

Western Australian Mining Operations

Presentation to Analysts June 2005



James Shaw, Vice President Mining

Iron Ore



MINING

Continuing to Grow our Mining Capability



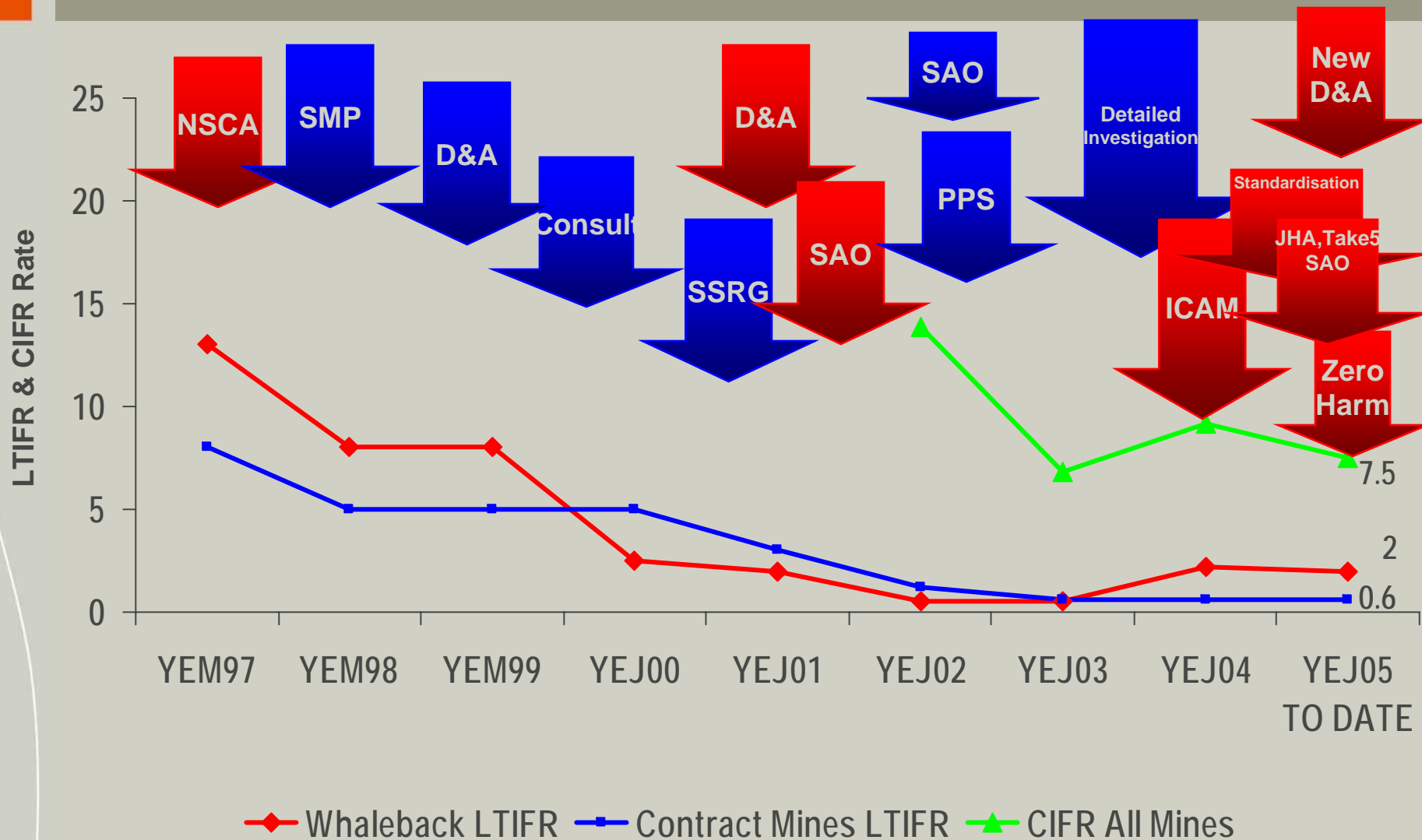
Visitor Safety Induction

Welcome to BHP Billiton Iron Ore Mining Operations

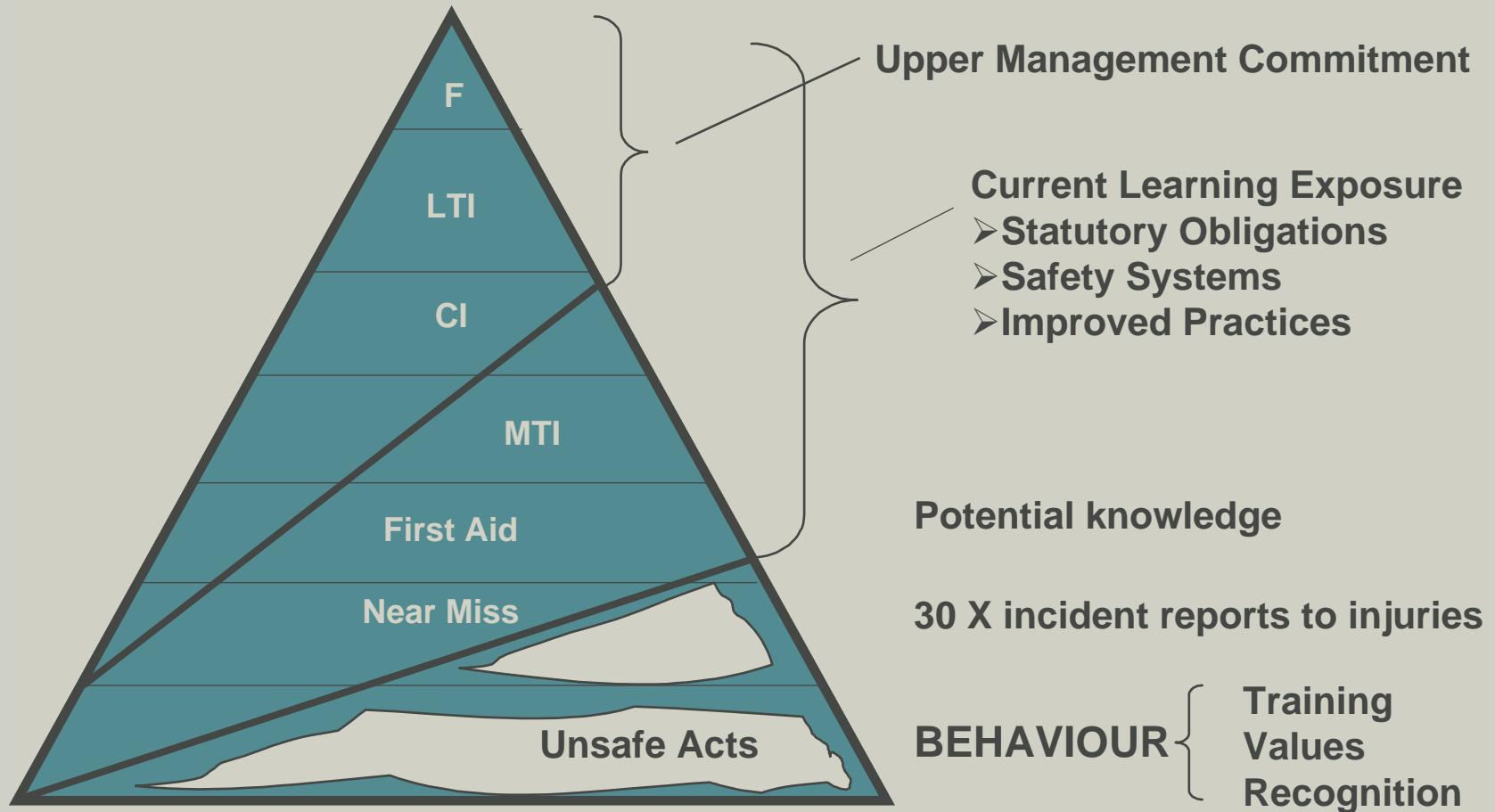
1. Stay with your BHP Billiton escort at all times.
2. Reflective vests, gloves and safety helmets are provided and you will be advised when to wear them.
3. Safety glasses are provided. You will be advised when it is necessary to wear them. Safety glasses will fit over prescription glasses.
4. Use handrails when using stairs.
5. Keep clear of all machinery.
6. In the event of an evacuation or emergency stay with your BHP Billiton escort
7. BHP Billiton has a NO-SMOKING policy inside buildings and vehicles.
8. You are most welcome to use cameras.

Enjoy your visit with us today

LTIFR & CIFR Whaleback and Contract Mines



Behavioural Safety



Mining Strategic Focus: 2003 - 2008

Key Points

- Achieve / exceed goals through good planning
- Think beyond short term / regional horizons
- Gain strategic benefits
- People – attract, retain, foster direct relationships
- Organisation consistency
- Secure support for business decisions
- Pace of restructuring
- Keep it simple
- Growth

Mt. Whaleback Pit

Current Pit Dimensions

- Length: 5km
- Width: 1.2km
- Depth : 400m

Administration

Crushing/
Train loading
facilities

Ore Body 29

8 South Pushback

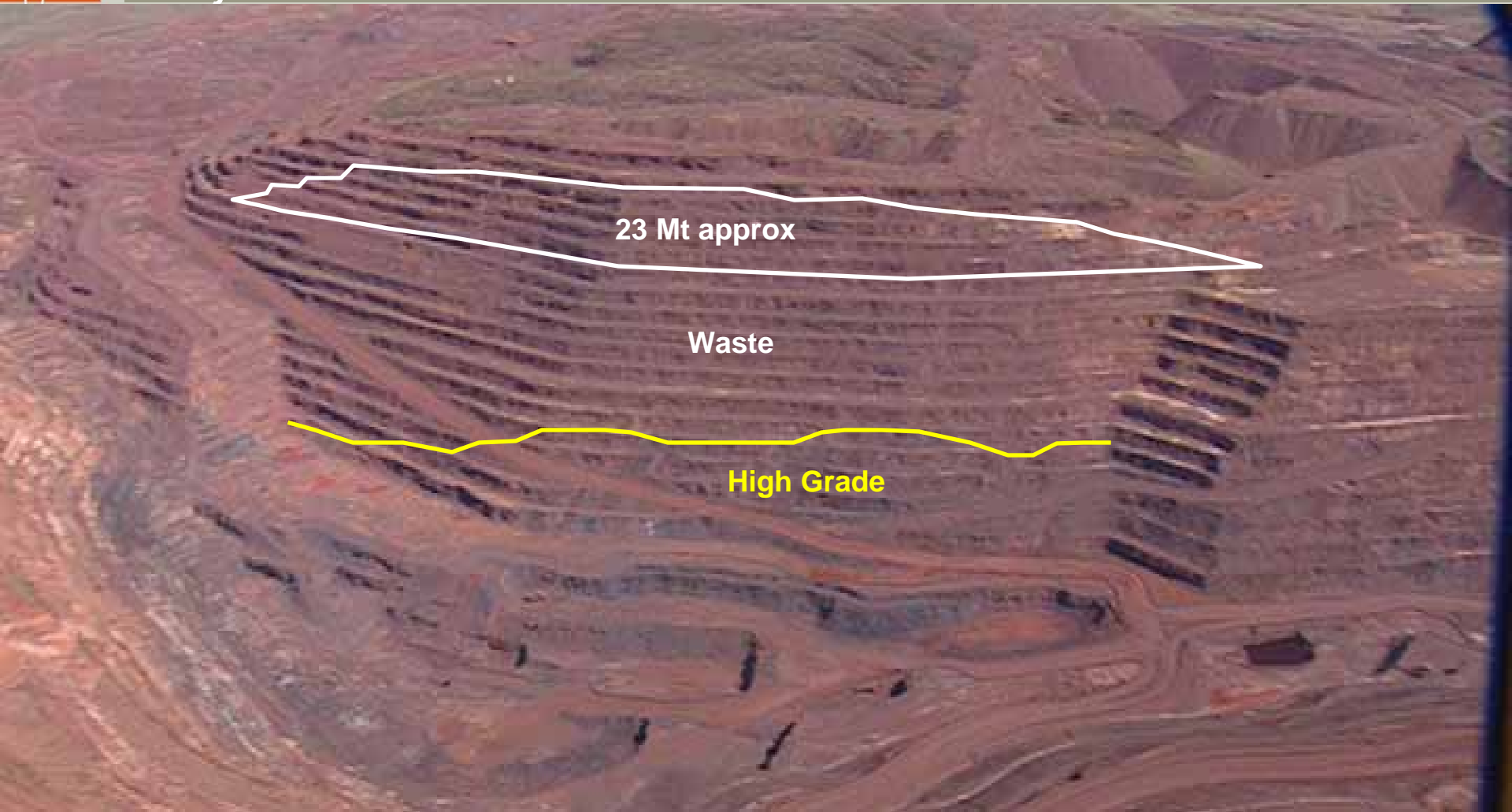
Beneficiation
Plant

East Pit
Current floor at
Bench 27

4 N Pushback

Centre West Pit
Current floor at
Bench 27

Mt. Whaleback Northwall Waste Removal Complete – Project China



New Mining Equipment in 2005 to Meet Growth

Drills

- 1 x IR DM-M3 (251mm)
- 3 x IR DM-H4 (311mm)

Shovels & Excavators

- 1 x P & H 2800 2 x O & K RH200
- 1 x O & K RH170
- New 2 x R996 Shovel**
- New 1 x R994 Backhoe**
- New 1 x R995 Shovel**

Trucks

- 17 x CAT 789B 189T
- 13 x CAT 793B 219T
- New 10 x CAT 793C 230T**

Loaders

- 3 x CAT 994
- 1 x CAT 992D
- New 2 x CAT 992G**



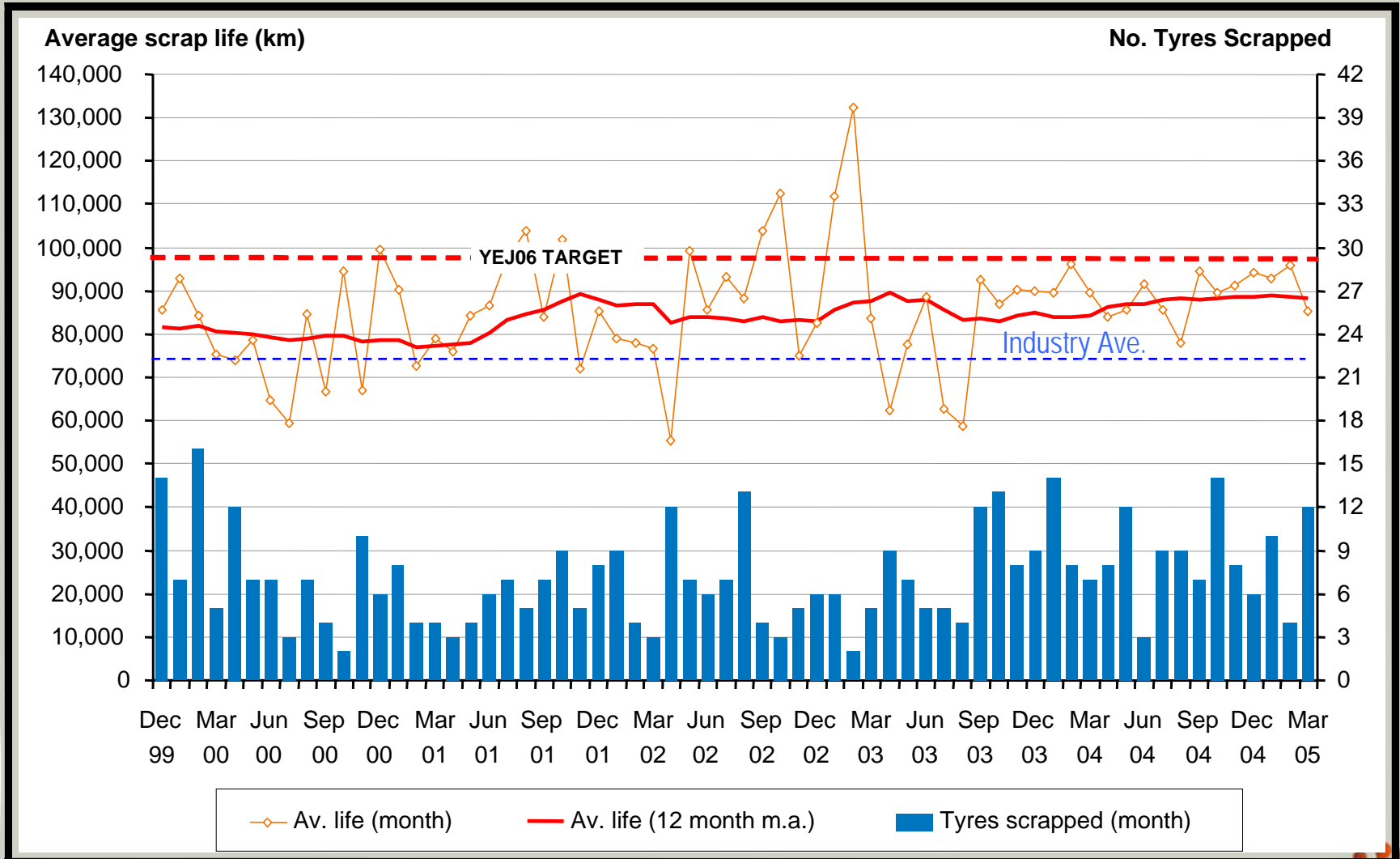
LIEBHERR R996



CAT 230T

Excellent Tyre Management

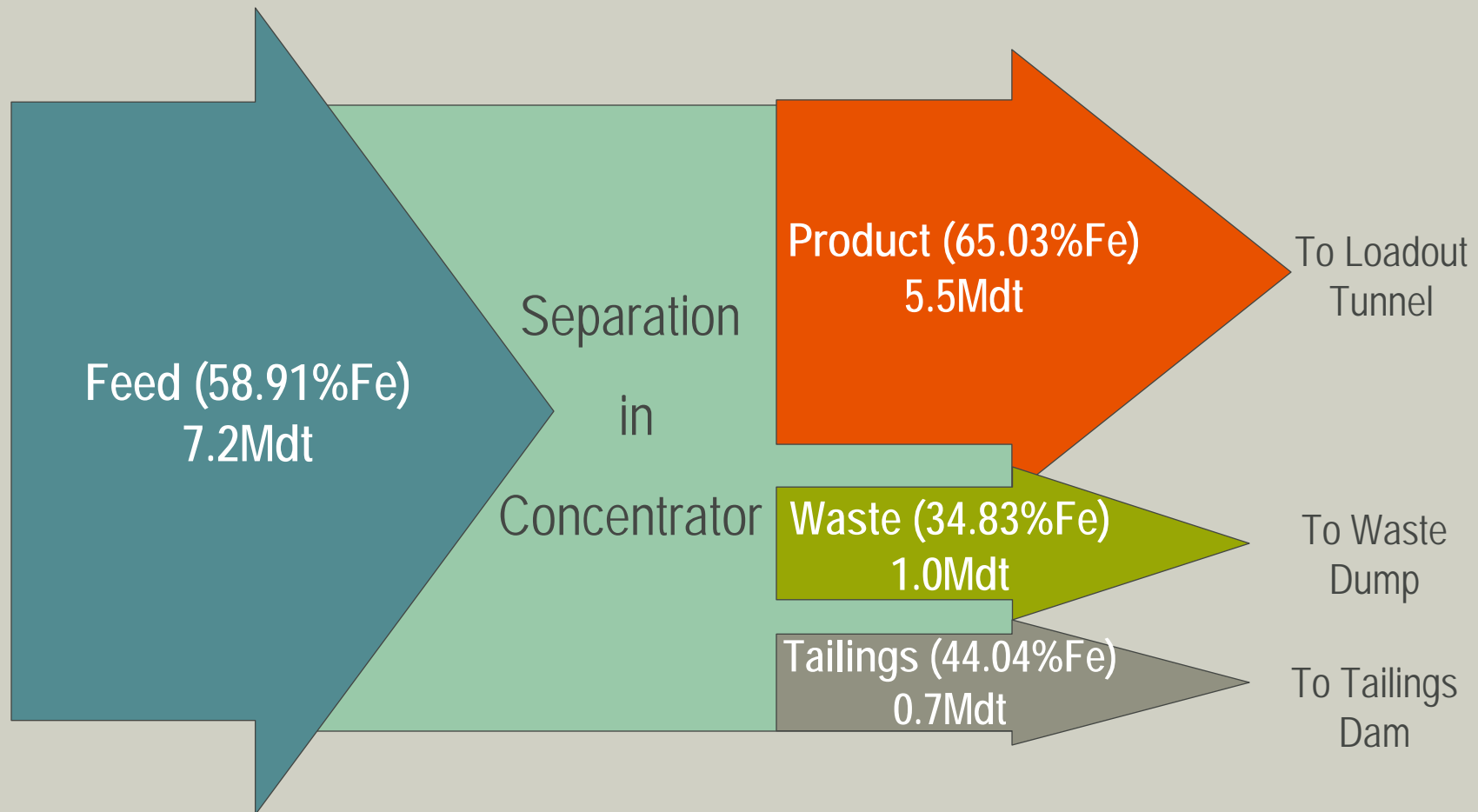
(Average Scrap Life trends vs Industry Average)



Tyre Management - Ongoing Improvement (OE)

- A dedicated road crew, extra water cart, 2 x CAT998 clean-up machines
- Trials of various road binding agents
- Otraco fitter coverage 24 hours
- Incident report raised for each tyre loss
- Independent tyre and road maintenance report all mines
- Tyre awareness sessions each shift quarterly
- Tyre awareness posters updated monthly
- Yearly goals, performance reviews include personal responsibilities on tyre management

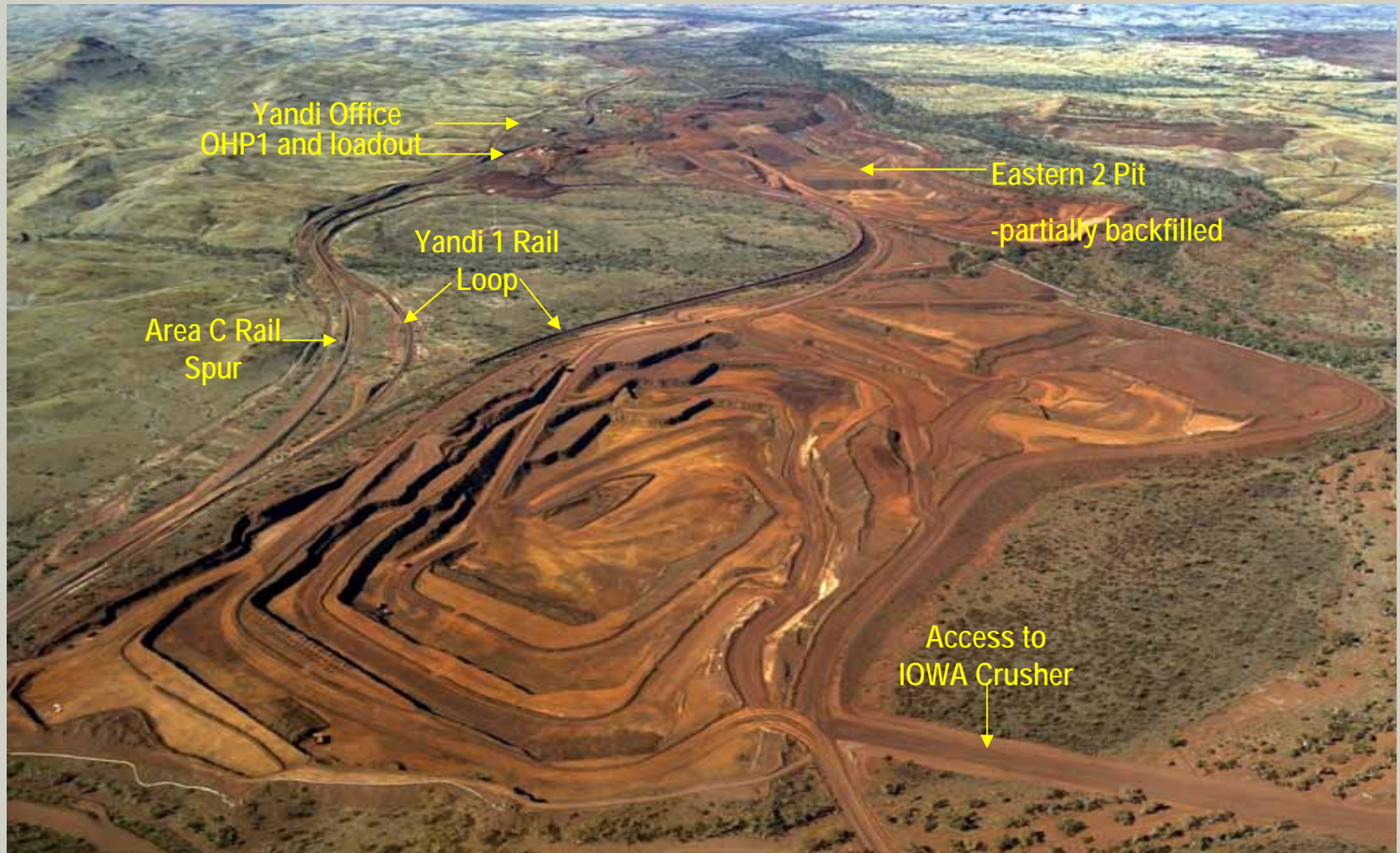
Bene Plant Throughput YTD FY05 (Dry Tonnes Basis)



New Resource Development - Orebody 18

- October 2004 - Board approval as part of RGP2
 - February 2005 - Construction commenced
 - February 2005 - BGC Contracting awarded pre-strip contract
 - March 2005 - Pre-strip contract commenced and comprises 6.1 million tonnes
- Initial plant capacity will be 8mtpa increasing to 12mtpa
 - Plant construction and pre-stripping progressing to schedule

Yandi - Central 4/5 Pit



Yandi Central 1

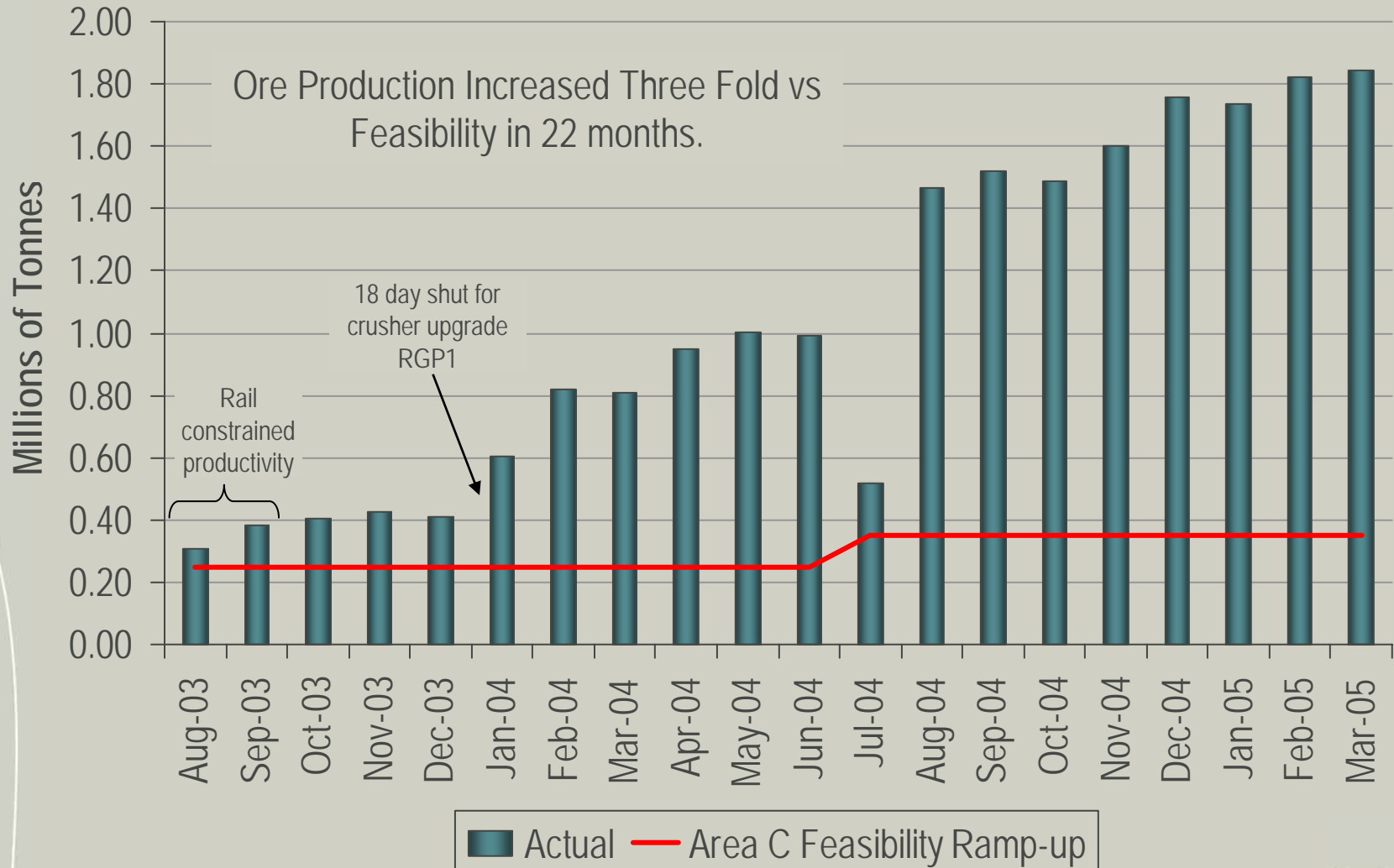


Stacker & Reclaimer at Area C



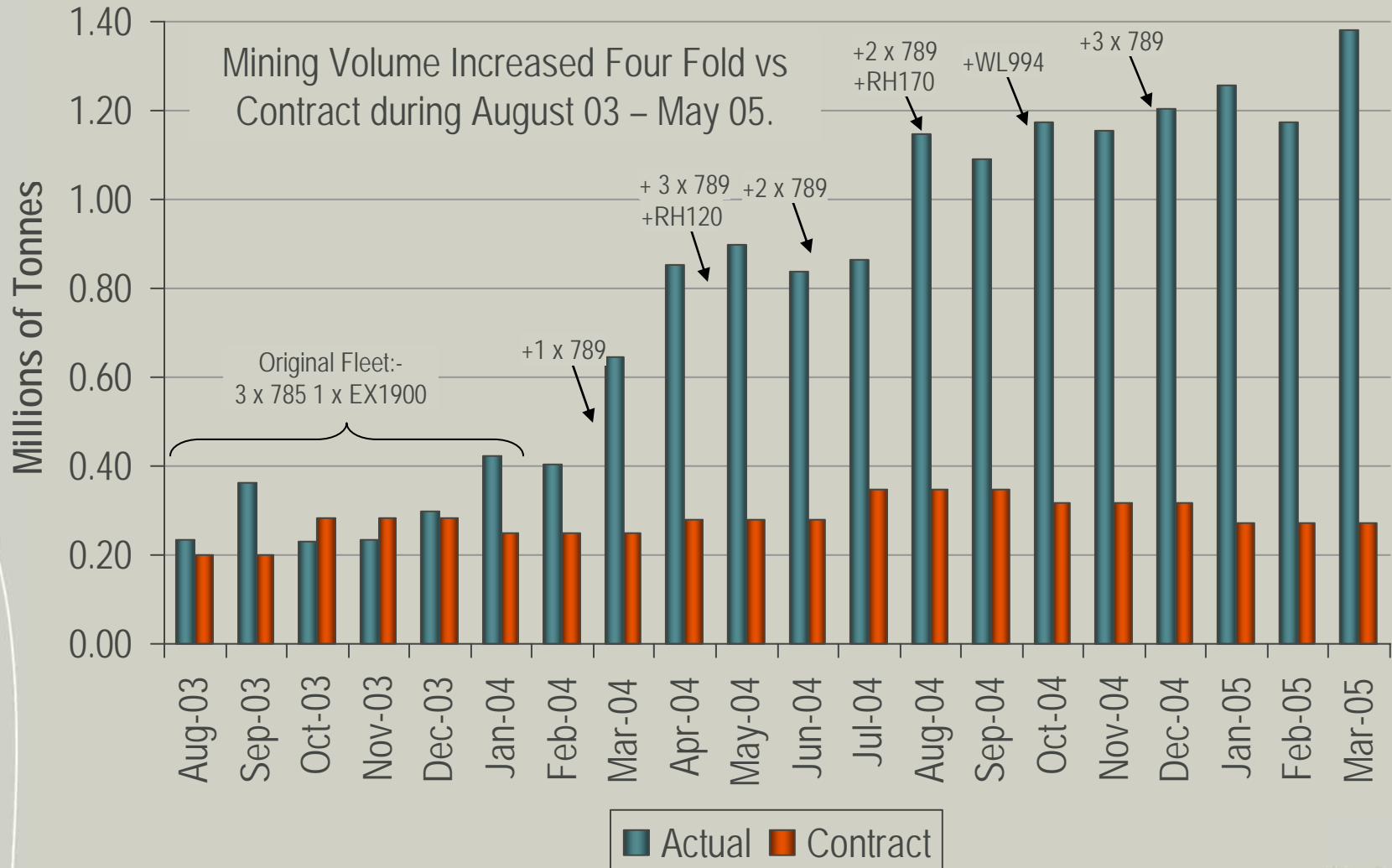
Accelerated Area C Ramp-up

Ore Production Mt

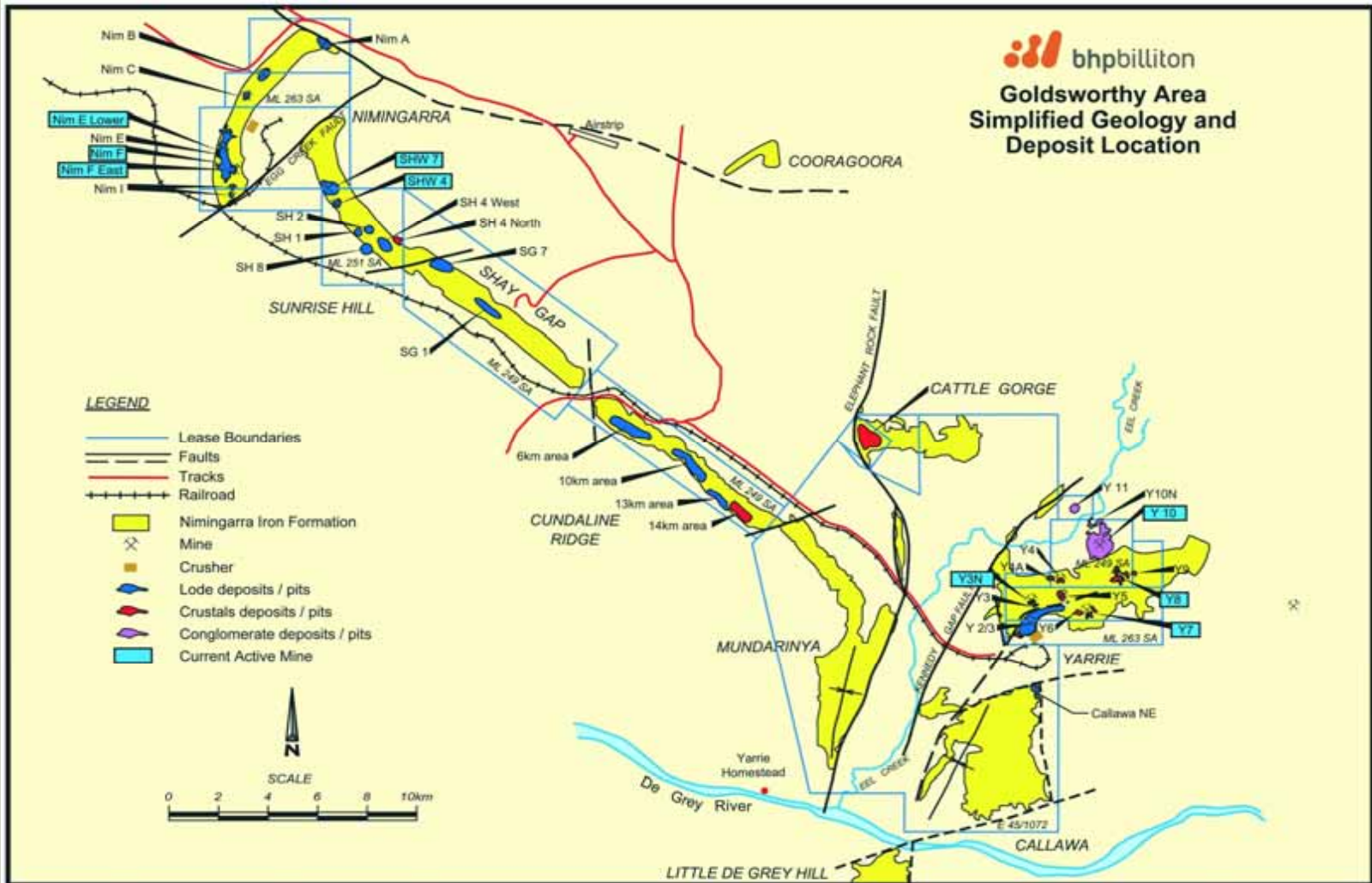


Area C Mine – Total Mining Movement

Mining Volume (MBCM)



Goldsworthy Mining Leases



Significant WAIO Resource Base

Ore Type	Resources (Mwt)	Reserves (Mwt)
Brockman low P	1,410	900
Brockman high P	1,862	199
Detrital (lump product)	74	-
Marra Mamba	2,139	565
Pisolite	1,334	901
Yarrie	234	13
Total	7,053	2,578

- Mineral Resources / Ore Reserves at 30 June 2004

Resource Evaluation Group

Jimblebar – W3



Resource Evaluation Group

Significant Drilling Program

		Expenditure A\$M
Current	310km	42.5
Reviewing	450km	60.0

Resource Evaluation Group – Strong Capability

- Workforce – 60% growth in drilling group with 40 geologists operating 16 shifts of drilling per day RC & DDH.
- 5 years of drilling planned at Yandi, Yarrie, Area C and Newman
- New drilling technology is being developed to improve geotechnical wall stability models at Mt Whaleback
- Large scale drilling programs aimed at improving reserve knowledge at
 - Mt Whaleback & surrounding satellite mines
 - Area C mine corridor
 - Yandi mine corridor

CAPABILITY

BHP Billiton Iron Ore – Mining Engineers and Geologists

	2003	2004	2005
<i>Mining Engineers</i>			
Whaleback	18	19	22
Contract Mines	6	9	10
<i>Geologists</i>			
Whaleback	20	26	46
Contract Mines	12	14	24

NB All data based on 30 June – end of financial year.

Mining Operations Improvement Initiatives



Successful Business Improvement

Delivering significant financial benefits

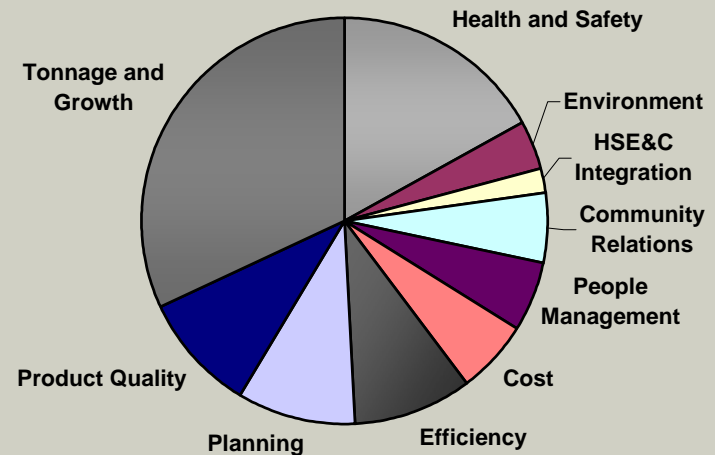
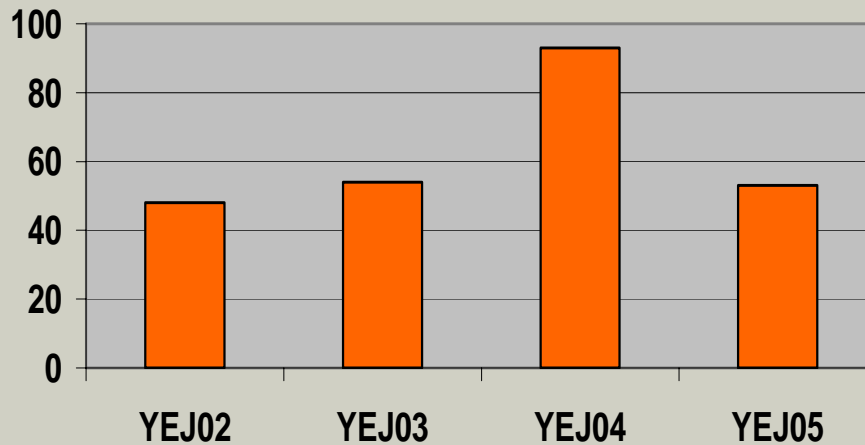
- Total projects completed year to March 05 = 26
- Business benefit to March 05 = \$29.6m

Embedding the Six Sigma Philosophy

- Total OE coaches trained = 58
- Total OE coaches in training = 6
- Total Accredited OE coaches = 23
- Total active OE coaches = 19
 - 7 Mine
 - 9 Port & Rail
 - 3 Perth

Status of Business Improvement in Mining Group

Number of Improvement Projects



Business Improvement Focus (OE) - Tonnage Projects

Multiple projects aimed at optimising the Car Dumper bottleneck to exceed 110MTPa.

- Jimblebar Load Times
- Reduce rake Loading times and Maximise Ore Car Capacity at Yandi 1 and 2
- Reduce rake Loading times and Maximise Ore Car Capacity at Mining Area
- Yandi Lump Mine to Market Strategy

Back-up Slides

Navigator – Business Planning Alignment & Involvement

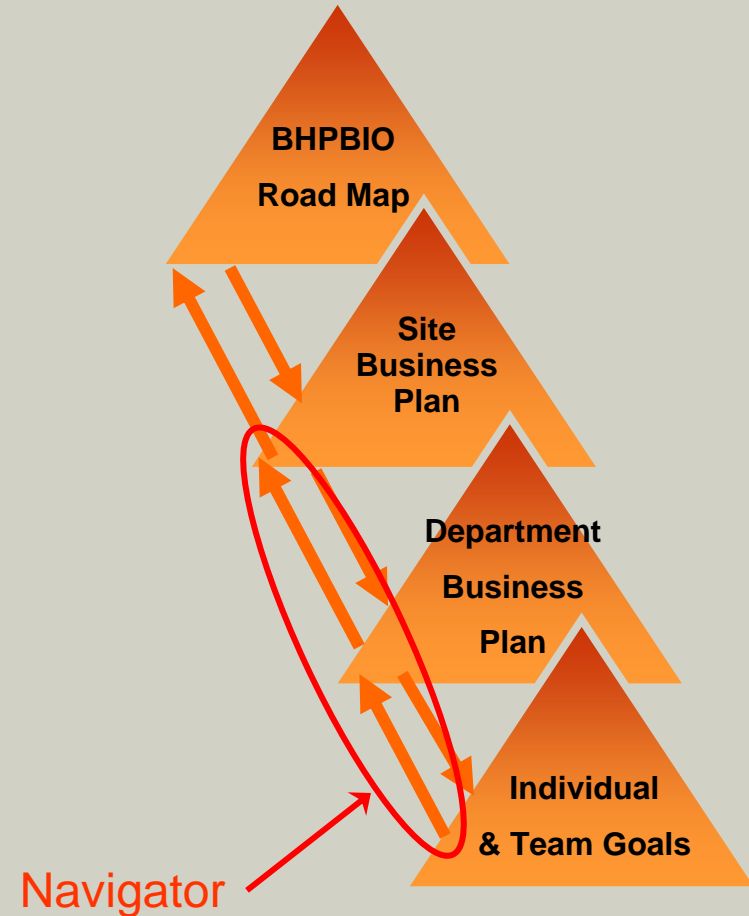
OUR VISION

"The safest, most profitable, productive and efficient global iron ore producer".

OUR PURPOSE

We exist to maximise creation of shareholder value through the development and operation of our Western Australian iron ore assets.

- Strengthening business planning through greater input from all work groups and OE processes
- 69 sessions across all workgroups
- 737 participants
- 5733 comments collected and analysed



No Fatalities	Performance Improvement Plan	Incidents					tph	tph					Priority Areas from SIA
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Navigator - Results

OUR VISION

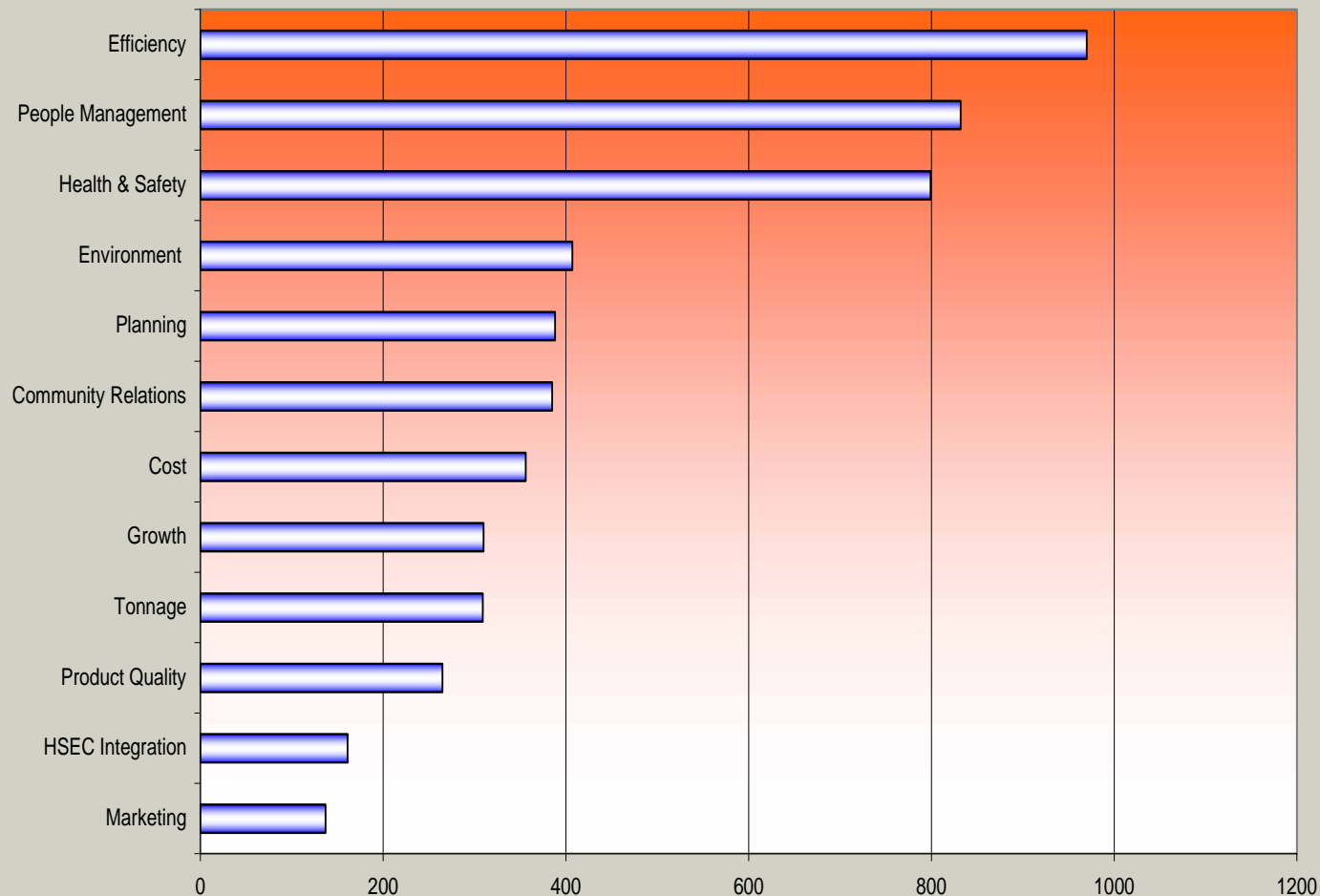
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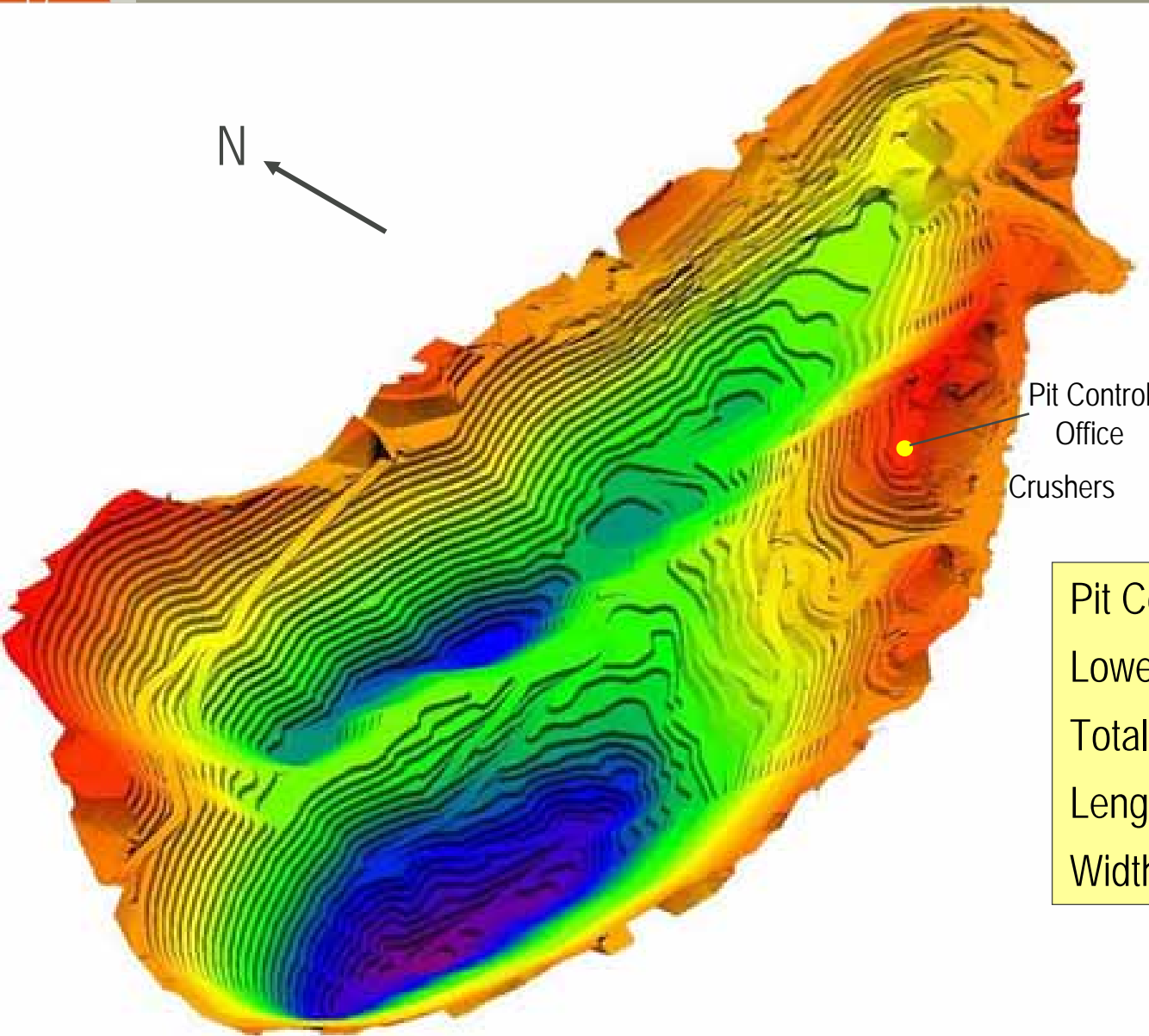
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- Efficiency
 - System / Processes
 - Maintenance / Equipment Availability
- People Management
 - Skills Development
 - HR Administration Issues
- Health & Safety
 - Safety Management
 - Education / Promotion
 - Risk Reduction
- Operating Excellence projects are under way with workgroups

Count Comment By Key Driver YEJ06 Navigator Workgroup Session



Mt. Whaleback Ultimate Pit Design



- Core ore source for the next 20+ years
- Controls chemical and physical properties of the blend

Pit Control Office	690 mRI
Lowest Point	190 mRI
Total Depth	≈ 500 m
Length	5 kms
Width	2 kms

Beneficiation Plant

YEJ 1998 : 4.8Mwt
YEJ 2001 : 5.8Mwt
YEJ 2002 : 7.1Mwt
YEJ 2003 : 7.8Mwt
YEJ 2004 : 7.7Mwt

- **Drum Capacity Increased** – 340 to 550 tph/drum, 3.2 to 3.5 SG – May 1999
- **Cyclone Circuit Upgrade** – June 1999
- **Replaced Cones Plant with Spiral Plant** – March 2000
- **Modified Chutes for Wet Feed Handling** – November 2000
- **Waste System Upgrade** – higher tonnage/reduce spillage – June 2001
- **Tailings System Upgrade** – October 2001
- **2004 Operation and Maintenance Interface Improvement Strategies** – Bene and High Grade

Orebody 25 & 23

Satellite Orebodies Offer Blending Flexibility

Orebody 25

- Flexible contractor mining operation
- Operational flexibility – crushing/screening options

Orebody 23

- Advanced pit development
- Dewatering system being installed

Orebody 18

- Commenced pre-strip

Jimblebar – Wheelarra 4 Pit

- Flexible contractor mining operation
- Ore handling plant capacity 8Mtpa
- Ore reserves in excess of 100Mt
- All ore reserves above water table
- Low Phosphorus ore reserves

Area C – Moisture Control Program



Bulk Ore Conditioning Sprays used to increase moisture and reduce overall dust levels.

Overall moisture conditioning levels of 3% for fines and 4% lump ores

Additional moisture controls are via train loadout, rail and port.

Competent Person Statement

The information in this presentation that relates to Mineral Resources and Ore Reserves is based on information compiled by R. Pasyar (MAusIMM) and P. Schultz (MAusIMM) who are employees of BHP Billiton.

R Pasyar and P Shultz have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 1999 Edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". R Pasyar and P Shultz consent to the inclusion in the presentation of the matters based on their information in the form and context in which it appears.