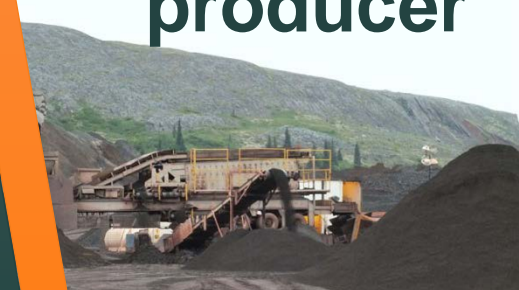
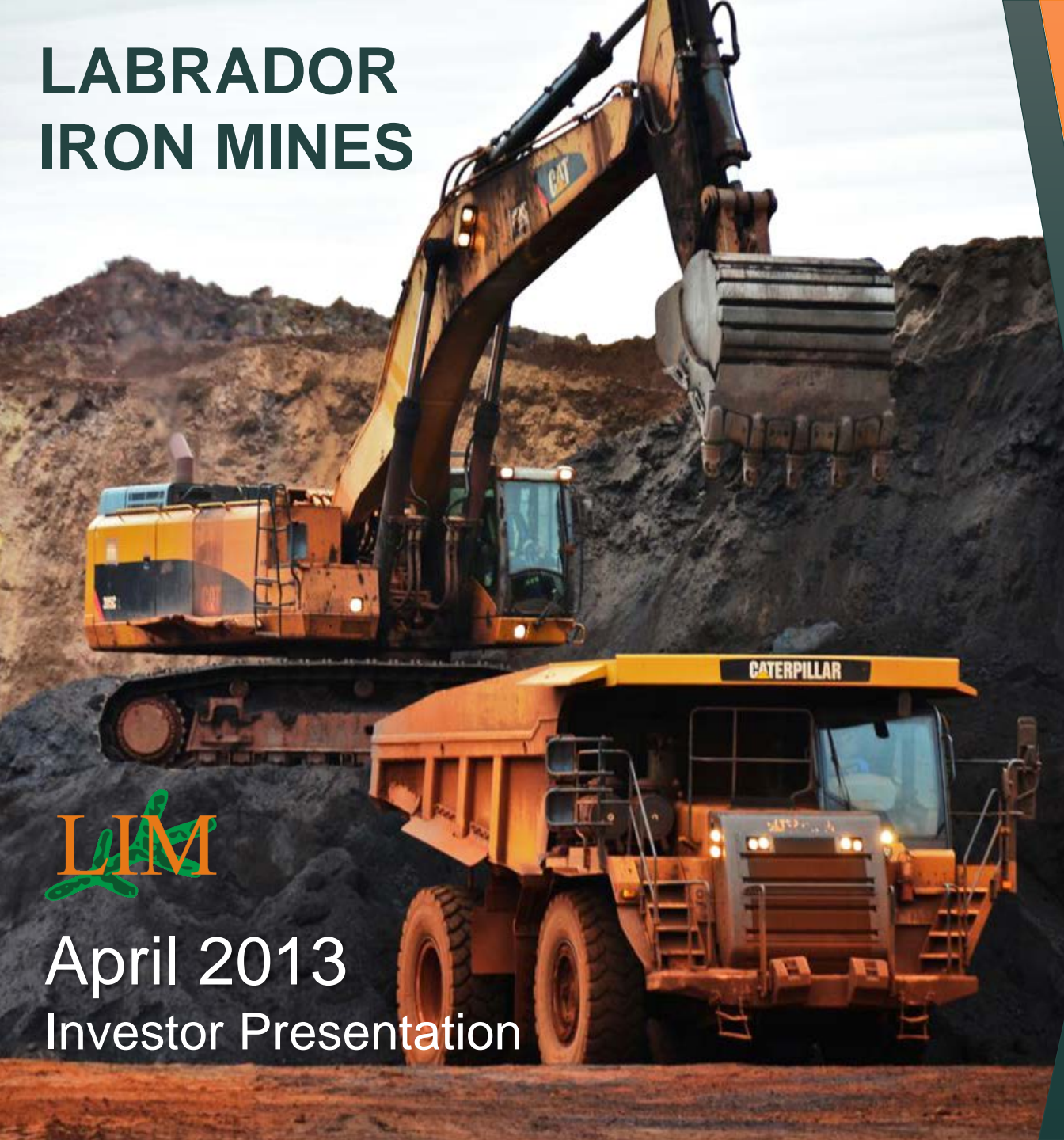


# LABRADOR IRON MINES

Canada's  
**newest**  
**iron ore**  
producer



April 2013  
Investor Presentation



# Forward Looking Information

Labrador Iron Mines Holdings Limited (“LIM”) has prepared this presentation for information purposes only. The information contained herein was prepared by management on a best efforts basis and is believed to be accurate. It contains forward-looking statements about the Company's plans for the mining, development and exploration of its properties.

Forward-looking information may include reserve and resource estimates, estimates of future production, unit costs, costs of capital projects and timing of commencement of operations, and is based on current expectations that involve a number of business risks and uncertainties. Factors that could cause actual results to differ materially from any forward-looking statement include, but are not limited to, failure to establish estimated resources and reserves the grade and recovery of ore which is mined varying from estimates, capital and operating costs varying significantly from estimates, delays in obtaining or failures to obtain required governmental, environmental or other project approvals, delays in the development of projects, changes in exchange rates, fluctuations in commodity prices, inflation and other factors.

Forward-looking statements are subject to risks, uncertainties and other factors that could cause actual results to differ materially from expected results. There can be no assurance that the Company will be successful in any agreement with any First Nations groups who may assert aboriginal rights or may have a claim which affects the Company's properties or may be impacted by the Schefferville Projects.

Shareholders and prospective investors should be aware that these statements are subject to known and unknown risks uncertainties and other factors that could cause actual results to differ materially from those suggested by the forward-looking statements. Shareholders are cautioned not to place undue reliance on forward-looking information. By its nature, forward-looking information involves numerous assumptions, inherent risks and uncertainties, both general and specific, that contribute to the possibility that the predictions, forecasts, projections and various future events will not occur. The Company undertakes no obligation to update publicly or otherwise revise any forward-looking information whether as a result of new information, future events or other such factors which affect this information, except as required by law.

# Canada's Newest Iron Ore Producer



## LIM Advantages

The Labrador Trough: Canada's foremost iron ore producing region

We're currently **one of only four iron ore producers** in Canada

We're the **only independently-owned iron ore producer** in Canada

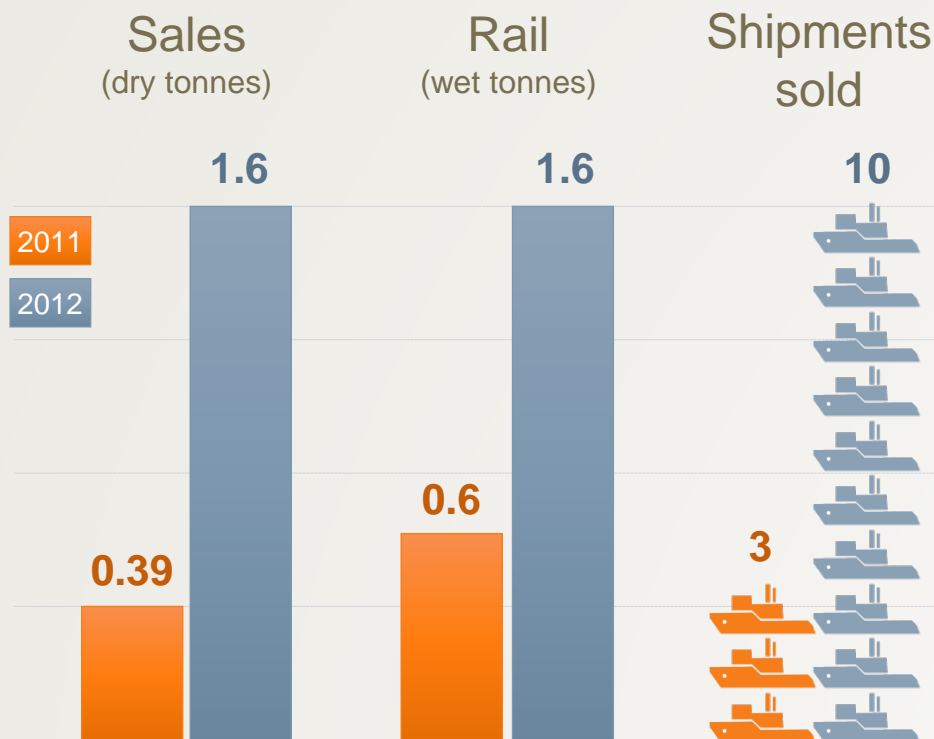
Our projects are close to extensive & existing infrastructure

**Sustainable production + flexible production growth**

**Superior leverage to iron ore spot price recovery**



# We're in Production



2011 vs. 2012

**4x** Increase in tonnes sold








**2.5x** Increase in tonnes railed

**3x+** Increase in shipments sold

2013

Targeting 1.7 to 2.0 million tonnes iron ore sales

# One of Four Producers in the Labrador Trough

Producers	Mine	Ownership
 Iron Ore Company of Canada	– Labrador City – Carol Lake	<b>RioTinto</b> 59%  Mitsubishi Corporation 26%
 ArcelorMittal	– QCM (Mont Wright) + Fire Lake)	  CHINA STEEL 15% interest in ArcelorMittal Mines Canada <sup>1</sup>
 <b>CLIFFS</b>	– Wabush – Bloom Lake	 Wuhan Iron & Steel (WISCO) 25% interest in Bloom Lake
 Labrador Iron Mines	– DSO Schefferville Projects	<b>100% ownership,            Only independently-owned producer in Canada</b>

## Developers

New Millennium  
 Alderon Iron Ore  
 Adriana Resources  
 Champion  
 Century Iron Mines  
 Oceanic Iron Ore  
 Baffinland

## Strategic Partnerships/Investments

Tata Steel  
 Hebei Steel  
 WISCO  
 WISCO and MinMetals (through Century Iron Mines Subsidiary)  
 WISCO and MinMetals  
 100% owned  
 ArcelorMittal 70%; Nunavut Iron 30%



<sup>1</sup> Transaction subject to certain regulatory clearance and approval

# Mine-to-Port Solution

## Mine and Process

- James + surrounding deposits
- Sinter and lump products



## Rail

- LIM spur line, TSH, QNS&L
- Railcar maintenance facility



## Port and Sales

- Ore unloading facilities
- Access to cape-size vessels
- IOC sales arrangement



# Iron Ore Sold on Spot Market

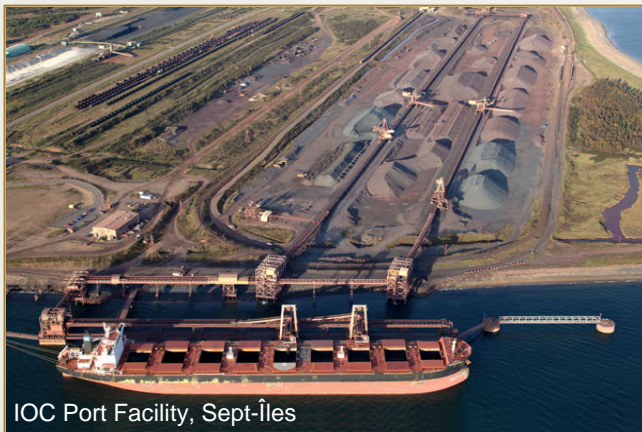
2011 & 2012

**13** Shipments totalling ~2 million tonnes sold to Chinese steel mills/customers  
**Repeat customers**

## Iron Ore Company of Canada Sales Agreements (IOC)

100% production sold to IOC in 2011 and 2012

Product re-sold in China based on spot, less ocean freight and IOC participation for handling, loading and sales costs



- ✓ Use of ore handling facilities at Port of Sept-Îles
- ✓ Access to cape-size vessels (170,000 dwt)
- ✓ Rio Tinto targeted customers
- ✓ Counterparty and shipping risk mitigated

IOC Port Facility, Sept-Îles



# LIM's Shipping Advantage



Deep sea port on Atlantic seaboard

- » Access to markets: Europe, Asia and North America



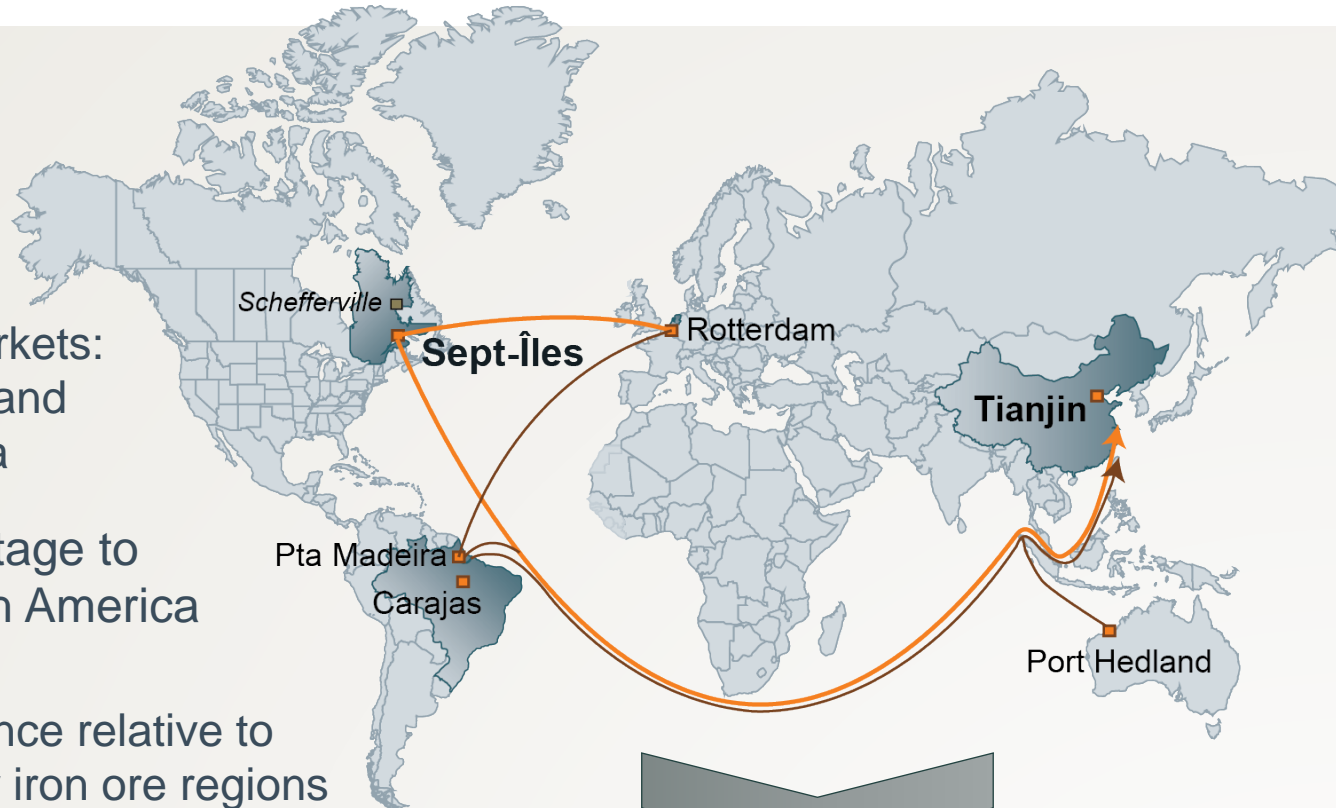
Shipping advantage to markets in North America and Europe

- » Shorter distance relative to other primary iron ore regions



Current access to key Asian markets through IOC (Rio Tinto) agreement

- » Use of cape-size vessels
- » Lower counter-party risk



Western Europe (Rotterdam)	5,000 km
Eastern Europe (Constantza)	6,100 km
China (Tianjin)	22,000 km



# LIM's Portfolio

**20** DSO Deposits

**44.6 mt** 57 Fe%

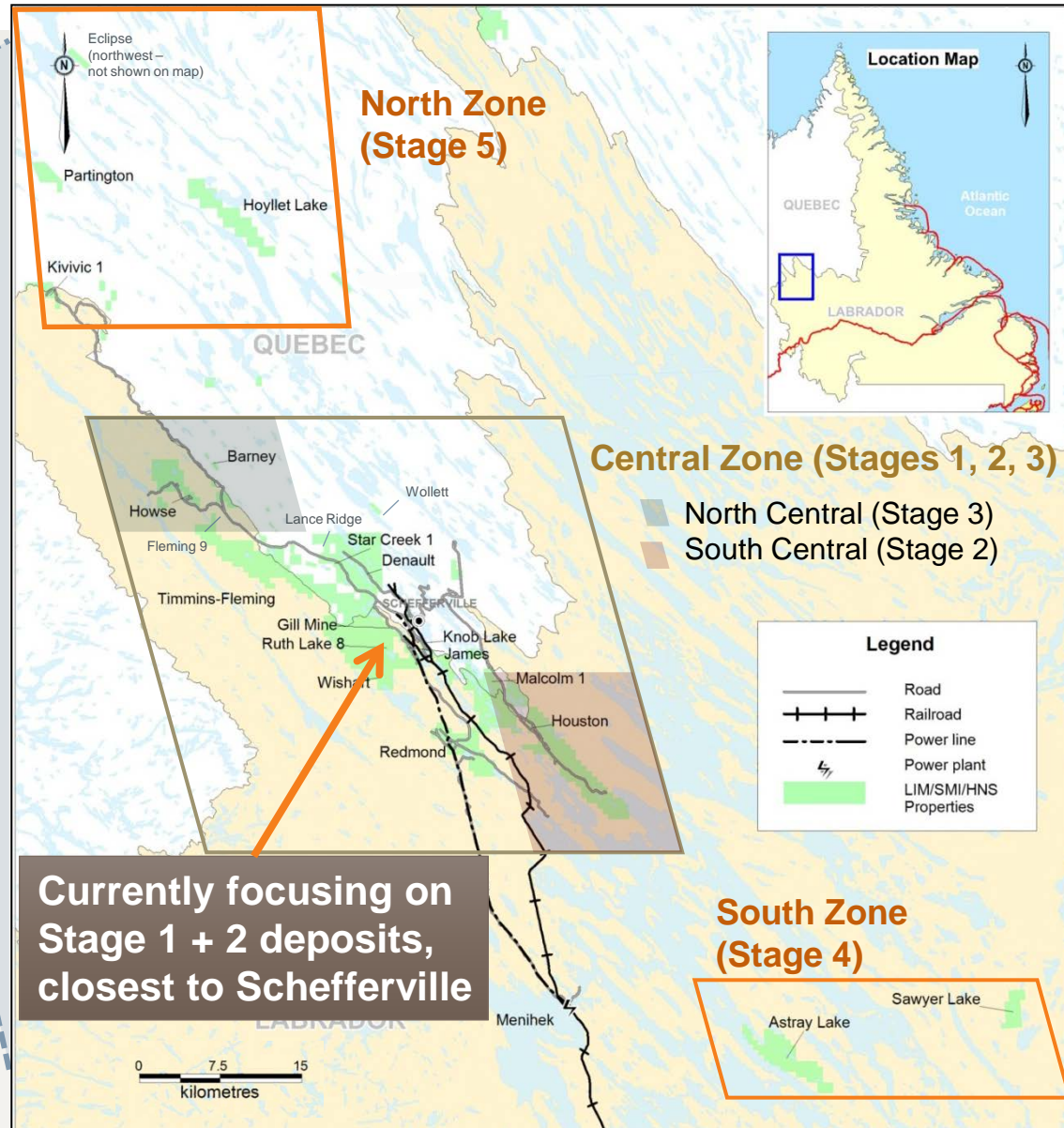
NI 43-101 Resources<sup>1</sup>

From 5 DSO deposits

(James, Redmond, Denault, Knob Lake and Houston)

**121.3 mt** 57 Fe%

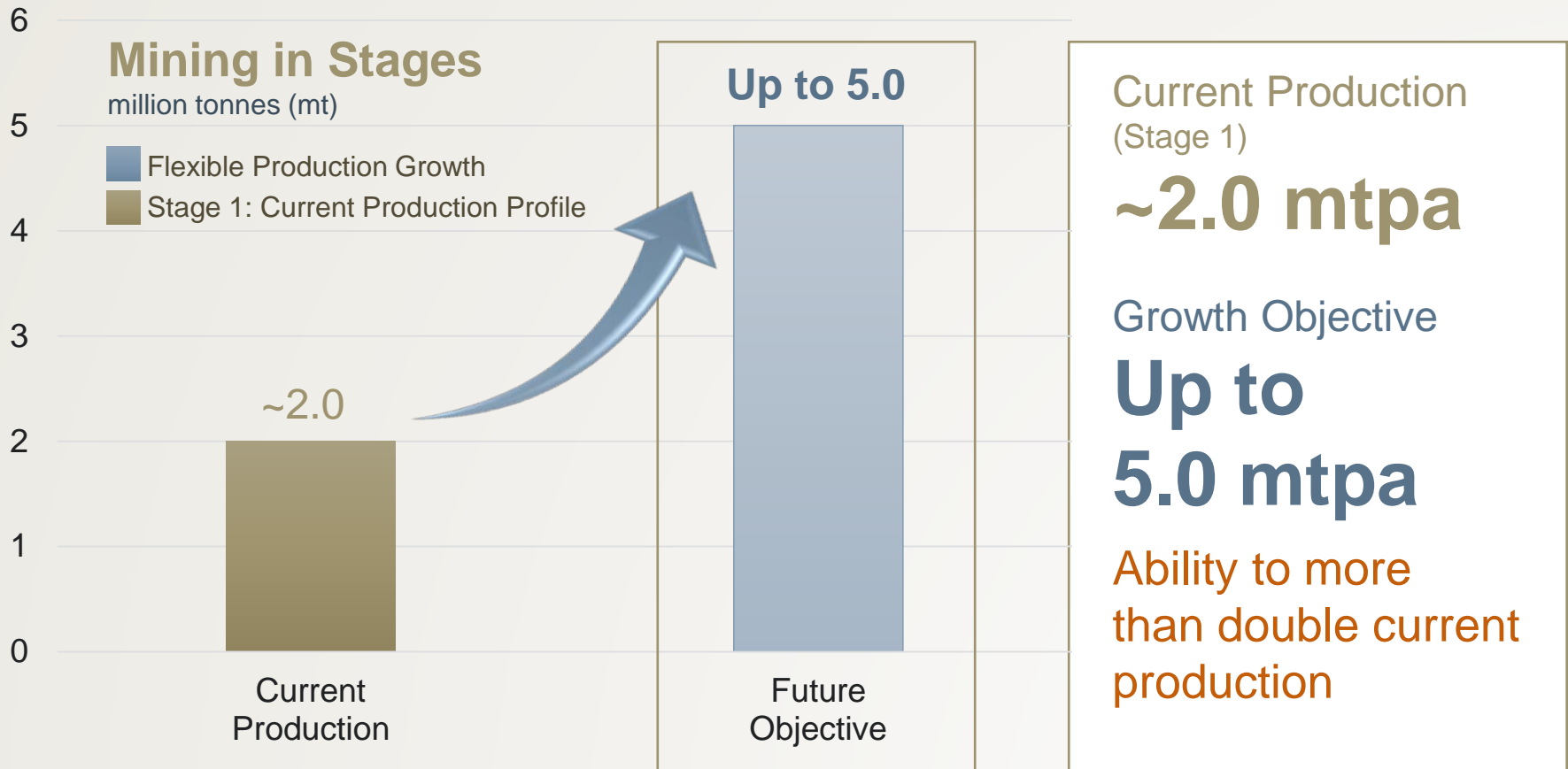
Historic Resources<sup>2</sup>



<sup>1</sup> NI 43-101 compliant resource as at March 31, 2012.

<sup>2</sup> Historical resources identified by IOC prior to 1983 were not prepared in accordance with NI 43-101.

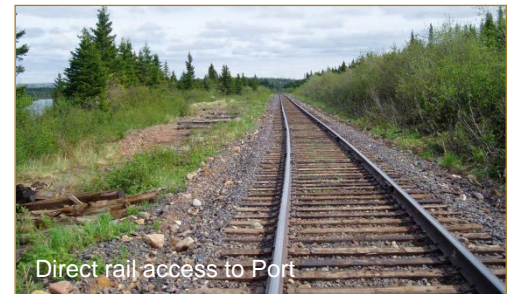
# Sustainable production + flexible growth



# With access to extensive infrastructure



Direct rail link to port  
LIM process plants  
Roads, airstrip, town  
Hydro power





# Strategic Relationship Established



Framework arrangement with **Tata Steel Minerals Canada (TSMC)**

## Multi-part cooperation agreements in areas of:

Logistics

Property rationalization

Various ancillary mutual support

Potential off-take agreements

Significant cost synergies; key logistics + infrastructure issues  
Rebuilding of rail line: Timmins plant to Silver Yards; camp accommodations, sharing ore / freight cars + rail facilities  
Access and terminal facilities for the new multi-user dock  
LIM's Howse deposit (51% interest to TSMC) and TSMC's Timmins 4 deposit (100% option to LIM)



Canada's  
**newest**  
**iron ore**  
producer



LIM's  
Operations

# LIM Stage 1

**Goal: 10 mt saleable iron ore**

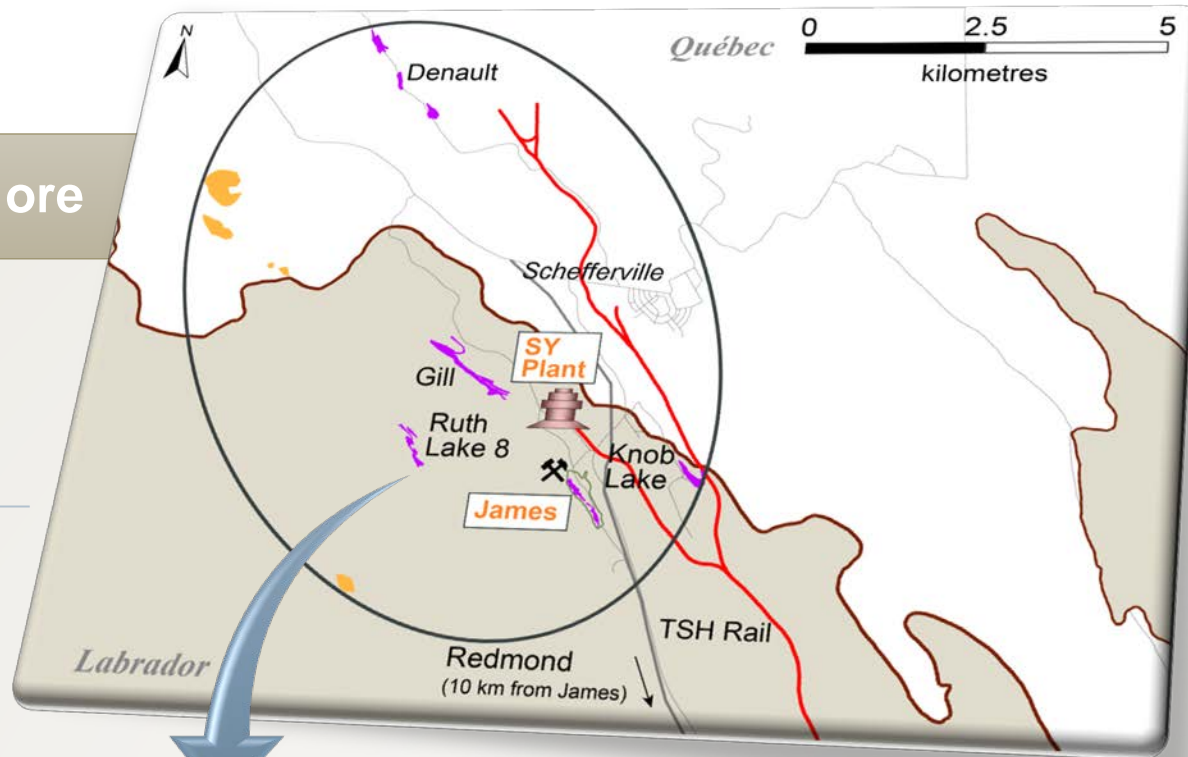
5 Years of ~2.0 mtpa iron ore production from<sup>1</sup>:

21 mt NI 43-101 resources<sup>2</sup>

5 mt historical resources<sup>3</sup>

~10 mt stockpiles (historical)<sup>3</sup>

- Crushed, >50% Fe
- Potential to convert to resources



5 smaller satellite deposits + stockpiles within ~15 km radius of James / Silver Yards

Stage 1A and 1B NI 43-101 Compliant <sup>1</sup>	Indicated (000t)	Stage 1B Historical (Non NI 43-101) <sup>2</sup>	(000t)
James (Central)	6,700	<b>Stage 1B</b>	
Redmond (Central)	2,900	Gill (Central)	4,600
Denault (Central)	6,400	Ruth Lake (Central)	400
Knob Lake (Central)	5,700	<b>Total (1B Historical)</b>	<b>5,000</b>
<b>TOTAL (1A &amp; 1B)</b>	<b>21,700</b>		

<sup>1</sup> Subject to detailed engineering, design, environmental assessment and permitting

<sup>2</sup> NI 43-101 compliant resource as at Mar 31, 2012

<sup>3</sup> Historical resources identified by IOC prior to 1983 were not prepared in accordance with NI 43-101



# James Mine

**Excellent 2012 results: Sales of 1.6 mt (dry); \$72/t operating cost to port<sup>1</sup>**

- » 1.83 mt mined @ 61.3%
- » Consistently achieved planned operating rate of 28,000 tpd (ore + waste)<sup>1</sup>

**April 2013: Commenced 3<sup>rd</sup> Season of Operations**

- » Forecasting sales of 1.7 – 2 million tonnes; \$65 – \$70/t operating cost to Port<sup>1</sup>



- Initial production June 2011
- DSO (direct shipping) iron ore
- Production season: April – November
- Conventional open pit mining using contractors

View of the James Mine (August 2012)

<sup>1</sup> Operating rate consistently achieved prior to decision to scale back 2012 production due to market conditions

<sup>2</sup> Operating costs include mining, processing, transportation and site expenses, unloaded at the Port.

# Silver Yards Processing

## Dry process

Ore processed by crushing and screening



Installed new dry process stream in 2012

Used exclusively in Q3: 183,000 tonnes ore processed and screened, yielding **168,000 tonnes of sinter and lump**

New dry screening unit delivered to complement dry process stream in 2013

## Wet process

Ore beneficiated by crushing, washing and screening



Phase 1 + 2 commissioned;  
Phase 3 commissioning in 2013: expected to increase recoveries and plant capacity

Remaining inventory will be used for 2013 initial wet plant feed for operational flexibility

Connection to grid power in 2013

# Cash Operating Cost and Strategy

**Current**

**\$65 – \$70**

per tonne



**Longer-term target**

**\$50 – \$55**

per tonne

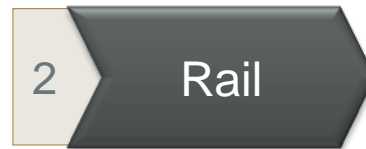
- Mining, processing, transportation and site expenses
- Ocean freight additional (and no IOC participation fee)

- Cash cost reported as per tonne sold, unloaded at Port
- Includes, mining, processing, transportation and site expenses
- Ocean freight and IOC participation fee additional

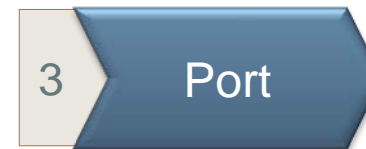
## Developments to further reduce costs over long-term<sup>1</sup>



- ✓ Higher volumes
- ✓ Increased efficiencies
- ✓ Larger equipment



- ✓ Reduced tariffs
- ✓ Longer train sets



- ✓ New multi-user dock, Port of Sept-Îles
- ✓ Other port efficiencies



# Stage 2 Houston Flagship Deposit

**Targetting 15+ year mine-life with potential ~2.0 mtpa**

Potential to more than double current production; **potential year-round operation**

**Goal: establish long-term relationships with steelmakers**

NI 43-101 Resource:

**23 million tonnes M+I @ 57.2% Fe**  
**+ 3.7 million tonnes Inf @56.5% Fe<sup>1</sup>**

**More than double the historical resource<sup>2</sup>**

## Stage 2: Houston Deposits

- 15 km SE of James mine
- Phase 1 development 2013E<sup>3</sup>
- Consistent high quality iron ore product expected



Aerial view – Houston Deposit.

<sup>1</sup> As at March 31, 2012; See Technical Report filed on SEDAR.

<sup>2</sup> Historical resources identified by IOC prior to 1983 were not prepared in accordance with NI 43-101.

<sup>3</sup> Subject to market conditions, permitting and financing.



# Stage 2 Houston Flagship Deposit




- Simple Development Plan
- Received surface and mining leases and construction permit haul road

## Phase 1 Development

**\$57 million** (Year 1 – \$37M and Year 2 – \$20M)

- Access road (10km) + bridge (permits received) - - - -
- New dedicated rail siding (6km) ———
- In-pit crushing and screening

## Phase 2 (Year 3)

- Addition of wet process plant 
- Registration documents filed (CEAA) Feb '13

# Stage 2 Houston Flagship Deposit

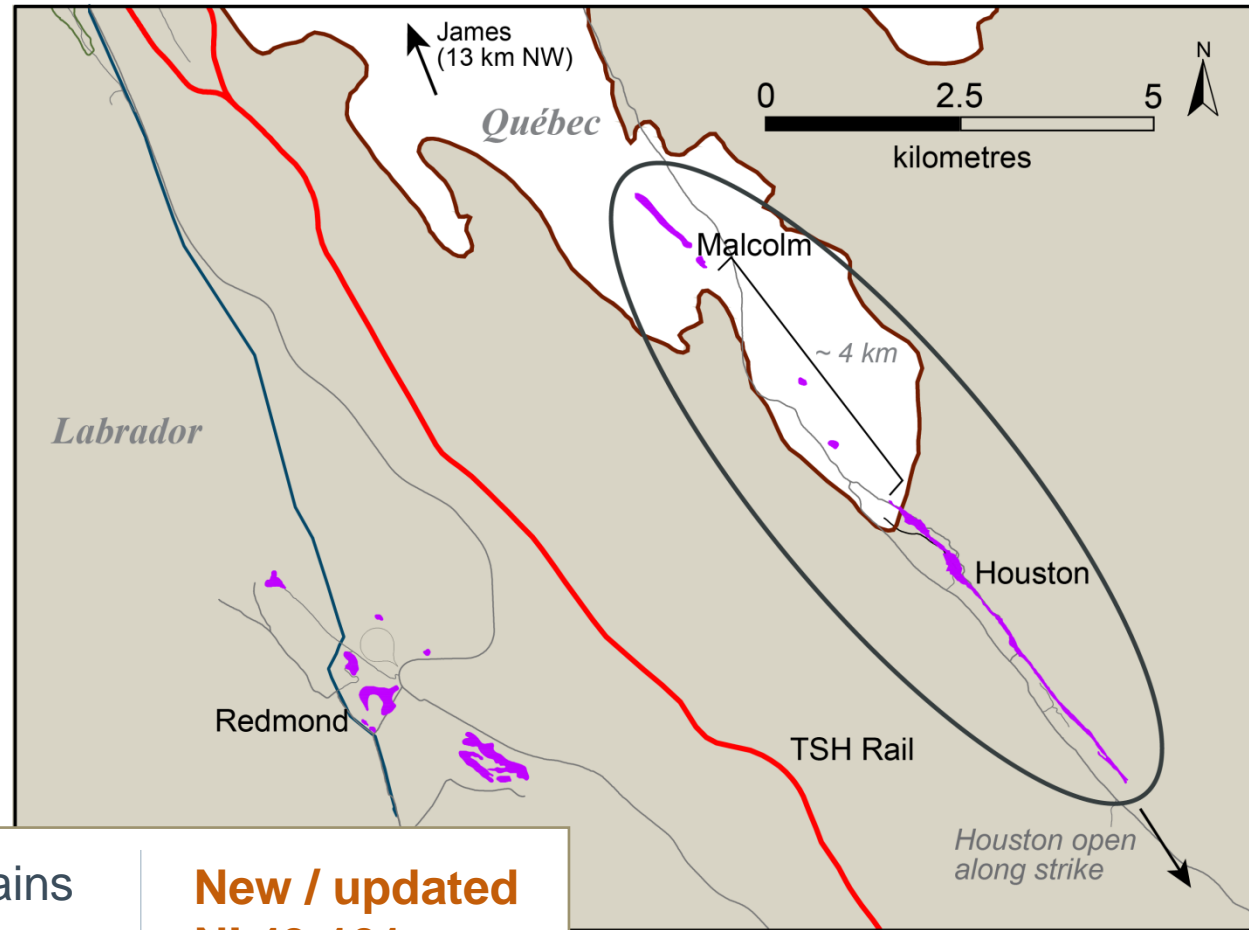
## Next Steps

- Advancing the planning, engineering and design in 2013
- Receipt of remaining permits (rail siding)
- Potential strategic partnerships, credit facilities, and/or off-take agreements

## Potential Upside

- Houston Deposit remains open along strike
- Nearby Malcolm Deposit (Quebec) NW extension: historical 2.9 mt resource<sup>1</sup>

**New / updated  
NI 43-101  
resource  
estimates  
expected**



<sup>1</sup> Historical resources identified by IOC prior to 1983 were not prepared in accordance with NI 43-101.



# Stage 3 Howse Deposit

TSMC 51% ownership of Howse; \$30 million cash injection to LIM to fund 2013 working capital, capex and exploration.

Significant cost savings using TSMC's Timmins plant (LIM plant relocation not required)

**Potential to develop Howse several years sooner at higher production rate**

**Howse historic resource:  
28.2 million tonnes<sup>1</sup>**

## Stage 3: Howse Deposit

- 25 km NW of James and adjacent to TSMC's Timmins plant
- **Required development:** re-building of rail line from TSMC's processing plant to Silver Yards, to connect to TSH.

Aerial view of Howse Deposit

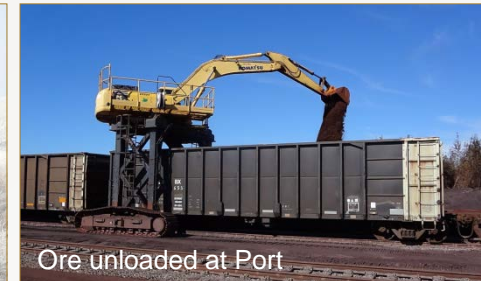
<sup>1</sup> Historical resources identified by IOC prior to 1983 were not prepared in accordance with NI 43-101.

# Rail Operations



## Life-of-Mine Rail Agreements in Place

<b>GWRR</b> (Genesee & Wyoming)	leases locomotives and operates LIM's 6 km spur line
<b>TSH Railway</b> +++	to Emeril Junction in Labrador: <b>~200 km</b>
<b>QNS&amp;L</b> +++	to Port of Sept-Îles: <b>~360 km</b>



### Current / Near-Term Rail Strategy

- » Four train sets planned for 2013 (120 cars each)
- » In discussions with Arnaud Railway (connects QNS&L to Pointe Noire)

### Mid-Term Rail Strategy

- » Iron ore gondolas  
Longer 240-car trains (20,000 tonnes / train)
- » Rotary car dumper: expedite unloading ore

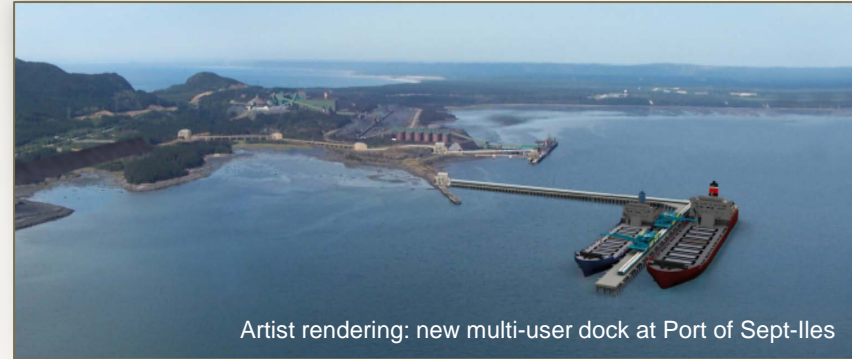


# Enhancing Long-term Port Access

Participant in new multi-user berth at Port of Sept-Îles: **5 mt capacity reserved**

**LIM would benefit from first-mover advantage as only current producer**

Two installments of \$6.4M (July '12 & '13)



Artist rendering: new multi-user dock at Port of Sept-Îles

## Good progress:

Dredging completed summer 2012

Ship-loader contract awarded

Major civil/structural contract awarded

Mobilization for pile driving completed

- Port indicates construction on time and on budget
- Expected completion March 2014
- Estimated Capex \$220M
- Discussion with Port, operators and cooperation with TSMC to establish access and terminal facilities





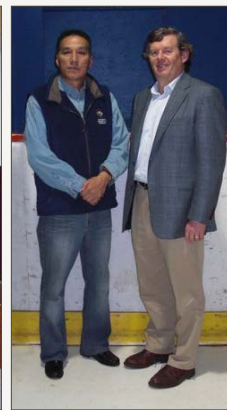
# Agreements with First Nations

## Social License to Operate

- Local employment
- Training programs
- Business opportunities
- Environmental protection
- Community engagement

## Impact and Benefit Agreements

July 2008	Innu Nation of Labrador (left)	
September 2010	Naskapi Nation of Kawawachikamach (2 <sup>nd</sup> from left)	
June 2011	Innu Matimekush-Lac John (2 <sup>nd</sup> from right)	
February 2012	Innu of Uashat (right)	
December 2012	Economic Partnership Agreement with NunatuKavut	



IBA Implementation Meetings + Consultation with First Nations held 4 times a year

# Growth through Exploration

## Largest drill program completed in 2012

**14,000 m of drilling: 40% more than 10,000 m plan**  
despite reducing budget to \$7 million (from \$8.6 million)

Drill programs on Houston (**remains open**), Malcolm (**remains open**), James and historic stockpiles for:

- » Further technical information for more detailed mine planning
- » New / updated NI 43-101 resource estimates

**Initial resource also on Elizabeth taconite target in spring 2013**



## Resource conversion track record

More than **doubled** (historical to NI 43-101 resource)

### 2012 Technical Achievement

Generated core samples through diamond drilling; provides greater technical information for detailed mine planning

# Current Strong Recovery in Iron Ore Prices



## Strong recovery in prices may have favourable impact on LIM's early sales revenues in 2013

- Severe winter in China, reducing domestic iron ore production and increasing demand for seaborne iron ore
- Iron Ore Demand in China: **imported record 71 million tonnes** in Dec 2012<sup>1</sup>



# Guidance + Outlook



**2013E Production:** 1.7 million – 2 million tonnes

**Stage 1:** Current sustainable production of ~2.0 mtpa for 5 years

**Sales arrangement:** Currently in advanced discussions with IOC

**Financing:** working capital/off-take/other to fund various 2013 expenditures

**2013 process plant enhancements:** Commissioning SY Phase 3 + new dry screen + grid (hydro) power

**Resource Conversion:** New/updated resource estimates in 2013

**Stage 2 Houston (potential to double production):** permitting, detailed engineering, metallurgy, Phase 1 development (Phase 1 subject to financing)



Canada's  
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**iron ore**  
producer

LIM



Appendix



# LIM Capital Structure

## Simple Capital Structure with No Debt<sup>1,2</sup>

### Share Structure

TSX Symbol	LIM
Share Price <sup>3</sup>	\$0.66
Share Price (52 week range) <sup>3</sup>	\$0.56 - \$4.86
Issued and Outstanding <sup>3</sup>	126.2 million
Fully Diluted <sup>3</sup>	144.6 million
Market Capitalization (basic) <sup>3</sup>	\$84 million

### Strong institutional + management ownership<sup>3</sup>


Anglesey Mining	14%
Institutions	~30%
Management & Directors	~4%

### Coverage

13 Analysts  
(+1 future)

Buy

\$1.70  
avg TP

 <b>CANACCORD</b>	Genuity	Gary Lampard
 <b>Desjardins</b> Capital Markets		Jackie Przybylowski
 <b>Fraser Mackenzie</b>		Wojtek Nowak
 <b>HAYWOOD</b> SECURITIES INC.		Colin Healey
 <b>Macquarie Capital</b>		Daniel Greenspan
 <b>PARADIGM</b> CAPITAL		Santo Ranieri
 <b>POPE &amp; COMPANY</b>	Pope & Company	Jay Turner
 <b>RAYMOND JAMES</b>		Adam Low
 <b>RBC</b>	RBC Capital	Robin Kozar
 <b>Scotiabank</b> <sup>TM</sup>		Mark Turner
 <b>STIFEL NICOLAUS</b> CANADA	Stifel Nicolaus	Michael Scoon
 <b>STONECAP</b> SECURITIES		Michael Goldberg
 <b>CREDIT SUISSE</b>		Nathan Littlewood

<sup>1</sup> No ore sales covenants    <sup>2</sup> Finance Leases of \$2.7 million (as at Dec 31, 2012)

<sup>3</sup> As at Apr 2, 2013

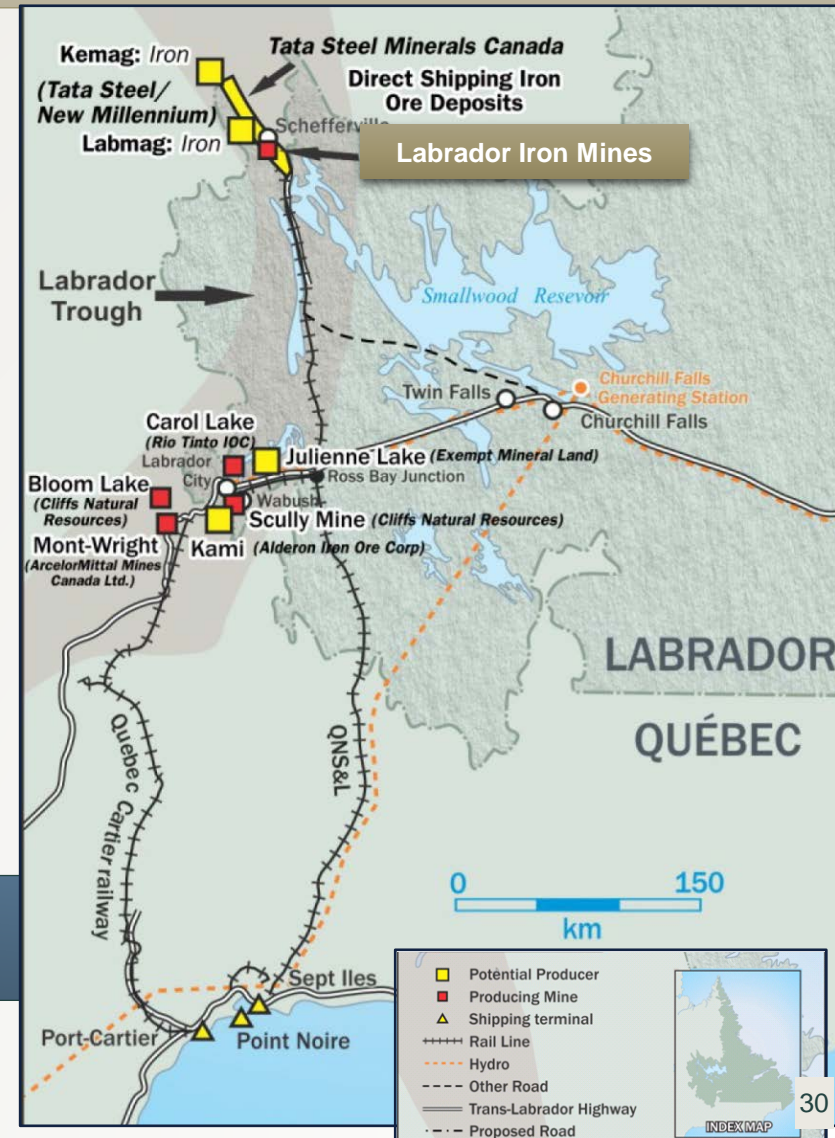


# LIM Advantage: We're in the Labrador Trough

## Labrador Trough: Most Prolific Iron Ore Region in Canada

- Canada's foremost iron ore producing region
  - » 99% of Canada's current production
  - » In continuous production since 1954
  - » Existing rail and port infrastructure
  - » Politically stable
  - » Support of Governments and First Nations
  - » Products known to the market
  - » Experienced operators, suppliers and labour force
- Iron ore exports accounted for \$4.2B of Canada's output in 2011<sup>1</sup>
- Undergoing major expansions (potential double in 5 years)

2013E production estimated at ~50 million tonnes in the Labrador Trough<sup>2</sup>



1. Sources: Natural Resources Canada; Statistics Canada.  
2. Estimate based on companies' public reports.

# Track record + experience



## Proven Track Record:

Rapid road to production  
2007 – 2011

**Dec 2007:** Closed IPO

**2008 – 2010:** Two year environmental and permitting

**2010 – 2011:** Mine and plant construction (10 mths)

**June 2011: Initial production**

## Proven Management:

Mining + technical expertise

---

Baffinland Iron Mines

---

Cliffs Natural Resources

---

IOC (Iron Ore Company of Canada)

---

CN Railway

## Proven Experience:

Two operating seasons successfully completed

- ✓ Strengthened key stakeholder relationships
- ✓ Greater efficiencies in future years
- ✓ Valuable marketing intelligence to strategically plan / maximize product revenue



# LIM Executive Team

<b>John Kearney</b> <i>Chairman &amp; CEO</i>	Mining executive with over 40 years of industry experience; Chairman and CEO of numerous mining companies
<b>Rod Cooper</b> <i>President &amp; COO</i>	Over 30 years of experience in resource industry; previously held positions as VP and Senior Analyst, Mining, with Dundee Securities and COO with Baffinland Iron Mines Corporation
<b>Richard Pinkerton</b> <i>CFO</i>	10 years as an investment banker in mining sector and five years with PricewaterhouseCooper LLP.
<b>Aiden Carey</b> <i>SVP, Operations</i>	Held senior operating positions with Barrick Gold Corporation and Cliffs Natural Resources Inc.
<b>Michel Cormier</b> <i>VP, Exploration</i>	Close to 40 years of experience in exploration and mine geology, including mineral resource and reserve evaluation. Held positions with Mundoro Capital Inc. and Adamus Resources.
<b>Joseph Lanzon</b> <i>VP, Government &amp; Corporate Affairs</i>	Over 20 years of experience in governmental affairs and development of community partnerships; previously held positions with CGI, GE, Canadian Zinc, Federal Gov't of Canada, NWT Gov't, House of Commons & Senate of Canada.
<b>Larry LeDrew</b> <i>VP, Sustainable Development</i>	Over 30 years of experience in science and environment field; previously held positions with Sikumiut Environmental Management Ltd., Newfoundland and Labrador Hydro and the Department of Fisheries and Oceans.
<b>Bernie Maskerine</b> <i>VP, Transportation</i>	Over 40 years of experience, holding senior positions at CN Railway, CANAC Inc., and SNC-Lavalin O&M Inc. focusing on all aspects of railway operations
<b>Stephen McGinn</b> <i>VP, HR, Health &amp; Safety</i>	Close to 20 years of experience in human resources, general management and consulting. Previous positions held at Kivalliq Marine Transportation Services and Dumas Contracting Ltd.
<b>Neil Steenberg</b> <i>Corporate Secretary &amp; Legal Counsel</i>	Securities lawyer with over 30 years experience in mineral exploration and corporate finance law.
<b>Keren Yun</b> <i>VP, IR, Communications</i>	Over 10 years experience in investor relations and communications; previously held positions with Northgate Minerals Corporation and Brookfield Asset Management.



# LIM Board of Directors

<p><b>John Kearney</b> <i>Chairman &amp; CEO</i></p>	<p>Mining executive with over 40 years of industry experience; Chairman and CEO of numerous mining companies.</p>
<p><b>Bill Hooley</b> <i>Vice Chairman</i></p>	<p>Professional mining engineer with 40 years experience. CEO of Anglesey Mining plc and former President &amp; COO of LIM.</p>
<p><b>Richard Lister</b></p>	<p>Over 40 years of experience in mining, metallurgical and chemical industries. Previously President &amp; CEO of Zemex Corporation., Vice Chairman of Dundee Bancorp Inc. and Chairman &amp; President of Campbell Resources.</p>
<p><b>Matthew Coon Come</b></p>	<p>Grand Chief of the Grand Council of the Crees (Eeyou Istchee) Quebec. Board member of the Grand Council of the Crees and the Cree Regional Authority. National Grand Chief of the Assembly of First Nations (AFN) from 2000 to 2003.</p>
<p><b>Eric Cunningham</b></p>	<p>Independent mining consultant since 1996. Director of Aurora Energy Resources Inc. and previous director of Viceroy Exploration Ltd. Former joint owner of the Golden Kopje Mine in Zimbabwe.</p>
<p><b>Gerry Gauthier</b></p>	<p>Mining engineer. COO of Xtierra Inc. and Director of Conquest Resources Limited. Former COO of Nevsun Resources Ltd.</p>
<p><b>Danesh Varma</b></p>	<p>Over 30 years of experience in the mining finance industry. Director of Anglesey Mining plc and Minco plc. Form CFO of LIM and has held senior positions in the banking, corporate finance and accounting fields.</p>

# LIM Q3 & 9M Financial Results

(\$ millions, except per share data)	Three Months Ended Dec 31 '12	Nine Months Ended Dec 31 '12
Net income (loss)	\$ (16.1)	\$ (58.4)
per share	(0.19)	(0.79)
Depreciation and Depletion	(5.1)	(29.3)
	At December 31, 2012	
Cash and cash equivalents (unrestricted)		\$ 10.2
Accounts receivable and prepaids		24.1
Inventory		12.8
Total assets		\$ 358.8

- Revenue from three shipments in Q3 (425,500 dry tonnes): \$24.7 million
- Revenue from 10 shipments in 2012 (1.6 million dry tonnes): \$95.8 million
- Q3 net loss includes \$5.1 million or \$0.06 per share amortization charge
- Completed \$29 million equity financing in February 2013

# LIM 9M 2012 Operating Results

	Quarter Ended December 31, 2012		Nine Months Ended December 31, 2012 <sup>1</sup>	
(all tonnes are dry metric tonnes)	Tonnes	Grade (% Fe)	Tonnes	Grade (% Fe)
Total Ore Mined	198,500	59.9	1,828,400	61.3
Waste Mined	224,500	—	3,127,100	—
Ore Processed and Screened	183,600	59.8	954,800	58.2
Lump Ore Produced	18,100	64.6	98,700	61.2
Sinter Fines Produced	150,000	61.4	693,200	61.4
Total Product Railed	254,100	61.8	1,493,000	62.3
Tonnes Product Sold	425,500	62.0	1,560,000	62.5
Port Product Inventory	111,000	60.9	111,000	60.9
Site Product Inventory	3,500	58.4	3,500	58.4
Site Run-of-Mine Ore inventory	447,000	56.2	447,000	56.2

Note: Figures subject to final reconciliation. Tonnage figures in table are rounded.



# LIM Resources<sup>1,2</sup> (Refer to Technical Reports on SEDAR)

## Stage 1 and 2 Deposits

Stage 1A and 1B Deposits NI 43-101 Compliant	Indicated (000t)
James (Central)	6,700
Redmond (Central)	2,900
Denault (Central)	6,400
Knob Lake (Central (Stage 1B))	5,700
<b>TOTAL (Stage 1A and 1B)</b>	<b>21,700</b>

Stage 1B and 1C Deposits Historical (Non NI 43-101 Compliant)	(000t)
<b>Stage 1B</b>	
Gill (Central)	4,600
Ruth Lake (Central)	400
<b>Stage 1C</b>	
Wollett (Central)	2,300
Lance Ridge (Central)	1,400
Star Creek (Central)	1,500
Fleming Group (Central)	3,200
<b>Total (Stages 1B and 1C)</b>	<b>13,400</b>

Stage 2 Deposits (South Central)	M&I (000t)
Houston (NI 43-101 Compliant)	22,900
Malcolm (Historical)	2,900

## Stage 3 Deposits- North Central

Stage 3 Historical (Non NI 43-101 Compliant)	(000t)
Howse	28,200
Barney	6,300
<b>Total (Stage 3)</b>	<b>34,500</b>

## Stages 4 – South & Stage 5 North Zones

Stage 4 & 5 Historical (Non NI 43-101 Compliant)	(000t)
Sawyer Lake (South)	12,000
Astray Lake (South)	7,800
<b>Total (Stage 4)</b>	<b>19,800</b>
Kivivic (North)	6,600
Eclipse	37,200
Partington 2	3,400
Trough	2,000
Other	1,600
<b>Total (Stage 5)</b>	<b>50,700</b>

<b>Total NI 43-101 M&amp;I Resources (000t)</b>	<b>44,600</b>
<b>Total Historical Resources (000t)</b>	<b>121,300</b>

1 NI 43-101 compliant resource as at March 31, 2012.

2 Historical resources identified by IOC prior to 1983 were not prepared in accordance with NI 43-101.

3 Resource figures in tables rounded to 000.

# Product Mix & Specifications

## Sinter Fines:

– Size fraction -6 mm

Element	Content %
Fe	63 – 65%
SiO <sub>2</sub>	4 – 6%

Product Mix

Previous ~40%

Current Plan >80%

## Lump:

– Size fraction -32 mm, +6 mm

Element	Content %
Fe	61 – 63%
SiO <sub>2</sub>	5 – 8%

Product Mix

Previous ~10%

Current Plan <20%

## Ultra Fines:

– Size fraction -2 mm

Element	Content %
Fe	62 – 66%
SiO <sub>2</sub>	5 – 8%

Product Mix

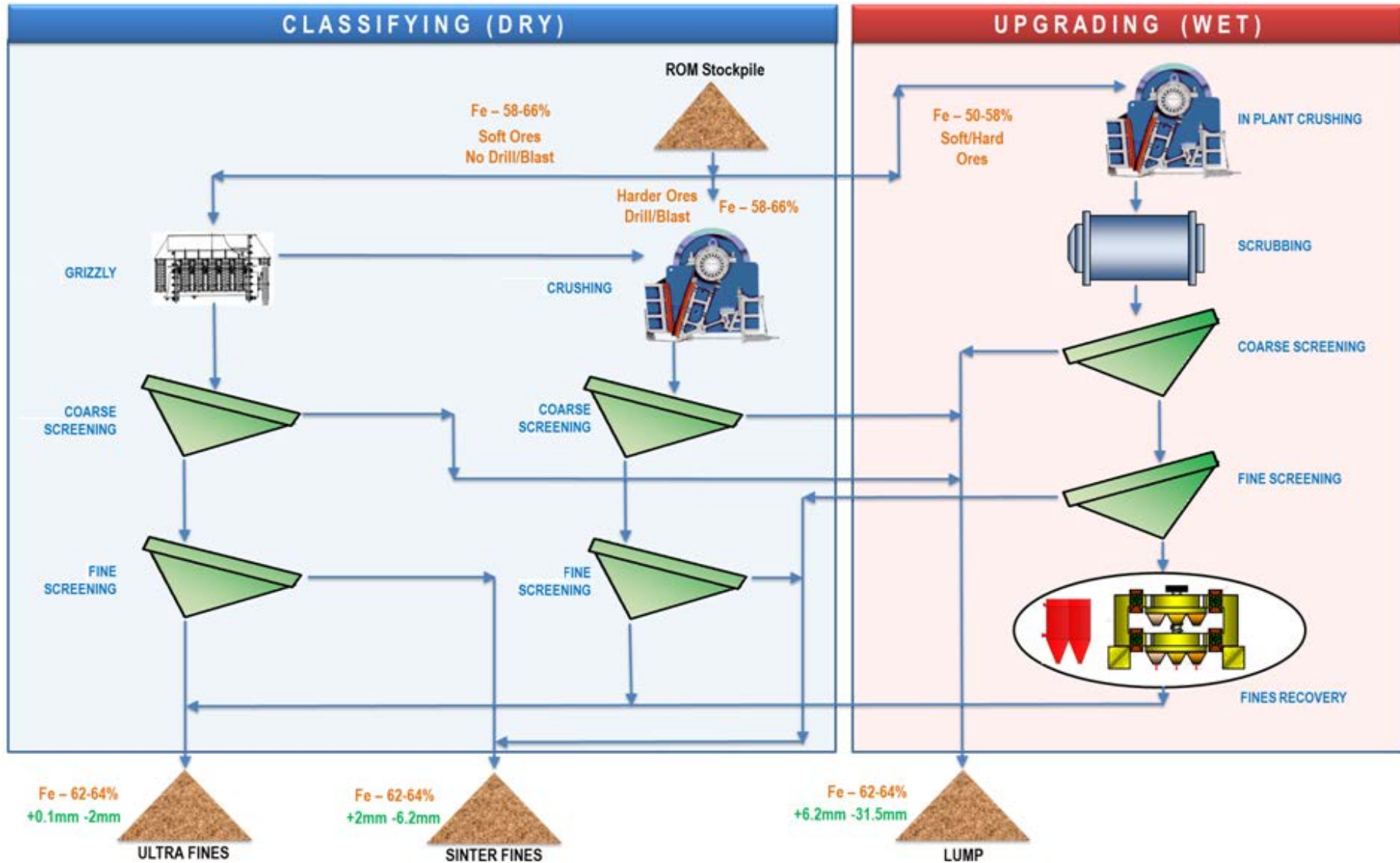
Previous n/a

Future<sup>1</sup> ~10%

- ~62% Fe saleable product
- Near-term: sinter and lump  
Future: adding ultra fines
- Moisture content typically 6% to 7%
- Typically low phosphorus (P) and alumina (Al<sub>2</sub>O<sub>3</sub>)

<sup>1</sup> Ultra fines forecast for future production years (Lump: ~20%, Sinter: ~70%, Ultra fines: ~10%)

# LIM Process Flowsheet





# LABRADOR IRON MINES



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