Iluka Resources Limited



Jacinth-Ambrosia Site Visit Eucla Basin, South Australia July 2014



Disclaimer – Forward Looking Statements



Forward Looking Statements

This presentation contains certain statements which constitute "forward-looking statements". These statements include, without limitation, estimates of future production and production potential; estimates of future capital expenditure and cash costs; estimates of future product supply, demand and consumption; statements regarding future product prices; and statements regarding the expectation of future Mineral Resources and Ore Reserves.

Where Iluka expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and on a reasonable basis. No representation or warranty, express or implied, is made by Iluka that the matters stated in this presentation will in fact be achieved or prove to be correct.

Forward-looking statements are only predictions and are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks and factors include, but are not limited to:

- · changes in exchange rate assumptions;
- · changes in product pricing assumptions;
- · major changes in mine plans and/or resources;
- · changes in equipment life or capability;
- emergence of previously underestimated technical challenges; and
- environmental or social factors which may affect a licence to operate.

Except for statutory liability which cannot be excluded, Iluka, its officers, employees and advisers expressly disclaim any responsibility for the accuracy or completeness of the material contained in this presentation and exclude all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission there from.

Iluka does not undertake any obligation to release publicly any revisions to any forward-looking statement to reflect events or circumstances after the date of this presentation, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

Iluka's Ore Reserves and Mineral Resources information in this document have been prepared in accordance with JORC 2012. Refer to Iluka's Ore Reserves and Mineral Resources Statement 2013, Iluka Annual Report, Page 133-135 and ASX Release on 30 April 2014, "Addendum to 2013 Annual Report".



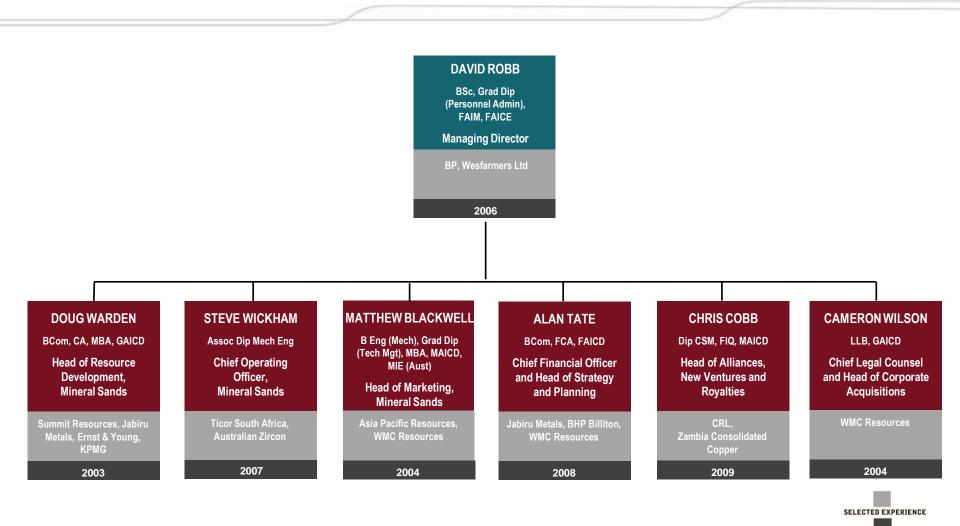


Operational Overview

Steve Wickham, Chief Operating Officer, Mineral Sands

Executive Team





4

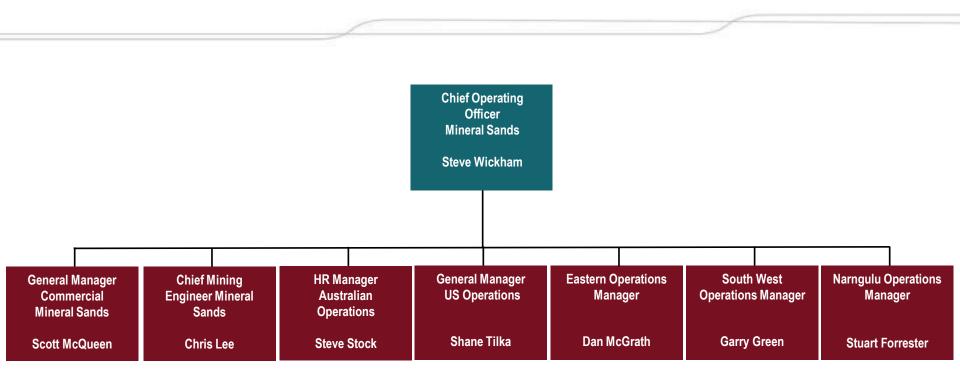
YEAR JOINED ILUKA

Iluka International Presence





Mineral Sands Operation Team



ILUKA

Mineral Sands Operations Integration

Woomack, Rownack & Pirro limenite



Operational Overview

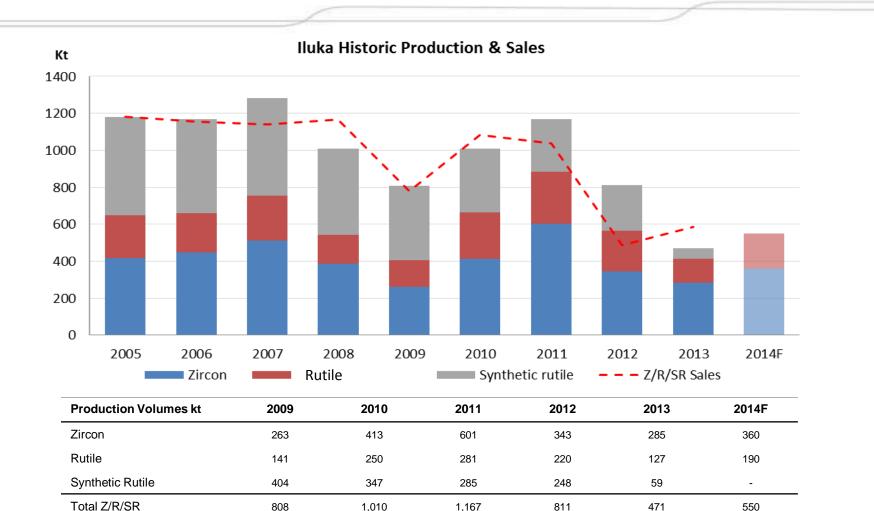


- Operations in Australia and United States, sales offices globally distributed
- Approximately 620 operational employees (direct lluka, excluding contractors)
- At 31 December 2013 approximately 10 years reserve cover; resources ~6 times Ore Reserves
- Flexible operational mindset developed
- Close collaboration with market developments through mine to market

JORC Status (31 December 2013)	Ore (Mt)	HM In-Situ (Mt)	Rutile (%)	Zircon (%)	llmenite (%)
Ore Reserves	476.9	26.6	6	19	52
Mineral Resources	2,590.4	178.7	6	10	59

Refer Iluka's Annual Report 2013 Ore Reserves and Mineral Sources Statement

Mineral Sands Production and Sales



660

674

584

2014F per Iluka Key Physical and Financial Parameters 2014 statement 21 February 2014 Rutile includes other high grade TiO2 products produced and sold i.e. HyTi/Leucoxene

833

685

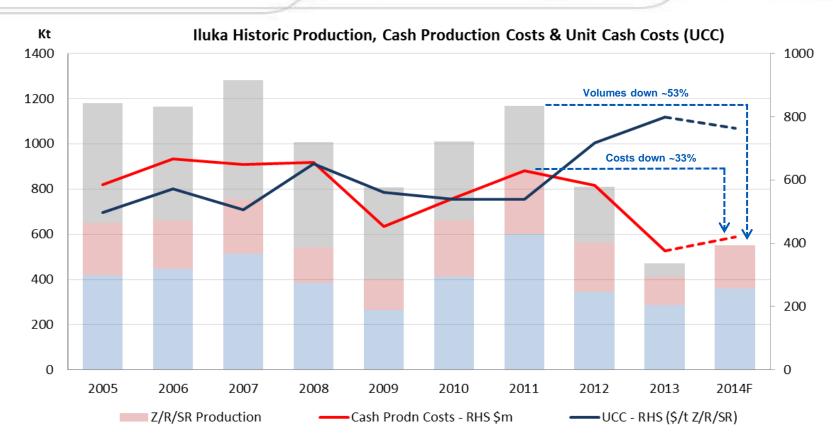
Ilmenite

Not Guided

ILUKA

Operational Response



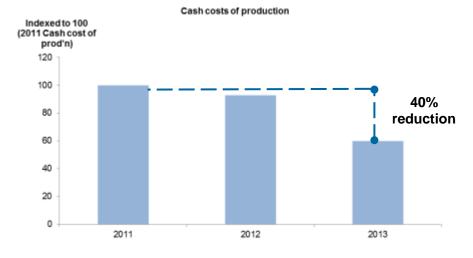


- Major operational restructure, cost reduction and capital efficiency programs implemented
- Material reduction in cash production cost; some inefficiencies on unit cost basis (see note below)
- Operations priorities: safety, production costs, unit costs, inventories, position Iluka for upswing

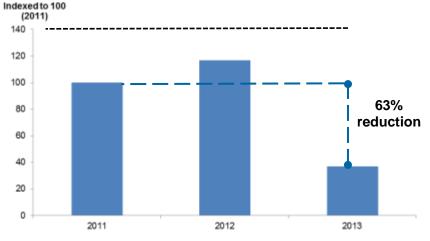
Note: Cash cost of production shown here include costs associated with mineral sands production as well as by-product cash costs (char, iron oxide etc). In recent years, these by-product costs have become an increasing amount; for example in 2012 by-product costs were ~\$10m, in 2013 ~\$20m and in 2014 guided at ~\$65m. Shown here is the guided \$430m of 2014 cash cost, but inclusive of this ~\$65m. 2014F as disclosed in ASX Release, Iluka Key Physical and Financial Parameters 2014, 21 February 2014

Cash Conservation Focus





Cash costs of production (LHS Indexed 100 2011)



----- Relates to ~ \$200m to ~\$250m average p.a. sustaining and growth capital expenditure, which is both an historical average and expectation for the company's 2014-2018 corporate planning cycle. The \$200m level shown on the chart.

Capital expenditure

Operational Response and Cost Reductions

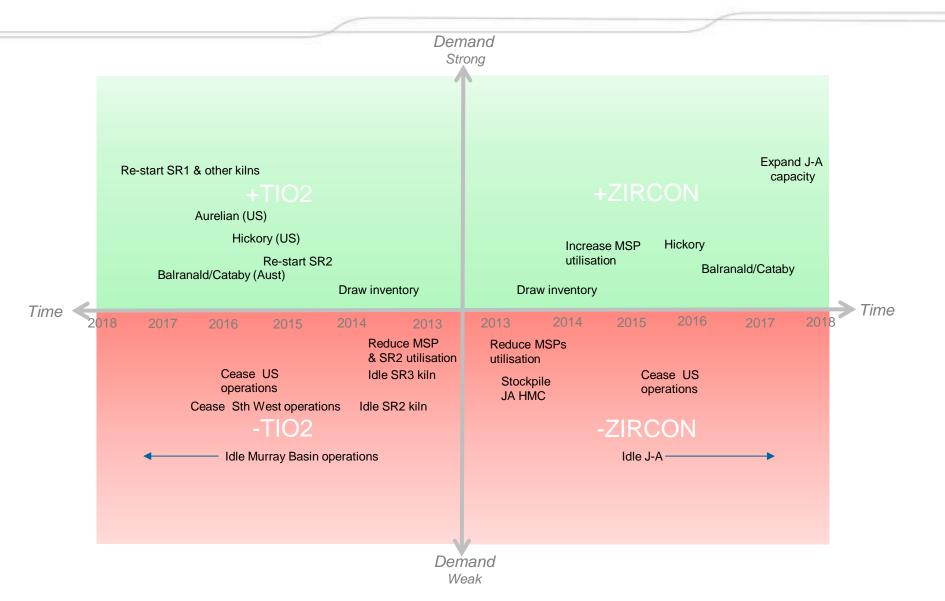
- Narngulu SR kiln idled April 2013
- Eneabba mine idled April 2013
- North Capel SR kiln idled end Q2 2013, key staff retained, re-start ready
- Tutunup South mine idled end Q2 2013, restart ready per SR kiln timing
- Narngulu (WA) mineral separation plant operating ~50% utilisation
- Hamilton (Vic) mineral separation plant operating at ~80% utilisation
- Woornack, Rownack and Pirro (Vic) earth movements optimised
- Jacinth-Ambrosia mine operating at normal production levels
 - mined low grade area from Q3 2012 to February 2013
 - HMC production stockpiled from July 2012 to April 2013
 - downstream processing resumed, HMC stockpile stablised
- ~25% reduction in Australian Operations overheads
- ~30% reduction in Australian Operations workforce (~200 positions)
- Focus on cash capital efficiency with projects prioritised





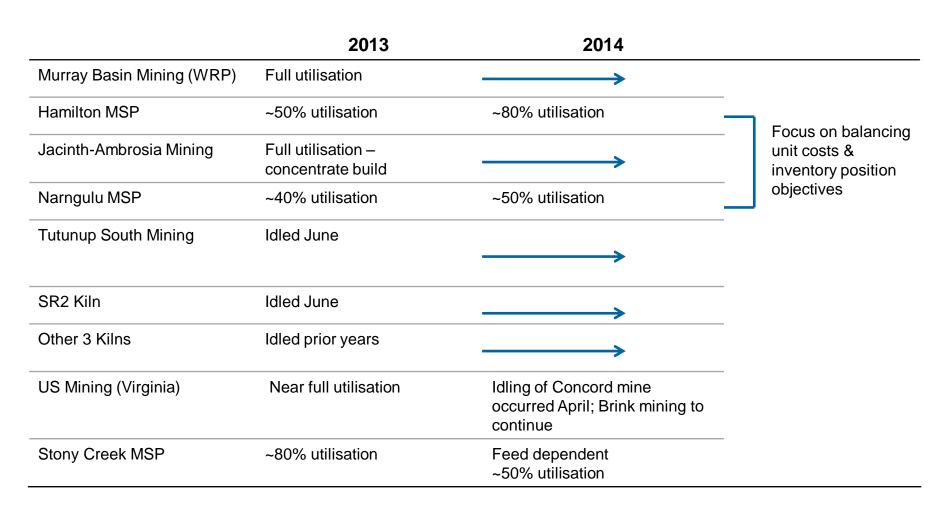
Operations – Options Flexibility





2013 and 2014 Production Settings





2014 operating regimes dependent on market demand conditions

Project Execution and Delivery



















Operational and Project Implementation - What Worked

'Focused on what we control – safety, environment, costs, capital, inventory & stakeholders'

Culture

- Adaptive cultural change in 2009 based on leadership, accountability and flexibility
- Focused on 'setting high standards and achieving them' safety, environment, costs, planning and execution
- · Maintained a lean flexible cost culture when times are good pays dividends in tough times
- Underpinned new culture with 'Game Plan' alignment at all levels of the organisation

Planning

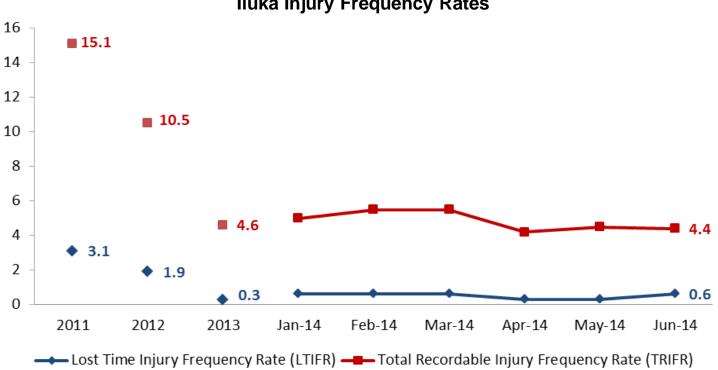
- Maintained internal confidentiality while developing response options
- Evaluated all available external and internal intelligence regarding market conditions
- Options analysis included impacts on margins, costs, inventory, people and stakeholders
- Options structured to respond to a wide range of possible market conditions
- All plans had to maintain organisational and operational readiness to respond quickly to rebound market
- Focused and achieved rapid integrated analysis, planning and execution this is now done continuously

Execution

- World class technical groups in Geology, Metallurgy, Mine Planning and Projects Management
- Collaborative approach between disciplines at all levels of the organisation
- Commercial thinking in regards to project costs vs operational costs and performance



Continued Improvement in Safety Performance ILUKA



Iluka Injury Frequency Rates

- Safe Production Leadership program launched in 2011 ٠
- 70% reduction in TRIFR since 2011 ٠
- 80% reduction in LTIFR since 2011 ٠



2014 Premier's Community Excellence Awards



Iluka's environmental excellence award recognises:

- A demonstrated commitment to maintain and improve environmental outcomes for all
- Environmental excellence beyond minimal compliance, it involves exceptional innovation Iluka also achieved Premier's Award 2013 for Social Inclusion

Mineral Sands Project Development



Project	Location	Characteristics
Pre-execute		
Hickory	Virginia, USA	 Chloride ilmenite with associated zircon Utilisation of existing mineral separation plant (MSP) ~ 9 year mine life
Definitive Feasibility St	udy	
Balranald	Murray Basin, NSW	 High grade rutile, zircon and ilmenite s Next planned mine development in Murray Basin ~ 8 year mine life
Cataby	Perth Basin, WA	 Chloride ilmenite with associated zircon Next planned mine development in WA ~ 6 year initial mine life
Eucla Basin Satellite Deposits	Eucla Basin, SA	 3 chloride ilmenite deposits with associated zircon Close proximity to Jacinth-Ambrosia infrastructure ~15 years life extension in-conjunction with or post JA
Aurelian Springs	North Carolina, USA	 Chloride & sulphate ilmenite with associated zircon Utilisation of Virginia MSP ~ 11 year mine life
Scoping / Pre PFS		
Puttalam	Sri Lanka	Large, long life mainly sulphate resource, re- acquired by Iluka in 20

In some cases, particularly the US, projects may be a significant component of the carrying value of the associated assets.





Project Development Overview

Gavin Swart, General Manager Major Projects

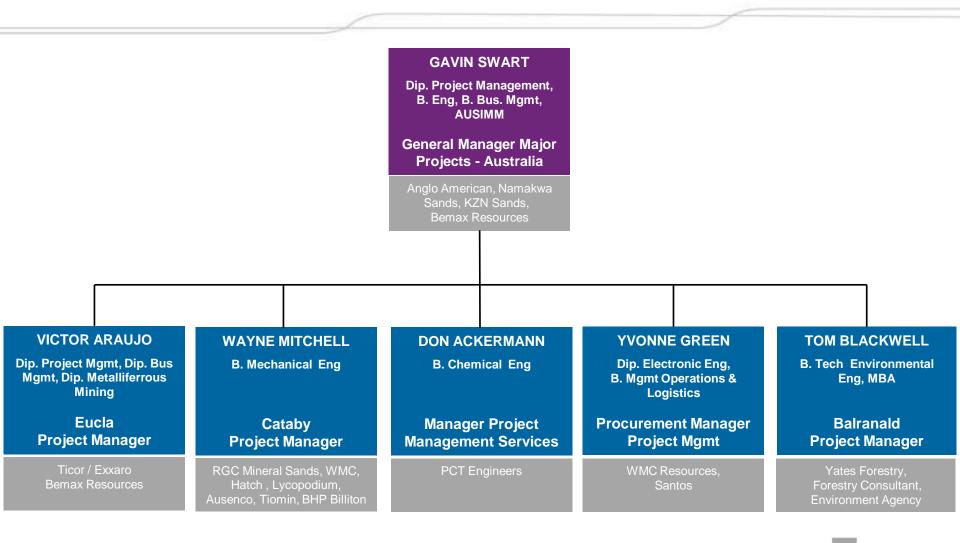
Project Management in Iluka



- Project management within Resources Development
 - Doug Warden, Head of Resources Development
- Cross disciplinary team working in close association with:
 - Innovation and Development
 - Exploration
 - Operations (integration with existing infrastructure and project delivery)
- Industry experienced team with expertise in:
 - process engineering
 - metallurgy
 - major project delivery
 - mineral sands mining & operations
 - environmental management

Project Development







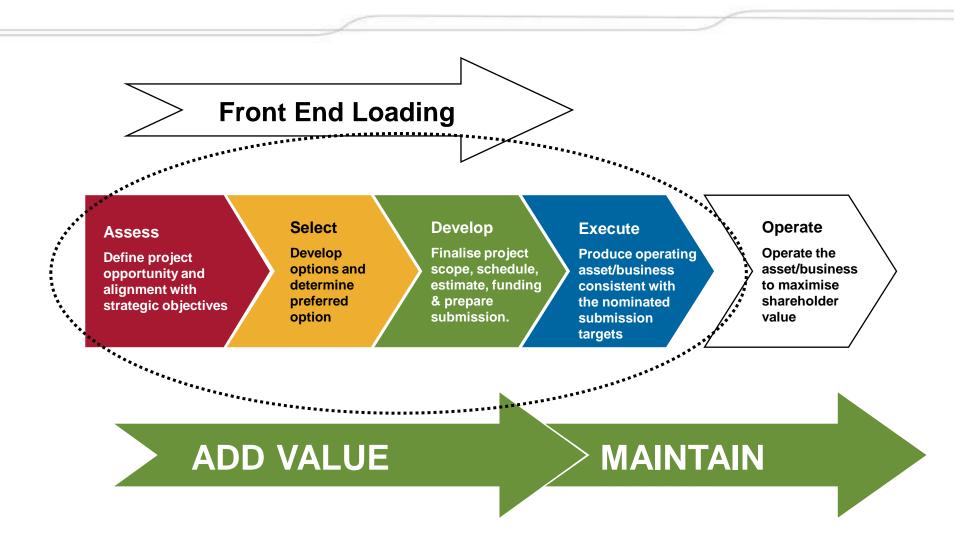
Project Development – Iluka Context



- Gated approach and commitment to various internal production options
 - dependent on portfolio optimisation
 - market demand considerations
- Capital-efficient focus
 - utilisation of existing assets, infrastructure and "spare" kit
- Capital estimates not provided until completion of DFS and Board approvals
- Iluka business plan cycle (5 years) indicative capex profile
 - ~\$200-250 million per annum average
 - subject to projects approved, capital approvals and phasing

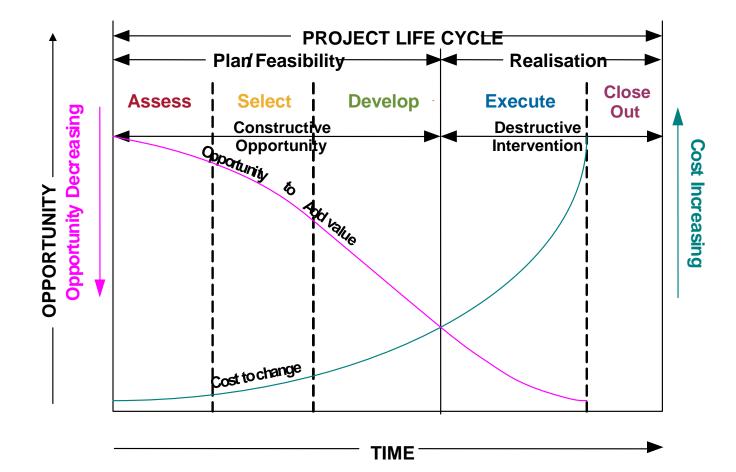
Overarching Schedule





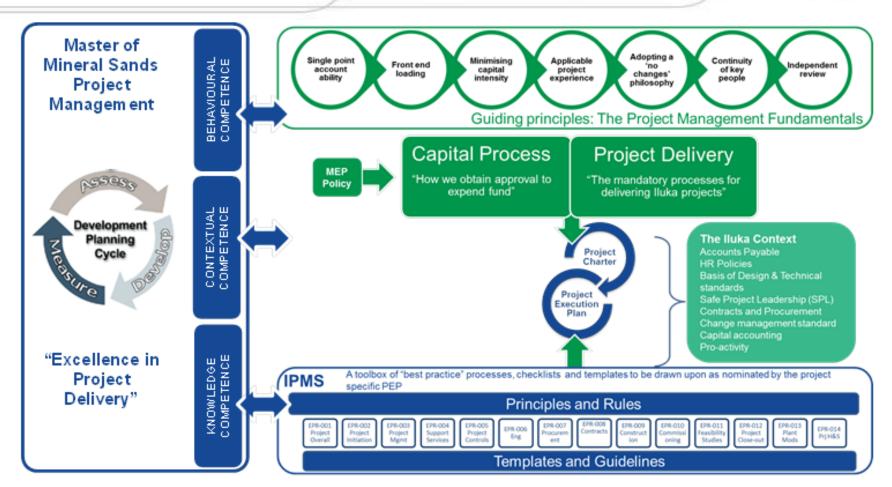


Effect of change and opportunity to add value



Iluka Project Management System





- Gated approach to project delivery
- Outsourcing of study packages
- Integrated Engineering, Procurement, Construction and Management (EPCM) teams

Projects



Project	Progress	Next Steps
Balranald	 DFS Phase 1 works continuing on schedule Site activities for hydrogeological Trial phase 3 (HP3) with drilling completed with long term test commenced Environmental Scope (to complete EIS) awarded Mining simulation model continues Bore Hole Mining (BHM) process flow complete and trial construction underway 	 Revised hydrogeological model update DFS phase 2 MEP Commence Bore Hole mining trial activities Execute Board Approval
Cataby	 DFS proceeding on schedule and below budget PFDs and Mining unit plant (MUP) concept design completed Integrated project structure 	 Existing approvals varied Complete DFS works Execute Board Approval
Sonoran, Typhoon and Atacama	 Sonoran PFS works continuing on schedule Process engineering work packages progressing Formal native title negotiations underway Atacama resource drilling expenditure commenced Includes conveyance of overburden, centrifuging in fines and dewatering of tailings in-stream 	 Complete tails dewatering centrifuge pilot testing Commence Atacama PFS works (additional works assuming Atacama commences first – not included in Sonoran PFS) Complete Sonoran PFS
Sri Lanka	 Negotiations are ongoing between Iluka, Lanka Sands, government Ministers and other relevant parties. Further refined evaluation of 'value add' options 	 Establishment of tenement and mining licence arrangements

Projects – United States



Project	Progress	Next Steps
Hickory	 DFS completed in December 2012 Pre-execute stage – progress dependent on appropriate commercial arrangements Design completed and initial vendor bids received Work on optimising mining, tailing & rehabilitation 	 Secure appropriate commercial arrangements Construction timeframe – 15 months
Aurelian Springs	 PFS complete DFS in progress Securing mineral and access leases County permit and other permits being finalised 	 Mining and water quality permits Secure appropriate commercial arrangements

Areas of Investigation – STA Deposits

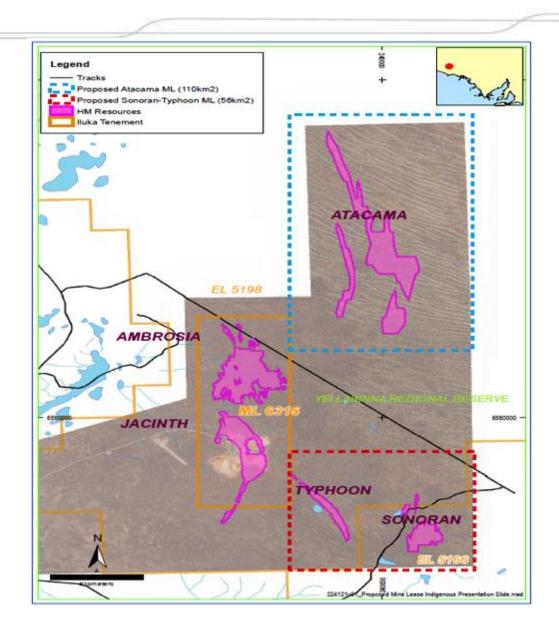


- In mid-2012 the Major Projects team began looking at potential new production options in the Eucla Basin including the following satellite deposits:
 - Sonoran-Typhoon; and
 - Atacama.
- These deposits are immediately adjacent to the Jacinth-Ambrosia mine, and can:
 - use existing J-A infrastructure;
 - provide product production flexibility from J-A; and
 - potentially extend the J-A mine life.

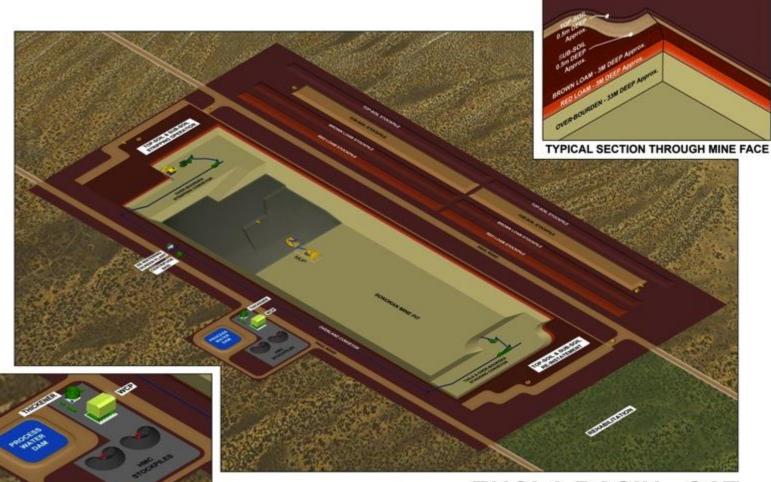


Proposed STA Mining Leases





Sonoran, Typhoon, Atacama Innovative Mining Method



EUCLA BASIN - SAT CONCEPTUAL MINING METHODOLOGY REV-1 DATE 16/06/14

MINE PLANT LAYOUT



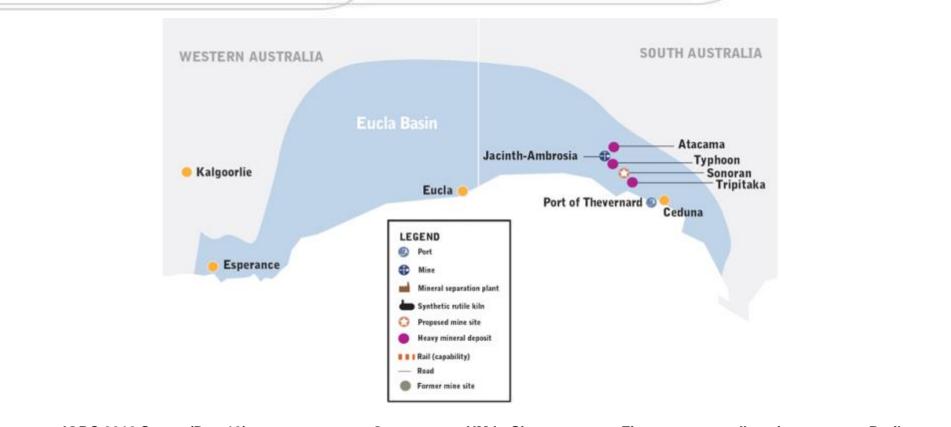


Jacinth-Ambrosia Operation

Scott McQueen, General Manager Commercial, Mineral Sands Jamie McDonald, Jacinth-Ambrosia Site Manager Dave Wright, Jacinth-Ambrosia Site Manager

Jacinth-Ambrosia Ore Reserves

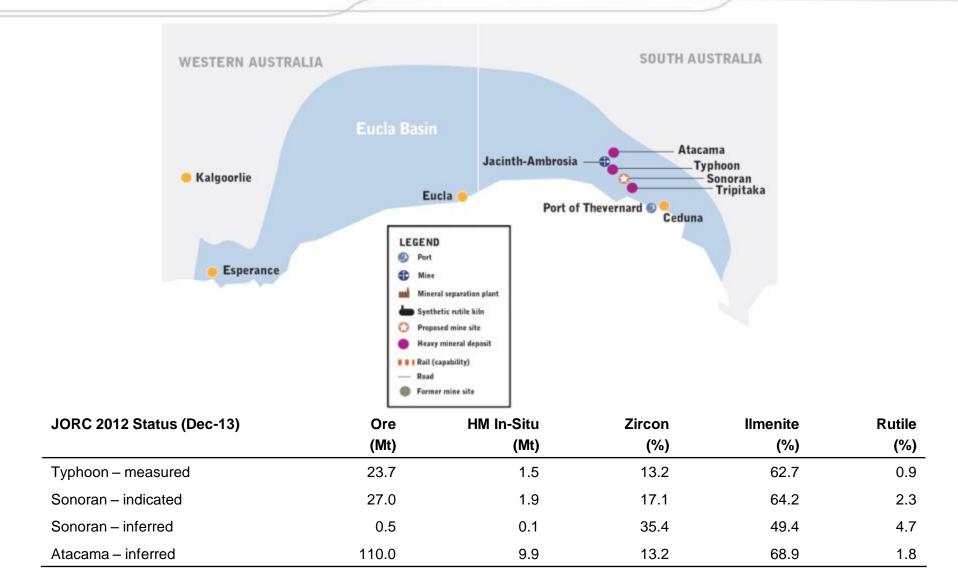




JORC 2012 Status (Dec-13)	Ore	HM In-Situ	Zircon	Ilmenite	Rutile
	(Mt)	(Mt)	(%)	(%)	(%)
Ore Reserve - proved	119.7	5.1	51	27	4
Ore Reserve - probable	3.4	0.1	51	20	5
Total	123.1	5.2	51	27	4

Note: Refer to Iluka's Ore Reserves and Mineral Resources Statement 2013, Iluka Annual Report, Page 133-135 and ASX Release on 30 April 2014, "Addendum to 2013 Annual Report".

Jacinth-Ambrosia Satellite Mineral Resources



Note: Refer to Iluka's Ore Reserves and Mineral Resources Statement 2013, Iluka Annual Report, Page 133-135 and ASX Release on 30 April 2014, "Addendum to 2013 Annual Report".

Jacinth-Ambrosia Overview

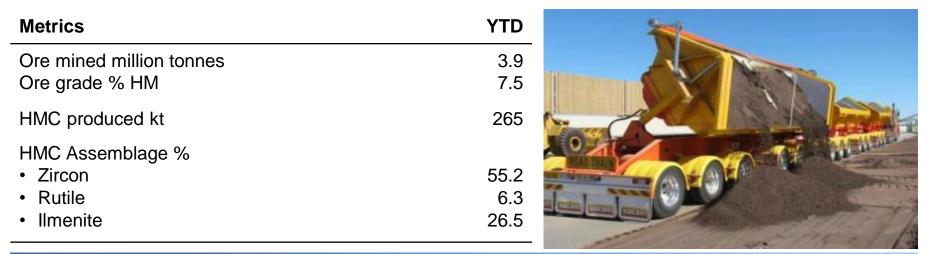


- Located within Yellabinna and Nullarbor regional reserves
- First operation approved for mining in mixed use reserves within South Australia
- Development capital expenditure: \$390 million (74% in SA / 26% elsewhere)
- Sealed air strip and haul road upgrade: \$10 million
- Total area disturbed by mining and infrastructure 610 hectares
- Mining commenced in October 2009
- At current ore processing rate Jacinth-Ambrosia economic life through to ~2026



Production Overview – to end June 2014







Scope of Operation

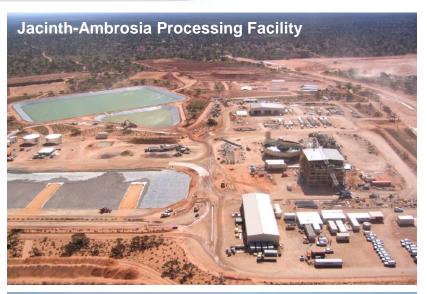


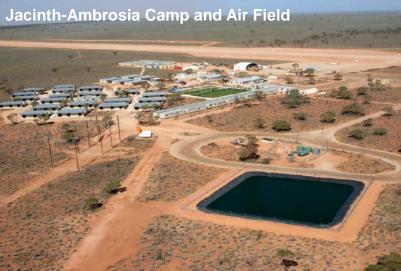
Operational

- Ore body 900m wide by 5 km long
- Low in moisture, no groundwater, strip ratio 0.5:1
- Ore at average thickness of 20 metres
- Mining unit plant in-pit ~1,300tph
- Wet Concentrator ~1,000tph
- HMC transported 270km by sealed road to Thevenard
- Triple road trains 96 tonne capacity
- 40kt storage bunker at Port of Thevenard

Support

- Accommodation village 160 persons
- Sealed airstrip landing 33 seater SAAB 340 aircraft
- Water from borefield to site 32 km
- Off-grid diesel power station (6.8 MW)
- SA Ambulance acredited medical facilities
- Reverse osmosis fresh water generation plant





Mining Method

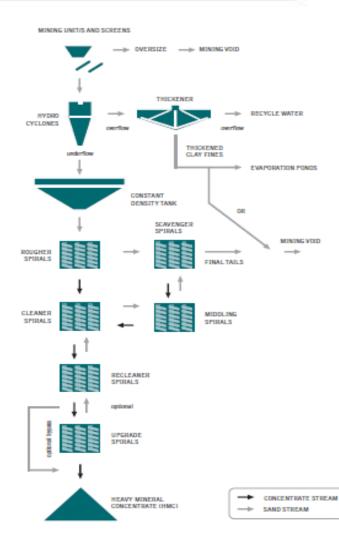




- 150m x 100m ore blocks
- Ore pushed by dozers into mobile mining unit plant dozer trap
- Primary geological grade maintained via blending 'slices' at various grades across ore block
- Mining unit capacity ~1,300 tph, oversize removed
- Ore slurry pumped to wet concentrator plant

Wet Concentrator



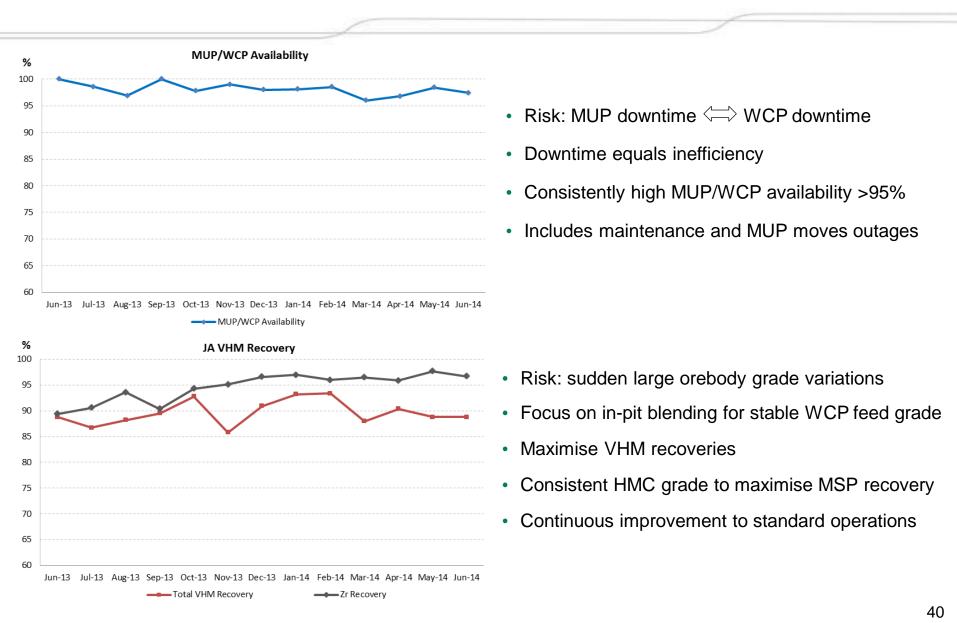




- Cyclones remove slimes from ore slurry (sent to thickener)
- · Ore to constant density tank to ensure steady feed to the spiral circuit
- · Spiral circuit separates heavy mineral from the sand
- Heavy mineral concentrate stacked for further processing (MSPs)
- Sand tails split into 2 streams:
 - 60% sent to sand stackers in mining void (tail wall construction)
 - 40% mixed with slimes to create ModCod sent to tailings cells

Operational Performance





Logistics

- HMC transported by road to Port of Thevenard
- Fully sealed journey, including 94km mine access
- Utilising purpose built B-Triple 96 tonnes trucks
- Transport provider Kalari
- 40,000 tonnes HMC storage facility at Port
- Long term contract to utilise ABB / Viterra ship loading facilities at Port of Thevenard
- Charter shuttle vessels to Geraldton/Portland:
 - payload of 20,000 30,000 tonnes
 - approximately two week round trips





Jacinth-Ambrosia HMC Processing



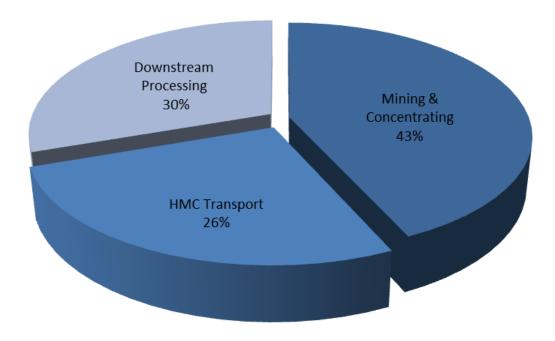
- Processed at both Australian separation plants to optimise throughputs, recovery, quality & unit costs
- Narngulu MSP primarily J-A feed, Hamilton MSP primarily Murray Basin feed with ~30% J-A blend
- J-A HMC processing capacity- ~700 ktpa Narngulu and ~200ktpa Hamilton (30%)
- Current MSP operating parameters Narngulu ~50% and Hamilton ~80% capacity utilisation
- J-A current annual production capacity ~540kt HMC:
 - ~250ktpa zircon, ~130ktpa chloride Ilmenite and ~30ktpa rutile (includes HyTi 91)



Jacinth-Ambrosia Production Cash Costs

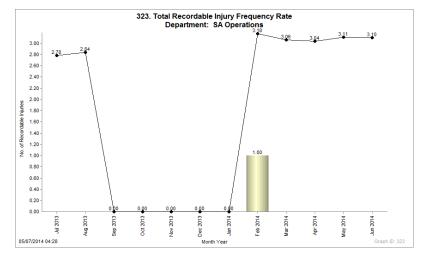


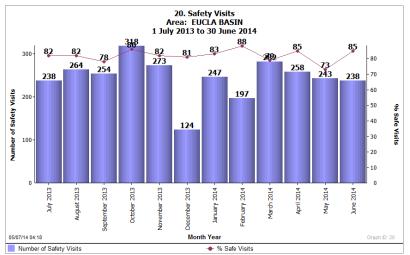
- Jacinth-Ambrosia annual cash cost of production (including downstream separation and support) ~ \$140 million
- Higher proportion of cash production costs incurred post mine gate
- Annual cash production cost levels vary dependent on strip ratio, grade, throughput and other factors
- Low sustaining capital

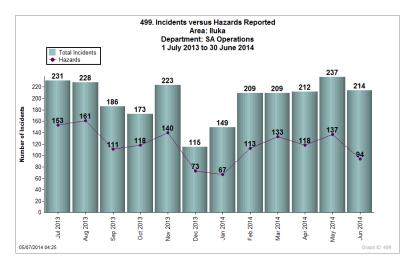


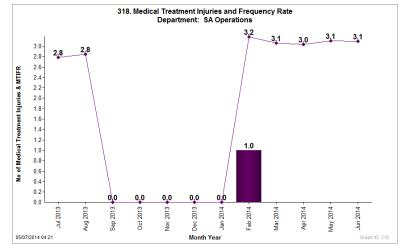
Sustainability Performance





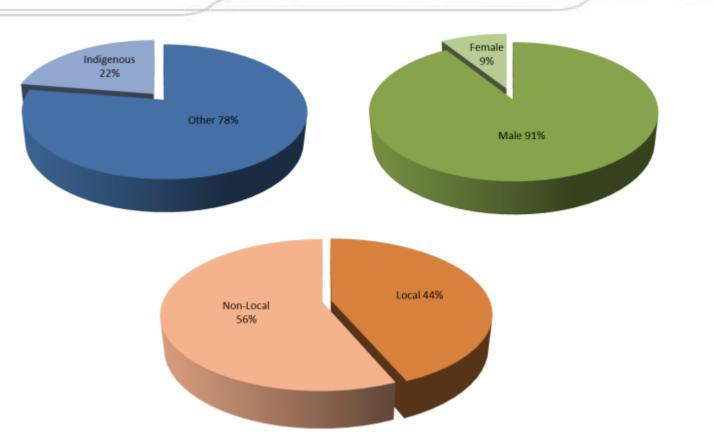






Workforce Development and Diversity

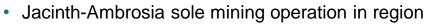




- Total workforce 156 (Iluka 67, contractors 89)
- 20% Far West Coast indigenous employment target (reached and exceeded)
- Strong indigenous and local components. Gender diversity remains a challenge
- Development success stories indigenous redeployment to other mining companies

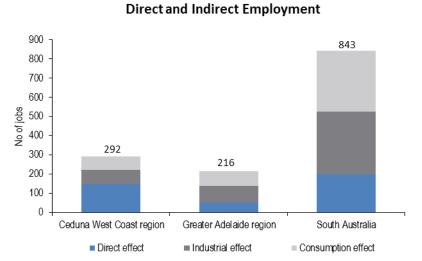
South Australian Regional Contribution



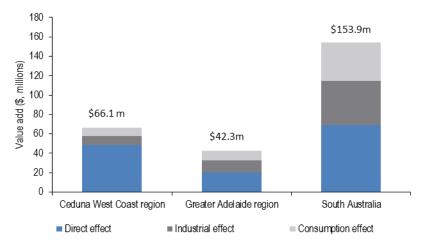


- Iluka: 67 employees, 48% local
- Contractors: 89 employees (mining, logistics & services)
- Economic contribution*:
 - 292 jobs and \$66.1 million in value add to region
 - additional 646 jobs and \$85 million value add to State
- Community investment
 - \$200 thousand since 2009 (e.g. RFDS, Oysterfest)
 - education, business and career development programs
 - Indigenous training, mentoring and workforce participation









* Data from Ernst & Young based on 2011 Census

Environmental Management



Heavy mineral concentrate containment

- Stockpile management plan developed in 2013
- Containment fence installed Q4 2013
- Semi-permanent stabilisation undertaken routinely
- Geo-bituminous membrane trial in Q3 2014





Environmental Management



Dust emissions from mining

- Three water trucks at site
- RO plant for non-saline water on topsoil areas
- Slimes (clay fines) used to stabilise inactive area's

Port of Thevenard containment

- Sprinkler system installed around enclosed bund
- Continuous improvement regime through GRA
- Increased management effort of 3rd party operators





Land Rehabilitation





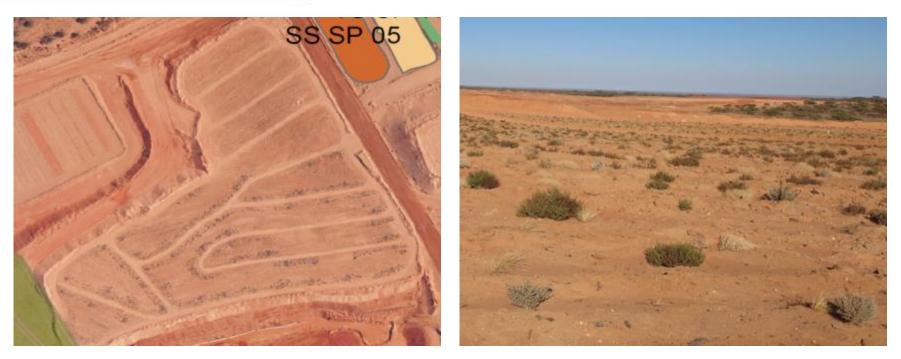
Pre-Mining Cell 1 East

2012 Disturbance complete, tails and soil return

- Cell 1 East site represents the initial mining void
- Cell void initial fill with tailings
- Completed backfill, stabilisation, seeding and stick replacement
- Area rehabilitation completed in-line with SA Government Mining and Rehabilitation Plan (MARP)

Land Rehabilitation





2013/2014 Active Rehabilitation

- Favourable rainfall events in 2013 winter have aided plant germination
- Research and study programs targeted at validating alternative profiles to MARP commitments





Supplementary Information

Physical flow data



Iluka Operating Mines - Physical Data 6 Months to 30 June 2014

	Jacinth- Ambrosia	Murray Basin	Western Australia	Australia Total	Virginia	Group Total
Mining						
Overburden Moved kbcm	830.0	8,354.4	-	9,184.4	_	9,184.4
Ore Mined kt	3,923.1	1,719.5	-	5,642.6	1,841.6	7,484.2
Ore Grade HM %	7.5	34.5	-	15.7	5.9	13.3
VHM Grade %	6.7	31.5	-	14.3	4.7	11.9
Concentrating						
HMC Produced kt	265.0	299.0	-	564.0	112.3	676.3
VHM Produced kt	234.6	267.9	-	502.5	79.8	582.3
VHM in HMC Assemblage %	88.5	89.6	-	89.1	70.9	86.1
Zircon	55.2	25.1	-	39.2	15.9	35.4
Rutile	6.3	39.3	-	23.8	-	19.9
Ilmenite - Saleable & Upgradeable	26.5	24.2	-	25.3	54.9	30.2
HMC Processed kt	203.1	160.8	5.2	369.1	111.1	480.2
Finished Product kt						
Zircon	106.4	38.5	13.4	158.3	15.7	174.0
Rutile	13.9	64.2	-	78.1	-	78.1
Ilmenite - Saleable & Upgradeable	45.2	122.5	-	167.7	59.1	226.8
Synthetic Rutile Produced kt			-	-		-

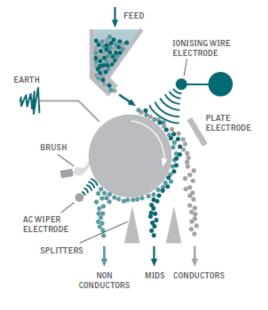
An explanation of the Iluka's physical flow information can be obtained from Iluka's Briefing Paper - Iluka Physical Flow Information on the company's website <u>www.iluka.com</u>, under Investor Relations, Mineral Sands Briefing Material (2010). The nature of the Iluka operations base means that HMC from various mining locations can be processed at various mineral separation plants.

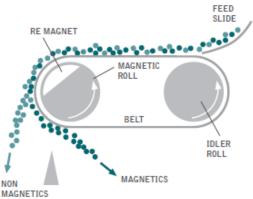
Mineral Separation Process



MSPs separate minerals based on differences in conductivity and magnetism

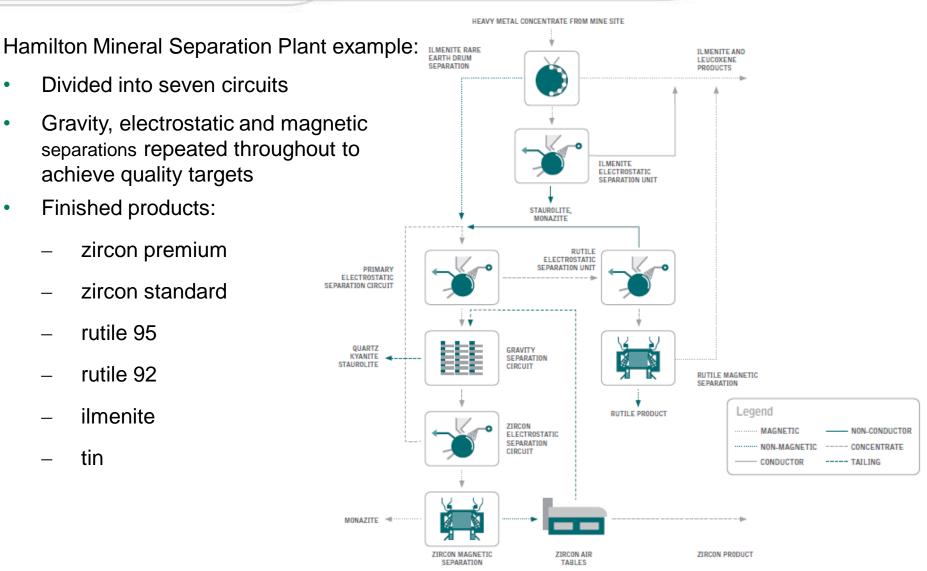
Form of Titanium	TiO ₂ %	Magnetic Susceptibility	Electrical Conductivity	Specific Gravity
Ilmenite				
- Sulphate	52 - 54	High	High	4.5 - 5.0
- Chloride	58 - 62			110 010
Rutile	95 - 97	Low	High	4.2 - 4.3
Synthetic Rutile	88 - 95			
Leucoxene	70 - 91	Semi	High	3.5 - 4.1
Zircon	N/A	Low	Low	4.7
Monazite	N/A	Semi	Low	4.9 - 5.3
Staurolite	N/A	Semi	Low	3.6 - 3.8
Kyanite	N/A	Low	Low	3.6 - 3.7
Garnet	N/A	Semi	Low	3.4 - 4.2
Quartz	N/A	Low	Low	2.7
Cassiterite	N/A	Low	High	7.0





Mineral Separation Plant - Separation Process





Western Australian Operations - Overview

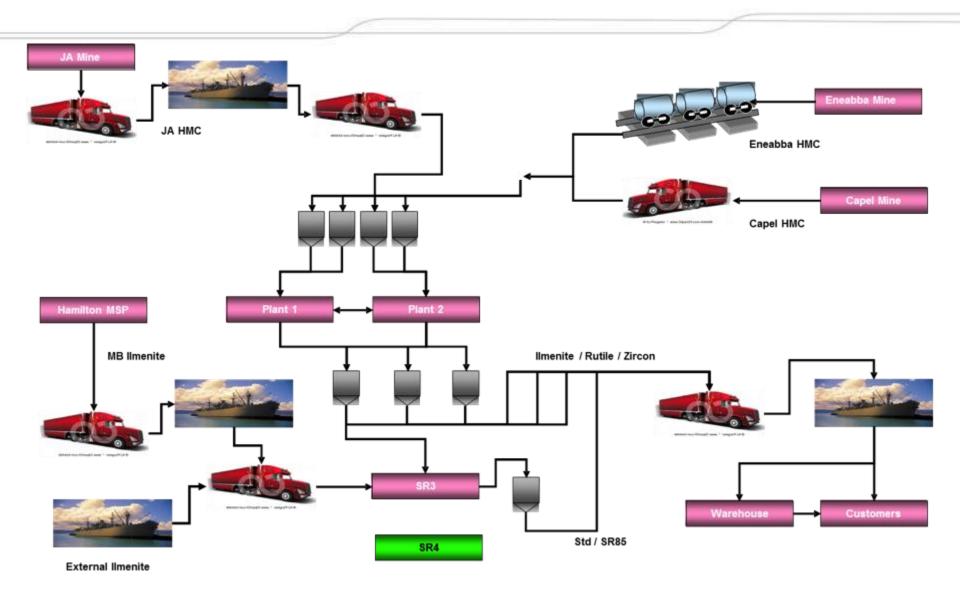




- Two sites (Geraldton and Capel)
- Narngulu MSP processes J-A HMC producing
 - premium zircon
 - zircon in concentrate
 - chloride ilmenite
 - HyTi 91
- 4 synthetic rutile kilns capacity
 - 2 Mid West
 - 2 South West
- Tutunup South mine (currently idled)
- Additional deposits Cataby, Eneabba, Tutunup
- 600kt+ per annum iron concentrate sales

Narngulu MSP Logistics Overview

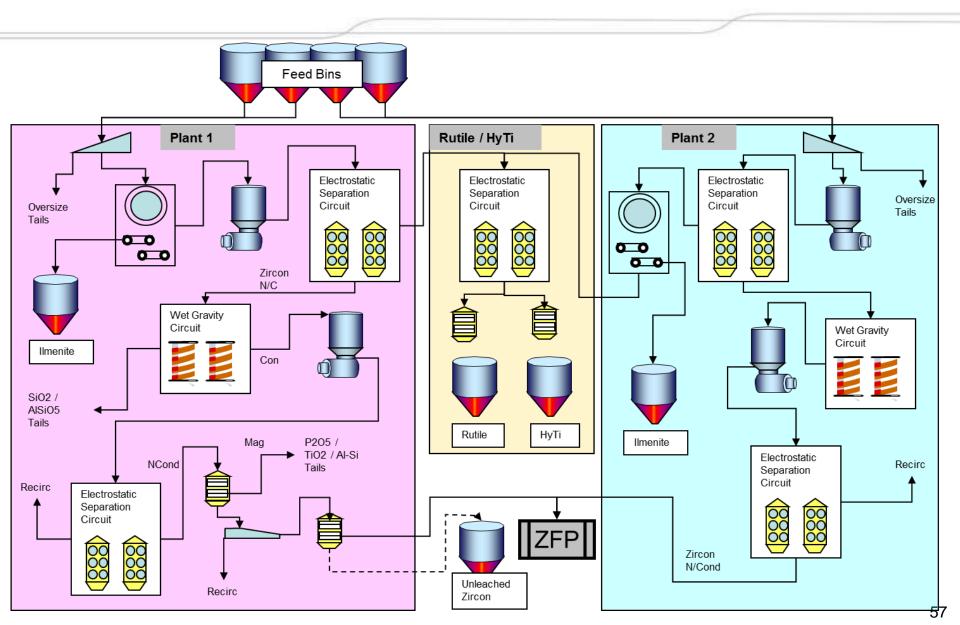




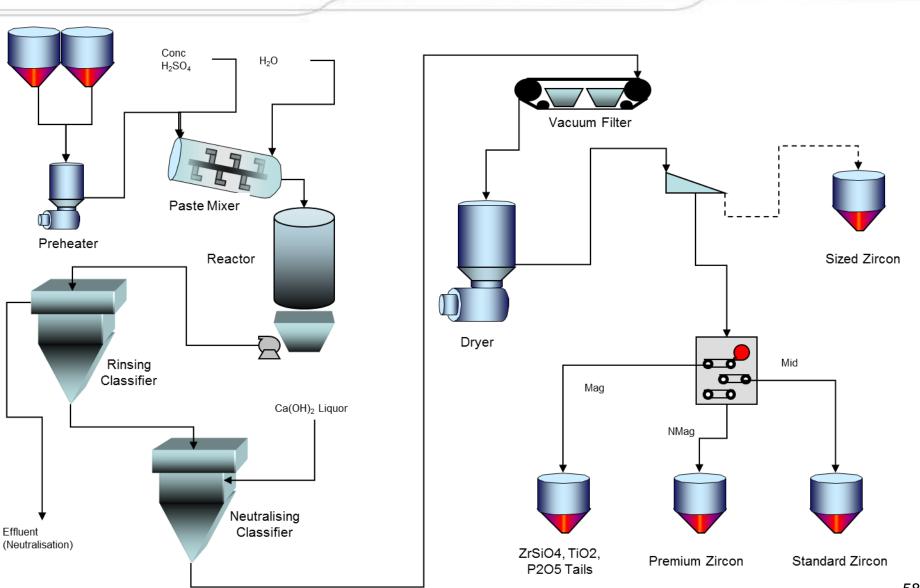
(Feed stock and finished goods)

Narngulu MSP Plant 1 and Plant 2



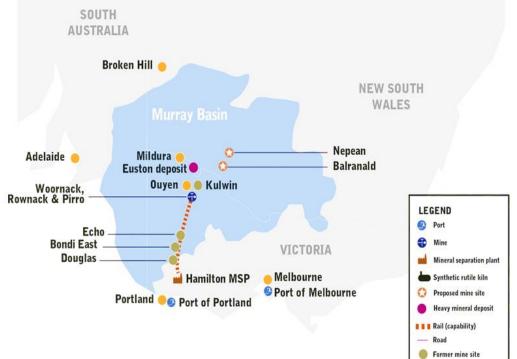


Narngulu Zircon Finishing Plant (ZFP)



Murray Basin - Overview

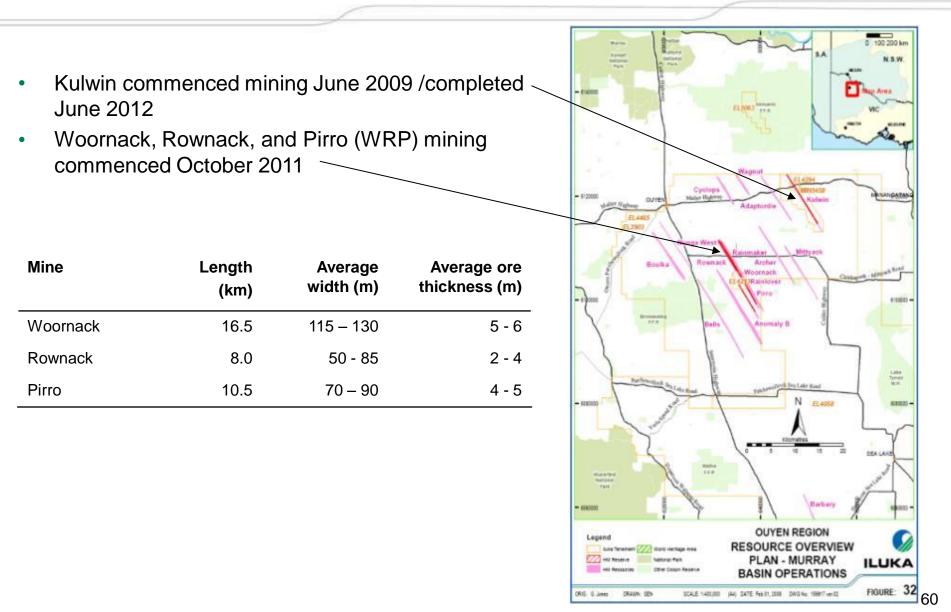




- Hamilton Mineral Separation Plant processes WRP/J-A HMC producing
 - premium zircon
 - standard zircon
 - rutile 95
 - ilmenite
- Woornack, Rownack, Pirro mine
- Additional deposits Balranald, Nepean, Euston

Northern Murray Basin Deposits, Victoria





Murray Basin: WRP - Scope of Operations

- Three WRP deposits mined, 6 pits in total
- Average dewatering rate of 18 ML/d (5 to 36ML/d)
- Mining unit plant out of pit: 500tph
- Wet concentrator (WCP): 250tph
- HMC production: 60tph
- Water transported from GWM pipeline to site 7km
- Mains power
- HMC transported 95kms by road to Hopetoun rail facility
- B -Double 51-tonne trucks, approx. 30 per day
- HMC transported by rail from Hopetoun to Hamilton mineral separation plant
- Final product shipped from Portland
- Workforce live locally or drive-in-drive-out
- Accommodation village accommodates 185 persons
- Full time employees at WRP 179 (Iluka 66, Watpac 113)
- Land approx. 40% Iluka, 60% private landowners and State Government



Murray Basin Operations - Mining



- Mine 3.5mt of ore and 8.8 million cubic metres of waste per annum
- Strip ratio 9.4
- Scrapers on waste removal and truck and digger fleet primarily on ore
- Planned area disturbed by mining and infrastructure 1,330ha (incl. 205ha of native vegetation)



WRP Operations – Blending Ore

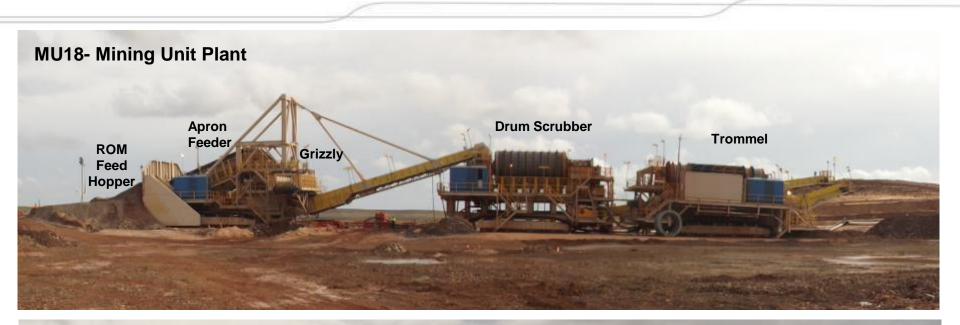




- Ore mined in discrete 100m long in pit blocks and sent to ROM as a specific parcel
- Single Pirro stockpile (lower HM, higher clay), two Woornack stockpiles (higher HM, lower clay)
- Ore loaded into mining unit hopper by front end loader
- Loader can blend from one or more discrete stockpiles to provide required feed grade

WRP Operations - Processing



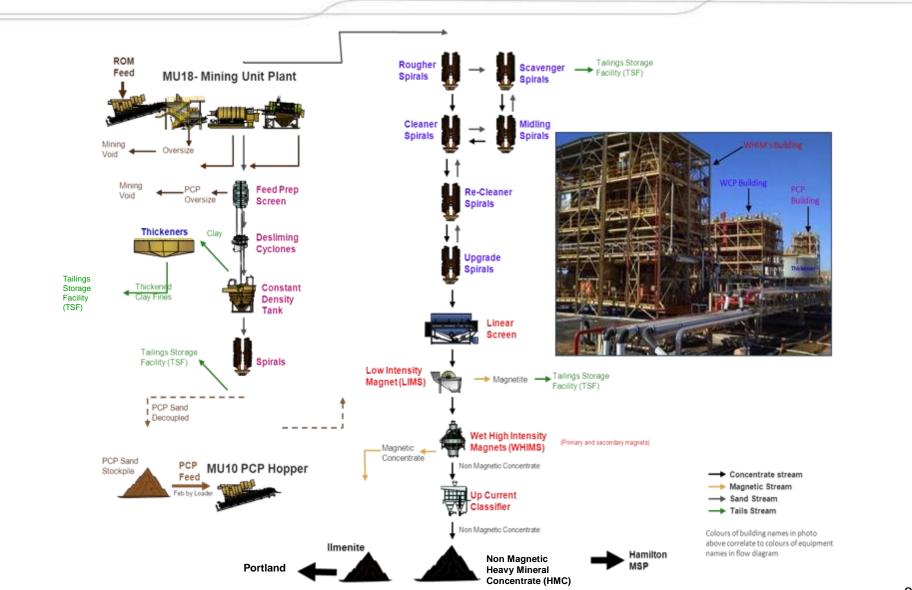


Wet Concentrator Plant



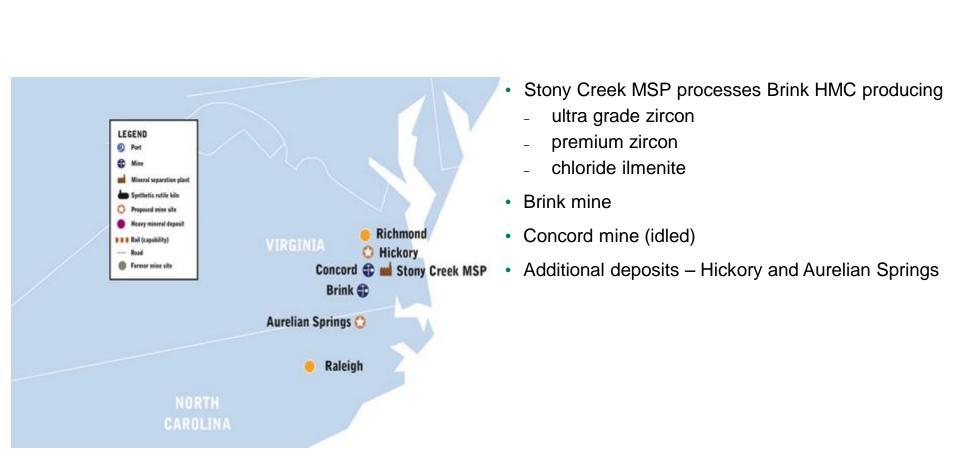
Mining and Concentrating Process





Virginia USA – Overview





US Operations Overview



Concord Mine Site (Sussex and Dinwiddie Counties)

- Commissioned in 1997
- 3.3mt of ore mined per annum
- Idled in April 2014, with ore remaining to be mined

Brink Operations (Greensville County)

- Commissioned in 2009
- 3.3Mt of ore mined per annum
- Current ore reserves forecast to be exhausted in 2016

Mineral Separation Plant at Stony Creek (Sussex County)

- Capacity to treat ~450kt of HMC
- Capacity to produce ~300kt ilmenite and ~45kt zircon
- Centre of US operational support and US Laboratory

US Operations - Mining Process



Mining Summary

- Mining Unit (MUP) capacity of ~ 500tph
- Unit designed around ease of mobility
- Innovative shredder concept utilized
- Low cost mining method
- Minimal overburden removal

Concentrating Summary

- Concentrator capacity of ~260tph Rougher Head Feed (RHF)
- 4 stage spiral separation circuit with Attritioner & Hydrosizer circuit to complete upgrade process

Current focus areas

- Runtime improvement +90% target
- Brink recovery improvement program
- Mining contract productivity review





69

US Operations – Mineral Separation Plant

Mineral Separation Plant Summary

- Feed rate of ~55tph
- Feed capacity ~450kt HMC pa
- Ilmenite production ~300kt pa
- Zircon Production ~45kt pa





Jacinth-Ambrosia Land Rehabilitation







Rehabilitation research



- Imperative to share research outcomes across the broader community to assist in rehabilitation efforts and promote open dialogue and learning within the mining industry
- 2013 site visit to Jacinth-Ambrosia as part of the Australian Mining Rehabilitation Conference
- Partnership with Australian Research Council (ARC) and University of Adelaide:
 - water and roots in soils in arid lands
 - inform best practice in reconstructing soils and vegetation
- Other priority areas
 - salinity migration
 - soil management
 - root mapping
 - bullock bush growth trials



Dr Emma Steggles (UofA), Dr Melanie Schneemilch (UQ), Angela Chilton (UNSW) and Con Miller (Iluka) collecting soil samples at Jacinth-Ambrosia for the UQ BSC project.

Sap flow meters and deep root species identification, ARC grant.

Western Australia - Land Rehabilitation



Rehabilitation at Tiger Gully River, Yoganup



Existing River Pre mining



Post Mining re-establishment; Earthworks



Re -established

Erosion Control Techniques

Murray Basin - Land Rehabilitation



Rehabilitation at Douglas, Victoria



US – Virginia Land Rehabilitation





- ~1,600 acres of reclamation completed over the life of Virginia Operations
- ~2,000 acres of disturbed open area requiring rehabilitation
- Long term partnership with Virginia Tech, with annual funding provided
 - focus on improving rehabilitation methods to improve cropping productivity
 - 90 acre research farm established in 2004
 - pine reforestation study
 - topsoil study



Iluka Resources Limited

For more information, contact:

Robert Porter, General Manager Investor Relations robert.porter@iluka.com +61 3 9225 5008 / +61 (0) 407 391 829 www.iluka.com