# BUILDING A BRAZILIAN FERTILIZER COMPANY





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#### **Competent Persons Statement**

The information is extracted from the report entitled Quarterly Report and Appendix 5B released on 30 April 2014, the Três Estradas Phosphate Project released on 29 May 2014, and the Mining Study – Três Estradas Phosphate Deposit released on 16 September 2014 which are available to view on <a href="https://www.aguiaresources.com.au">www.aguiaresources.com.au</a>. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

## **INVESTMENT HIGHLIGHTS**



- First mover in Rio Grande do Sul (RS) State in South Brazil with Rio Grande Phosphate project, a collection of new igneous carbonatite discoveries.
- Strong phosphate demand from an established farming area currently importing 100% of its phosphate rock requirements.
- Conceptual mining study on the Três Estradas phosphate resource indicates competitive economics.
- Potential for resource expansion to southwest of Três Estradas, plus additional new discoveries at Joca Tavares and Porteira.
- Leveraging existing rail and port infrastructure, including acid terminal at the Rio Grande Port.
- Experienced management and technical team.

## AGUIA OVERVIEW: BUILDING A BRAZILIAN FERTILIZER COMPANY



## **World Class Phosphate and Potash Assets**

#### **Rio Grande Phosphate**:

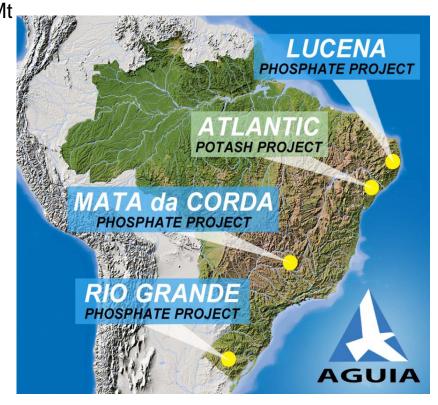
- Igneous carbonatite-hosted deposit.
- 9.9 Mt @ 5.03% P<sub>2</sub>O<sub>5</sub> Indicated and 20.6 Mt
   @ 3.94% P<sub>2</sub>O<sub>5</sub> Inferred JORC-Compliant
   Resource at <u>Três Estradas</u> (TE) 55% of mapped strike length of the deposit not drilled yet.
- Second discovery at <u>Joca Tavares</u> (JT).

### Lucena Phosphate:

- Sedimentary deposit;
- Preliminary 55 Mt @ 6.42% P<sub>2</sub>O<sub>5</sub> Inferred JORC-Compliant Resource.

### Atlantic Potash:

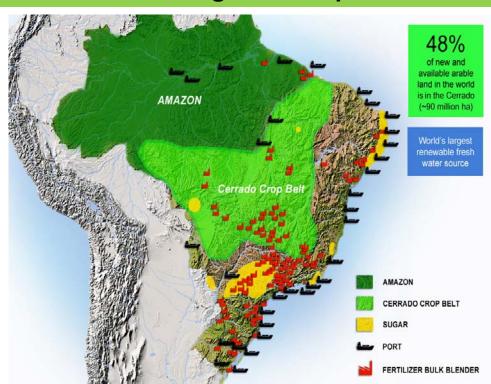
Adjacent to Brazil's only operating potash mine.



## BRAZIL: NEAR-TERM INVESTMENT FOCUS ON FERTILIZER

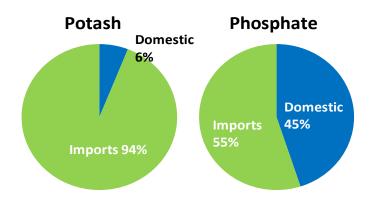


## Brazil: An agricultural powerhouse dependent on fertilizer imports



- World's fastest growing fertilizer market
- Third largest global agricultural exporter
- Large renewable water resource, available arable land

- Brazil is 4<sup>th</sup> largest consumer of fertilizer but only has 4% of global production
- 3<sup>rd</sup> largest consumer of P2O5 (behind China/India), 2<sup>nd</sup> largest importer of DAP and MAP
- 2<sup>nd</sup> largest consumer of potash. largest importer in the world



## RIO GRANDE DO SUL PHOSPHATE. NEAR-TERM FOCUS IN SOUTH BRAZIL



## Southern Brazil imports a significant amount of phosphates

 Southern Brazil accounted for 70% of Brazil's phosphate imports in 2013



### Phosphate Imports to Southern Brazil, 2013<sup>1</sup> ('000t product)

	Rio Grande	Porto Alegre	Imbituba	Paranaguá	Total South
Phosphate Rock	399	0	50	466	1,048
SSP	37	52	68	328	485
TSP	332	27	53	442	854
MAP	576	68	131	887	1,662
DAP	323	26	26	246	621
NPKs	104	0	99	962	1,165
Natural Phosrock	0	0	0	132	132
Total	1,771	173	427	3,464	5,834
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Rio de Janeiro
Santos 6kt

Paranaguá - 466kt

PROJECTS

Imbituba - 50kt

Porto Alegre

Rio Grande - 399kt

courtesy of NASA Earthstar Geographics SIO © 2014 Microsoft Corporation

Vitória 32kt

## RIO GRANDE DO SÚL PHOSPHATE. NEAR-TERM FOCUS IN SOUTH BRAZIL



#### Infrastructure and market access

- Road, rail, power, and port in close proximity
- Railway goes from project area throughout Brazil, and to Argentina and Uruguay
- Railway links to the Rio Grande Port with acid terminal (300 km East)

## Ready market with local producers

The three southern states consume ~1.1 Mt P<sub>2</sub>O<sub>5</sub> per year, with no phosphate mines in this region

#### Markets for rock concentrate

 SSP plants in southern Brazil have a capacity of 1.79 Mt tonnes of phosphate rock.

#### **Markets for SSP**

- SSP processing capacity is being considered by current producers > 600 kt.
- Current capacity for SSP in southern Brazil,
   Uruguay and Argentina is 2.79Mt



## RIO GRANDE DO SUL PHOSPHATE. NEAR-TERM FOCUS IN SOUTH BRAZIL



#### The potential for a new world class phosphate province in southern Brazil

- Aguia has been the <u>first mover</u> in the region
- Large landholding over 290 km<sup>2</sup>
- Large resource base potential
- New discoveries:
  - Três Estradas (TE) Nov 2011
  - Joca Tavares (JT) June 2013
- Untested target ready for drill testing (Porteira)



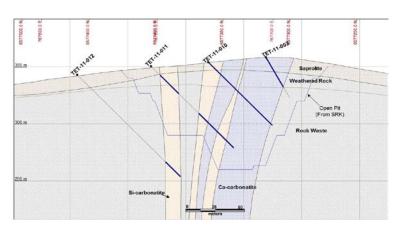
Similar in style to Vale's Cajati / Jacupiranga mine

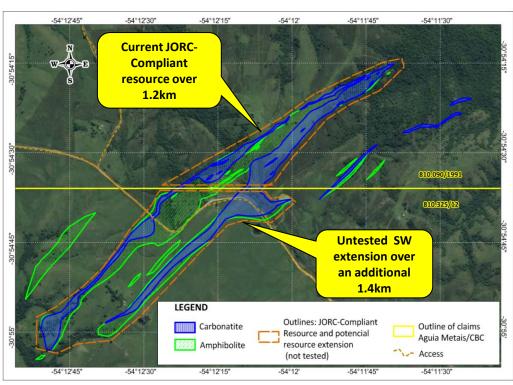
## RIO GRANDE DO SÚL PHOSPHATE. TRÊS ESTRADAS



## The Company's primary focus is the Três Estradas deposit

- Total JORC-Compliant mineral resource estimate for Três Estradas:
   9.9Mt @ 5.03% P<sub>2</sub>0<sub>5</sub> (indicated)
   20.6Mt @ 3.94% P<sub>2</sub>0<sub>5</sub> (inferred)<sup>(1)</sup>
   Including higher-grade oxide zone from surface of 1.81Mt @ 10.8% P<sub>2</sub>O<sub>5</sub><sup>(2)</sup>
- Mineral Resource only covers 45%, or
   1.2 km of potential 2.6 km of total mineralized strike length of the deposit





## RIO GRANDE DO SÚL PHOSPHATE. TRÊS ESTRADAS



## **Encouraging preliminary beneficiation results**

- Results indicate the potential to produce a commercial concentrate using standard methods and reagents available in the market
- Metallurgical recoveries up to 58.4% and concentrate grades up to 30.8% P<sub>2</sub>O<sub>5</sub><sup>1</sup>
- Further optimization test work to commence 2<sup>nd</sup> half 2014 with inclusion of column flotation tests

Sample Number & Description	Head Grade	le Overall Metallurgical Results			ults
(100 kg samples)	$P_2O_5$	Recovery	$P_2O_5$	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>
EB-06, Oxidised Carbonatite	16.2%	58.4%	30.8%	9.5%	10.1%
EB-07, Fresh Carbonatite	4.2%	58.1%	27.0%	3.3%	1.5%

Name of Deposit	Location	Tonnage (Mt)	Head Grade	Recovery	Concentration Grade	Stage
Siilinjärvi (Yara)²	Finland	465	4.2%/4.3%	84%	36%/36.5%	Production
Cajati (Vale) <sup>2</sup>	Brazil	100	4.6%/4.7%	78%	35.5%/36%	Production
Três Estradas (Aguia)	Brazil	<b>31</b> <sup>3</sup>	4.4%	58%	<b>27-31%</b> <sup>4</sup>	Exploration / Development

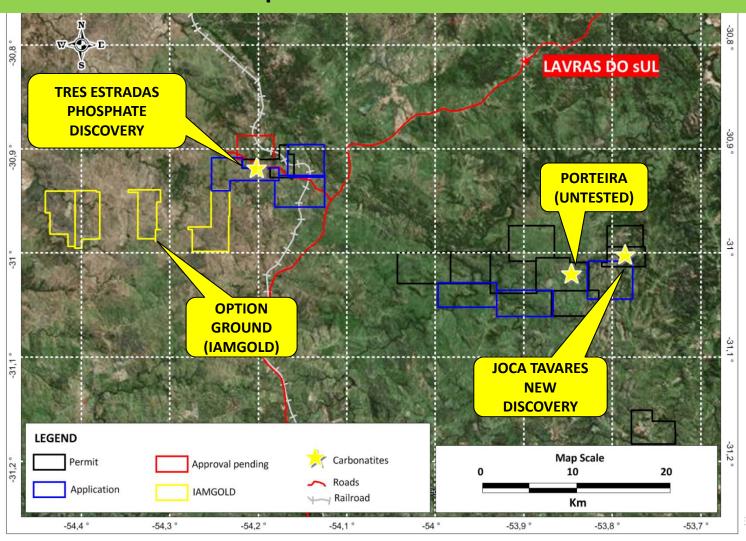
<sup>&</sup>lt;sup>1</sup> See ASX Release of 29<sup>th</sup> May 2014 <sup>2</sup>JSA Consultoria e Assessoria Técnica, Company data <sup>3</sup> Indicated and inferred resource calculated from 40% of potential target length and to 100 metres depth <sup>4</sup> Based on optimised locked-cycle testwork using mechanical flotation cells. The introduction of column flotation (as used in operating mines) to float the fine grained apatite is the next stage of the testwork programme, and will require pilot scale testing.

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## RIO GRANDE DO SUL PHOSPHATE: LARGE EXPLORATION UPSIDE



## World-class carbonatite province - Potential for further discoveries



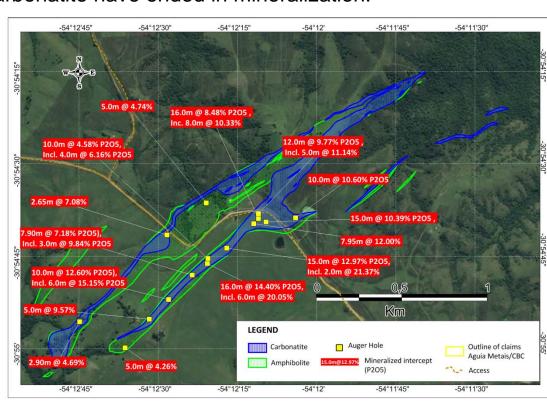
## RIO GRANDE DO SÚL PHOSPHATE: TRÊS ESTRADAS



## Três Estradas South not yet systematically drilled ~Potential resource expansion~

Initial shallow auger drilling from Três Estradas South has returned excellent results with grades up to +20% P<sub>2</sub>O<sub>5</sub>. All holes in carbonatite have ended in mineralization.

- 16.0 m @14.4% P<sub>2</sub>O<sub>5</sub> from surface, including 6.0 m @ 20.1% P<sub>2</sub>O<sub>5</sub>
- 10.0 m @12.6% P<sub>2</sub>O<sub>5</sub> from surface, including 6.0 m @ 15.5% P<sub>2</sub>O<sub>5</sub>
- 15.0 m @13.0% P<sub>2</sub>O<sub>5</sub> from surface, including 2.0 m @ 21.4% P<sub>2</sub>O<sub>5</sub>
- 15.0 m @10.4% P<sub>2</sub>O<sub>5</sub> from surface

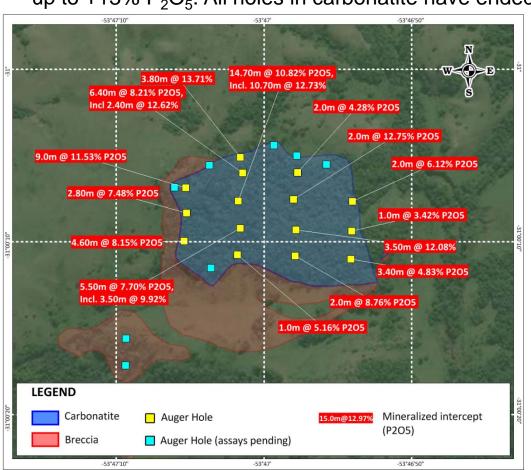


## RIO GRANDE DO SUL PHOSPHATE. JOCA TAVARES



## Joca Tavares is a new Carbonatite discovery 40 km east from Três Estradas

Initial scout auger drilling has returned excellent results in carbonatite from surface with grades up to  $+13\% P_2O_5$ . All holes in carbonatite have ended in mineralization.



- 14.7 m @10.8% P<sub>2</sub>O<sub>5</sub> from surface
- 9.0 m @11.5% P<sub>2</sub>O<sub>5</sub> from surface
- 3.8 m @13.7% P<sub>2</sub>O<sub>5</sub> from surface
- 3.5 m @12.1% P<sub>2</sub>O<sub>5</sub> from surface
- 4.6 m @ 8.2% P<sub>2</sub>O<sub>5</sub> from surface
- Carbonatite dimension delineated by drilling 350 m x 350 m and growing
- Follow up drilling planned for 2<sup>nd</sup> half 2014 targeting an initial JORCcompliant resource

## RIO GRANDE DO SÚL PHOSPHATE. CONCEPTUAL MINING STUDY



## Conceptual Mining Study based on existing Três Estradas resource

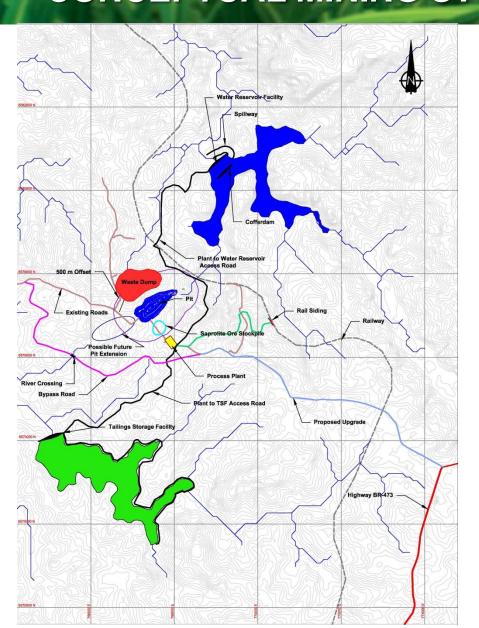
SRK Consulting (Canada) has prepared a conceptual mine plan based on the <u>existing</u> Três Estradas resource, which represents 45% of mapped strike length of the deposit.

## **Highlights**

- Capacity to support production of 350,000 tonnes of SSP annually
- Estimated opex of US\$177/t of SPP makes it a significant low cost producer to one of the largest fertilizer markets in the world
- Mining study based on mineral resources defined for half of the mapped strike length of Três Estradas deposit
- Access to local infrastructure should significantly reduce project build costs
- Significant potential for growth in mineral resource from further exploration of Três Estradas and Joca Tavares

## RIO GRANDE DO SUL PHOSPHATE: CONCEPTUAL MINING STUDY





#### Infrastructure

- On-site processing plant for 28% P2O5 concentrate @ 6,000tpd
- Local workforce from Lavras Do Sul (i.e. no LT on-site accommodation)
- Rail siding at existing railway ~2.5km from mine
- Power from Bagé (50km south) including a 96kV power line
- 350,000 tpa SSP plant to be located at an industrial site near Rio Grande port ~325km away, import acid

Excellent infrastructure resulting in low capex of \$218M

## RIO GRANDE DO SÚL PHOSPHATE. CONCEPTUAL MINING STUDY



## Preliminary analysis indicates competitive economics for SSP

Technical Parameters and OPEX								
Technical Parameters		<b>Economic Parameters</b>						
Mining Recovery	95%		\$US/t SSP					
Mining Dilution	5%	Selling Price SSP	330					
Process Recovery P2O5	60%	<u>Opex</u>						
Concentrate Grade	28%	Mining	45					
SSP Conversion Factor	1.65	Processing	105					
		Transport	10					
Production Parameters		G&A/Other	17					
28% P2O5 concentrate (tpa)	213,000	Total Opex	177					
SSP (tpa)	350,000							
Life of Mine (years)	12							

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	US\$ million
Mining	8.8
Plants	123.0
Infrastructure	34.6
Owner costs	23.4
Subtotal	189.8
Contingency	28.0
Initial Capex	217.8

- Ultimate pit shell layout generated with price of US\$245/t SSP.
- Potential for higher process recovery with column flotation (+60%) and therefore potential for OPEX reduction.
- Low Initial Capital vs. other juniors looking to produce downstream P<sub>2</sub>O<sub>5</sub> product.
- Potential to substantially expand life of mine by drilling the untested southern extension of Três Estradas.

## RIO GRANDE DO SUL PHOSPHATE. NEXT STEPS



## Committed to building a world class phosphate project in South Brazil

## **Expand Resource**

- Expand mineral resource at Três Estradas
- Delineation drilling at Joca Tavares

## **Metallurgy**

 Pilot plant program to test column flotation to optimize global recoveries of phosphate mineralization at Três Estradas

### **Preliminary Economic Assessment**

Update conceptual mining study with expanded resource and updated metallurgical parameters

## **Funding**

Board is currently reviewing a number of options

## AGUIA: ANTICIPATED TIMELINE



	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15
Drill Três Estradas South												
Drill Joca Tavares												
Três Estradas Pilot Test												
Joca Tavares Flotation Test												
TE Environmental Survey												
Resource and PEA Update												
Lucena Flotation Test												

Note: Management has prepared the timeline for purposes of planning work and it is subject to change as project parameters continue to be revised and updated based on additional drilling results and the results of the PEA and BFS

## AGUIA: SHARE PRICE PERFORMANCE & CAPITAL STRUCTURE



#### Aguia (AGR-AU) Stock Price Performance



Capital Structure	
Ticker - ASX	AGR
Shares Outstanding (Sept 29 2014)	213.9M
Market Cap at A\$0.04/share	A\$8.6M
Cash Balance (June 2014)	A\$0.5M
Unlisted Options (average price A\$0.27)	22.3M
Performance Shares (expire July 2016)	1.5M

Source: FT.com, AGR

## AGUIA OVERVIEW: BUILDING A BRAZILIAN FERTILIZER COMPANY



#### **Directors**

#### **David Gower – Interim Chairman**

—Over 25 years experience in the minerals industry including senior positions with Falconbridge Limited and Noranda Inc.

#### **Prakash Hariharan –** Managing Director

Chemical engineer with experience in Agrochemicals and a highly successful fund manager focused on the phosphate and potash sectors on both the ASX and TSX capital markets

#### Dr. Fernando Tallarico - Technical Director

—Over 20 years experience in Brazil in exploration and project generation for Noranda, Falconbridge and BHP Diamond South America.

#### Allan Pickett - Non-Executive Director

—Highly regarded Fertilizer Professional with 14 years experience with British Sulphur Consultants, the fertilizer and chemical division of CRU International Ltd.

#### **Brian Moller-** Non-Executive Director

 Lawyer, specializing in capital markets, mergers and acquisitions and corporate governance, and has been a partner of the legal firm HopgoodGanim for 30 years.

#### **Alec Pismiris - Non-Executive Director**

Over 25 years experience in the securities, finance and mining and industries. Currently a director of Capital Investment Partners, a company that provides corporate advisory services.



## **ENQUIRIES:**

## PRAKASH HARIHARAN- Managing Director info@aguiaresources.com.au

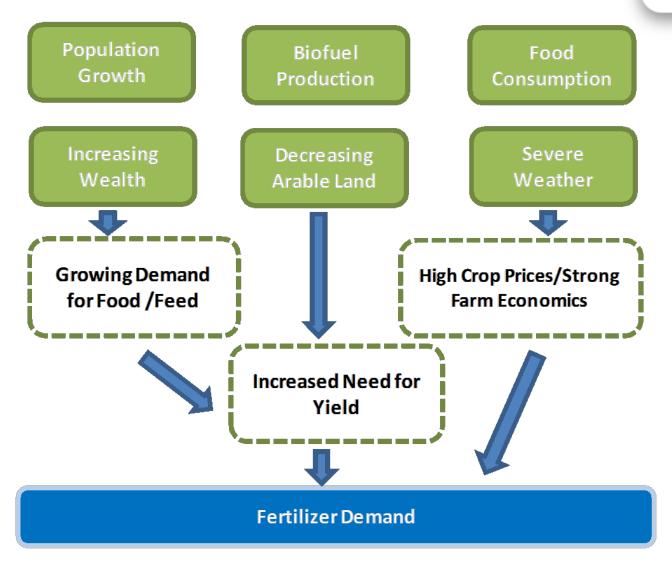
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## FERTILIZER DEMAND FACTORS





## THE NEED TO FEED: LONG-TERM INVESTMENT THESIS FOR FERTILIZER



### Compelling long-term growth drivers; Need to secure supply

#### Concentrated Supply and Security of Supply are the Key Concerns

- Near-term Phosphate Rock market is balanced;
   Potash in oversupply
- Potash production is highly concentrated 65% of global production from top 4 producers (2 marketing agencies)
- Phosphate export market is dominated by Morocco (~32%)

#### **Compelling Growth Drivers**

 Population growth, increasing wealth, shift to higher protein consumption, decreasing arable land

World	Fertilize	r Demand	d (Mt Nut	rient)
	N	P2O5	K20	Total
09/10	102.2	37.6	23.7	163.5
10/11	104.1	40.6	27.5	172.3
11/12	107.8	40.6	27.7	176.1
Change	3.5%	0.0%	0.9%	2.2%
12/13e	107.5	40.3	28.5	176.3
Change	-0.2%	-0.7%	2.7%	0.1%
13/14f	110.1	41.2	29.3	180.5
Change	2.3%	2.2%	2.7%	2.4%
17/18f	116.2	45.3	33.4	194.9
Avg Ann				
Change	1.5%	1.9%	3.0%	1.8%

Source: Heffer, IFA, June 2013

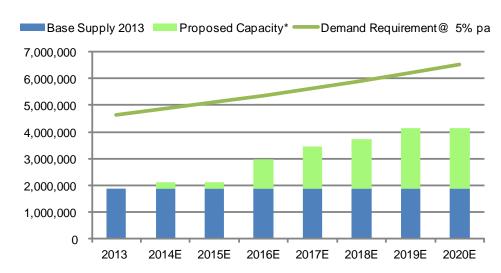
## BRAZIL: NEAR-TERM INVESTMENT THESIS FOR FERTILIZER



### Brazil Phosphate: P2O5 balance is forecast to remain in undersupply

- Brazil's current phosphate rock production is 5.4Mt
- Brazil's internal consumption is 12.9Mt (~4.6Mt P2O5), resulting in a 7.7Mt gap in the phosphate rock supply, which is higher than the forecasted growth of internal production by 2020
- It will take many years to fill the gap – Even if all proposed projects came on line on time, imports will still be required.

#### **Brazil Fertilizer P2O5 Supply\* & Demand Balance (Mt)**



<sup>\*</sup> reflects announced capacity additions - not adjusted for ramp up time/delays

## BRAZIL: NEAR-TERM INVESTMENT THESIS FOR FERTILIZER



## Brazil: Logistics advantage for local producers



 Most imported rock to Brazil is from North Africa with typical logistics costs of between \$50 - \$70/t

Sustained logistics advantage for local producers of > \$50/t

## Estimated Logistics Costs of Rock Suppliers to Brazil (US\$/t)

	Volume 2011 (kt)	Plant to Port	Ocean Freight	Brazil Port Handling <sup>1</sup>	Total Logistics
Algeria	213	15	20	24	59
Israel	113	12	30	27	69
Morocco	607	11	19	24	54
Peru	456	8	37	29	74
Togo	42	8	20	24	52
Tunisia	29	13	22	25	60

AGUIA RIO GRANDE PHOSPHATE PROJECT

## RIO GRANDE DO SUL PHOSPHATE. NEAR-TERM FOCUS IN SOUTH BRAZIL



Lucena Phosphate Proiect

## Current phosphate rock mining and proposed production is in Southeast Brazil

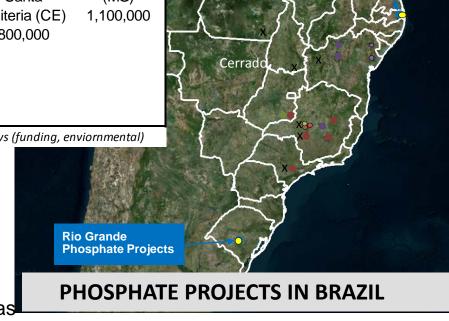
Table below reflects announced project capacities

	2014E	2015E	2016E	2017E	2018E	2019E
Project	-MBAC		-Anglo Catalao	-Galvani Angico	-Galvani	-Vale Salitre
(State)	Itafos (MG)		(GO)	Dias (BA)	Santa	(MG)
	685,000		1,400,000	145,000	Quiteria (CE)	1,100,000
					800,000	
			-MBAC	-Galvani Salitre		
			Santana 1 (PA)	(MG)		
			900,000	1,200,000		

**Note**: Projects are <u>proposed</u>; Expect 1-3 years to ramp up from start date; Potential for delays (funding, enviornmental)

#### **Rio Grande project benefits:**

- Strong demand with ~30% of fertilizer consumption in South
- No local production/competition
- Rail on site linking directly to Rio Grande Port that has an active fertilizer industry (one of only two acid terminals in the country)



Data Sources: ANDA, IFA, Company Documents

## RIO GRANDE DO SUL PHOSPHATE. NEAR-TERM FOCUS IN SOUTH BRAZIL



### **Carbonatite-Hosted Igneous Deposits**

Similar to Vale's Cajati Phosphate Mine in Brazil

			Size	Ore Grade	Last FY Prod.	Con. Grade
Ticker	Project Name	Location	mln t	P2O5 %	mln t	P2O5%
VALE-N	Araxa	Brazil	147.5	11.60%	1.2	35%/33%
VALE-N	Tapira	Brazil	717.3	6.70%	2.0	34.5%/35.5%
VALE-N	Catalao	Brazil	60.5	10.30%	0.9	35.5%/36%
VALE-N	Cajati	Brazil	125.4	4.65%	0.6	35.5%/36%
AAL-LN	Copebras (Ouvidor)	Brazil	303.4	13.08%	1.1	36%/36.5%
				9.27%	1.2	35%
YAR-NK State Owned PHOR-LN	Siilinjärvi Phalaborwa Apatit Operation Kukiswumchorr Yukspor Apatitovy Cirque Plateau Rasvumchorr Koashva	Finland South Africa Russia	465 4144.9 2060.4 411.6 543.6 119.0 289.9 629.3 59.0	4.25% 6.71% 15.06% 14.64% 14.25% 14.83% 13.57% 16.79%	0.8 2.1 7.9	36%/36.5% 37% 39%/40% 39%/40% 39%/40% 39%/40% 39%/40%
	VALE-N VALE-N VALE-N VALE-N AAL-LN YAR-NK State Owned	VALE-N Araxa VALE-N Tapira VALE-N Catalao VALE-N Cajati AAL-LN Copebras (Ouvidor)  YAR-NK Siilinjärvi State Owned Phalaborwa PHOR-LN Apatit Operation Kukisvumchorr Yukspor Apatitovy Cirque Plateau Rasvumchorr	VALE-N Araxa Brazil VALE-N Tapira Brazil VALE-N Catalao Brazil VALE-N Cajati Brazil AAL-LN Copebras (Ouvidor) Brazil  YAR-NK Siilinjärvi Finland State Owned Phalaborwa South Africa PHOR-LN Apatit Operation Kukisvumchorr Yukspor Apatitowy Cirque Plateau Rasvumchorr	TickerProject NameLocationmln tVALE-NAraxaBrazil147.5VALE-NTapiraBrazil717.3VALE-NCatalaoBrazil60.5VALE-NCajatiBrazil125.4AAL-LNCopebras (Ouvidor)Brazil303.4YAR-NKSiilinjärviFinland465State OwnedPhalaborwaSouth Africa4144.9PHOR-LNApatit OperationRussia2060.4Kukiswumchorr411.6Yukspor543.6Apatitovy Cirque119.0Plateau Rasvumchorr289.9	Ticker         Project Name         Location         mln t         P205 %           VALE-N         Araxa         Brazil         147.5         11.60%           VALE-N         Tapira         Brazil         717.3         6.70%           VALE-N         Catalao         Brazil         60.5         10.30%           VALE-N         Cajati         Brazil         125.4         4.65%           AAL-LN         Copebras (Ouvidor)         Brazil         303.4         13.08%           YAR-NK         Siillinjärvi         Finland         465         4.25%           State Owned         Phalaborwa         South Africa         4144.9         6.71%           PHOR-LN         Apatit Operation         Russia         2060.4         15.06%           Kukiswumchorr         411.6         14.64%           Yukspor         543.6         14.25%           Apatitowy Cirque         119.0         14.83%           Plateau Rasvumchorr         289.9         13.57%	Ticker         Project Name         Location         mln t         P205 %         mln t           VALE-N         Araxa         Brazil         147.5         11.60%         1.2           VALE-N         Tapira         Brazil         717.3         6.70%         2.0           VALE-N         Catalao         Brazil         60.5         10.30%         0.9           VALE-N         Cajati         Brazil         125.4         4.65%         0.6           AAL-LN         Copebras (Ouvidor)         Brazil         303.4         13.08%         1.1           YAR-NK         Siilinjärvi         Finland         465         4.25%         0.8           State Owned Phalaborwa         South Africa         4144.9         6.71%         2.1           PHOR-LN         Apatit Operation         Russia         2060.4         15.06%         7.9           Kukisvumchorr         411.6         14.64%         7.9         7.9           Apatitowy Cirque         119.0         14.83%         14.25%           Apatitowy Cirque         119.0         14.83%         14.25%           Plateau Rasvumchorr         289.9         13.57%

Brazil mines are lower grade on average except Yara's Siilinjärvi mine.

Recall, local production in Brazil saves \$50-\$70/t in seaborne transport costs, facilitating production of lower grade material.

Igneous deposits typically produce cleaner, higher grade concentrate than sedimentary deposits.

<b>Development Projects</b>				Size	Ore Grade	Est. Rock Prod.	Con. Grade	Target Start	Mine Life
Company	Ticker	Project Name	Location	mln t	P2O5 %	mln t	P2O5%	Year	Years
Vale	VALE-N	Salitre	Brazil	205.7	11.40%	2.0	n.a.	2014	19
Vale(50%)/Private	VALE-N	Anitapolis	Brazil	54	9.01%	0.3	n.a.	n.a.	n.a.
Aguia Resources	AGR-AU	Rio Grande	Brazil		~4%	0.2	28%	n.a.	n.a.
Arianne Phosphate	DAN-V	Lac a Paul	Canada	590.2	7.13%	3.0	39%	2016	25+
Phoscan Chemical	FOS-V	Martison	Canada	62.2	23.55%	2.0	36 - 37%	n.a.	n.a.
Taseko Mines	TKO-T	Aley Property	Canada	5.0*	3% - 5%*	n.a.	n.a.	n.a.	n.a.

Note- Size and grade of deposit taken from M+I Resource or P+P Reserves

<sup>\*</sup> deposits with focus other than P, size and grades taken from "Carbonatite-Associated Deposits" by Richardson and Birkett, 1996

## BRAZILIAN BORDER ZONE RIO GRANDE TE AND JT PROJECTS



**The Option:** Aguia has an option to acquire the Rio Grande Projects TE and JT 100% for 5 million shares.

**The Issue:** An historical throw-back to defence issues that concerned the former military government (1964 – '85) is that legally any mine located within 150km of the Brazilian border has to be majority owned by Brazilians. Recent governments have pushed back on the law: it was 300km, and there are moves to reduce it from 150km to 50km. **TE and JT are within the 150km zone but outside the 50km zone.** 

**The Solution:** Should the option be exercised to acquire the tenements 100% for 5m shares, the Company will be required to enter into a joint venture with a Brazilian owned company to develop the tenements. Accordingly the Company has set up **Aguia Fertilizers**, in which Aguia Resources owns 49%, and Brazilian interests 51%, and with shareholder agreements which channel all economic benefits back to Aguia resources.

**Precedents Exist.** There are currently 5 producing mines in the border zone with foreign ownership using similar strategies and a further 7 companies (including Aguia) in the exploration phase

Explorer
Anglo Gold
Yamana Gold
Lara Exploration
Magellan Minerals
Amarillo Gold Corp.
lamGold
Aguia Resources Ltd.

Current Producing Mines in the Border Zone										
Producer	Brazilian Entity	Mine Name	Product							
Aura Minerals	Mineração Apoena	São Vincente	Gold							
Aura Minerals	Mineração Apoena	São Francisco	Gold							
Anglo American	Anglo Ferrous Amapá Mineração	Mine 66	Iron Ore							
Eldorado Gold	Unamgen Mineração e Metalurgia	Vila Nova	Iron Ore							
Rio Tinto	Mineração Corumbaense Reunida S.A.	Corumba	Iron Ore							

## RIO GRANDE DO SÚL PHOSPHATE. TRÊS ESTRADAS



### **Preliminary JORC Resource (Indicated and Inferred)**

Table 1: Audited Mineral Resource Statement\*, Três Estradas Phosphate Project, Rio Grande do State, Brazil, SRK Consulting (Canada) Inc., May 17, 2013

	Tonnage	P <sub>2</sub> O <sub>5</sub>	CaO	MgO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	RCP <sup>†</sup>	P <sub>2</sub> O <sub>5</sub> AP <sup>‡</sup>
Lithotype	T x 1000	(%)	(%)	(%)	(%)	(%)	(%)		(%)
	In	dicated	Minera	l Resou	urces				
Saprolite									
AMPSAP (amphibolite)	123	5.29	10.85	6.90	15.84	39.88	8.49	2.14	5.29
CBTSAP (carbonatite)	1,242	11.50	19.92	3.56	20.53	25.45	4.88	2.10	11.41
Weathered									
WMCBT (carbonatite)	1,226	5.83	34.78	5.50	10.54	13.04	2.07	6.96	5.83
Fresh Rock									
MCBT (carbonatite)	7,301	3.80	35.34	7.17	7.96	10.72	1.90	9.49	3.80
Total Indicated	9,891	5.03	33.03	6.51	9.96	13.22	2.38	8.16	5.02
	lı .	nferred	Mineral	Resou	rces				
Saprolite									
AMPSAP (amphibolite)	81	5.80	11.40	6.62	16.70	39.02	8.35	2.12	5.77
CBTSAP (carbonatite)	363	11.38	17.61	3.43	21.05	27.83	5.56	1.75	11.28
Weathered									
WMCBT (carbonatite)	254	4.80	36.61	5.96	8.92	10.89	1.88	8.45	4.80
Fresh Rock									
MCBT (carbonatite)	19,894	3.79	35.78	7.30	7.74	9.91	1.76	9.60	3.79
Total Inferred	20,591	3.94	35.38	7.21	8.02	10.36	1.85	9.42	3.94

<sup>\*</sup> Mineral resources are not mineral reserves and do not have a demonstrated economic viability. All figures are rounded to reflect the relative accuracy of the estimates. The mineral resources are reported within a conceptual pit shell at a cut-off grade of 3.00 percent of P<sub>2</sub>O<sub>5</sub> for saprolite, weathered, and fresh rock mineralization. Optimization parameters include selling price of US\$200.00 per tonne of concentrate at 32 percent of P2O<sub>5</sub>, a metallurgic recovery of 70 percent of P<sub>2</sub>O<sub>5</sub>, 100 percent for mining recovery and 0 percent dilution, and overall pit slopes of 38 and 60 degrees.

<sup>†</sup> CaO/ P<sub>2</sub>O<sub>5</sub> ratio.

P<sub>2</sub>O<sub>5</sub> contained in apatite.

<sup>1</sup> SRK Consulting: cut-off grade of 3.0% P<sub>2</sub>O<sub>51</sub>

## RIO GRANDE DO SUL PHOSPHATE: TRÊS ESTRADAS



# Railway line

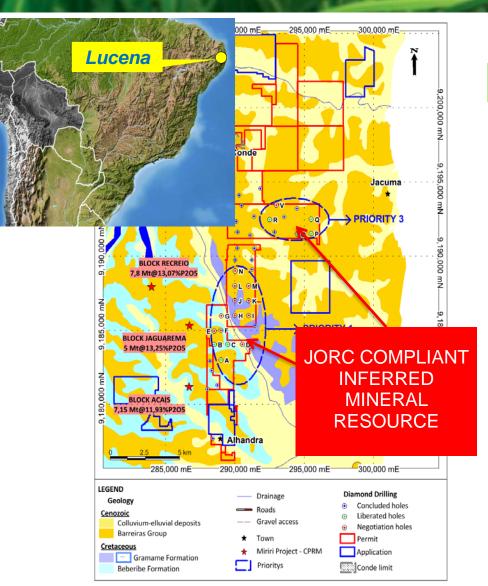
## Railway and easy access

Três Estradas is in rolling open countryside, mostly scrub, with some light grazing

Phosphate mineralization at surface

## LUCENA PHOSHPHATE PROJECT





#### Potential for resource increase

- JORC compliant inferred mineral resource of 55.1Mt @ 6.42% P<sub>2</sub>O<sub>5</sub><sup>1</sup>
- The mineral resource only covers a potion of the project area with room to expand
- Extensive land position, close to existing infrastructure including roads, water, power and ports.
- CPRM discovered shallow phosphate mineralization up to 22% P<sub>2</sub>O<sub>5</sub> in several deposits to the west
- Further work under review

## LUCENA PHOSHPHATE PROJECT



### **JORC Inferred Resource Estimate for Sedimentary Deposit in Paraiba State**

Initial JORC compliant inferred resource of 55Mt @ 6.42% P<sub>2</sub>O<sub>5</sub><sup>1</sup>

Table 1: Audited Mineral Resource Statement\*, Lucena Phosphate Project, Paraíba State, Brazil, SRK Consulting (Canada) Inc., April 4, 2013

Lithotypo	Tonnage	P <sub>2</sub> O <sub>5</sub>	CaO	MgO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>
Lithotype	T x 1000	(%)	(%)	(%)	(%)	(%)	(%)
	Ir	ferred N	lineral R	esources			
MIN1	6,151	4.94	2.02	0.61	7.71	58.92	15.77
MIN2	48,992	6.60	12.83	1.52	5.36	49.45	11.87
Total Inferred	55,143	6.42	11.63	1.42	5.63	50.51	12.31

<sup>\*</sup> Mineral resources are not mineral reserves and do not have a demonstrated economic viability. All figures are rounded to reflect the relative accuracy of the estimates. The mineral resources are reported within a conceptual pit shell at a cut-off grade of 3.00 percent of P<sub>2</sub>O<sub>5</sub>. Optimization parameters include selling price of US\$200.00 per tonne of concentrate at 32 percent of P<sub>2</sub>O<sub>5</sub>, a metallurgic recovery of 70 percent of P<sub>2</sub>O<sub>5</sub>, 100 percent for mining recovery and 0 percent dilution, and overall pit slope of 38 degrees.

## **ATLANTIC POTASH PROJECT**



- Adjacent to Brazil's only operating potash mine – Taquari-Vassouras Mine (Vale), which produces <10% of Brazil's consumption, with reserves until 2019.
- Concurrently, Vale is developing its Carnallita Potash Project for 1.2Mt solution-mined KCl from carnallite and has cancelled its Rio Colorado potash project in Argentina
- AGR controls a large landholding of ~130,000 hectares
- Excellent infrastructure in place
- Basin consolidation opportunity
- Recently renegotiated option agreement with Lara Exploration (drill by June 30, 2015)



## PEER COMPARISON: PHOSPHATES



Company Deposit Last 52 wk 52 wk Shares Cap Situ (By Development Stage) Ticker Crncy Location Type Stage Price High Low O/S (CAD) Tonnes P2O5 %	39.3 18.3 4.6 142.2	5.0% 28.7% 29.9%
Advanced         Advanced         Sedimentary         Const.         0.14         2.34         0.13         181.6         25.4         145.0         8.2%           Advanced         GB Minerals         GBL-V         CAD         Guinea Bissau         Sedimentary         Const.         0.08         0.16         0.05         202.8         15.2         92.6         28.7%           Stonegate Agricom         ST-T         CAD         Idaho         Sedimentary         Perm.         0.10         0.28         0.10         194.2         19.4         29.8         30.0%           Arianne Phosphate         DAN-V         CAD         Quebec         Igneous         Perm.         0.94         1.69         0.88         87.0         81.8         754.0         6.8%           UCL Resources Ltd.         Private         n.a.         Namibia         Sedimentary         Perm.         n.a.         n.a.         n.a.         n.a.         226.9         20.2%           Legend International Hldgs         LGD-AU         AUD         Australia         Sedimentary         Perm.         0.26         0.40         0.25         444.1         113.7         202.8         14.9%           Intermediate	18.3 4.6 142.2	28.7% 29.9%
Advanced         GB Minerals         GBL-V         CAD         Guinea Bissau         Sedimentary         Const.         0.08         0.16         0.05         202.8         15.2         92.6         28.7%           Stonegate Agricom         ST-T         CAD         Idaho         Sedimentary         Perm.         0.10         0.28         0.10         194.2         19.4         29.8         30.0%           Arianne Phosphate         DAN-V         CAD         Quebec         Igneous         Perm.         0.94         1.69         0.88         87.0         81.8         754.0         6.8%           UCL Resources Ltd.         Private         n.a.         Namibia         Sedimentary         Perm.         n.a.	18.3 4.6 142.2	28.7% 29.9%
GB Minerals         GBL-V         CAD         Guinea Bissau         Sedimentary         Const.         0.08         0.16         0.05         202.8         15.2         92.6         28.7%           Stonegate Agricom         ST-T         CAD         Idaho         Sedimentary         Perm.         0.10         0.28         0.10         194.2         19.4         29.8         30.0%           Arianne Phosphate         DAN-V         CAD         Quebec         Igneous         Perm.         0.94         1.69         0.88         87.0         81.8         754.0         6.8%           UCL Resources Ltd.         Private         n.a.         Namibia         Sedimentary         Perm.         n.a.         n.a.         n.a.         n.a.         113.7         202.8         14.9%           Intermediate           Celamin Holdings         CNL-AU         AUD         Tunisia         Sedimentary         DFS         0.02         0.06         0.02         235.7         5.7         n.a.         n.a.           Minbos Resouces Limited         MAK-AU         AUD         Australia         Sedimentary         DFS         0.01         0.02         0.00         292.1         1.5         46.5         16.9% <td>4.6 142.2</td> <td>29.9%</td>	4.6 142.2	29.9%
Stonegate Agricom         ST-T         CAD         Idaho         Sedimentary         Perm.         0.10         0.28         0.10         194.2         19.4         29.8         30.0%           Arianne Phosphate         DAN-V         CAD         Quebec         Igneous         Perm.         0.94         1.69         0.88         87.0         81.8         754.0         6.8%           UCL Resources Ltd.         Private         n.a.         Namibia         Sedimentary         Perm.         n.a.         n.a.         n.a.         n.a.         n.a.         n.a.         226.9         20.2%           Legend International Hldgs         LGD-AU         AUD         Australia         Sedimentary         Perm.         0.26         0.40         0.25         444.1         113.7         202.8         14.9%           Intermediate           Celamin Holdings         CNL-AU         AUD         Tunisia         Sedimentary         DFS         0.02         0.06         0.02         235.7         5.7         n.a.         n.a.           Minbos Resouces Limited         MNB-AU         AUD         Australia         Sedimentary         DFS         0.01         0.02         0.00         292.1         1.5         46.5 <td>4.6 142.2</td> <td>29.9%</td>	4.6 142.2	29.9%
Arianne Phosphate         DAN-V         CAD         Quebec         Igneous         Perm.         0.94         1.69         0.88         87.0         81.8         754.0         6.8%           UCL Resources Ltd.         Private         n.a.         Namibia         Sedimentary         Perm.         n.a.         n.a. <t< td=""><td>142.2</td><td></td></t<>	142.2	
UCL Resources Ltd.         Private         n.a.         Namibia         Sedimentary Perm.         n.a.		
Legend International HIdgs         LGD-AU         AUD         Australia         Sedimentary         Perm.         0.26         0.40         0.25         444.1         113.7         202.8         14.9%           Intermediate           Celamin Holdings         CNL-AU         AUD         Tunisia         Sedimentary         DFS         0.02         0.06         0.02         235.7         5.7         n.a.         n.a.           Minbos Resouces Limited         MNB-AU         AUD         Angola         Sedimentary         DFS         0.01         0.02         0.00         292.1         1.5         46.5         16.9%           Minemakers Limited         MAK-AU         AUD         Australia         Sedimentary         DFS         0.08         0.18         0.08         247.5         20.4         300.0         18.2%		5.0%
Intermediate         Colamin Holdings         CNL-AU         AUD         Tunisia         Sedimentary         DFS         0.02         0.06         0.02         235.7         5.7         n.a.         n.a.           Minbos Resouces Limited         MNB-AU         AUD         Angola         Sedimentary         DFS         0.01         0.02         0.00         292.1         1.5         46.5         16.9%           Minemakers Limited         MAK-AU         AUD         Australia         Sedimentary         DFS         0.08         0.18         0.08         247.5         20.4         300.0         18.2%	1608.0	18.9%
Celamin Holdings         CNL-AU         AUD         Tunisia         Sedimentary         DFS         0.02         0.06         0.02         235.7         5.7         n.a.         n.a.           Minbos Resouces Limited         MNB-AU         AUD         Angola         Sedimentary         DFS         0.01         0.02         0.00         292.1         1.5         46.5         16.9%           Minemakers Limited         MAK-AU         AUD         Australia         Sedimentary         DFS         0.08         0.18         0.08         247.5         20.4         300.0         18.2%	313.3	15.2%
Minbos Resouces Limited         MNB-AU         AUD         Angola         Sedimentary         DFS         0.01         0.02         0.00         292.1         1.5         46.5         16.9%           Minemakers Limited         MAK-AU         AUD         Australia         Sedimentary         DFS         0.08         0.18         0.08         247.5         20.4         300.0         18.2%		
Minemakers Limited MAK-AU AUD Australia Sedimentary DFS 0.08 0.18 0.08 247.5 20.4 300.0 18.2%	130.0	20.5%
	344.8	8.2%
Great Quest Metals GQ-V CAD Mali Sedimentary PFS 1.30 2.54 0.53 48.9 63.6 n.a. n.a.	542.0	18.0%
· ·	50.0	24.3%
Cominco Resources Private n.a. ROC Sedimentary PFS n.a. n.a. n.a. n.a. n.a. 483.7 11.3%	50.0	9.0%
<u>Early</u>		
Phoscan Chemical FOS-T CAD Ontario Igneous PEA 0.29 0.34 0.25 156.8 45.5 62.2 23.5%	55.7	21.9%
Rum Jungle Resources RUM-AU AUD Australia Sedimentary PFS 0.08 0.19 0.08 385.5 32.5 178.0 15.5%	370.0	14.9%
Aguia Resources Limited AGR-AU AUD Brazil Igneous/Sed PEA 0.04 0.08 0.04 213.9 8.6 9.9 5.0%	75.6	5.7%
DuSolo Fertilizer DSF-V CAD Brazil Sedimentary PEA 0.32 0.34 0.12 104.5 33.5 0.3 15.1%	4.1	14.4%
Chatham Rock Phosphate CRP-NZ NZD New Zealand Sedimentary Res. 0.15 0.33 0.08 158.8 22.1 n.a. n.a.	80M m3	290kg/m3
Focus Ventures FCV-V CAD Peru Sedimentary Res. 0.24 0.35 0.12 76.9 18.5 n.a. n.a.	n.a.	n.a.
Strata Minerals SMP-V CAD Australia/Utah Sedimentary Res. 0.09 0.30 0.05 21.4 1.9 n.a. n.a.	n.a.	0.3%-4.0%

Source: Company Reports, Yahoo Finance, Bloomberg

## PEER COMPARISON: PHOSPHATES



				Engine	ering	Min	ing	Produ	ct & Proce	ssing	Cost Metrics		
Company	Deposit	Mine Type	Location	Last Study	Stage	Strip Ratio	Mine Life Years	Phosrock Product Mln tpa	Product Grade P2O5%	Recovery Ratio %	Init. CapEx US\$ mIn	Sustaining Capex US\$ mln	OpEx (ex Trans) US\$/t
Phosrock Producing F													
Sedimentary Deposits													
Stonegate	Paris Hills (LPZ)	UG	Idaho	DFS	Perm.	0.0	19	0.9	29.50%	100%	121	134	69
UCL Resources Limited	Sandpiper Marine	DR	Namibia	DFS	Perm.	0.0	20	3.0	28.00%	n.a.	355	86	60
GB Minerals	Farim (BPRC)	OP	Guinea Bissau	DFS	Const.	7.4	25	1.0	32.00%	76%	166	138	69
Celamin Holdings	Chaketma	OP	Tunisia	PEA	DFS	5.4	53	1.5	30.00%	70%	364	n.a.	55
Minbos	Cabinda	OP	Angola	PEA	DFS	2	10	0.8	33.00%	77%	157	n.a.	40
Cominco Resources	Hinda	OP	ROC	PEA	PFS	1.45:1	20+	4.0	32.00%	63%	616	n.a.	35
New Agribusiness & Chemical	Korella	OP	Australia	PEA	PFS	n.a.	6	0.6	30.00%	n.a.	42	n.a.	60
Rum Jungle Resources	Ammaroo	OP	Australia	Res.	PFS	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Phosphate Australia	Highland Plains	OP	Australia	Res.	DFS	n.a.	n.a.	3.0*	32.00%*	76%*	422*	n.a.	56*
Central Australian Phosphate	Arganara	OP	Australia	Res.	PEA	n.a.	n.a.	0.2*	25%-30%*	n.a.	n.a.	n.a.	80*
Chatham Rock Phosphate	Chatham Rise	DR	New Zealand	n.a.	Res.	n.a.	15*	1.5*	n.a.	n.a.	n.a.	n.a.	n.a.
DuSolo Fertilizer	Bomfim	OP	Brazil	Res.	PEA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Focus Ventures	Bayovar 12	OP	Peru	n.a.	Res.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Strata Minerals	Cardabia/Diamond Mtn	OP/UG	Australia/Utah	n.a.	Res.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Average						3.7	21	1.6	30.94%	75%	263	n.a.	58
Igneous Deposits													
Arianne Phosphate	Lac à Paul	OP	Quebec	DFS	Perm.	0.8	26	3.0	38.9%	90%	1215	385	80
PhosCan	Martison	OP	Ontario	Old PFS	PEA	2.8	n.a.	2.0*	36%-37%*	70%*	n.a.	n.a.	n.a.
Average						1.8	26	2.5	38.90%	80%	1215	385	80
Phosphate Upgraded	Product Projects (	not nec	essarily con	nparable d	due to v	arying p	roduct a	nd levels of	processin	q)			
MBAC Fertilizers	ItaFos (SSP)	OP	Brazil	DFS	Const.	2.9	19	0.3	28.00%	53%	323	n.a.	162
	Santana (SSP)	OP	Brazil	PFS	DFS	2.8	32	0.3	34.00%	55%	427	209	113
Aguia Resources	Tres Estradas (SSP)	OP	Brazil	Res.	PEA	2.3	12	0.2	28.00%	60%	218	n.a.	177
Legend International	Paradise (MAP/DAP)	OP	Australia	DFS	Perm.	n.a.	30	2.0	32.50%	n.a.	830	n.a.	262
Sunkar Resources	Chilisai (MAP/DAP)	OP	Kazakhstan	Prelim. DFS	DFS	n.a.	50	5.1	17.00%	n.a.	1942	n.a.	232
Minemakers	Wonarah (SPA)	OP	Australia	PEA	DFS	4.5	20	1.0	20.00%	n.a.	1,606	n.a.	278
Great Quest Metals	Tilemsi (NPK, DAPR)	OP	Mali	PEA	PFS	6.8	20	1.0	33.24%	n.a.	156	135	79
Average						3.3	24	1.3	27.22%	56%	689	383	153

<sup>\* -</sup> Based on company estimates from company presentations and website

Source: Company Reports