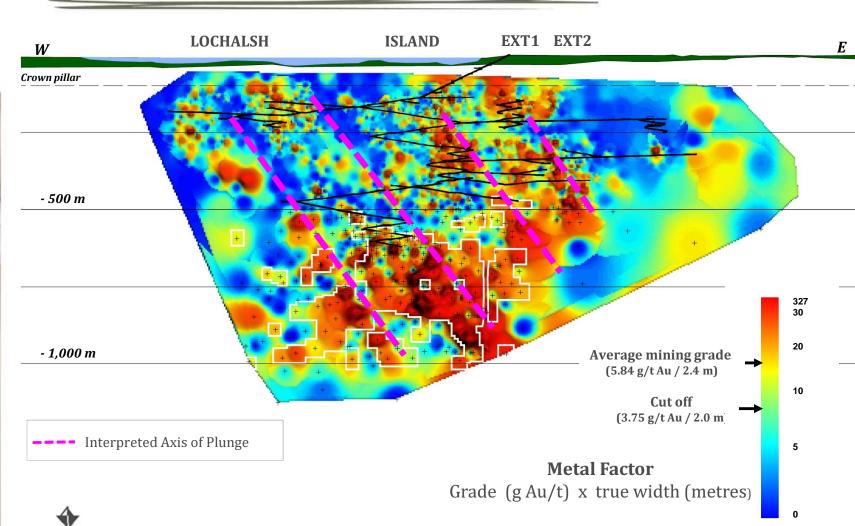


Site Map and Infrastructure

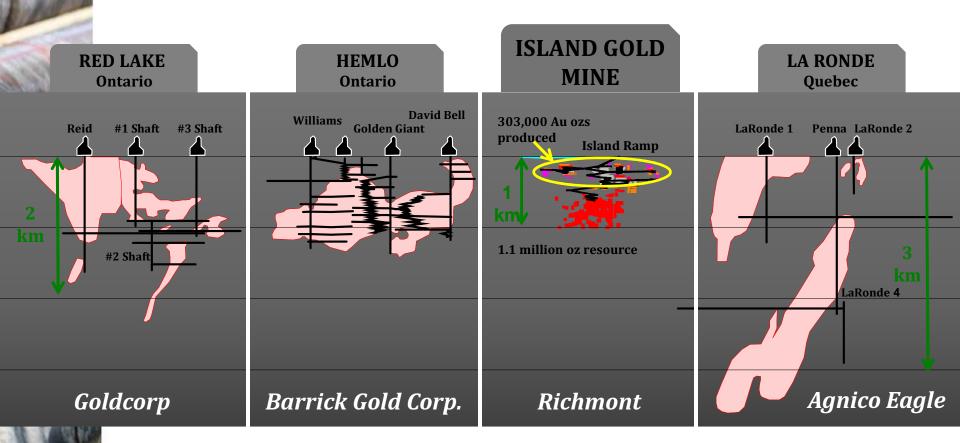


Island Gold Mine **Longitudinal Section LOCHALSH ISLAND** EXT1 EXT2 **GOUDREAU** W Crown pillar 190 Level Production to Date (above 400 m) Access Ramp 303,000 ozs of gold, avg. 5.7 g/t Au Reserves & Resources - 500 m Proven & Probable: **143,506 ozs** @ 6.09 g/t Measured & Indicated: **64,433 ozs** @ 7.06 g/t **82,744 ozs** @ 7.09 g/t Inferred resources: *Open* Island Deep 1.1 million ounce resource Open Indicated 456,000 t at 11.52 g Au/t **169,000 ozs** Inferred 3,200,000 t at 9.29 g Au/t 955,000 ozs - 1,000 m Drillhole Intersections > 12g/t Au (cut 95g minimum 2 m true width) Open **Drillhole Intersections** Reserves / Resources Mined Out Actual Ramp and Drifts Open along strike in both directions and at depth Interpreted Axis of Plunge Significant number of > 12 g Au/t intersections RICHMONT TSX - NYSE MKT: RIC Copyright 2014 by Richmont Mines 14 www.richmont-mines.com

Metal factor (grade x width)



Comparison with Major Gold Mines



Schematic Longitudinal Sections





Island Gold Discovery

A "Game-Changer"

 1.1 million ounce inferred resource immediately below fully permitted, staffed and producing Island Gold Mine

	New Zone	<u>Upper Mine</u>
Gold grade (average)	9.3 g/t Au	5.7 g/t Au
Zone width (average)	4.5 metres	2.7 metres
Structural Alteration Corridor	100 m	50 m

- Ramp exposed mineralization at 560 m level at depth along 92 m:
 - Face chip sampling averaged 12.7 g Au/t over 2.92 m
- Opportunity for long life mine with higher annual production levels
- Capacity of on-site CIP mill can be increased
- Deposit open at depth and along strike in both directions





Progress Report

2013 Development at Island Gold:

- Ramp to Island Deep at a vertical depth of 574 m at year-end 2013
- 62,210 m of exploration drilling completed
- Added 615,338 ounces to gold resources

2014 Development:

- \$16.3 million capex
- 11,000 m exploration drilling + 23,000 m definition drilling
- Ramp extended to 620 m vertical depth as of June 30, 2014
- Development on 5 levels (depths of 535, 560, 585, 610 & 635 metres)
- Expect to mine first stope in extension in the second half of this year
- Near-term incremental ramping is relatively low capex and can be funded from current cash position



Beaufor Mine

Produced over 500,000 oz Gold

- High-grade underground mine in production since 1996
- Strategically located near infrastructure...
 - 50 km from Camflo Mill

and a central to a well established mining hub...

- > 25 km from Val-d'Or, Quebec
- H1 2014
 - head grade 7.14 gpt
 - Cash operating cost per ounce US\$854
- Cost reductions achieved by increasing room
 & pillar mining and reducing long-hole stoping







Beaufor Mine

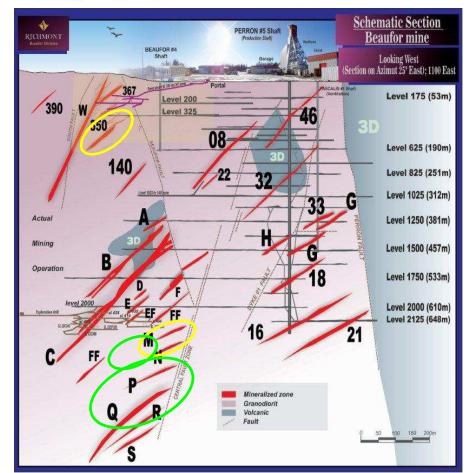
Progress Report

2014 Objectives:

- Maintain operating efficiency to generate cash flow
- Continue to extend mine life
- Begin mining the newly developed "M Zone" where grade expectations are good
- Commence development drift to the near surface 350 zone
- Evaluate potential of deep Q Zone

Includes:

- 21,500 m of exploration drilling
- 10,000 m of definition drilling





Mining and Development



Exploration



Wasamac Gold Property

"Untapped" 3 Million oz Resource

- Near infrastructure: 15 km west of Rouyn-Noranda, Quebec
- Past production of 252,923 Au ozs
 @ 4.16 g/t (1965-1971)
- Preliminary Economic Assessment completed in March 2012
- Good optionality on gold price
- 100% owned, no royalties

Resources as of December 31, 2012

Cut-off: 1.5 g/t Au

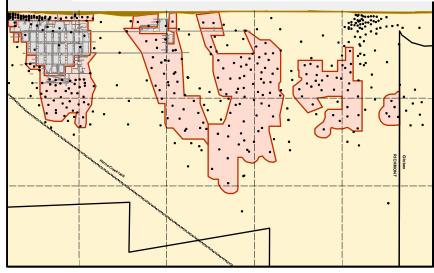
Measured & Indicated Resources:

15,251,529 T at 2.86 g/t Au; **1,402,263 ozs**

Inferred Resources:

18,758,786 T at 2.66 g/t Au; **1,605,388 ozs**



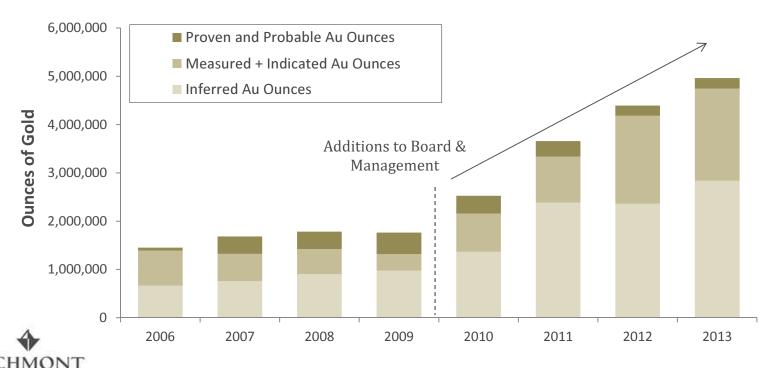




TSX - NYSE MKT: RIC

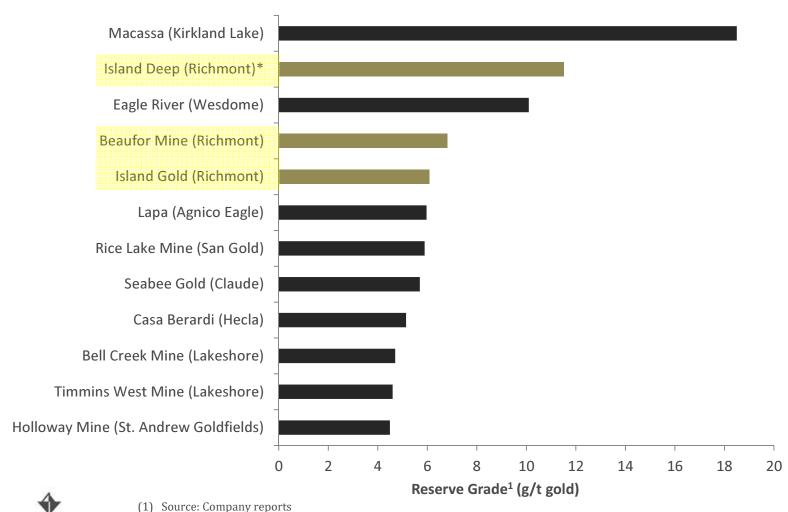
Two Significant Discoveries

- Discovered over 4 million ounces of gold resources in past 4 years
- Exploration on brownfield projects and at operating mines
- Discovery cost < \$15/ounce
 - Island Gold Deep Zone 1.1 million oz @ 9.3 g/t
 - Wasamac 3.0 million oz @ 2.70 g/t



Relative Grade

Among Highest Grades in Peer Group





^{*} Indicated Resource



Richmont Mines

Well Positioned for Growth

Island Gold - Important New Discovery

- Will lead to expansion of the producing Island Gold Mine
- Potential to develop into a higher-grade, long-life asset

Sound Balance Sheet, Tight Capital Structure

- \$35.7 million cash & term deposits at June 30, 2014
- 47.6 million shares outstanding

Track Record of Success

- Consistent operating history plus continued organic growth
- Over 1.4 million ounces of gold produced since 1991

Quality Asset Base

- Targeted production of 75,000 85,000 ounces of gold for 2014
- Global gold resource of over 5 million ounces in very stable jurisdictions





Richmont Mines Inc.

Elaine Ellingham
Interim President & CEO
eellingham@richmont-mines.com
416-473-5351

Jennifer Aitken
Manager, Investor Relations
jaitken@richmont-mines.com
514-397-1410 x101



Appendices



Financial Review

Key Metric (in CAN\$ thousands, ex. per share data and where noted)	FY 2012 (12 mos. ended Dec. 31)	FY 2013 (12 mos. ended Dec. 31)	Q1 2014 (3 mos. ended Mar. 31)	Q2 2014 (3 mos. ended June 30)
Gold sales (ounces)	60,741	63,443	20,412	27,790
Average selling price (US\$/oz)	\$1,666	\$1,378	\$1,306	\$1,283
Average cash cost (US\$/oz)	\$1,044	\$1,095	\$1,060	\$779
Net earnings (loss) Adjusted net earnings (loss) Adjusted EPS	(\$2,977) (\$1,521) ¹ (\$0.04) ¹	(\$33,162) (\$10,341) ² (\$0.26) ²	(\$1,903) (\$1,903) (\$0.05)	\$4,676 \$5,659 ³ \$0.12 ³
Operating Cash Flow	\$7,656	\$3,456	\$2,379	\$13,371
Total Assets	148,244	123,328	121,272	139,135
Shareholders Equity	118,363	86,353	84,779	100,739

⁽¹⁾FY2012 Adjusted Net Loss is a non-IFRS Financial Performance Measure. This number excludes a \$49,066 (\$42,038 after-tax) loss from the discontinued Francoeur Mine operation, and the payment of \$1,986 (\$1,456 after-tax) of severance compensation to the Corporation's ex-President and CEO. (2)FY2013 Adjusted net loss is a non-IFRS Financial Performance Measure. This number excludes a \$1,098 loss from the discontinued Francoeur Mine operation, a write-down of the W Zone Mine of \$13,472, a write-off of deferred income and mining tax assets of \$7,484, a write-off of financing costs of \$1,165 and severance costs of \$700.

⁽³⁾Q2 2014 Adjusted net earnings is a non-IFRS Financial Performance Measure. This number excludes a \$1,050 severance cost related to the departure of the President and CEO.





RESERVES + RESOURCES ¹		As of Dec. 31, 2013			As of Dec. 31, 2012			
		Tonnes (metric)	Grade (g/t Au)	Au oz contained	Tonnes (metric)	Grade (g/t Au)	Au oz contained	
	P & P Reserves	733,347	6.09	143,506	785,221	5.60	141,456	
Island Gold Mine ²	M & I Resources	283,687	7.06	64,433	502,910	6.86	110,958	
	Inferred Resources	362,858	7.09	82,744	279,569	6.20	55,744	
Island Deep ²	Indicated Resources	456,013	11.52	168,897	-	-	-	
Island Deep	Inferred Resources	3,196,114	9.29	954,583	1,473,658	10.73	508,142	
_	P & P Reserves	142,299	6.81	31,133	196,145	6.20	39,114	
Beaufor Mine ²	M & I Resources	765,144	6.32	155,439	774,280	6.44	160,263	
	Inferred Resources	904,249	6.49	188,679	901,568	6.46	187,274	
	P & P Reserves	415,860	2.30	30,702	-	-	-	
Monique ^{2,3}	Indicated Resources	107,531	4.88	16,858	728,164	2.35	55,112	
	Inferred Resources		-	-	11,605	0.97	362	
	P & P Reserves	70,207	5.68	12,832	132,251	7.21	30,680	
W Zone	M & I Resources	145,931	7.04	33,051	107,511	6.76	23,377	
	Inferred Resources	2,186	7.55	531	5,589	7.95	1,429	
	Proven Reserves	-	-	-	8,439	4.52	1,226	
Francoeur ⁵	M & I Resources	320,066	6.47	66,587	320,066	6.47	66,587	
	Inferred Resources	17,949	7.17	4,135	17,949	7.17	4,135	
VAI a come a 4	M & I Resources	15,251,529	2.86	1,402,263	15,251,529	2.86	1,402,263	
Wasamac ⁴	Inferred Resources	18,758,786	2.66	1,605,388	18,758,786	2.66	1,605,388	
	P & P Reserves	1,361,713	4.98	218,172	1,122,056	5.89	212,476	
TOTAL GOLD	M & I Resources	17,329,901	3.42	1,907,528	17,684,460	3.20	1,818,560	
	Inferred Resources	23,242,142	3.80	2,836,060	21,448,724	3.43	2,362,474	

⁽¹⁾ Resources are <u>exclusive</u> of Reserves, and do not have demonstrated economic viability at this time. (2) Established on Dec. 31/13, using a gold price of US\$1,225/oz and an exchange rate of CAN\$1.06=US\$1.00 in 2013 (a US\$1,450/oz gold price and a 1.00 exchange rate were used in 2012). Island Gold Deep Resources established Jan. 21/14. (3) Open-pit Reserves are based on a pit design established in 2012. Indicated Resources are underground, directly beneath the open-pit. (4) Underground Resources established as of Dec. 31/12. (5) Francoeur Mine closed in November 2012.

www.richmont-mines.com

Longitudinal View- Best Intersections

