

# FACT BOOK 2012/13



# WITH THE FUTURE IN MIND

At Anglo American, we will achieve our ambition to be the leading mining company if we make sound decisions that focus on delivering long term value. It is these decisions made by our talented workforce that are driving the business forward with the future in mind.





# Other sources of information







You can find this report and additional information about Anglo American on our corporate website.

For more information visit www.angloamerican.com/reportingcentre

# A UNIQUE TRANSACTION

Our acquisition of a further 40% interest in De Beers was a unique opportunity to consolidate control of the world's leading diamond company. The benefits of our scale, expertise and financial resources, combined with the De Beers business and its iconic brand, will enhance De Beers' position across the diamond pipeline and capture the potential presented by a rapidly evolving diamond market.

For more information on this story go to page 82 of the Annual Report 2012





- 01 Preparation plant assistant Jessica Smith and environmentalist Matt Goddard at the train load-out facility at Metallurgical
- Coal's Capcoal open cut mine.
- **02** Molten platinum being poured at Platinum's precious metals refinery.
- 03 Construction work at Thermal Coal's eMalahleni water
- treatment plant.

  04 De Beers' sea
  walker drill platform.
- ork drilling the surf I's zone on the Atlan er coast in Namibia.
  - 05 Barro Alto's 185 metre rotary kilns, m. where nickel-

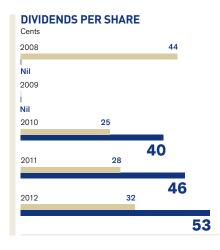


- bearing ore is reduced prior to smelting.
- 06 Anodes supervisor Ricardo Villalon at the anodes
- stockpile at the Chagres copper smelter.
- Cover Pulp thickener at Los Bronces' Confluencia facility



# **SAFEGUARDING VALUE**

# WITH THE FUTURE IN MIND



# **UNDERLYING OPERATING PROFIT**

(2011: \$11.1 bn)

**\$6.2**bn

# **UNDERLYING EARNINGS**

(2011: \$6.1 bn)

**\$2.8**bn

# **UNDERLYING EARNINGS PER SHARE**

(2011: \$5.06)

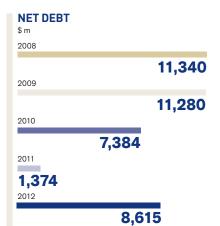
**\$2.26** 

(LOSS)/PROFIT

# **CAPITAL EXPENDITURE** 2008 5.3 2009 4.8 2010 5.0 2011 5.8 2012 5.7

# ATTRIBUTABLE TO EQUITY **SHAREHOLDERS** (2011: \$6.2 bn)

**\$(1.5)**bn



Underlying operating profit includes attributable share of associates' operating profit (before attributable share of associates' interest, tax, and non-controlling interests) and is before special items and remeasurements, unless otherwise stated. See notes 2 and 4 to the financial statements for operating profit. For definition of special items and remeasurements, see note 5 to the financial statements. See note 13 to the financial statements for the basis of calculation of underlying earnings.

'Tonnes' are metric tons, 'Mt' denotes million tonnes, 'kt' denotes thousand tonnes and 'koz' denotes thousand ounces; '\$' and 'dollars' denote US dollars and 'cents' denotes US cents.

Net debt includes related hedges and net cash in disposal groups. See note 31 to the financial statements.

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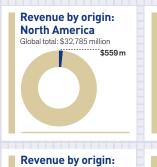
Other information

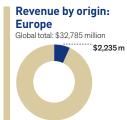
# **AT A GLANCE**

Anglo American's portfolio of mining businesses spans bulk commodities – iron ore and manganese, metallurgical coal and thermal coal; base metals – copper and nickel; and precious metals and minerals – in which we are a global leader in both platinum and diamonds.



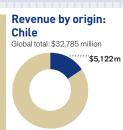
# AT A GLANCE continued





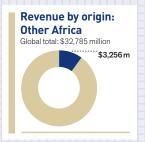


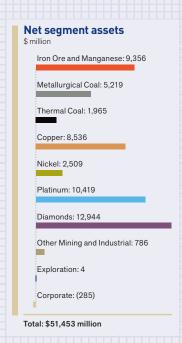




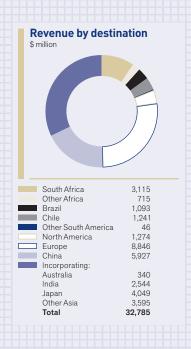












# THE BUSINESS – AN OVERVIEW

as at 31 December 2012

as at 31 December 2012			
Iron Ore and Manganese			
Kumba Iron Ore (South Africa)			69.7%
Minas-Rio (Brazil)			100%
LLX Minas-Rio (Brazil)(1)			49%
Samancor (South Africa and Australia)			40%
Metallurgical Coal		Overall ownership:	100%
100% owned	Other interests		
Australia	Australia		
Callide	Drayton		88.2%
Canac	Moranbah North		88%
Australia – other	Dartbrook		83.3%
Monash Energy Holdings Ltd	German Creek <sup>(2)</sup>		70%
	Foxleigh		70%
Canada	Dawson		51%
Peace River Coal	Jellinbah		23.3%
	Australia – other		
	Dalrymple Bay Coal Terminal Pty Ltd		25.4%
	Newcastle Coal Shippers Pty Ltd		17.6%
	MBD Energy Ltd		19.2%
Thermal Coal		Overall ownership:	100%
Thomas Gods		Overall ownership.	100 70
100% owned	Other interests		
South Africa	South Africa		
Goedehoop	Mafube		50%
Greenside	Phola plant		50%
Isibonelo	Kriel <sup>(3)</sup> Zibulo <sup>(3)</sup>		73% 73%
Kleinkopje Landau	Zibulo®		1 3 %
New Denmark	South Africa – other		
New Vaal	Richards Bay Coal Terminal		24.2%
	Calambia		
	<b>Colombia</b> Carbones del Cerrejón		33.3%
_			
Copper		Overall ownership:	100%
100% owned	Other interests		
Peru	Chile		=0.40/
Michiquillay	Chagres		50.1%
Chile	El Soldado Los Bronces		50.1% 50.1%
Mantos Blancos <sup>(4)</sup>	Collahuasi		44%
Mantoverde <sup>(4)</sup>	Collatiuasi		44%
That it of the or	South Africa		
	Palabora		16.8%
	Peru		
	Quellaveco		81.9%
			011070
	US		
	Pebble		50%
Nickel		Overall ownership:	100%
100% owned	Other interests		
Brazil	Venezuela		
Codemin	Loma de Níquel		91.4%
Barro Alto	<u> </u>		

 $<sup>^{(1)}\,\,</sup>$  Owns the port of Açu (currently under construction).

<sup>(2)</sup> The German Creek operation includes both Capcoal Open Cut and Underground operations.

<sup>(3)</sup> Kriel and Zibulo form part of the Anglo American Inyosi Coal black economic empowerment (BEE) company of which Anglo American owns 73%.

<sup>(4)</sup> Non-controlling interest of 0.018%.

# THE BUSINESS -**AN OVERVIEW** continued

Platinum			Overall ownership:	79.9%
100% owned		Other interests		
South Africa		South Africa		
Bathopele Mine		Union Section		85%
Khomanani Mine		Masa Chrome Company		74%
Thembelani Mine		iviasa Chrome Company		7490
Khuseleka Mine		Joint ventures or sharing agreements		
Siphumelele Mine		Modikwa Platinum Joint Venture	50%	
Tumela Mine		Kroondal Pooling and Sharing Agreem		50%
Dishaba Mine				
		Marikana Pooling and Sharing Agreem  Mototolo Joint Venture	ient	50%
Mogalakwena Mine		Mototolo Joint venture		50%
Western Limb Tailings Retreatment		A		
Waterval Smelter (including converting	g process)	Associates		400/
Mortimer Smelter		Bokoni		49%
Polokwane Smelter		Pandora		42.5%
Rustenburg Base Metals Refinery		Bafokeng-Rasimone		33%
Precious Metals Refinery		Atlatsa Resources Corporation <sup>(1)</sup>		27%
Twickenham Mine		Johnson Matthey Fuel Cells		17.5%
Zimbabwe		South Africa – other		
Unki Mine		Wesizwe Platinum Limited		13%
		Royal Bafokeng Platinum Limited		12.6%
De Beers			Overall ownership:	85%
100% owned		Other interests		
South Africa	Canada	South Africa	Namibia	
De Beers Group Services	De Beers Canada	De Beers Consolidated	Namdeb Holdings <sup>(4)</sup>	50%
(Exploration and Services)	Snap Lake	Mines 74% <sup>(2)</sup>	Namdeb Diamond Corpor	
De Beers Marine				alion
De Beers Marine	Victor	Venetia	Mining Area 1	
		Voorspoed	Orange River	
Synthetic Diamond Supermaterials	Sales	Namaqualand Mines <sup>(3)</sup>	Elizabeth Bay	
Element Six Technologies	Global Sightholder Sales	Kimberley Mines	Alluvial Contractors	
	Auction Sales		Debmarine Namibia	
		Botswana	Atlantic 1	
	Brands	Debswana 50%		
	Forevermark	Damtshaa	Sales	
		Jwaneng	DTC Botswana	50%
		Orapa	Namibia DTC	50%
		LetIhakane		
			Synthetic Diamond Superm	naterials
			Element Six Abrasives	60%
			Brands	
			De Beers Diamond Jewellers	s 50%
Other Mining and Industrial				
Other Mining and Industrial				
100% owned		Other interests		
Phosphates		Iron ore		
Anglo American Fosfatos Brasil Limita	ada	Amapá (Brazil)		70%
Niobium		Aggregates and Building Materials		
Anglo American Nióbio Brasil Limitada	a	Tarmac Middle East		50%
Aggregates and Duilding Materials				
Aggregates and Building Materials		<u></u>		
Tarmac Quarry Materials				
Tarmac Building Products				
Other <sup>(5)</sup>				
100% owned		Other interests		
Vergelegen (South Africa)		Exxaro Resources (southern Africa and	d Australia)	9.8%
(1) A				

 $<sup>^{(1)}\ \</sup> Anooraq\,Resources\,Corporation\,changed\,its\,name\,to\,Atlatsa\,Resources\,Corporation\,in\,2012.$ 

<sup>(9)</sup> De Beers' 74% interest represents its legal ownership share in De Beers Consolidated Mines (DBCM). For accounting purposes De Beers consolidates 100% of DBCM as it is deemed to control the BEE

entity which holds the remaining 26% after providing certain financial guarantees on its behalf during 2010.

In May 2011 De Beers announced that it had entered into an agreement to sell Namaqualand Mines.

In November 2011 the Government of the Republic of Namibia and De Beers restructured their mining partnership, creating a 50:50 holding company, Namdeb Holdings (Pty) Limited, with full ownership of Namdeb Diamond Corporation (Pty) Limited and De Beers Marine Namibia (Pty) Limited (now trading as Debmarine Namibia). All mining licences were transferred to the newly formed company.

<sup>(5)</sup> Included within Corporate Activities and Unallocated Costs segment.

# **HISTORY AND TIMELINE**

### 1800

## 1871

Diamonds discovered at Kimberley, South Africa.

# 1910

# 1917

Anglo American Corporation of South Africa (AAC) was founded to exploit the gold deposits east of Johannesburg. The £1 million authorised capital was raised largely from British and American sources.

### 1920

### 1923

Platinum first discovered in South Africa in the Bushveld Complex.

AAC becomes the largest shareholder in De Beers.

# 1930

# 1934

The Diamond Trading Company formed as a diamond selling company based in Kimberley and London.

## 1970

# 1973

Anglo American opens office in Brazil.

## 1990

## 1999

Anglo American plc is established by combining the business interests of Anglo and Minorco. This, together with a sweeping restructuring of the Group, creates one of the world's largest mining and natural resource companies.





### 2001

Removal of cross-holding with De Beers. De Beers is privatised after 113 years as a listed company.

# 2002

Anglo Base Metals acquires the Disputada copper operations in Chile from Exxon Mobil in November 2002.

Anglo American acquires a major stake in Kumba Resources.

### 2006

Restructuring of Kumba Resources to separately list Kumba Iron Ore, of which Anglo American held 64%, and Exxaro, which became South Africa's largest black economic empowered (BEE) natural resources company.

# 2007

Demerger of Mondi, Anglo American's paper and packaging business, to become a dual-listed company on the London and Johannesburg stock

Purchase of a 49% stake in the MMX Minas-Rio iron ore project in Brazil.

Acquisition of the Michiguillay copper project in northern Peru and a 50% stake in the Pebble copper project in

Acquisition of a 70% interest in the Foxleigh coal mine in Australia.



02 Moving sections into position along the 525 kilometre iron ore slurry pipeline at our Minas-Rio project in Brazil.

ramping up to full capacity.

03 Las Tórtolas tailings dam, close to the Los Bronces copper mine in Chile.







### 2008

Anglo American acquires control of the Minas-Rio iron ore project and Amapá iron ore system in Brazil.

#### 2009

Sale of remaining 11.3% stake in AngloGold Ashanti.

Announcement of significant new copper prospects at Los Sulfatos (estimated Inferred Resources of 1.2 billion tonnes at 1.46% TCU) and San Enrique Monolito (estimated Inferred Resources of 0.9 billion tonnes at 0.81% TCU) near Los Bronces in Chile.

### 2010

## 2010

Sale completed of Tarmac's aggregates businesses in France, Germany, Poland and the Czech Republic and its Polish, and French and Belgian concrete products businesses.

Announcement of sale of the Group's Zinc portfolio to Vedanta.

Sale of Moly-Cop and AltaSteel to OneSteel Limited.

Anglo American plc and Lafarge SA announce their agreement to combine their cement, aggregates, ready-mixed concrete, asphalt and contracting businesses in the UK.









Anglo American announces that it has acquired 100% ownership of Peace River Coal Limited Partnership ('PRC').

Anglo American announces the completion of its sale of a 24.5% interest in Anglo American Sur (AA Sur) to Mitsubishi Corporation.

### 2012

Anglo American announces the final stage of the \$1.4 billion Scaw Metals Group divestment with the sale of Scaw South Africa to an investment consortium led by the Industrial Development Corporation of South Africa and Anglo American's partners in Scaw South Africa (Pty) Ltd, being Izingwe Holdings (Pty) Limited, Shanduka Resources (Pty) Limited and the Southern Palace Group of Companies (Pty) Limited, for a total consideration of ZAR3.4 billion (\$440 million) on a debt and cash free basis.

Anglo American plc announces the completion of its acquisition of a 40% shareholding in De Beers from CHL (representing the Oppenheimer family interests), thereby increasing Anglo American's shareholding in De Beers to 85%. Anglo American paid a total cash consideration of \$5.2 billion.

- 01 At the Kumba/Kolomela rail loading facility iron ore is transferred to rail wagons for the 861 kilometre journey to the dedicated iron-ore export terminal at Saldanha Bay on South Africa's Atlantic coast.
- **02** José Arancibia, operator, at the Mantoverde electrowinning copper cathode plant.
- 03 Mine site officer
  Nicolette Martens and
  production supervisor
  Gordon Barwick inspect
  the conveyor near the
  coal handling and
  preparation plant at
  Moranbah North, in
  Oueensland, Australia.
- 04 The diamond recovery process plant at Venetia, South Africa's biggest diamond mine, which produced just over 3 million carats in 2012.

Anglo American and Corporación Nacional del Cobre de Chile (Codelco) announce their agreement to form a new partnership in respect of certain of the AA Sur copper interests in Chile. Anglo American retains control of AA Sur, reducing its 75.5% shareholding to 50.1%. A Codelco and Mitsui joint venture company controlled by Codelco acquires a 29.5% interest in AA Sur.

Anglo American announces that it has reached a binding agreement to sell its 16.8% effective interest in Palabora Mining Company Limited for ZAR893 million (approximately \$103 million).

# 2013 (to 31 March)

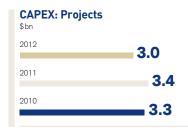
Anglo American announces the sale of its 70% interest in the Amapá iron ore operation in Brazil to Zamin Ferrous Ltd.

Anglo American and Lafarge announce the completion of their 50:50 joint venture which will combine their cement, aggregates, ready-mix concrete, asphalt and asphalt surfacing, maintenance services, and waste services businesses in the United Kingdom. The joint venture is known as Lafarge Tarmac.

# PROJECT DELIVERY TO CONTINUE TO DRIVE HIGH QUALITY PRODUCTION GROWTH

# **IN BRIEF**

- Cerrejón P40 8 Mtpa export thermal coal expansion in Colombia – first coal in 2013.
- Minas-Rio 26.5 Mtpa iron ore project in Brazil – injunctions lifted and first ore on ship (FOOS) end of 2014.
- Grosvenor 5 Mtpa metallurgical coal project in Australia – longwall production in 2016.





The Group's extensive portfolio of undeveloped world class resources and growth options span its chosen core commodities. It offers flexibility to sequence investment in line with the Group's view of market dynamics and the geopolitical environment. Capital is prioritised to maximise value accretion while minimising risk exposure, taking into consideration the Group's resulting funding capacity.

We have a number of projects in the execution phase and are progressing with the development of other growth projects, including the 225,000 tonnes per annum (tpa) Quellaveco greenfield copper project in Peru.

The Minas-Rio iron ore project in Brazil is expected to capture a significant part of the pellet feed market with its premium product featuring high iron content and low contaminants. Phase 1 of the Minas-Rio project is expected to produce 26.5 million tonnes per annum (Mtpa), with potential optimisation to 29.8 Mtpa.

During 2012 Anglo American completed a detailed cost and schedule review of the project. The review included third party input and examined the outstanding capital expenditure requirements in light of current development progress and the disruptive challenges faced by the project. The review included a detailed re-evaluation of all aspects of the outstanding schedule, with a focus on maximising value and mitigating risk.

Following completion of the review, estimated capital expenditure for the Minas-Rio project increased to \$8.8 billion, if a centrally held risk contingency of \$600 million is utilised in full. On the basis of the revised capital expenditure requirements and assessment of the full potential of Phase 1 of the project (excluding at this stage the potential for future expansions up to 90 Mtpa),

Anglo American recorded an impairment charge of \$4 billion at 31 December 2012, on a post-tax basis. The first phase of the project will begin its ramp up at the end of 2014.

The published resource has increased more than fourfold since acquisition to 5.77 billion tonnes in 2011, of which we have recently converted 1.45 billion tonnes to Ore Reserves. We anticipate increases in the resource confidence and further conversion of resources to reserves through our ongoing infill drilling programme.

In Colombia, the brownfield expansion project, P40, aims to increase export thermal coal production capacity by 8 Mtpa to 40 Mtpa (100% basis), through additional mining equipment and the debottlenecking of key logistics infrastructure. The project was approved by Cerrejón's shareholders in the third quarter of 2011. The project is progressing well, with first coal expected in 2013.

The greenfield Grosvenor metallurgical coal project is situated immediately to the south of Anglo American's Moranbah North metallurgical coal mine in the Bowen Basin of Queensland, Australia. The mine is expected to produce 5 Mtpa of high quality metallurgical coal from its underground longwall operation over a projected life of 26 years and to benefit from operating costs in the lower half of the cost curve.

In its first phase of development, Grosvenor will consist of a single new underground longwall mine, targeting the same well understood Goonyella Middle coal seam as Moranbah North, and will process its coal through the existing Moranbah North CHPP and train loading facilities. The Grosvenor project is currently in execution, with engineering work and construction under way and longwall production targeted to begin in 2016. A prefeasibility study for expansion by adding a second longwall at Grosvenor is under way.

The Group's extensive portfolio of undeveloped world class resources and pipeline of growth opportunities spans our chosen core commodities.

Quellaveco is a greenfield copper project in the Moquegua region of southern Peru that has the potential to produce 225,000 tpa of copper from an open pit over a mine life of approximately 28 years. The project is expected to operate in the lower half of the cash operating cost curve, benefiting from attractive ore grades, low waste stripping and molybdenum by-product production. Anglo American completed the

feasibility study for the project in late 2010, and took the decision to suspend progress in order to engage more actively with the local communities through a formal dialogue table process, following requests from local stakeholders. The dialogue process reached agreement in early July 2012 in relation to water usage, environmental responsibility and Anglo American's social contribution over the life of the mine, and has been

held as a model for stakeholder engagement in Peru. The project received three critical permits during the fourth quarter of 2012 and Anglo American is targeting submission to the Board for approval in 2013.

## **SELECTED MAJOR PROJECTS**

Approved							
Sector	Project	Country	Greenfield (G)/ Brownfield (B)	First production date	Full production date	Capex \$bn <sup>(1)</sup>	Production volume <sup>(2)</sup>
Iron Ore and Manganese	Minas-Rio Phase 1	Brazil	G	2014	2016	8.8(3)	26.5 Mtpairon ore
	Groote Eylandt Expansion Project	Australia	В	2013	2013	<1	0.6 Mtpa manganese ore
Metallurgical Coal	Grosvenor Phase 1	Australia	G	2015	2016	<2	5.0 Mtpa metallurgical
Thermal Coal	Cerrejón P40	Colombia	В	2013	2015	<2	8.0 Mtpa thermal
Copper	Collahuasi expansion Phase 2	Chile	В	2013	2014	<1	20 ktpa copper
	Mantoverde desalination plant	Chile	В	2013	2013	<1	To sustain current copper production plans
Platinum	Twickenham	South Africa	G	2016	2021	<2	180 kozpa refined platinum
	Bathopele Phase 4	South Africa	В	2013	2013	<1	65 kozpa refined platinum
	Bathopele Phase 5	South Africa	В	2013	2017	<1	139 kozpa refined platinum
Diamonds	Jwaneng – Cut-8	Botswana	В	2016	2018(4)	3(5)	approx. 10 million carats pa
	Venetia U/G	South Africa	В	2021	2024	<3	approx. 4 million carats pa
Other Mining and Industrial – Core	Boa Vista Fresh Rock	Brazil	В	2014	2015	<1 <sup>(6)</sup>	6.5 ktpa total niobium production

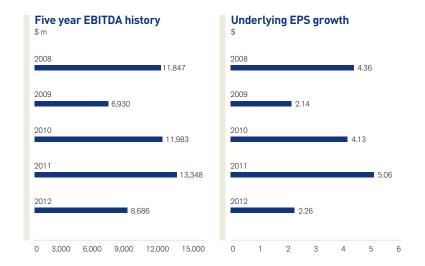
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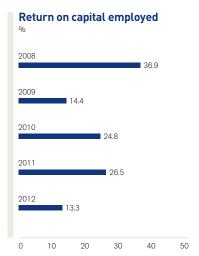
Sector	Project	Country	Greenfield (G)/ Brownfield (B)	Indicative production volume <sup>(2)</sup>
Iron Ore and Manganese	Kolomela Expansion	South Africa	В	6.0 Mtpa iron ore
	Sishen Lower Grade	South Africa	В	6.0 Mtpa iron ore
	Sishen Concentrates (Phase 1)	South Africa	В	1.1 Mtpa iron ore
	Minas-Rio Phase 1 AO	Brazil	В	3.3 Mtpairon ore
	Minas-Rio Expansion	Brazil	В	TBD
Metallurgical Coal	Moranbah South	Australia	G	12.0 Mtpa metallurgical
	Grosvenor Phase 2	Australia	В	6.0 Mtpa metallurgical
	Drayton South	Australia	В	4.0 Mtpa export thermal
Thermal Coal	New Largo	South Africa	G	11.0 Mtpa thermal
	Elders Multi-product	South Africa	G	3.1 Mtpa thermal
	Mafube	South Africa	В	4.3 Mtpa thermal
Copper	Quellaveco	Peru	G	225 ktpa copper
	Michiquillay	Peru	G	222 ktpa copper <sup>(7)</sup>
	Collahuasi Expansion Phase 3	Chile	В	469 ktpa copper
	Pebble	USA	G	187 ktpa copper <sup>(8)</sup>
	Los Bronces District/Los Sulfatos	Chile	B/G	TBD <sup>(9)</sup>
Nickel	Jacaré	Brazil	G	TBD
	Morro Sem Boné	Brazil	G	TBD
Platinum	Tumela Central Shaft	South Africa	В	128 kozpa refined platinum
	Mogalakwena NC Debottlenecking	South Africa	В	70 kozpa refined platinum
	Mogalakwena Expansion Phase 2	South Africa	В	TBD
Diamonds	Gahcho Kué <sup>(10)</sup>	Canada	G	4.5 million carats pa
Other Mining and Industrial – Core	Goiás II	Brazil	В	1.4 Mtpa phosphates concentrate

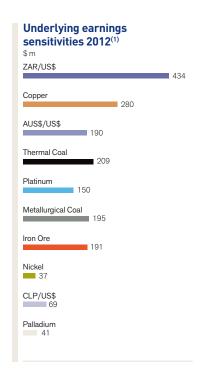
- (1) Capital expenditure shown on 100% basis in nominal terms.
- Represents 100% of average incremental or replacement production, at full production, unless otherwise stated.
- (3) Capital expenditure, post-acquisition of Anglo American's shareholding in Minas-Rio, includes 100% of the mine and pipeline, and an attributable share of the port.
- 40 Waste stripping at Cut-8, an extension to Jwaneng mine, began in 2010. Carat recovery will commence in 2016, with Cut-8 becoming the main one source for Jwaneng from 2018.

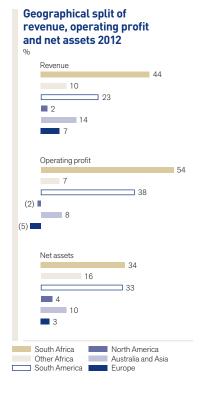
  (5) Infrastructure expenditure of approximately \$450 million has already been spent. Project expenditure, including infrastructure expenditure, is likely to total approximately \$3 billion
- and is anticipated to create access to 95 million carats over the life of the mine.
- (a) An extension to mine life by mining the unweathered ore after oxides have been depleted. New processing plant (from crushing to leaching) required.
  (b) Expansion potential to 300 ktpa.
- (8) Pebble will produce molybdenum and gold by-products. Other copper projects will produce molybdenum and silver by-products.
- (9) Projected underground mine.
- (19) Gahcho Kué has received De Beers board approval subject to completion of the permitting process and receipt of certain regulatory clearances.

# FINANCIAL HIGHLIGHTS









<sup>(1)</sup> Refers to 12 months to 31 December 2012. Excludes the effect of any hedging activities. Stated after tax at marginal rate. Sensitivities are the average of the positive and negative and reflect the impact of a 10% change in the average prices and exchange rates during 2012.

# **KEY FINANCIAL DATA**

US\$ million (unless otherwise stated)	2012	2011	2010	2009	2008	2007	2006(1)	2005(1)	2004(1)
Group revenue including associates	32,785	36,548	32,929	24,637	32,964	30,559	29,404	24,872	22,610
Less: Share of associates' revenue	(4,024)	(5,968)	(4,969)	(3,779)	(6,653)	(5,089)	(4,413)	(4,740)	(5,429)
Group revenue	28,761	30,580	27,960	20,858	26,311	25,470	24,991	20,132	17,181
Underlying operating profit including associates before									
special items and remeasurements	6,164	11,095	9,763	4,957	10,085	9,590	8,888	5,549	3,832
Special items and remeasurements (excluding financing and tax									
special items and remeasurements)	(5,757)	(44)	1,727	(208)	(330)	(227)	24	16	556
Net finance costs (including financing special items and	, , ,	` ′		` ′	, ,	` '			
remeasurements), tax and non-controlling interests of associates	(269)	(452)	(423)	(313)	(783)	(434)	(398)	(315)	(391)
Total profit from operations and associates	138	10,599	11,067	4,436	8,972	8,929	8,514	5,250	3,997
Net finance (costs)/income (including financing special items		,	,	.,	-,	-,	-,	-,	-,
and remeasurements)	(377)	183	(139)	(407)	(401)	(108)	(71)	(220)	(385)
(Loss)/profit before tax	(239)	10,782	10,928	4,029	8,571	8,821	8,443	5,030	3,612
Income tax expense (including special items and remeasurements)	(375)	(2,860)	(2,809)	(1,117)	(2,451)	(2,693)	(2,518)	(1,208)	(765)
(Loss)/profit for the financial year – continuing operations	(614)	7,922	8,119	2,912	6,120	6,128	5,925	3,822	2,847
Profit for the financial year – discontinued operations	(014)	1,522	0,110	2,512	0,120	2,044	997	111	1,094
(Loss)/profit for the financial year – total Group	(614)	7,922	8,119	2,912	6,120	8,172	6,922	3,933	3,941
	(879)	(1,753)	(1,575)	(487)	(905)	(868)	(736)	(412)	(440)
Non-controlling interests (Loss)/profit attributable to equity shareholders of	(019)	(1,700)	(1,373)	(401)	(300)	(000)	(130)	(412)	(440)
the Company	(1,493)	6,169	6,544	2,425	5,215	7,304	6,186	3,521	3,501
Underlying earnings <sup>(2)</sup> – continuing operations	2,839	6,120	4,976	2,569	5,213	5,477	5,019	3,335	2,178
Underlying earnings <sup>(2)</sup> – discontinued operations	2,039	0,120	4,310	2,309	0,201	284	452	3,333 401	506
Underlying earnings(s) – discontinued operations  Underlying earnings(s) – total Group	2,839	6,120	- 4,976	2,569	5,237	5,761	452 5,471	3,736	2,684
	,								
(Loss)/earnings per share (US\$) – continuing operations	(1.19)	5.10	5.43	2.02	4.34	4.04	3.51	2.35	1.84
Earnings per share (US\$) – discontinued operations	(4.40)			-	-	1.54	0.70	0.08	0.60
(Loss)/earnings per share (US\$) – total Group	(1.19)	5.10	5.43	2.02	4.34	5.58	4.21	2.43	2.44
Underlying earnings per share (US\$) – continuing operations	2.26	5.06	4.13	2.14	4.36	4.18	3.42	2.30	1.52
Underlying earnings per share (US\$) – discontinued operations	_	-	-	-	-	0.22	0.31	0.28	0.35
Underlying earnings per share (US\$) – total Group	2.26	5.06	4.13	2.14	4.36	4.40	3.73	2.58	1.87
Ordinary dividend per share (US cents)	85.0	74.0	65.0	-	44.0	124.0	108.0	90.0	70.0
Special dividend per share (US cents)	-	-	-	-	-	-	67.0	33.0	-
Weighted average basic number of shares outstanding (million)	1,254	1,210	1,206	1,202	1,202	1,309	1,468	1,447	1,434
Underlying EBITDA <sup>(3)</sup> – continuing operations	8,686	13,348	11,983	6,930	11,847	11,171	10,431	7,172	5,359
Underlying EBITDA <sup>(3)</sup> – discontinued operations	_	-	-	-	-	961	1,766	1,787	1,672
Underlying EBITDA <sup>(3)</sup> – total Group	8,686	13,348	11,983	6,930	11,847	12,132	12,197	8,959	7,031
Underlying EBITDA interest cover <sup>(4)</sup> – total Group	61.2	n/a	42.0	27.4	28.3	42.0	45.5	20.0	18.5
Operating margin (before special items and remeasurements) -									
total Group	18.8%	30.4%	29.6%	20.1%	30.6%	28.4%	25.4%	18.5%	14.7%
Ordinary dividend cover (based on underlying earnings per share) -									
total Group	2.7	6.8	6.4	-	9.9	3.5	3.5	2.9	2.7
Balance sheet									
Intangible assets and property, plant and equipment	49,660	42,871	42,126	37,974	32,551	25,090	25,632	33,368	35,816
Other non-current assets and investments <sup>(5)</sup>	8,512	10,269	9,852	7,303	7,607	9,271	8,258	5,585	5,547
Working capital	3,744	2,093	2,385	2,168	861	1,966	3,096	3,538	3,543
Other net current liabilities <sup>(5)</sup>	(990)	(1,683)	(785)	(272)	(840)	(911)	(1,430)	(1,429)	(611)
Other non-current liabilities and obligations <sup>(5)</sup>	(10,710)	(9,220)	(8,757)	(8,487)	(7,567)	(6,387)	(5,826)	(8,491)	(8,339)
Cash and cash equivalents and borrowings <sup>(6)</sup>	(8,660)	(1,141)	(7,038)	(11,046)	(11,051)	(5,170)	(3,244)	(4,993)	(8,243)
Net assets classified as held for sale	2,231		188	429	195	471	641	- ( .,555)	(-,)
Net assets	43,787	43,189	37,971	28,069	21,756	24,330	27.127	27,578	27.713
Non-controlling interests	(6,130)	(4,097)	(3,732)	(1,948)	(1,535)	(1,869)	(2,856)	(3,957)	(4,588)
Equity attributable to equity shareholders of the Company	37,657	39,092	34,239	26,121	20,221	22,461	24,271	23,621	23,125
Total capital <sup>(7)</sup>	52,402	44,563	45,355	39,349	33,096	29,181	30,258	32,558	35.806
Cash flows from operations – continuing operations	7,021	11,498	9,924	4,904	9,579	9,375	9,012	5,963	3,857
Cash flows from operations – discontinued operations			-,	-,50	-	470	1,045	1,302	1,434
Cash flows from operations – total Group	7,021	11,498	9,924	4,904	9,579	9,845	10,057	7,265	5,291
Dividends received from associates and financial asset	.,02.	, 100	0,021	.,50 1	0,010	5,510	. 5,501	.,200	0,201
investments – continuing operations	340	403	285	639	659	311	251	468	380
Dividends received from associates and financial asset	3.3	100	200	300	300	511	_01	100	300
investments – discontinued operations	_	_	_	_	_	52	37	2	16
Dividends received from associates and financial asset						02	01	_	10
investments – total Group	340	403	285	639	659	363	288	470	396
Return on capital employed® – total Group	13.3%	26.5%	24.8%	14.4%	36.9%	38.0%	32.6%	18.8%	16.9%
EBITDA/average total capital <sup>(7)</sup> – total Group	17.9%	29.7%	28.3%	19.1%	38.0%	40.8%	38.8%	26.2%	21.3%
Net debt to total capital (gearing) <sup>(9)</sup>	16.4%	3.1%	16.3%	28.7%	34.3%	16.6%	10.3%	15.3%	22.6%
itot debt to total capital (gearing)	10:470	J. 170	10.070	20.170	J+.J7/U	10.070	10.370	10.070	22.070

<sup>(1)</sup> Comparatives for 2006, 2005 and 2004 were adjusted in the 2007 Annual Report to reclassify amounts relating to discontinued operations where applicable.

<sup>(2)</sup> Underlying earnings is profit attributable to equity shareholders of the Company before special items and remeasurements and is therefore presented after net finance costs, income tax and non-controlling interests.

<sup>(3)</sup> Underlying EBITDA is operating profit before special items and remeasurements, depreciation and amortisation in subsidiaries and joint ventures and includes attributable share of EBITDA of associates

<sup>(4)</sup> Underlying EBITDA interest cover is underlying EBITDA divided by net finance costs, excluding other net financial income, exchange gains and losses on monetary assets and liabilities, unwinding of discount relating to provisions and other liabilities, financing special items and remeasurements, and including attributable share of associates' net interest expense, which in 2011 resulted in a net finance income and therefore the ratio is not applicable.

<sup>(9)</sup> Comparatives for 2008, 2007, 2006 and 2005 were adjusted in the 2009 Annual Report in accordance with IAS 1 Presentation of Financial Statements – Improvements to reclassify non-hedge derivatives whose expected settlement date was more than one year from the period end from current to non-current.

This differs from the Group's measure of net debt as it excludes the net cash/(debt) of disposal groups (2012: \$213 million; 2011: nil; 2010: \$59 million; 2009: \$48 million; 2008: \$8 million; 2007: \$(69) million; 2006: \$(80) million; 2005: nil; 2004: nil) and excludes related hedges (2012: net liabilities of \$168 million; 2011: net liabilities of \$233 million; 2010: net liabilities of \$405 million; 2009: net liabilities of \$285 million; 2008: net liabilities of \$297 million; 2007: net assets of \$388 million; 2006: net assets of \$193 million; 2005: nil; 2004: nil). See note 31 to the financial statements.

<sup>7)</sup> Total capital is net assets excluding net debt.

<sup>(8)</sup> Return on capital employed is calculated as total operating profit before impairments for the year divided by the average of total capital less other investments and adjusted for impairments.

<sup>(9)</sup> Net debt to total capital is calculated as net debt (including related hedges) divided by total capital. Comparatives are presented on a consistent basis.

# ORE RESERVES AND MINERAL RESOURCES

The Ore Reserve and Mineral Resource estimates presented in this Fact Book are prepared in accordance with the Anglo American plc (AA plc) Reporting of Exploration Results, Mineral Resources and Ore Reserves standard. This standard requires that the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves 2004 edition (the JORC Code) be used as a minimum standard. Some Anglo American plc subsidiaries have a primary listing in South Africa where public reporting is carried out in accordance with the South African Code for Reporting of Exploration Results, Mineral Resources and Mineral Reserves (the SAMREC Code). The SAMREC Code is similar to the JORC Code and the Ore Reserve and Mineral Resource terminology appearing in this section follows the definitions in both the JORC (2004) and SAMREC (2007 Edition as amended July 2009) Codes.

The information on Ore Reserves and Mineral Resources was prepared by or under the supervision of Competent Persons as defined in the JORC or SAMREC Codes. All Competent Persons have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking. All the Competent Persons consent to the inclusion in this report of the information in the form and context in which it appears. The names of the Competent Persons are lodged with the Anglo American plc Company Secretary and are available on request. Anglo American Group companies are subject to a comprehensive programme of reviews aimed at providing assurance in respect of Ore Reserve and Mineral Resource estimates. The reviews are conducted by suitably qualified Competent Persons from within the Anglo American Group, or by independent consultants. The frequency and depth of the reviews is a function of the perceived risks and/or uncertainties associated with a particular Ore Reserve and Mineral Resource, the overall value thereof and time that has lapsed since an independent third party review has been conducted. Those operations/projects subject to independent third party reviews during the year are indicated in footnotes to the tables.

The JORC and SAMREC Codes require the use of reasonable economic assumptions. These include long-range commodity price forecasts which are prepared by in-house specialists largely using estimates of future supply and demand and long term economic outlooks. Ore Reserves are dynamic and are more likely to be affected by fluctuations in the prices of commodities. uncertainties in production costs, processing costs and other mining, legal, environmental, social and governmental factors which may impact the financial condition and prospects of the Group. Mineral Resource estimates also change and tend to be influenced mostly by new information pertaining to the understanding of the deposit and secondly by the conversion to Ore Reserves.

To accommodate the various factors that are important in the development of a classified Mineral Resource estimate, a scorecard approach can be used. Mineral Resource classification defines the confidence associated with different parts of the Mineral Resource. The confidence that is assigned refers collectively to the reliability of the Grade and Tonnage estimates. This reliability includes consideration for the fidelity of the base data, the geological continuity predicated by the level of understanding of the geology, the likely precision of the estimated grades and understanding of grade variability, as well as various other factors that may influence the confidence that can be placed on the Mineral Resource. Platinum, Nickel and Kumba Iron Ore have developed and applied their own scorecard approaches to the classification of Mineral Resources.

The estimates of Ore Reserves and Mineral Resources are stated as at 31 December 2012, Unless otherwise stated, Mineral Resources are additional to those resources which have been modified to produce the Ore Reserves and are reported on a dry tonnes basis. The figures in the tables have been rounded and, if used to derive totals and averages, minor differences with stated results could occur. Ore Reserves in the context of this Fact Book have the same meaning as 'Mineral Reserves' as defined by the SAMREC Code and the CIM (Canadian Institute of Mining and Metallurgy) Definition Standards on Mineral Resources and Mineral Reserves.

# ORE RESERVES AND MINERAL RESOURCES continued

It is accepted that mine design and planning may include a portion of Inferred Mineral Resources. Inferred Mineral Resources in the Life of Mine Plan (LOM Plan) are described as 'Inferred (in LOM Plan)' separately from the remaining Inferred Mineral Resources described as 'Inferred (ex. LOM Plan)', as required. These resources are declared without application of any modifying factors.

The direct legal ownership that Anglo American holds in each operation and project is presented as the Attributable Percentage beside the name of each entity. Operations and projects which fall below the internal threshold for reporting (25% attributable interest) are excluded from the Ore Reserves and Mineral Resources estimates. Operations and projects which were disposed of or for which mining concessions expired during 2012 and hence not reported in 2012 are: Loma de Níquel.

In South Africa, the Minerals and Petroleum Resources Development Act, Number 28 of 2002 (MPRDA) was implemented on 1 May 2004, and effectively transferred custodianship of the previously privately held mineral rights to the State. Mining companies were given up to two years to apply for prospecting permit conversions and five years to apply for mining licence conversions for existing operations.

A Prospecting Right is a new order right issued in terms of the MPRDA that is valid for up to five years, with the possibility of a further extension of three years, that can be obtained either by the conversion of existing Old Order Prospecting Rights or through new applications. An Exploration Right is identical to a Prospecting Right, but is commodity specific in respect of petroleum and gas and is valid for up to three years which can be renewed for a maximum of three periods not exceeding two years each.

A Mining Right is a new order right issued in terms of the MPRDA valid for up to 30 years obtained either by the conversion of an existing Old Order Mining Right, or as a new order right pursuant to the exercise of the exclusive right of the holder of a new order Prospecting Right, or pursuant to an application for a new Mining Right. A Production Right is identical to a Mining Right, but is commodity specific in respect of petroleum and gas.

In preparing the Ore Reserve and Mineral Resource statement for South African assets, Anglo American plc has adopted the following reporting principles in respect of Prospecting Rights and Mining Rights:

- Where applications for new order Mining Rights and Prospecting Rights have been submitted and these are still being processed by the relevant regulatory authorities, the relevant Ore Reserves and Mineral Resources have been included in the statement.
- Where applications for new order Prospecting Rights have been initially refused by the regulatory authorities, but are the subject of ongoing legal process and discussions with the relevant authorities and where Anglo American plc has reasonable expectations that the Prospecting Rights will be granted in due course, the relevant Mineral Resources have been included in the statement (any associated comments appear in the footnotes).

# **ESTIMATED ORE RESERVES**(1) (PROVED + PROBABLE)

as at 31 December 2012

Detailed Proved and Probable figures appear on the referenced pages

KUMBA IRON OR (See page 35 for det	<del></del>	Attributable	Mine	Mining	Total Saleable		0 . 1
Kolomela	talis)	51.5	Life_ 24	Method OP	Tonnes 209 Mt		Grade 64.4 %Fe
Sishen		51.5	17	OP OP	686 Mt		65.2 %Fe
Thabazimbi		51.5	6	OP	7 Mt		62.9 %Fe
madazimbi		01.0		01	7 1010		02.3 701 C
(See page 36 for de		Attributable %	Mine Life	Mining Method	Total Saleable Tonnes <sup>(2)</sup>		Grade
Serra do Sapo	Friable Itabirite and He	matite 100	27	OP	685 Mt		67.5 %Fe
SAMANCOR MAI	NGANESE	Attributable	Mine	Mining	Total ROM		
(See page 38 for det	tails)	%	Life	Method	Tonnes		Grade
GEMCO <sup>(3)</sup>		40.0	14	OP	97.4 Mt		45.0 %Mn
Mamatwan <sup>(4)</sup>		29.6	20	OP	72.8 Mt		37.1 %Mn
Wessels		29.6	45	UG	68.8 Mt		43.0 %Mn
METALLURGICA (See page 49 for det		Attributable %	Mine Life	Mining Method	Total Saleable Tonnes <sup>(5)</sup>		Saleable Quality
Callide	Thermal – Domestic	100	24	OC	239.2 Mt		4,350 kcal/kg
Capcoal (OC)	Metallurgical - Coking	76.8	23	OC	26.7 Mt		7.0 CSN
	Metallurgical - Other				68.7 Mt		6,980 kcal/kg
	Thermal – Export				3.7 Mt		7,050 kcal/kg
Capcoal (UG)	Metallurgical - Coking	70.0	11	UG	39.7 Mt		9.0 CSN
Dawson	Metallurgical - Coking	51.0	35	OC	93.8 Mt		7.5 CSN
	Thermal – Export				221.1 Mt		5,380 kcal/kg
Drayton	Thermal – Export	88.2	2	OC	9.2 Mt		6,630 kcal/kg
Foxleigh	Metallurgical - Other	70.0	3	OC	12.1 Mt		6,810 kcal/kg
Moranbah North	Metallurgical - Coking	88.0	17	UG	97.2 Mt		8.0 CSN
Trend	Metallurgical - Coking	100	10	OC	14.0 Mt		7.0 CSN
	Thermal – Export				0.2 Mt		5,070 kcal/kg
THERMAL COAL		Attributable	Mine	Mining	Total Saleable		
(See page 62 for det		Attributable %	Life	Mining Method	Tonnes <sup>(5)</sup>		Saleable Quality
Cerrejón	Thermal – Export	33.3	19	OC	743.1 Mt		6,170 kcal/kg
Goedehoop	Thermal – Export	100	8	UG & OC	38.3 Mt		6,200 kcal/kg
Greenside	Thermal – Export	100	11	UG	27.5 Mt		6,190 kcal/kg
Isibonelo	Synfuel	100	15	OC	70.5 Mt		4,520 kcal/kg
Kleinkopje	Thermal – Export	100	11	OC	17.4 Mt		6,190 kcal/kg
	Thermal – Domestic				19.6 Mt		4,580 kcal/kg
Kriel	Thermal – Domestic	73.0	13	UG & OC	104.1 Mt		4,580 kcal/kg
Landau	Thermal – Export	100	6	OC	20.2 Mt		6,210 kcal/kg
	Thermal – Domestic				5.9 Mt		4,170 kcal/kg
Mafube	Thermal – Export	50.0	14	OC	30.0 Mt		6,260 kcal/kg
	Thermal – Domestic				23.6 Mt		5,010 kcal/kg
New Denmark	Thermal – Domestic	100	26	UG	112.0 Mt		5,000 kcal/kg
New Vaal	Thermal – Domestic	100	19	00	323.8 Mt		3,560 kcal/kg
Zibulo	Thermal – Export Thermal – Domestic	73.0	18	UG & OC	56.0 Mt		6,100 kcal/kg
	i nermai – Domestic				32.4 Mt		4,900 kcal/kg
COPPER	. ". "	Attributable	Mine	Mining	Total Contained		
(See page 76 for det			Life	Method	Copper	Tonnes	Grade
Collahuasi	Heap Leach	44.0	70	OP	274 kt 20,402 kt	44.1 Mt	0.62 %TCu 0.98 %TCu
	Flotation – direct feed				ŕ	2,074.2 Mt	
El Coldado	Flotation – stockpile	50.1	02	OP	5,219 kt	1,069.2 Mt	0.49 %TCu
El Soldado	Flotation Heap Leach	50.1	23	UF	1,371 kt 14 kt	170.3 Mt 3.0 Mt	0.80 %TCu 0.45 %TCu
Los Bronces	Flotation	50.1	36	OP	9,240 kt	1,509.3 Mt	0.45 %TCu 0.61 %TCu
203 DI OHOGS	Dump Leach	50.1	50	Oi	1,891 kt	607.6 Mt	0.81 %TCu
Mantos Blancos	Flotation	100	8	OP	286 kt	35.6 Mt	0.80 %ICu
antos bialicos	Vat and Heap Leach	100	O	Oi	62 kt	15.4 Mt	0.41 %ASCu
	Dump Leach				84 kt	36.8 Mt	0.41 %ASCu
Mantoverde	Heap Leach	100	5	OP	229 kt	42.3 Mt	0.54 %ASCu
	Dump Leach	100	J	O1	112 kt	44.2 Mt	0.25 %ASCu
	_ 3p =00011			· · · · · · · · · · · · · · · · · · ·	112111	. 1.2 1111	5.25 .0, 100d

# ESTIMATED ORE RESERVES<sup>(1)</sup> (PROVED + PROBABLE)

as at 31 December 2012

Detailed Proved and Probable figures appear on the referenced pages

NICKEL (See page 90 for details)	Attributable %	Mine Life	Mining Method	Total Contained Nickel	Tonnes	Grade
Barro Alto	100	17	OP	754 kt	46.8 Mt	1.61 %Ni
Niquelândia	100	22	OP	66 kt	4.9 Mt	1.34 %Ni
<b>PLATINUM</b> <sup>(6)</sup> (See page 104 for details)	Attributable %	Mine Life	Mining Method	Total Contained PGE	Tonnes	Grade (4E)
Main Sulphide Zone	79.9	n/a	UG	6.5 Moz (4E)	53.7 Mt	3.76 g/t
Merensky Reef			UG	12.5 Moz (4E)	82.3 Mt	4.71 g/t
Platreef			OP	89.1 Moz (4E)	1,008.9 Mt	2.75 g/t
UG2 Reef			UG	69.2 Moz (4E)	518.4 Mt	4.15 g/t
DIAMONDS <sup>(7)</sup> (See page 117 for details)	Attributable %	LOM <sup>(8)</sup>	Mining Method	Saleable Carats		
DBCi – Snap Lake	85.0	18	UG	2.0 M¢		
DBCi - Victor	85.0	6	OP	2.3 M¢		
DBCM – Venetia (OP)	62.9	9	OP	32.8 M¢		
DBCM - Venetia (UG)	62.9	27	UG	70.0 M¢		
Debswana – Damtshaa	42.5	17	OP	4.1 M¢		
Debswana – Jwaneng	42.5	20	OP	88.3 M¢		
Debswana – Letlhakane	42.5	4	OP	0.8 M¢		
Debswana – Orapa	42.5	21	OP	85.7 M¢		
Namdeb – Elizabeth Bay	42.5	7	OC	231 k¢		
Namdeb - Mining Area 1	42.5	7	OC	74 k¢		
Namdeb – Orange River	42.5	7	OC	359 k¢		
Namdeb – Atlantic 1	42.5	15	MM	4,935 k¢		
PHOSPHATE PRODUCTS (See page 128 for details)	Attributable %	Mine Life	Mining Method	Total ROM Tonnes		Grade
Ouvidor	100	40	OP	234.0 Mt		13.4 %P <sub>2</sub> O <sub>5</sub>
NIOBIUM (See page 129 for details)	Attributable %	Mine Life	Mining Method	Total Contained Product	Tonnes	Grade
Boa Vista Oxide	100	4	OP	40 kt	3.9 Mt	1.03 %Nb <sub>2</sub> O <sub>5</sub>
Phosphate Tailings				14 kt	2.0 Mt	0.73 %Nb <sub>2</sub> O <sub>5</sub>

Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only. LOM = Life of Mine (years) is based on scheduled Probable Reserves including Indicated and some Inferred Resources considered for life of mine planning Mining method: OP = Open Pit, UG = Underground, OC = Open Cut, MM = Marine Mining.

Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. Ore Reserve estimates for operations in South Africa were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves, (The SAMREC Code, 2007 Edition as amended July

The figures reported represent 100% of the Ore Reserves, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

- (2) Tonnes are reported on a wet basis. Assays are on a dry basis
- GEMCO Manganese grades are given as per washed ore samples and should be read together with their respective yields.
- Mamatwan tonnages stated as wet metric tonnes.
- Total Saleable Tonnes represents the product tonnes produced quoted as metric tonnes on a Product moisture basis. The coal quality for Coal Reserves is quoted as either Calorific Value (CV) using kilo-calories per kilogram (kcal/kg) units on a Gross As Received (GAR) basis or Crucible Swell Number (CSN). CV is rounded to the nearest 10 kcal/kg and CSN to the nearest 0.5 index. Coal quality parameters for the Coal Reserves for Metallurgical - Coking, Metallurgical - Other and Thermal - Export collieries meet the contractual specifications for Coking Coal, PCI, metallurgical coal, steam coal and domestic coal. Coal quality parameters for the Coal Reserves for Thermal - Domestic and Synfuels collieries meet the specifications of the individual supply contracts

Metallurgical - Coking: High-, medium- or low-volatile semi-soft, soft or hard coking coal primarily for blending and use in the steel industry.

Metallurgical - Other: Semi-soft, soft, hard, semi-hard or anthracite coal, other than Coking Coal, such as pulverized coal injection (PCI) or other general metallurgical coal for the export or domestic market with a wider range of properties than Coking Coal.

Thermal - Export: Low- to high-volatile thermal coal primarily for export in the use of power generation; quality measured by calorific value (CV).

Thermal – Domestic: Low- to high-volatile thermal coal primarily for domestic consumption for power generation. Synfuel: Coal specifically for the domestic production of synthetic fuel and chemicals.

(6) Details of the individual operations appear in the Anglo American Platinum Annual Report.

The figures reported represent 100% of the Ore Reserves attributable to Anglo American Platinum unless otherwise noted.

4E is the sum of Platinum, Palladium, Rhodium and Gold in grammes per tonne (q/t).

(7) DBCi = De Beers Canada, DBCM = De Beers Consolidates Mines, Debswana = Debswana Diamond Company, Namdeb = Namdeb Holdings k = thousand carats. M = million carats.

Reported Diamond Reserves are based on a Bottom Cut Off (BCO) which refers to the bottom screen size aperture and varies between 1.00mm and 3.00mm (nominal square mesh).

(8) LOM is quoted as Diamonds are reported on an inclusive basis.

<sup>(1)</sup> Estimated Total Ore Reserves are the sum of Proved and Probable Ore Reserves (on an exclusive basis, i.e. Mineral Resources are reported as additional to Ore Reserves). Please refer to the detailed Business Units/Commodities Ore Reserve estimates tables for the individual Proved and Probable estimates. The Ore Reserve estimates were compiled in accordance with the Australasian

# **ESTIMATED MINERAL RESOURCES<sup>(1)</sup> (MEASURED + INDICATED)**

as at 31 December 2012

Detailed Measured, Indicated and Inferred figures appear on the referenced pages

KUMBA IRON OF		Attributable	Mining	In-situ		
(See page 35 for de	etails)		Method	Tonnes		Grade
Kolomela		51.5	OP	60.3 Mt		65.0 %Fe
Sishen		51.5	OP	452.4 Mt		60.2 %Fe
Thabazimbi		51.5	OP	10.7 Mt		62.5 %Fe
IRON ORE BRAZ	IL I	Attributable	Mining	In-situ		
(See page 36 for de	etails)	%	Method	Tonnes <sup>(2)</sup>		Grade
Itapanhoacanga	Friable Itabirite and H	lematite 100	-	154.5 Mt		41.1 %Fe
	Compact Itabirite			96.8 Mt		34.3 %Fe
Serra do Sapo	Friable Itabirite and H	lematite 100	OP	385.4 Mt		32.9 %Fe
	Compact Itabirite			2,811.2 Mt		31.1 %Fe
Serro	Friable Itabirite and H	lematite 100		9.5 Mt		63.6 %Fe
SAMANCOR MA		Attributable	Mining	In-situ		
(See page 38 for de	etails)		Method	Tonnes		Grade
GEMCO <sup>(3)</sup>		40.0	OP	107.1 Mt		46.7 %Mn
Mamatwan <sup>(4)</sup>		29.6	OP	116.7 Mt		35.0 %Mn
Wessels		29.6	UG	137.8 Mt		43.8 %Mn
METALLURGICA		Attributable	Mining	In-situ		
(See page 50 for de	etails)		Method	Tonnes <sup>(5)</sup>		Coal Quality
Callide		100	OC	525.7 Mt		4,870 kcal/kg
Capcoal (OC)		76.8	OC	41.7 Mt		7,080 kcal/kg
Capcoal (UG)		70.0	UG	144.3 Mt		6,680 kcal/kg
Dawson		51.0	OC	311.1 Mt		6,660 kcal/kg
Drayton		88.2	OC	11.8 Mt		6,550 kcal/kg
Foxleigh		70.0	00	33.3 Mt		7,110 kcal/kg
Moranbah North		88.0	UG	76.9 Mt		6,640 kcal/kg
Trend		100	OC	21.2 Mt		6,500 kcal/kg
THERMAL COAL		Attributable	Mining	In-situ		
(See page 64 for de	etails)	%	Method	Tonnes <sup>(5)</sup>		Coal Quality
Cerrejón		33.3	OC UG&OC	1,063.6 Mt	<u> </u>	6,440 kcal/kg
Goedehoop Greenside		100	UG	158.8 Mt 19.6 Mt		5,490 kcal/kg 5,590 kcal/kg
Isibonelo		100	OC	16.3 Mt		5,390 kcal/kg
Kleinkopje		100	OC	30.4 Mt		5,250 kcal/kg
Kriel		73.0	UG&OC	18.8 Mt		5,060 kcal/kg
Landau		100	OC	94.8 Mt		4,960 kcal/kg
Mafube		50.0	OC	69.7 Mt		5,150 kcal/kg
Zibulo		73.0	UG&OC	349.0 Mt		4,920 kcal/kg
		7 0.0		0.1010.1111		1,020 NOW/ Ng
COPPER (See pages 78-79 for	or details)	Attributable	Mining Method	Contained Copper	Tonnes	Grade
Collahuasi	Heap Leach	44.0	OP	З kt	0.5 Mt	0.70 %TCu
Januari	Flotation – direct feed		O1	10,856 kt	1,153.6 Mt	0.94 %TCu
	Flotation – stockpile	=		1,263 kt	272.1 Mt	0.46 %TCu
El Soldado	Flotation	50.1	OP	248 kt	32.4 Mt	0.77 %TCu
	Heap Leach	2 3	3.	0 kt	0.0 Mt	0.66 %TCu
Los Bronces	Flotation	50.1	OP	3,972 kt	982.4 Mt	0.40 %TCu
Mantos Blancos	Flotation	100	OP	734 kt	95.0 Mt	0.77 %ICu
	Vat and Heap Leach			67 kt	14.6 Mt	0.46 %ASCu
	Dump Leach			15 kt	8.8 Mt	0.17 %ASCu
Mantoverde	Heap Leach	100	OP	57 kt	11.8 Mt	0.48 %ASCu
NICKEL				0 /		
(See page 90 for de	etails)	Attributable %	Mining Method	Contained Nickel	Tonnes	Grade
Barro Alto	Direct Feed	100	OP	193 kt	14.0 Mt	1.38 %Ni
	Stockpile			85 kt	7.1 Mt	1.19 %Ni
Niquelândia		100	OP	70 kt	5.7 Mt	1.24 %Ni
-			*		·	

# ESTIMATED MINERAL RESOURCES® (MEASURED + INDICATED)

as at 31 December 2012

Detailed Measured, Indicated and Inferred figures appear on the referenced pages

<b>PLATINUM</b> <sup>(6)</sup> (See page 105 for details)	Attributable	Mining	Contained	_	
Main Sulphide Zone	79.9	Method UG	PGE 15.4 Moz (4E)		Grade (4E) 4.21 g/t
Merensky Reef		UG	85.7 Moz (4E)	479.9 Mt	5.55 g/t
Platreef		OP OP	62.8 Moz (4E)	891.8 Mt	2.19 g/t
UG2 Reef		UG	186.8 Moz (4E)	1,131.6 Mt	5.13 g/t
UG2 Reel		UG	100.0 IVIOZ (4E)	1,131.01/11	5.15 g/t
DIAMONDS <sup>(7)</sup>	Attributable	Mining			
(See page 117 for details)	%	Method	Carats	Tonnes/Area	Grade
DBCi – Snap Lake	85.0	UG	4.7 M¢	2.5 Mt	189.27 cpht
DBCi - Victor	85.0	OP	2.5 M¢	12.9 Mt	19.34 cpht
DBCM - Namaqualand	62.9	OC	2.1 M¢	19.3 Mt	10.87 cpht
DBCM - Venetia (OP)	62.9	OP	35.4 M¢	34.2 Mt	103.46 cpht
DBCM - Venetia (UG)	62.9	UG	95.5 M¢	109.9 Mt	86.93 cpht
Debswana – Damtshaa	42.5	OP	6.3 M¢	29.3 Mt	21.46 cpht
Debswana – Jwaneng	42.5	OP	84.3 M¢	70.1 Mt	120.35 cpht
Debswana – Letlhakane	42.5	OP	7.8 M¢	27.4 Mt	28.62 cpht
Debswana – Orapa	42.5	OP	119.1 M¢	167.3 Mt	71.20 cpht
Namdeb – Douglas Bay	42.5	OC	111 k¢	1,502 kt	7.39 cpht
Namdeb – Elizabeth Bay	42.5	OC	548 k¢	4,718 kt	11.62 cpht
Namdeb – Mining Area 1	42.5	OC	178 k¢	17,597 kt	1.01 cpht
Namdeb - Orange River	42.5	OC	544 k¢	109,725 kt	0.50 cpht
Namdeb – Atlantic 1	42.5	MM	10,773 k¢	$114,190  k  m^2$	0.09 cpm <sup>2</sup>
Namdeb – Midwater	42.5	MM	330 k¢	$1,339km^2$	0.25 cpm <sup>2</sup>
PHOSPHATE PRODUCTS (See page 128 for details)	Attributable %	Mining Method	Tonnes		Grade
Ouvidor	100	OP	64.1 Mt		11.9 %P <sub>2</sub> O <sub>5</sub>
NIOBIUM					
(See page 129 for details)	Attributable %	Mining Method	Contained Product	Tonnes	Grade
Boa Vista Oxide	100	OP	42 kt	3.4 Mt	1.22 %Nb <sub>2</sub> O <sub>5</sub>
A					1 0
Amapá (See page 129 for details)	Attributable %	Mining Method	In-situ Tonnes <sup>(2)</sup>		Grade
Amapá Canga	70.0	OP	8.0 Mt		48.7 %Fe
Colluvium		OP	61.6 Mt		38.8 %Fe
Friable Itabirite ar	 nd Hematite	OP	137.7 Mt		41.1 %Fe
Minimum and the drop of the dr			131.1 WIL		41.1 701 6

Mining method: OP = Open Pit, UG = Underground, OC = Open Cut, MM = Marine Mining.

The figures reported represent 100% of the Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

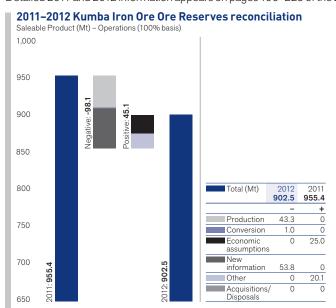
- (2) Tonnes are reported on a wet basis. Assays are on a dry basis.
- (3) GEMCO Manganese grades are given as per washed ore samples and should be read together with their respective yields.
- (4) Mamatwan tonnages stated as wet metric tonnes.
- (6) Coal Resources are quoted on a Mineable Tonnes In-Situ (MTIS) basis in million tonnes which are in addition to those resources which have been modified to produce the reported Coal Resources. Coal Resources are on an in-situ moisture basis. The coal quality for the Coal Resources is quoted on an in-situ heat content as Calorific Value (CV) using kilo-calories per kilogram (kcal/kg) units on a Gross As Received (GAR) basis. CV is rounded to the nearest 10 kcal/kg.
- kilogram (kcal/kg) units on a Gross As Received (GAR) basis. CV is rounded to the nearest 10 kcal/kg.

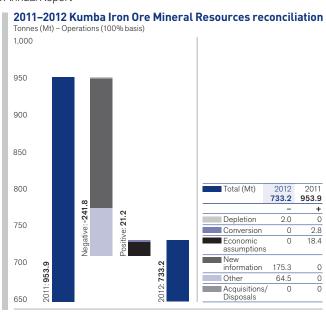
  (b) Details of the individual operations appear in the Anglo American Platinum Annual Report. Merensky Reef and UG2 Reef Mineral Resources are estimated over a practical minimum mining width suitable for the deposit known as the 'Resource Cut'. The minimum mining width over which Mineral Resources are declared is 110cm. The 'Resource Cut' width takes cognisance of the mining method and geotechnical aspects in the hanging wall or footwall of the reef. The figures reported represent 100% of the Ore Reserves attributable to Anglo American Platinum unless otherwise noted.
- 4E is the sum of Platinum, Palladium, Rhodium and Gold in grammes per tonne (g/t).
- (7) DBCi = De Beers Canada, DBCM = De Beers Consolidates Mines, Debswana = Debswana Diamond Company, Namdeb = Namdeb Holdings k¢ = thousand carats. M¢ = million carats. k m² = thousand square metres. Grade is quoted as carats per hundred metric tonnes (cpht) or as carats per square meter (cpm²). Reported Diamond Resources are based on a Bottom Cut Off (BCO) which refers to the bottom screen size aperture and varies between 1.00mm and 3.00mm (nominal square mesh). Diamond Resources are quoted as inclusive of those used to calculate Diamond Reserves and must not be added to the Diamond Reserves.

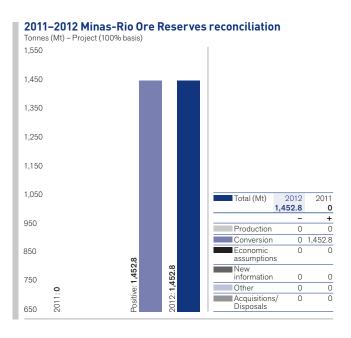
<sup>(1)</sup> Estimated Measured plus Indicated Resources are the sum of the Measured and Indicated Mineral Resources (on an exclusive basis, i.e. Mineral Resources are reported as additional to Ore Reserves). Please refer to the detailed Business Units/Commodities Mineral Resource estimates tables for the individual Measured, Indicated and Inferred estimates. The Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The Mineral Resource estimates for operations in South Africa were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Resources. (The SAMREC Code, 2007 Edition as amended July 2009).

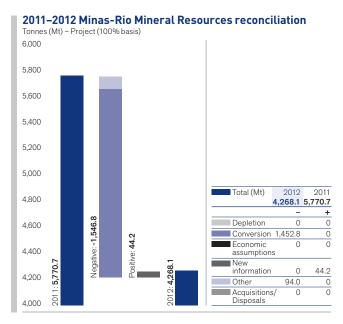
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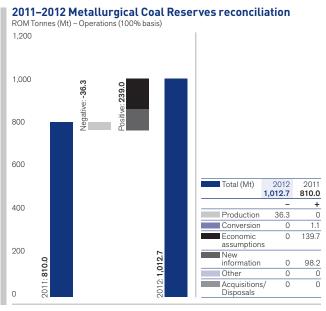
Detailed 2011 and 2012 information appears on pages 196–223 of the 2012 Annual Report

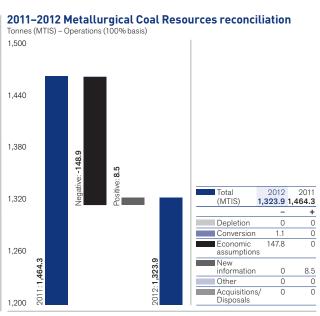






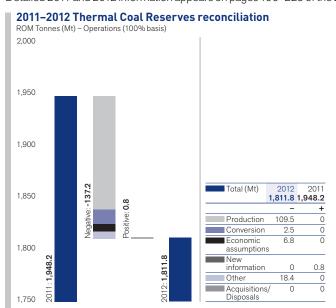


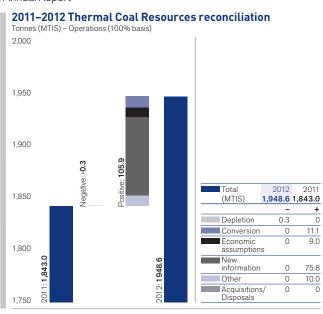


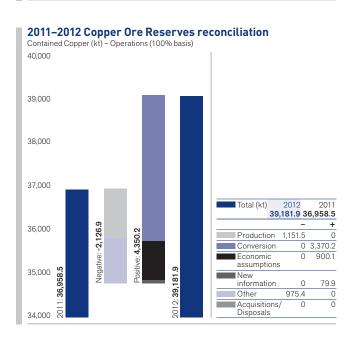


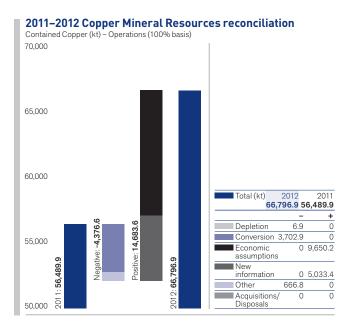
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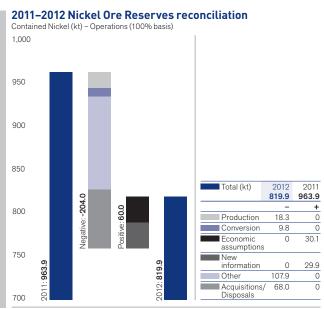
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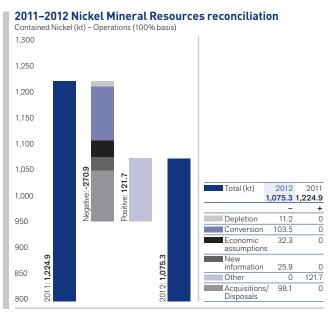






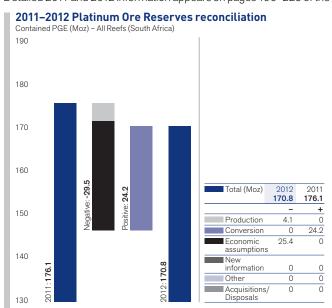


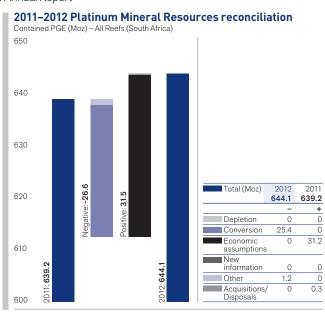


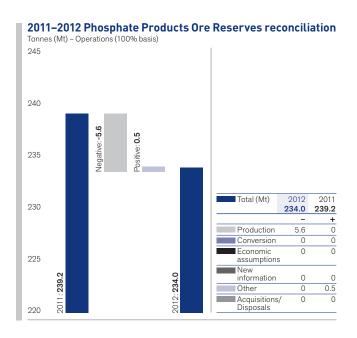


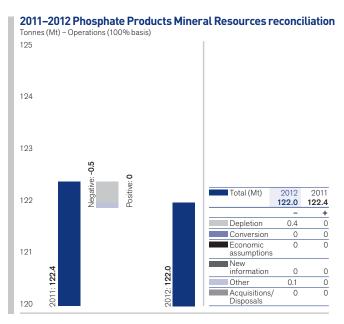
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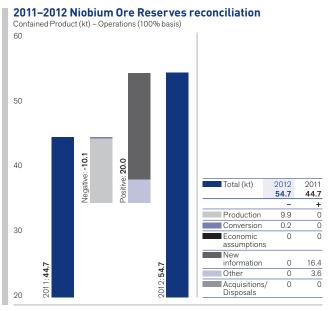
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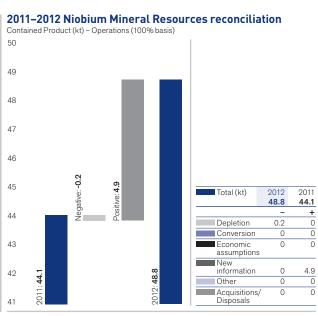












2011-2012

### (1) Ore Reserve and Mineral Resource reconciliation categories

Production* The amount of material (expressed in terms of tonnage or content as applicable) removed by planned mining from the scheduled Ore Rei (from Reserve Model)  Depletion* The amount of material (expressed in terms of tonnage or content as applicable) removed by planned mining from the scheduled Ore Rei (from Reserve Model)  The amount of material (expressed in terms of tonnage or content as applicable) removed by mining from the Mineral Resources i.e. the expressed in terms of tonnage or content as applicable) removed by mining from the Mineral Resources i.e. the expressed during the reporting period which are removed from the resource model/s. Material removed from the 'Inferred in Mine Plan' catering reported as Depletion.  The effect of applying updated 'Modifying Factors' to Ore Reserves and Mineral Resources which include geo-technical, mining, metallum marketing, legal, environmental, social and governmental considerations including infrastructure. Includes changes to the mining metho and/or layout changes e.g. changes in pit slope angles or mineable cut due to geo-technical reasons.  The change can be positive or negative year-on-year.  Sub-Categories:  • Conversion is the process of up-grading Mineral Resources to Ore Reserves based on a change in confidence levels and/or modifying factors.  • Conversion is the process of down-grading of Ore Reserves to Mineral Resources to Mineral Resources to Mineral Resources on Mineral Resources on Mineral Resources to Mineral Resources on Global Depletion is the process of removing material from Ore Reserves and/or Mineral Resources that no longer has reasonable and realistic eventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional reso	
(from Reserve Model)  i.e. the areas actually mined during the reporting period which are removed from the reserve model/s.  The amount of material (expressed in terms of tonnage or content as applicable) removed by mining from the Mineral Resources i.e. the amined during the reporting period which are removed from the resource model/s. Material removed from the Mineral Resources i.e. the amined during the reporting period which are removed from the resource model/s. Material removed from the Mineral Resources i.e. the amined during the reporting period which are removed from the resource model/s. Material removed from the Mineral Resources in the Mineral Resources which include geo-technical, mining, metallumarketing, legal, environmental, social and governmental considerations including infrastructure. Includes changes to the mining metho and/or layout changes e.g., changes in pit slope angles or mineable cut due to geo-technical reasons.  The change can be positive or negative year-on-year.  Sub-Categories:  • Conversion is the process of up-grading Mineral Resources to Ore Reserves based on a change in confidence levels and/or modifying factors.  • Sterilisation is the process of down-grading of Ore Reserves to Mineral Resources to Preserve and/or Mineral Resources to Mineral Resources	
(from Resource Model)  mined during the reporting period which are removed from the resource model/s. Material removed from the 'Inferred in Mine Plan' caterier reported as Depletion.  The effect of applying updated 'Modifying Factors' to Ore Reserves and Mineral Resources which include geo-technical, mining, metallumarketing, legal, environmental, social and governmental considerations including infrastructure. Includes changes to the mining metho and/or layout changes e.g. changes in pit slope angles or mineable cut due to geo-technical reasons.  The change can be positive or negative year-on-year.  Sub-Categories:  • Conversion is the process of up-grading Mineral Resources to Ore Reserves based on a change in confidence levels and/or modifying factors.  • Sterilisation is the process of removing material from Ore Reserves and/or Mineral Resources to Mineral Resources to Mineralised Inventory based confidence levels and/or modifying factors.  • Sterilisation is the process of removing material from Ore Reserves and/or Mineral Resources that no longer has reasonable and realistic eventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (factorial) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estim Includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (ge orebody has been refined or internal mine/lease boundaries changed e.g. based on mag	serves
marketing, legal, environmental, social and governmental considerations including infrastructure. Includes changes to the mining metho and/or layout changes e.g. changes in pit slope angles or mineable cut due to geo-technical reasons.  The change can be positive or negative year-on-year.  Sub-Categories:  • Conversion is the process of up-grading Mineral Resources to Ore Reserves based on a change in confidence levels and/or modifying factors.  • Re-allocation is the process of down-grading of Ore Reserves to Mineral Resources or Mineral Resources to Mineral Resources to Mineral Resources to Mineral Resources to Mineral Resources or fidence levels and/or modifying factors.  • Sterilisation is the process of removing material from Ore Reserves and/or Mineral Resources that no longer has reasonable and realistic eventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (fact grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estimal includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on mage orebody has been refined or internal mine/lease boundaries changed e.g. based on mage orebody has been refined or internal mine/lease boundaries changed e.g. based on mage orebody has been refined or internal mine/lease boundaries changed e.g. based on mage orebody has been	
Conversion is the process of up-grading Mineral Resources to Ore Reserves based on a change in confidence levels and/or modifying factors.  Re-allocation is the process of down-grading of Ore Reserves to Mineral Resources or Mineral Resources to the service ventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (facting grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estimal includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on magnetation or the product of the produc	
Re-allocation is the process of down-grading of Ore Reserves to Mineral Resources or Mineral Resources to Mineral Resources that no longer has reasonable and realistic eventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (fact grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estim Includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on magnetic probability.	
confidence levels and/or modifying factors.  Sterilisation is the process of removing material from Ore Reserves and/or Mineral Resources that no longer has reasonable and realistic eventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (fact grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estim Includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on mag	ctors.
eventual economic extraction.  Economic Assumptions  The effect of assumptions based on the current or future price of a commodity and exchange rate estimates as determined by the corpor (Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (fact grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estimulculudes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on magnetic and the composition of the comp	on a change in
(Global Assumptions) which has a direct impact on the Mineral Resources or Ore Reserves particularly the cut-off grade (which can be at changes in costs).  New Information  The effect of additional resource definition information (with QA/QC information) which initiates an update to the geological models (fact grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estimal includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on magnetic description of the control of the control of the control of the cut-off grade (which can be at changes in costs).	prospects for
grade, geo-technical) and results in an updated (re-classified) resource model and subsequent determination of new Ore Reserve estimated includes ore bodies (or portions of current orebodies) within the same project/operation not previously reported.  Other  Model Refinement  No additional resource definition drilling has been undertaken but the interpretation (georebody has been refined or internal mine/lease boundaries changed e.g. based on mag	
orebody has been refined or internal mine/lease boundaries changed e.g. based on map	
information obtained during mining or a different structural model being applied. Chang tonnages as a result of new geological losses being applied or a change to the definition boundary of the Mineral Resources due to an updated 'economically mineable cut' being	oping es to in-situ of the
Methodology Only valid for changes in the estimation or classification methodologies applied to the re evaluation i.e. no new information available or model refinement taken place.	source model
Transfer Movement of Mineral Resources and/or Ore Reserves from one type of product/ore typ from one mining/project area to another.	e to another or
Stockpiles Changes to stockpiles.	
New Technology Changes to Mineral Resources or Ore Reserves in response to the application of new or mining and/or processing methods.	improved
Reconciliation Adjustment Changes which cannot be allocated to a defined category or an adjustment necessary to inaccurate production/depletion estimates of the previous year.*	mitigate
Acquisitions Additional Mineral Resources and Ore Reserves due to acquisitions of assets or increased attributable interests in JV agreements/assoc	iate companies.
Disposals  Reduction in Mineral Resources and Ore Reserves due to disposals of assets or reduced attributable interests in JV agreements/associa refusal/withdrawal of Mining/Prospecting Rights or related permits e.g. due to environmental issues, changes in policy.	te companies,
Closing Balance as at 31 December – current reporting year	

<sup>\*</sup>The Production/Depletion figures may be estimated for these last three months of the reporting period based on the monthly average of the previous nine months.

(2) Ore Reserves: Includes Proved and Probable
Mineral Resources: Includes Measured, Indicated and Inferred [for Coal only Inferred (in LOM Plan) is considered]

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

 $Rounding \ of \ figures \ may \ cause \ computational \ discrepancies.$ 

# **DEFINITIONS**

#### **ORE RESERVES**

An 'Ore Reserve' is the economically mineable part of a Measured and/or Indicated Mineral Resource. It includes diluting materials and allowances for losses, which may occur when the material is mined. Appropriate assessments and studies have been carried out, and include consideration of and modification by realistically assumed mining, metallurgical, economic, marketing, legal, environmental, social and governmental factors. These assessments demonstrate at the time of reporting that extraction could reasonably be justified. Ore Reserves are sub-divided in order of increasing confidence into Probable Ore Reserves and Proved Ore Reserves.

A 'Proved Ore Reserve' is the economically mineable part of a Measured Mineral Resource. It includes diluting materials and allowances for losses which may occur when the material is mined. Appropriate assessments and studies have been carried out, and include consideration of and modification by realistically assumed mining, metallurgical, economic, marketing, legal, environmental, social and governmental factors. These assessments demonstrate at the time of reporting that extraction could reasonably be justified.

A 'Probable Ore Reserve' is the economically mineable part of an Indicated, and in some circumstances, a Measured Mineral Resource. It includes diluting materials and allowances for losses which may occur when the material is mined. Appropriate assessments and studies have been carried out, and include consideration of and modification by realistically assumed mining, metallurgical, economic, marketing, legal, environmental, social and governmental factors. These assessments demonstrate at the time of reporting that extraction could reasonably be justified.

#### MINERAL RESOURCES

A 'Mineral Resource' is a concentration or occurrence of material of intrinsic economic interest in or on the Earth's crust in such form, quality and quantity that there are reasonable prospects for eventual economic extraction. The location, quantity, grade, geological characteristics and continuity of a Mineral Resource are known, estimated or interpreted from specific geological evidence and knowledge. Mineral Resources are sub-divided, in order of increasing geological confidence, into Inferred, Indicated and Measured categories.

A 'Measured Mineral Resource' is that part of a Mineral Resource for which tonnage, densities, shape, physical characteristics, grade and mineral content can be estimated with a high level of confidence. It is based on detailed and reliable exploration, sampling and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes. The locations are spaced closely enough to confirm geological and grade continuity.

An 'Indicated Mineral Resource' is that part of a Mineral Resource for which tonnage, densities, shape, physical characteristics, grade and mineral content can be estimated with a reasonable level of confidence. It is based on exploration, sampling and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes. The locations are too widely or inappropriately spaced to confirm geological and/or grade continuity but are spaced closely enough for continuity to be assumed.

An 'Inferred Mineral Resource' is that part of a Mineral Resource for which tonnage, grade and mineral content can be estimated with a low level of confidence. It is inferred from geological evidence and assumed but not verified geological and/or grade continuity. It is based on information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes which may be limited or of uncertain quality and reliability.

## **COMMON TERMINOLOGY**

### Deposit

A deposit is a concentration (or occurrence) of material of possible economic interest, in or on the earth's crust, that may include mineralized material that cannot be estimated with sufficient confidence to be classified in the Inferred category. Portions of a deposit that do not have reasonable and realistic prospects for eventual economic extraction are not included in a Mineral Resource.

### Grade

The relative quantity, percentage or quality, of a metal or mineral/diamond content estimated to be contained within a deposit.

# Cut-off (grade)

A grade (see grade units) above which the Mineral Resource or Ore Reserve is reported as being potentially economic.

# Run of Mine (ROM)

The mined material delivered from the mine to the processing plant is called run-of-mine, or ROM. This is the raw unprocessed mineralised material and includes mineralised rock and varying amounts of internal and external contamination (either unmineralised rock or mineralised material below the cut-off grade). Contamination is usually introduced by the mining process to ensure all the mineralised material is mined or to provide a minimum mining height. ROM material can have highly variable moisture content and maximum particle size.

# Inferred (in LOM Plan)/Inferred (ex. LOM Plan)

Inferred (in LOM Plan): Inferred Resources within the scheduled Life of Mine Plan (LOM Plan).

Inferred (ex. LOM Plan): The portion of Inferred Resources with reasonable prospects for eventual economic extraction not considered in the Life of Mine Plan (LOM Plan).

### Mine Life

The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only.

This is the current view of the period of production based on current Ore Reserve tonnes and average annual planned production rate.

### Life of Mine Plan

A design and costing study of an existing operation in which appropriate assessments have been made of realistically assumed geological, mining, metallurgical, economic, marketing, legal, environmental, social, governmental, engineering, operational and all other modifying factors, which are considered in sufficient detail to demonstrate at the time of reporting that extraction is reasonably justified.

# **GLOSSARY**

### **MASS UNITS**

carat is a unit of mass equal to 0.2g

kt: kilotonne; metric system unit of mass equal to 1,000 metric tonnes

Moz: million troy ounces (a kilogram is equal to 32.1507 ounces; a troy ounce is equal to 31.1035 grams)

Mt: million tonnes, metric system unit of mass equal to 1,000 kilotonnes

MTIS: Mineable Tonnage In-Situ; quoted in million tonnes

mtpa: million tonnes per annum

**Tonnes:** metric system unit of mass equal to 1,000 kilograms

# GRADE UNITS (expressed on a moisture-free basis)

ASCu: Acid soluble copper (%)

Au: Gold (g/t)

**cpht:** carats per hundred metric tonnes

**cpm<sup>2</sup>:** carats per square metre

**CSN:** Crucible Swell Number (CSN is rounded to the nearest 0.5 index)

CuEq: Copper equivalent based on long term metal prices taking into consideration the recovery of Copper, Gold and Molybdenum (%)

CV: Calorific Value (CV is rounded to the nearest 10 kcal/kg)

ICu: Insoluble copper, total copper less acid soluble copper (%)

kcal/kg:kilocalories per kilogramg/t:grams per tonnek¢:Thousand caratsM¢:Million caratsTCu:Total Copper (%)

**4E PGE:** The sum of Platinum, Palladium, Rhodium and Gold grades in grammes per tonne (g/t)

**3E PGE:** The sum of Platinum, Palladium and Gold grades in grammes per tonne (g/t)

% Cu: weight percent Copper
 % Fe: weight percent Iron
 % Mn: weight percent Manganese
 % Mo: weight percent Molybdenum
 % Ni: weight percent Nickel

% Nb<sub>2</sub>O<sub>5</sub>: weight percent Niobium pentoxide
 % P<sub>2</sub>O<sub>5</sub>: weight percent Phosphorus pentoxide

# MINING TERMINOLOGY

MM: Marine Mining – Mining diamonds deposited on the continental shelf using mining vessels equipped with specialised underwater mining tools

such as suction drills and crawlers.

OC: Open Cut – A surface mining method performed on orebodies with shallow-dipping tabular geometries.

OP: Open Pit - A surface mining method in which both ore and waste are removed during the excavation of a pit. The pit geometry is related to the

orebody shape, but tends to have a conical form, closing with depth.

UG: Underground – A class of subsurface mining methods, where the ore is accessed either through a vertical shaft or decline. Ore and waste are

moved within subsurface excavations, which may be located on several different elevations. The nature of the underground excavations is

dependent on the geometry and size of the mineralisation.

# PROCESSING TERMINOLOGY

Vat Leach:

Dump Leach: A process similar to Heap Leaching, but usually applied to lower grade material. Rather than constructing a heap of material with a controlled

grain size, the material grain sizes are as mined, similar to the situation found within a waste rock dump. This material is then irrigated with a

leach solution that dissolves the valuable minerals, allowing recovery from the drained leach solution.

Flotation: A process for concentrating minerals based on their surface properties. Finely ground mineral is slurried with water and specific reagents that

increase the water repellent nature of the valuable mineral and agitated with air. The water repellent mineral grains cling to froth bubbles that

concentrate the mineral at the top of the flotation cell, from where it is mechanically removed.

Heap Leach: A process in which mineral-bearing rock is crushed and built into a designed heap. The heap is irrigated with a leach solution that dissolves the

desirable mineral and carries it into a drain system from which solution is pumped and the mineral/elements of interest are recovered.

A process whereby crushed rock containing valuable minerals is placed within vats. The vats are filled with a leach solution and the valuable mineral(s) dissolve. The leach solution is pumped to a recovery circuit and the vats are drained and emptied of the spent ore and recharged.

# **GLOSSARY**

**RESOURCE TYPES** 

Aeolian: Diamond deposits created and enriched during transport of sediment through wind action (aeolian processes) resulting in the

formation of wind blown dunes, ripples and sand sheets within which localised enrichment of diamonds may occur.

Banded Iron Formation: A chemical sedimentary rock consisting of silica and iron oxide. The rock texture is characteristically laminated or banded.

Beaches: Diamond deposits enriched through marine processes and preserved along the marine shoreline within a series of fossil terraces.

Canga: An iron rich rock formed where material weathered from an original iron ore deposit has been cemented by iron minerals.

Carbonatite Complex: A group of overlapping igneous intrusions of alkaline rocks including magmatic carbonate (sövite) rock. These complexes are

frequently host to phosphate, niobium and rare-earth element deposits.

Colluvium: Loose, unconsolidated material that accumulates above the weathering iron ore bodies.

**Deflation:** Diamond deposits enriched through wind driven removal of light particles resulting in concentration of diamonds.

Ferruginous Laterite: An especially iron-rich laterite.

Fluvial Placer: Diamond deposits formed and preserved within fossil sand and gravel terraces located adjacent to contemporary fluvial

(river) systems.

Fresh Rock: Mineable material that has not been significantly modified by surface weathering processes.

Hematite: An iron oxide mineral with the chemical formula Fe<sub>2</sub>O<sub>3</sub>.

Itabirite (Friable/Compact): Itabirite is a banded quartz hematite schist, very similar to banded iron formation in appearance and composition.

Friable Itabirite is extensively weathered leading to disaggregation of the individual mineral grains comprising the rock.

Compact Itabirite, previously known as Hard Itabirite, is the unweathered equivalent.

Kimberlite: A potassic ultrabasic volcanic rock, emplaced as either pipes, dykes or sills, which sometimes contain diamonds.

Laterite: A claylike soil horizon rich in iron and aluminium oxides that formed by weathering of igneous rocks under tropical conditions.

 $\label{eq:magnetite:magnetite:} \textbf{An iron oxide mineral with the chemical formula } \textbf{Fe}_3\textbf{O}_4.$ 

Main Sulphide Zone (MSZ): The Main Sulphide Zone is the principal host of Platinum Group Metals within the Great Dyke of Zimbabwe. The Main Sulphide

Zone is a tabular zone of sulphide-bearing rock within the uppermost P1 Pyroxenite.

Marine: Submerged diamond deposits enriched through fluvial (river), beach and marine reworking processes.

Merensky Reef (MR): One of the three major Platinum Group Metals bearing units within the Bushveld Complex. The Merensky Reef is located within

the Upper Critical Zone of the Bushveld Complex and ranges in width from 0.8m to 4m. The Merensky Reef occurs at the interface between the Merensky Pyroxenite and the underlying anorthosite to norite. The Merensky Reef is characterised by the occurrence of one or more narrow chromitite stringers and frequently includes a coarse-grained pegmatoidal pyroxenite.

Oxide: Oxide ores are those found within close proximity to surface and whose mineralogy is dominated by oxidised species, including

oxides and sulphates. Frequently, silicate minerals have broken down partially or completely to clay-rich species.

Platreef (PR): The Platreef is only present within the Northern Limb of the Bushveld Complex, in the vicinity of Polokwane, South Africa.

The Platreef is a heterogenous unit dominated by felspathic pyroxenite, but including serpentinised pyroxenites and xenoliths of footwall rock. The Platreef dips steeply to the west and ranges in thickness between 60m and 200m. Platinum Group Metal

mineralisation occurs disseminated within the Platreef and in frequent association with base-metal sulphides.

Pocket Beach: Diamond deposits formed due to interactions of ocean (longshore) currents with specific shoreline topographic features that

facilitate the concentration of diamonds.

Porphyry (Copper): Large copper deposits hosted by intermediate felsic rocks. These deposits form close to large-scale subduction zones.

Saprolite: Clay-rich rock formed by decomposition of pre-existing rocks within a surface weathering environment.

Stockpile: Stockpiles resources comprise material that is mined together with the principal ore, but for economic or technical reasons is not

processed. This material is stockpiled in preparation for processing when economic or technical conditions are more favourable.

Sulphide: Sulphide ores contain sulphide minerals that have not been subjected to surface oxidation.

Tailings: Material left over after the process of separating the valuable fraction of the mineralised material from the uneconomic fraction

(gangue) of the run-of-mine. In some cases tailings can be re-treated to extract by-products.

UG2 Reef (UG2): The UG2 Reef is located between 20m and 400m below the Merensky Reef and is the second chromitite unit within the Upper

Group. The UG2 is typically a massive chromitite unit ranging in thickness from 0.6m to 1.2m. The hangingwall of the UG2 is a felspathic pyroxenite unit that may include several narrow chromitite stringers. The footwall of the UG2 is a coarse-grained

pegmatoidal pyroxenite.

**COAL PRODUCTS** 

Metallurgical - Coking: High-, medium- or low-volatile semi-soft, soft or hard coking coal primarily for blending and use in the steel industry; quality

measured as Crucible Swell Number (CSN).

Metallurgical - Other: Semi-soft, soft, hard, semi-hard or anthracite coal, other than Coking Coal, such as pulverized coal injection (PCI) or other

 $general\ metallurgical\ coal\ for\ the\ export\ or\ domestic\ market\ with\ a\ wider\ range\ of\ properties\ than\ Coking\ Coal;\ quality\ measured$ 

by calorific value (CV).

Thermal – Export: Low- to high-volatile thermal coal primarily for export in the use of power generation; quality measured by calorific value (CV).

Thermal – Domestic: Low- to high-volatile thermal coal primarily for domestic consumption for power generation; quality measured by calorific

value (CV)

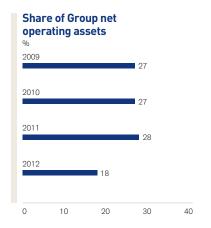
Synfuel: Coal specifically for the domestic production of synthetic fuel and chemicals; quality measured by calorific value (CV).

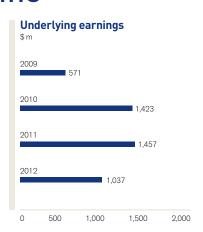
# IRON ORE AND MANGANESE

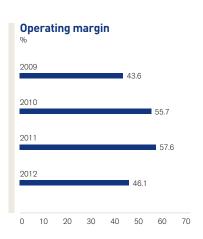
We have a unique iron ore resource footprint with large, high-quality resource bases in South Africa and Brazil.

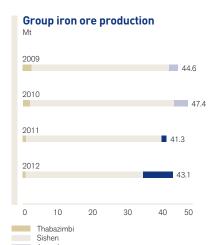
Demand for iron ore globally is largely dependent on the state of the steel industry worldwide and, more specifically, on that of the steel manufacturing sector in China. Global steel consumption is forecast to grow in excess of 4% over the next three years.

# FINANCIAL HIGHLIGHTS<sup>(1)</sup>

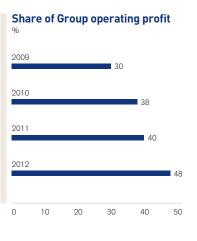








Kolomela



<sup>(1)</sup> In 2012 Amapá has been reclassified from Iron Ore and Manganese to Other Mining and Industrial to align with internal management reporting. 2011 comparatives have been reclassified to align with current presentation.

# FINANCIAL DATA

\$ million	2012	2011	2010	2009
Total turnover	6,403	7,643	6,612	3,419
Of which:				
Kumba Iron Ore	5,572	6,717	5,310	2,816
Iron Ore Brazil	_	-	319	-
Samancor	831	926	983	603
Projects and Corporate	_	-	-	-
EBITDA	3,198	4,586	3,856	1,593
Of which:				
Kumba Iron Ore	3,175	4,640	3,514	1,562
Iron Ore Brazil	(1)	(137)	(73)	(135)
Samancor	153	198	415	166
Projects and Corporate	(129)	(115)	-	-
Depreciation and amortisation	249	186	175	104
Operating profit before special items and remeasurements	2,949	4,400	3,681	1,489
Of which:				
Kumba Iron Ore	2,980	4,491	3,396	1,487
Iron Ore Brazil	(5)	(141)	(97)	(141)
Samancor	103	165	382	143
Projects and Corporate	(129)	(115)	-	_
Operating special items and remeasurements	(5,139)	(79)	356	(1,139)
Operating profit after special items and remeasurements	(2,190)	4,321	4,037	350
Net interest, tax and non-controlling interests	(1,912)	(2,943)	(2,258)	(918)
Underlying earnings	1,037	1,457	1,423	571
Of which:				
Kumba Iron Ore	1,085	1,534	1,210	490
Iron Ore Brazil	(30)	(130)	(77)	(119)
Samancor	83	144	290	200
Projects and Corporate	(101)	(91)	-	-
Net operating assets	9,356	12,427	11,701	10,370
Capital expenditure	2,077	1,659	1,195	1,140

<sup>(1)</sup> In 2012 Amapá has been reclassified from Iron Ore and Manganese to Other Mining and Industrial to align with internal management reporting. 2011 comparatives have been reclassified to align with current presentation.

# BUSINESS OVERVIEW

UNDERLYING OPERATING PROFIT

(2011: \$4,400 m)

**\$2,949** m

SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011:40%)

48%

**UNDERLYING EBITDA** 

(2011: \$4,586 m)

**\$3,198** m

Key financial and non-financial performance indicators		
\$ million (unless otherwise stated) <sup>(t)</sup>	2012	2011
Underlying operating profit	2,949	4,400
Kumba Iron Ore	2,980	4,491
Iron Ore Brazil	(5)	(141)
Samancor	103	165
Projects and Corporate	(129)	(115)
Underlying EBITDA	3,198	4,586
Net operating assets	9,356	12,427
Capital expenditure	2,077	1,659
Share of Group underlying operating profit	48%	40%
Share of Group net operating assets	18%	28%
Non-financial indicators <sup>(2)</sup>	2012	2011
Number of fatal injuries		
Kumba Iron Ore	2	_
Iron Ore Brazil	_	1
Lost-time injury frequency rate		
Kumba Iron Ore	0.10	0.08
Iron Ore Brazil	0.01	0.01
Total energy consumed in 1,000 GJ		
Kumba Iron Ore	7,603	7,045
Iron Ore Brazil	713	2,074
Total greenhouse gas emissions in 1,000 tonnes CO <sub>2</sub> e		
Kumba Iron Ore	945	907
Iron Ore Brazil	49	112
Total water used for primary activities in 1,000 m <sup>3</sup>		
Kumba Iron Ore	8,803	8,179
Iron Ore Brazil	895	5,273

<sup>(1)</sup> In 2012, Amapá was reclassified from Iron Ore and Manganese to Non-core within the Other Mining and Industrial (OMI) segment to align with internal management reporting. Financial comparatives have been reclassified to align with current presentation.

<sup>(2)</sup> In a given year, non-financial data is reported within the business unit that had management control of the operation; therefore non-financial data for Amapá is reported within OMI and Iron Ore Brazil for 2012 and 2011 respectively.

# BUSINESS OVERVIEW continued

Our Iron Ore portfolio is based in South Africa and Brazil. In South Africa, we have a 69.7% (2011: 65.2%) shareholding in Kumba Iron Ore Limited, a leading supplier of seaborne iron ore. Our Brazilian interests comprise of the Minas-Rio project (composed of Iron Ore Brazil's 100% share in Anglo American Minério de Ferro Brasil S.A., and its 49% holding in LLX Minas-Rio, which owns the port of Açu currently under construction, and from which the project's iron ore will be exported).

Kumba, listed on the Johannesburg Stock Exchange, produces a leading quality lump ore and also produces premium fine ore, in a lump-to-fine ratio of 60:40. Kumba operates three mines – Sishen mine in the Northern Cape, which produced 33.7 million tonnes (Mt) of iron ore in 2012; the new Kolomela mine, situated close to Sishen mine, which was brought into production during 2011 and produced 8.5 Mt during 2012; and Thabazimbi mine in Limpopo, with an output of 0.8 Mt.

Export ore is transported via the Sishen/Kolomela-Saldanha iron ore export channel (IOEC) to Saldanha Port. The rail and port operations are owned and operated by the South African parastatal, Transnet Freight Rail (TFR).

Kumba is well positioned to supply the growing Asia-Pacific and Middle East markets and European steel markets. In 2012, the company exported 90% of its total iron ore sales volumes of 44.4 Mt, with 69% of these exports destined for China and the remainder for Europe, Japan, South Korea and India.

Our Minas-Rio iron ore project is located in the states of Minas Gerais and Rio de Janeiro and will include open pit mines and a beneficiation plant in Minas Gerais producing high grade pellet feed. On completion of Phase 1, ore will be transported through a 525 kilometre slurry pipeline to the port of Açu in Rio de Janeiro state.

Our Manganese interests consist of a 40% shareholding in Samancor Holdings, which owns Hotazel Manganese Mines and Metalloys, both in South Africa, and a 40% shareholding in each of the Australianbased operations Groote Eylandt Mining Company (GEMCO) and Tasmanian Electro Metallurgical Company (TEMCO), with BHP Billiton owning 60% and having management control. Samancor is the world's largest producer of manganese ore and is among the top global producers of manganese alloy. Its operations produce a combination of ores and alloys from sites in South Africa and Australia.

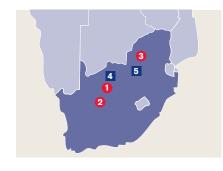
# **OUR IRON ORE AND MANGANESE OPERATIONS**

#### Key Open cut Port П Other

# South Africa

Kumba operates three mines - Sishen in the Northern Cape, which produced 33.7 Mt of iron ore in 2012, Thabazimbi mine in Limpopo, with an output of 0.8 Mt, and Kolomela mine, also in the Northern Cape, produced 8.5 Mt during the year.

Samancor Manganese, which is the world's largest producer of seaborne manganese ore and is among the top three global producers of manganese alloy, is headquartered in South Africa.



- 69.7% Kumba Iron Ore -Sishen mine
- Kumba Iron Ore -69.7% Kolomela mine
- 69.7% Kumba Iron Ore -Thabazimbi mine
- Samancor Manganese 4 40% - Hotazel
- **5** 40% Samancor Manganese - Metalloys

# South America

The Minas-Rio iron ore project is located in the states of Minas Gerais and Rio de Janeiro in Brazil and will include open cut mines and a beneficiation plant in Minas Gerais producing high grade pellet feed. On completion of Phase 1, ore will be transported through a slurry pipeline, over 500 km long to the port of Açu in the state of Rio de Janeiro.



- Minas-Rio (Brazil) 100% **2** 49%
  - LLX Minas-Rio (Brazil)

# **Australia**

The Australian Samancor Manganese operations consist of Groote Eylandt Mining Company (GEMCO), situated off the east coast of the Northern Territory of Australia, and Tasmanian Electro Metallurgical Company (TEMCO), which is based at Bell Bay, approximately 55 km from Launceston, Tasmania.



40% **GEMCO** 40% **TEMCO** 

# INDUSTRY OVERVIEW

Global demand for iron ore is linked primarily to the state of the global steel industry and, more specifically, to the crude steel manufacturing sector in China. The country is the largest steel producer and consumer in the world and accounts for more than two-thirds of global seaborne iron ore imports.

Manganese alloy is a key input into the steelmaking process. Manganese high-grade ore is particularly valuable to alloy producers because it is proportionately more efficient than low-grade ore in the alloying process.

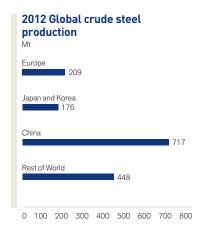
#### **Markets**

Global crude steel production increased by 2% in 2012 to 1,550 Mt (2011: 1,526 Mt). This increase was driven primarily by China, where crude steel output increased by around 3% to 717 Mt (2011: 695 Mt). In the rest of the world, crude steel output was fairly flat at 833 Mt.

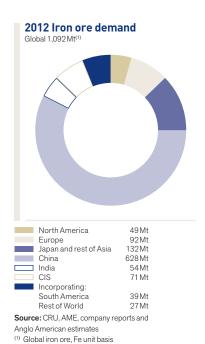
Seaborne iron ore supplies were subject to adverse weather conditions in both Brazil and Australia in the first quarter of 2012, and ongoing Indian supply disruptions following the ban on iron ore mining in Goa. For the year as a whole, seaborne supplies were 0.3% higher, reaching a level of 1,062 Mt.

Considerable price volatility marked 2012, especially during the third quarter when prices fell by as much as 36%, as Chinese steel mills depleted stockpiles and reduced raw material inventory levels to as little as 17 days' worth of production requirements. Iron ore prices reached a high of \$151/t (62% Fe CFR China) in April 2012, but fell to a low of \$89/t in early September, before stabilising at around \$130/t towards the end of the year. The market recovered at the end of 2012, with steel mills returning to the market, which was reflected in a marked increase in index iron ore prices. Overall, index prices averaged \$130/t (CFR 62% Fe Platts) in 2012, 23% lower than the \$169/t average achieved in 2011.

# **MARKET INFORMATION**

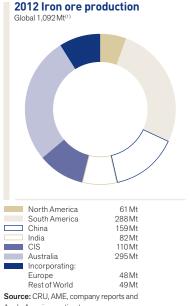


Source: World Steel Association





(1) QAMOM is a pricing mechanism based on average quarter in arrears minus one month.



Anglo American estimates

<sup>(1)</sup> Global iron ore, Fe unit basis

# **STRATEGY**

A key element of Anglo American's strategy is to grow its position in iron ore and to supply premium iron ore products against a background of declining quality global iron ore supplies. We have a unique iron ore resource profile, with extensive, high quality resource bases in South Africa and Brazil.

Kumba seeks to maximise total shareholder value by enhancing the value of its current operations through its asset optimisation programmes, capturing value across the value chain through its commercial and logistics strategies, executing its growth projects efficiently, and ensuring that it has the organisational capability to execute its strategy.

The company plans to grow its business organically in order to achieve production of 70 Mtpa from South Africa and, in the longer term, through expanding its production footprint into other countries in Africa.

Minas-Rio will capture a significant part of the pellet feed market with its premium product featuring high iron content and low contaminants. Phase 1 of the Minas-Rio project will produce 26.5 Mtpa, with potential optimisation to 29.8 Mtpa.

# **Projects**

The components of Kumba's growth include new developments, expansions at existing operations, and growth though technological advances that will allow the processing of lower grade ore.

Kumba is currently studying opportunities to expand Kolomela's production through a beneficiation process, which could add a further 6 Mtpa to its output. The project has progressed to pre-feasibility study and further decisions will be made in due course, depending on prevailing market conditions.

The SEP 1B commenced construction during the year, and is expected to be commissioned in 2013, within the \$48 million capex budget.

The growth portfolio is constantly being reviewed taking into account the macroeconomic environment, the outcome of project studies and the status of the IOEC expansion study.

Construction is under way at the first phase of the 26.5 Mtpa Minas-Rio iron ore project, with optimisation to 29.8 Mtpa. Anglo American announced in December 2012 that all three injunctions that had disrupted the project in the year, contributing to the delay of first ore on ship (FOOS) to the end of 2014, had been lifted.

The primary drivers of the capital expenditure increase from the previous estimate in 2011 relate to:

- The delay in FOOS from late 2013 to late 2014;
- Scope changes, including those agreed as part of the review process and taking into consideration additional land access costs and purchases, increased earth and civil works required following access to various sites along the pipeline and the increased costs of meeting licence conditions;
- Construction inflation costs, including contract adjustments and mining equipment price increases;
- A centrally held risk contingency of \$600 million to accommodate a number of potential factors to achieve the FOOS date of the end of 2014, including the potential for additional price escalation, productivity acceleration and finalisation of the extent of earth and civil works required on land that is yet to be accessed.

Following its approval in 2011, the \$279 million GEEP2 project (Anglo American's 40% share: \$112 million) will increase GEMCO's beneficiated product capacity from 4.2 Mtpa to 4.8 Mtpa through the introduction of a dense media circuit by-pass facility. The project is expected to be completed, on schedule and budget, in late 2013. The expansion will also address infrastructure constraints by increasing road and port capacity to 5.9 Mtpa, creating 1.1 Mtpa of latent capacity for future expansion.

The addition of a \$91 million (on a 100% basis) high carbon ferromanganese furnace at the Metalloys smelter in South Africa will add an additional 130,000 tonnes of capacity per year. Hot commissioning was completed, on schedule, in the fourth quarter of 2012, with full production expected in the second quarter of 2013.

# PROJECT PIPELINE - KEY PROJECTS



# Minas-Rio phase 1

# **Country**

Brazil

# **Ownership**

100%

# **Production volume**

26.5 Mtpa iron ore pellet feed (wet basis)

# **Full project capex**

\$8.8bn(1)

## **First production**

H2 2014

Construction is under way at the first phase of the 26.5 Mtpa Minas-Rio iron ore project, with optimisation to 29.8 Mtpa. Anglo American announced in December 2012 that all three injunctions that had disrupted the project during the year, contributing to the delay of first ore on ship (FOOS) to the end of 2014, had been lifted. During Q1 2013, two further authorisations were released relating to, firstly, the archaeological survey at the tailings dam, and the second related to works necessary for the commencement of pre-stripping at the mine site. Activities at the beneficiation plant, pipeline, filtration plant and port continued as planned.



Overall capex: \$8.8bn(1)

Overall capex: TBD

# Sishen lower grade project (unapproved)

## **Country**

South Africa

### Ownership\*

52%

# Including active production volume

6 Mtpa iron ore

## **Full project capex**

TBD

# **First production**

TBD

Sishen production will be increased by up to 6 Mtpa with the development of Sishen Lower Grade Project. The project will use the additional material available in the definition of the larger optimised pit shell, supplemented by material that became available with the refinement of the Sishen product range. The increased mining activity required to mine the larger pit will in part be utilised by beneficiating the low Fe grade portion of the material resulting in some of the waste being reclassified as ore.



<sup>(1)</sup> Capital expenditure, post acquisition of Anglo American's shareholding in Minas-Rio, includes 100% of the mine and pipeline, and an attributable share of the port.

 $<sup>^{\</sup>star} \ \, \text{Kumba Iron Ore owns 74\% of Sishen, Thabazimbi and Kolomela. Anglo American plc through its 70\% ownership in Kumba effectively owns 52\% of Sishen.}$ 

# **PRODUCTION DATA**

	2012	2011	2010	2009
Kumba Iron Ore <sup>(1)</sup> – tonnes				
Lump	26,580,500	25,445,100	25,922,300	25,300,000
Fines	16,484,600	15,822,500	17,462,600	16,643,000
Total iron ore production for Kumba Iron Ore	43,065,100	41,267,600	43,384,900	41,943,000
Samancor <sup>(2)</sup> – tonnes				
Manganese ore	3,347,800	2,786,600	2,952,800	1,570,000
Manganese alloy <sup>(3)</sup>	198,400	300,500	312,000	129,000

<sup>(1)</sup> Kolomela reached commercial production on 1 December 2011. Costs associated with 984,700 tonnes of production (2010: nil) have been capitalised before commercial production was reached.

<sup>(2)</sup> Saleable production.
(3) Production includes Medium Carbon Ferro Manganese.

# **IRON ORE**

# Ore Reserve and Mineral Resource estimates as at 31 December 2012

### **KUMBA IRON ORE**

The Ore Reserve and Mineral Resource estimates were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2007 Edition as amended July 2009). The figures reported represent 100% of the Ore Reserves and Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Anglo American plc's interest in Kumba Iron Ore Limited is 69.7%. Rounding of figures may cause computational discrepancies.

Kumba Iron Ore Operations		Mine			Tonnes		Grade		Sa	aleable F	roduct
ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011		2012		2011
Kolomela (OP)(1)	51.5	24		Mt	Mt	%Fe	%Fe	Mt	%Fe	Mt	%Fe
Hematite			Proved	107.6	109.7	64.8	64.9	107	64.8	110	65.0
			Probable	102.0	93.7	64.0	64.3	102	64.0	94	64.4
			Total	209.5	203.4	64.4	64.6	209	64.4	203	64.7
Sishen (OP)(2)	51.5	17				%Fe	%Fe				
Hematite			Proved	642.9	525.8	59.4	58.9	485	65.3	393	65.0
			Probable	276.0	458.1	58.8	59.3	201	65.0	351	65.1
			Total	918.9	983.9	59.2	59.1	686	65.2	744	65.0
Thabazimbi (OP)(3)	51.5	6				%Fe	%Fe				
Hematite			Proved	0.4	2.7	61.1	61.4	0	62.9	2	63.2
			Probable	9.0	7.7	60.6	60.4	7	62.9	6	63.0
			Total	9.5	10.4	60.6	60.7	7	62.9	8	63.1

Kumba Iron Ore Operations				Tonnes		Grade
MINERAL RESOURCES	Attributable %	Classification	2012	2011	2012	2011
Kolomela (OP)(4)	51.5		Mt	Mt	%Fe	%Fe
Hematite		Measured	43.3	46.6	64.9	65.0
		Indicated	17.0	16.1	65.2	65.1
		Measured and Indicated	60.3	62.7	65.0	65.0
		Inferred (in LOM Plan)	50.5	45.9	64.2	64.3
		Inferred (ex. LOM Plan)	55.7	53.7	62.8	62.7
		Total Inferred	106.2	99.6	63.5	63.4
Sishen (OP) <sup>(5)</sup>	51.5				%Fe	%Fe
Hematite		Measured	315.1	111.1	61.0	61.3
		Indicated	137.3	274.8	58.4	61.6
		Measured and Indicated	452.4	385.9	60.2	61.5
		Inferred (in LOM Plan)	24.7	173.4	56.0	49.1
		Inferred (ex. LOM Plan)	67.7	217.2	55.0	53.8
		Total Inferred	92.5	390.6	55.3	51.7
Thabazimbi (OP) <sup>(6)</sup>	51.5				%Fe	%Fe
Hematite		Measured	0.2	1.1	62.5	61.1
		Indicated	10.4	7.2	62.5	62.0
		Measured and Indicated	10.7	8.3	62.5	61.9
		Inferred (in LOM Plan)	2.8	3.0	60.7	61.8
		Inferred (ex. LOM Plan)	8.2	3.9	62.8	61.8
		Total Inferred	11.1	6.9	62.3	61.8

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Kumba Iron Ore - Projects				Tonnes		Grade
MINERAL RESOURCÉS	Attributable %	Classification	2012	2011	2012	2011
Zandrivierspoort <sup>(7)</sup>	25.8		Mt	Mt	%Fe	%Fe
Magnetite and Hematite		Measured	132.9	128.5	35.0	34.9
		Indicated	177.9	182.3	34.5	34.5
		Measured and Indicated	310.8	310.8	34.7	34.7
		Inferred	64.5	64.5	34.2	34.2

Mining method: OP = Open Pit. Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only The tonnage is quoted as dry metric tonnes and abbreviated as Mt for million tonnes.

The Mineral Resources are constrained by a resource pit shell, which defines the spatial limits of eventual economic extraction.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

The Phoenix Project is not reported in 2012; the previously declared Mineral Resource are being re-evaluated to consider different beneficiation options and will have to be re-submitted for project

- (1) Kolomela Ore Reserves: Ore Reserves are reported above a cut-off of 42.0 %Fe including dilution. The effect of production is offset by the increase resulting from a life-of-mine plan update. which included a pit optimisation with updated economic assumptions
- Sishen Ore Reserves: Ore Reserves are reported above a cut-off of 40.0 %Fe including dilution. The decrease is primarily due to production and a lower conversion rate of Mineral
- Thabazimbi Ore Reserves: Ore Reserves are reported above a cut-off of 54.6 %Fe including dilution. The decrease is primarily due to production and some Ore Reserves being re-allocated to Inferred Mineral Resources. Kolomela - Mineral Resources: Mineral Resources are reported above a cut-off of 50.0 %Fe. The increase is due to changes in the resource shell as a result of pit a optimisation conducted
- based on updated economic assumptions. Sishen - Mineral Resources: Mineral Resources are reported above a cut-off of 40.0 %Fe. The overall decrease is a result of a geological model update, revised estimation methods combined
- with new borehole information which resulted in a decrease of primarily BIF material.

  Stockpile Resource estimates (Measured: 52.2 Mt at 58.1 %Fe; Indicated: 11.9 Mt at 57.7 %Fe; Inferred: 3.2 Mt at 56.7 %Fe) are excluded from the table.
- Thabazimbi Mineral Resources: Mineral Resources are reported above a cut-off of 55.0 %Fe. The increase is due to changes in the resource shell as a result of updated economic 77 Zandrivierspoort: The Zandrivierspoort Project Mineral Resources are reported above a cut-off of 23.0 %Fe. A minor update to the resource classification was undertaken in 2012.

Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at Kolomela Mine.

## Assumption with respect to Mineral Tenure

In December 2011 judgment was delivered by the High Court regarding the status of the mining rights at the Sishen mine. The High Court held that, upon the conversion of SIOC's old order Mining Right relating to the Sishen mine properties in 2008, SIOC became the exclusive holder of a converted mining right for iron ore and quartzite in respect of the Sishen mine properties. The High Court held further that as a consequence, any decision taken by the Department: Mineral Resources (DMR) after such conversion in 2008 to accept or grant any further rights to iron ore at the Sishen mine properties was void. The High Court reviewed and set aside the decision of the DMR to grant a prospecting right to ICT relating to iron ore as to a 21.4% share in respect of the Sishen mine properties. Both the DMR and Imperial Crown Trading lodged an appeal against the ruling by the High Court, which was heard by the Supreme Court of Appeal (SCA) on 19 February 2013. On 28 March 2013 the SCA dismissed the appeals of both the DMR and ICT. The SCA held that, as a matter of law and as at midnight on 30 April 2009, SIOC became the sole holder of the mining right to iron ore in respect of the Sishen mine.

# **IRON ORE**

# Ore Reserve and Mineral Resource estimates as at 31 December 2012

### **IRON ORE BRAZIL**

The Ore Reserves and Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Ore Reserves and Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

The Minas-Rio project is located in the state of Minas Gerais, Brazil and will include open pit mines and a beneficiation plant producing high-grade pellet feed which will be transported, through a slurry pipeline, over 500km to the Port of Açu in the state of Rio de Janeiro. The project will largely be based on the two main deposits of Serra do Sapo and Itapanhoacanga. Two ore types, Friable and Compact Itabirite, have been identified at Serra do Sapo and Itapanhoacanga. Only the friable material is being considered for Phase 1 of the project. The planned annual capacity of Phase 1 is 26.5 Mtpa of iron ore pellet feed (wet tonnes).

Iron Ore Brazil - Projects		Mine			Tonnes		Grade		Sa	leable P	roduct
ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011		2012		2011
Serra do Sapo (OP)(1)	100	27		Mt	Mt	%Fe	%Fe	Mt	%Fe	Mt	%Fe
Friable Itabirite and Hem	atite		Proved	_	_	_	_	_	-	_	-
			Probable	1,452.8	_	38.8	_	685	67.5	_	_
			Total	1.452.8	_	38.8	_	685	67.5	_	_

ron Ore Brazil – Projects		_		Tonnes		Grade
MINERAL RESOURCES A	ttributable %	Classification	2012	2011	2012	2011
tapanhoacanga <sup>(1)(2)</sup>	100		Mt	Mt	%Fe	%Fe
Friable Itabirite and Hematite	;	Measured	32.3	25.0	40.6	42.5
		Indicated	122.3	219.2	41.3	41.6
		Measured and Indicated	154.5	244.2	41.1	41.7
		Inferred	119.1	74.7	40.9	41.7
Compact Itabirite		Measured	23.2	10.9	33.6	33.2
		Indicated	73.6	95.8	34.5	33.8
		Measured and Indicated	96.8	106.7	34.3	33.7
		Inferred	57.2	43.9	34.5	33.2
Serra do Sapo (OP)(1)(3)	100				%Fe	%Fe
Friable Itabirite and Hematite	;	Measured	148.7	561.3	31.6	35.3
		Indicated	236.7	1,278.5	33.7	38.5
		Measured and Indicated	385.4	1,839.8	32.9	37.5
		Inferred (in LOM Plan)	108.5	· –	38.3	-
		Inferred (ex. LOM Plan)	58.7	165.1	32.9	36.3
		Total Inferred	167.1	165.1	36.4	36.3
Compact Itabirite		Measured	559.9	565.0	31.0	31.0
•		Indicated	2,251.3	2,253.9	31.1	31.1
		Measured and Indicated	2,811.2	2,818.9	31.1	31.1
		Inferred	476.8	477.3	31.1	31.1
Serro <sup>(4)</sup>	100				%Fe	%Fe
Friable Itabirite and Hematite	;	Measured	_	-	_	-
		Indicated	9.5	9.5	63.6	63.6
		Measured and Indicated	9.5	9.5	63.6	63.6
		Inferred	74.2	74.2	35.3	35.3
Compact Itabirite		Measured	_		_	_
•		Indicated	_	-	_	-
		Measured and Indicated	_	-	_	_
		Inferred	308.2	308.2	31.6	31.6

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

 $Mining\ method: OP = Open\ Pit.\ Mine\ Life = The\ extraction\ period\ in\ years\ for\ scheduled\ Ore\ Reserves\ comprising\ Proved\ and\ Probable\ Reserves\ only.$ 

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

 $Audits \ related \ to \ the \ generation \ of \ the \ Ore \ Reserve \ and \ Mineral \ Resource \ estimates \ were \ carried \ out \ by \ independent \ consultants \ during \ 2012 \ at \ Serra \ do \ Sapo.$ 

<sup>(1)</sup> Minas-Rio Project: The cut-off grade used is 25% Fe. Assays are on a dry basis. Tonnages are reported on a wet basis with an average moisture content of 4.2 wt% for Friable ore. Friable Itabirite and Hematite includes Friable Itabirite, Semi-Compact Itabirite, High Alumina Friable Itabirite, Soft Hematite and Canga.

The Minas-Rio Project comprises the following sub-areas: Itapanhoacanga and Serra do Sapo. Execution of this project remains subject to the normal regulatory processes of the Brazilian authorities.

<sup>(2)</sup> Itapanhoacanga: Friable Itabirite and Hematite includes Friable Itabirite, Semi-Compact Itabirite, Soft Hematite and Hard Hematite. The decrease is as a result of the exclusion of the Quartz-X mineral area (Licence No. 832.666\2001) which is partially off-set by an increase due to new information obtained during the year.

<sup>(3)</sup> Serra do Sapo: Friable Itabirite and Hematite includes Friable Itabirite, Semi-Compact Itabirite, High Alumina Friable Itabirite, Soft Hematite and Canga. The Mineral Resources decrease is primarily due to conversion of Mineral Resources to Ore Reserves.

<sup>(4)</sup> Serro: The cut-off grade used is 25% Fe. Friable Itabirite and Hematite includes Friable Itabirite, Semi-Compact Itabirite and Hard Hematite (9.5 Mt @ 63.6% Fe). Tonnages are reported on a wet basis with an average moisture content of 4.7 wt%.

# **MANGANESE**

# Ore Reserve and Mineral Resource estimates as at 31 December 2012

Mine

### **SAMANCOR MANGANESE**

Samancor Manganese - Operations

The Ore Reserve and Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) and The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2007 Edition as amended July 2009) as applicable. The figures reported represent 100% of the Ore Reserves and Mineral Resources (source: BHP Billiton), the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

Tonnes

Grade

Yield

ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011	2012	2011
GEMCO (OP)(1)	40.0	14		Mt	Mt	%Mn	%Mn	%	%
			Proved	72.5	79.4	45.0	46.5	55.1	54.8
			Probable	24.9	25.9	45.0	45.6	55.1	54.2
			Total	97.4	105.3	45.0	46.3	55.1	54.7
Hotazel Manganese Mines	29.6					%Mn	%Mn		
Mamatwan (OP)(2)		20	Proved	41.4	43.9	37.2	37.3		
			Probable	31.4	30.5	37.1	37.1		
			Total	72.8	74.4	37.1	37.2		
Wessels (UG) <sup>(3)</sup>		45	Proved	3.9	4.1	44.8	44.0		
			Probable	64.9	67.7	42.9	43.0		
			Total	68.8	71.8	43.0	43.1		
Samancor Manganese - Oper	rations				Tonnes		Grade		Yield
MINERAL RESOURCES	Attributable %		Classification	2012	2011	2012	2011	2012	2011
GEMCO (OP)(4)	40.0			Mt	Mt	%Mn	%Mn	%	%
			Measured	78.9	87.0	46.9	47.1	47.5	47.4
			Indicated	28.2	28.7	46.0	46.0	47.4	47.6
		Measure	d and Indicated	107.1	115.8	46.7	46.8	47.5	47.4
			Inferred	49.4	49.4	43.9	43.9	47.8	47.8
Hotazel Manganese Mines	29.6					%Mn	%Mn		
Mamatwan (OP)(5)			Measured	62.0	64.8	35.5	35.7		
• •			Indicated	54.7	54.7	34.5	34.5		
		Measure	d and Indicated	116.7	119.5	35.0	35.2		
			Inferred	4.3	4.2	34.5	34.4		
Wessels (UG) <sup>(6)</sup>			Measured	11.4	13.8	45.7	46.0		
			Indicated	126.4	129.5	43.6	44.2		
		Measure	d and Indicated	137.8	143.3	43.8	44.4		
			Inferred	_	_	_	_		
MINERAL RESOURCES INCLUDE O	ORE RESERVES								
Samancor Gabon - Projects					Tonnes		Grade		Yield
MINERAL RESOURCES	Attributable %		Classification	2012	2011	2012	2011	2012	2011
Franceville Project - Benion	<b>mi</b> <sup>(7)</sup> 40.0			Mt	Mt	%Mn	%Mn	%	%
Plaquette Ore			Measured	11.0	11.0	36.1	36.1	72.0	72.0
,			Indicated	6.6	6.6	36.1	36.1	74.4	74.4
				47.5	47.5	00.4	004	70.0	700

		Ionnes		Grade		Yield
Classification	2012	2011	2012	2011	2012	2011
)	Mt	Mt	%Mn	%Mn	%	%
Measured	11.0	11.0	36.1	36.1	72.0	72.0
Indicated	6.6	6.6	36.1	36.1	74.4	74.4
Measured and Indicated	17.5	17.5	36.1	36.1	72.9	72.9
Inferred	2.9	2.9	36.1	36.1	71.8	71.8
Measured	4.1	4.1	24.3	24.3	73.1	73.1
Indicated	2.4	2.4	24.5	24.5	75.1	75.1
Measured and Indicated	6.5	6.5	24.4	24.4	73.8	73.8
Inferred	5.0	5.0	24.2	24.2	68.4	68.4
)			%Mn	%Mn		
Measured	4.6	4.6	36.4	36.4	72.0	72.0
Indicated	0.8	0.8	36.1	36.1	67.8	67.8
Measured and Indicated	5.4	5.4	36.4	36.4	71.4	71.4
Inferred	0.8	0.8	36.8	36.8	69.5	69.5
Measured	2.3	2.3	24.7	24.7	74.0	74.0
Indicated	0.5	0.5	24.1	24.1	70.3	70.3
Measured and Indicated	2.8	2.8	24.6	24.6	73.3	73.3
Inferred	1.8	1.8	25.1	25.1	67.1	67.1
	Measured Indicated Measured and Indicated Inferred Measured and Indicated Inferred Measured Indicated Inferred Measured Indicated Inferred Measured Indicated Measured and Indicated Measured and Indicated Measured Alphabeted Measured Indicated Measured Indicated Measured Indicated Measured and Indicated Measured and Indicated Measured and Indicated	Measured	Measured   Measured	Classification   Classification   Classification   Classification   Classification   Classification   Mt   Mt   96Mm   Measured   11.0   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   36.1   11.0   11.0   36.1   11.0   11.0   36.1   11.0   11.0   11.0   36.1   11.0   11.0   36.1   11.0   11.0   11.0   36.1   11.0   11.	Measured and Indicated   Measured   Measur	Measured   Measured

Mining method: OP = Open Pit, UG = Underground. Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only. Mamatwan tonnages stated as wet metric tonnes. Wessels and GEMCO tonnages stated as dry metric tonnes.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

<sup>(</sup>ii) GEMCO - Ore Reserves: Manganese grades are given as per washed ore samples and should be read together with their respective yields. The change is due to depletion from mining.

<sup>(2)</sup> Mamatwan - Ore Reserves: The change is due to depletion from mining.

Wessels - Ore Reserves: The decrease is mainly due to the re-delineation of the suboutcrop positions of the orebodies, based on new borehole information

<sup>(4)</sup> **GEMCO - Mineral Resources:** The change is due to depletion from mining.

<sup>(6)</sup> Mamatwan – Mineral Resources: A cut-off grade of 35% Mn is used to declare Mineral Resources within the M, C and N Zones at Mamatwan. Mineral Resources have also been declared from the X Zone, using a cut-off of 35% Mn, however, the Top Cut Resources comprising a total of 43.1 Mt are declared above a cut-off of 28% Mn. The change is due to depletion from mining and re-running the geological model.

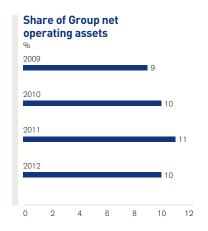
<sup>(6)</sup> Wessels - Mineral Resources: The decrease is mainly due to the re-delineation of the suboutcrop positions of the orebodies, based on new borehole information.

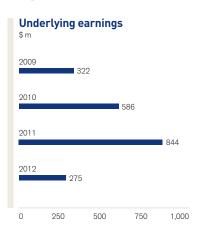
<sup>(7)</sup> Beniomi and Bordeaux: Mn grades are for +0.15mm screen size fraction and should be read together with their respective tonnage yields. The Gabon Mining Concession and Mining Convention remain subject to ongoing negotiation. No Ore Reserves are yet reportable.

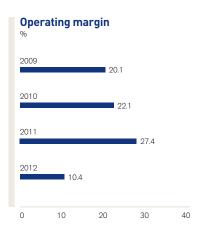
Anglo American is Australia's second largest metallurgical coal producer and third largest global exporter of metallurgical coal.

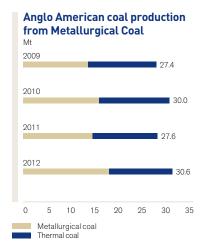
Metallurgical coal, composed of coking coal and PCI coal, is an essential raw material in blast-furnace steel production, which represents approximately 70% of global crude steel output.

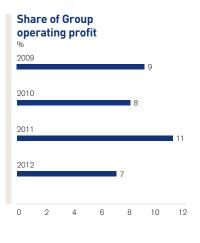
# FINANCIAL HIGHLIGHTS











# FINANCIAL DATA

\$ million	2012	2011	2010	2009
Turnover				
Subsidiaries/Joint Ventures	3,574	3,975	3,264	2,075
Associates	315	372	258	164
Total turnover	3,889	4,347	3,522	2,239
Of which:				
Australia	3,657	4,068	3,377	2,239
Canada	232	279	145	_
Projects and corporate	-	-	-	-
EBITDA	877	1,577	1,134	706
Of which:		,	•	
Australia	940	1,553	1,147	729
Canada	13	85	18	_
Projects and corporate	(76)	(61)	(31)	(23)
Depreciation and amortisation	472	388	354	255
Operating profit before special items and remeasurements	405	1,189	780	451
Of which:	-100	1,100	.00	-101
Australia	519	1,188	814	474
Canada	(38)	62	(3)	_
Projects and corporate	(76)	(61)	(31)	(23)
Operating special items and remeasurements	(365)	-	23	(28)
Operating profit after special items and remeasurements	40	1,189	803	423
Net interest, tax and non-controlling interests	(130)	(345)	(194)	(129)
Underlying earnings	275	844	586	322
Of which:				
Australia	365	850	616	345
Canada	(27)	46	1	_
Projects and corporate	(63)	(52)	(31)	(23)
Net operating assets	5,219	4,692	4,332	3,407
Capital expenditure	1,028	695	235	96
Cupital Experiation	1,020	333	200	30

# **BUSINESS OVERVIEW**

**UNDERLYING OPERATING PROFIT** 

(2011: \$1,189 m)

\$405 m

SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011: 11%)

**7**%

**UNDERLYING EBITDA** 

(2011: \$1,577 m)

**\$877** m

Key financial and non-financial performance indicators								
\$ million (unless otherwise stated)	2012	2011						
Underlying operating profit	405	1,189						
Underlying EBITDA	877	1,577						
Net operating assets	5,219	4,692						
Capital expenditure	1,028	695						
Share of Group underlying operating profit	7%	11%						
Share of Group net operating assets	10%	11%						
Non-financial indicators	2012	2011						
Number of fatal injuries	0	0						
Lost-time injury frequency rate	1.75	2.47						
Total energy consumed in 1,000 GJ	14,787	13,695						
Total greenhouse gas emissions in 1,000 tonnes CO <sub>2</sub> e	3,919	3,629						
Total water used for primary activities in 1,000 m <sup>3</sup>	14,717	14,385						

# BUSINESS OVERVIEW continued

Anglo American is Australia's second largest metallurgical coal producer and third largest global exporter of metallurgical coal.<sup>(1)</sup>

Its coal operations in Australia are based on the east coast, from where the business serves a range of customers throughout Asia and the Indian sub-continent, Europe and South America. Our operation in Canada, Peace River Coal, mainly serves customers in Europe, Japan and South America.

Metallurgical Coal operates six mines in Australia and one metallurgical coal mine, Peace River Coal, in British Colombia, Canada. In Australia there is one wholly owned mine, and five in which Metallurgical Coal has a majority interest. Five of the mines are located in Queensland's Bowen Basin: Moranbah North (metallurgical coal), Capcoal (metallurgical and thermal coal), Foxleigh (metallurgical coal), Dawson (metallurgical and thermal coal) and Callide (thermal coal). Drayton mine (thermal coal) is in the Hunter Valley, New South Wales. All of the mines are in well-established locations and have direct access to rail and port facilities at Dalrymple Bay and Gladstone in Queensland and Newcastle in New South Wales.

Moranbah North (88%) is an underground longwall mining operation with a mining lease covering 100 km². Coal is mined from the Goonyella Middle Seam, approximately 200 metres below the surface. The mine's annual capacity is 4.5 million tonnes (Mt) of hard coking coal for steel manufacturing.

Capcoal (70%) operates two underground mines and an open cut mine. Together, they produced around 6.0 Mt of hard coking, pulverised coal injection (PCI) and thermal coals in 2012.

Dawson (51%) is an open cut operation, with production of 4.6 Mt of coking and thermal coal in 2012.

Foxleigh (70%) is an open cut operation which produced 1.9 Mt of high quality PCI coal in 2012.

Peace River Coal (100%) is an open cut operation in Canada, with an output of 1.4 Mt of metallurgical coal in 2012, an increase of 47% over the prior year.

Metallurgical Coal owns an effective 23% interest in the Jellinbah and Lake Vermont mines in Queensland, producing 2.1 Mt of coking, PCI and thermal coals in 2012.

Metallurgical Coal's resource base (including projects), consisting of Measured, Indicated and Inferred (in LOM) Resources additional to Coal Reserves, totals 3.8 billion tonnes on a 100% basis (2.7 billion tonnes on an attributable basis).

# OUR METALLURGICAL COAL OPERATIONS

# **Key**Open cut☐ Underground

## Open cut and underground

# Australia



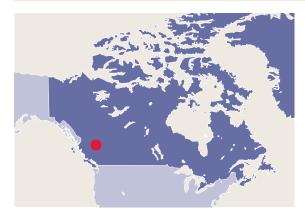
# Thermal

- 100% Callide
- 2 88% Drayton

# Metallurgical

- 3 51% Dawson Complex
  - 70% Foxleigh
- 5 70% German Creek\*
- 6 23% Jellinbah
- 7 88% Moranbah North

# Canada



# Metallurgical

● 100% Peace River Coal\*

<sup>\*</sup> The German Creek operation includes both Capcoal Open Cut and Underground operations.

<sup>\*</sup> Peace River Coal includes Trend Mine and the Roman Mountain and Belcourt Saxon (50%) projects.

# INDUSTRY OVERVIEW

Metallurgical coal, composed of coking coal and PCI coal, is an essential raw material in blast-furnace steel production, which represents approximately 70% of global crude steel output.

Global metallurgical coal supply amounts to approximately 1 billion tonnes per year. China is the biggest consumer of metallurgical coal, with total consumption of approximately 730 Mt<sup>(2)</sup> in 2012. Owing to its large domestic metallurgical coal production, China only needs to import about 7%, or 50 Mt<sup>(3)</sup>, of its total metallurgical coal requirement. This, however, represents a significant portion (20%) of the total global seaborne metallurgical coal market.

In 2012, the international seaborne metallurgical coal market totalled around 250 Mt<sup>(2)</sup>, the major consuming regions being Japan, South Korea, Taiwan, Europe, India, China and Brazil. On average, Australia supplies roughly two-thirds of the seaborne metallurgical coal market.

Historically, annual contract pricing has predominated in the market. A shift to shorter term pricing in 2010–2012 saw the majority of contracts priced on a quarterly basis, with a growing proportion being priced on a monthly basis.

The Queensland State Budget was delivered in September 2012, with a royalty rate increase which equates to a 22% increase on the royalty rate payable per tonne of coal sold for \$200/t or more, with effect from 1 October 2012.

#### **Markets**

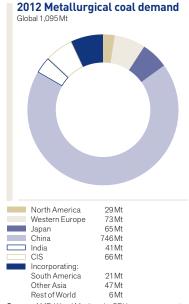
Anglo American weighted average achieved sales prices (\$/tonne)	2012	2011
Export		
metallurgical coal (FOB)	178	251
Export thermal coal (FOB)	96	101
Domestic		
thermal coal	37	35
Attributable sales volumes ('000 tonnes)	2012	2011
Export metallurgical coal	17,413	13,983
Export thermal coal	6,043	6,274
Domestic		
thermal coal	6,921	7,455

Prices for seaborne metallurgical coal dropped sharply in the latter half of the year, resulting in the average 2012 hard coking coal price falling by 27% to \$210/t from the 2011 average hard coking coal benchmark price of \$289/t. Overall supply of metallurgical coal was ahead of 2011 levels, owing to increased exports from the US, while Australian hard coking coal supply remained below 2010 levels.

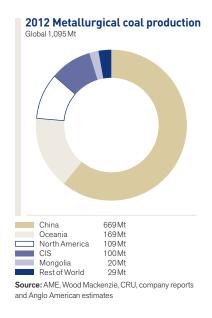
Hard coking coal prices fell, with lower quality PCI and semi-soft prices falling more significantly. The majority of Anglo American's metallurgical coal sales were placed against term contracts with quarterly negotiated price settlements.

Hard coking coal accounted for 67% of Metallurgical Coal's export metallurgical coal sales in 2012.

# MARKET INFORMATION







# **STRATEGY**

Emerging markets, particularly in the Asia-Pacific region, are likely to remain the driving force behind metallurgical coal demand. In light of this, Metallurgical Coal's strategy is to increase the value of the business by optimising existing operations and investing in growth projects in the supply regions best placed to produce the high-margin export metallurgical coals sought by our customers. To implement this strategy:

- A structured programme of asset optimisation has been designed to deliver industry-best operational performance over the existing asset base, targeting longwall performance at the underground operations and key equipment at the open cut mines;
- An attractive organic growth pipeline
  of hard coking coal production to
  satisfy growing market demand,
  including opportunities in Australia
  and Canada. To underpin its
  industry leading growth plans,
  Anglo American has several export
  port options under study in
  Queensland, Australia, and has
  secured port access for the Roman
  Project in Canada;
- In line with demand from the steelmaking industry in both existing and emerging markets, Metallurgical Coal is realising increased value from developing superior specialised product offerings tailored to individual customers in the steel sector.

### **Projects**

Phase 1 of our wholly owned Grosvenor project continues to be developed on schedule. All key permits and licences are in place and engineering and procurement activities are progressing. Construction has commenced on site, with the access road complete and bulk earthworks well under way. Production of longwall coal is forecast to commence in 2016.

Studies for the next phase of our investment programme include Grosvenor Phase 2, a 6 Mtpa second longwall; and Moranbah South, a 12 Mtpa (on a 100% basis), 50%-owned joint venture, comprising two longwalls. Exploration and environmental approval activities to support these projects are in progress. Concept studies are also under way to develop options to further expand our operations in Australia and British Columbia. The Drayton South project is planned to replace export thermal capacity for the Drayton mine in New South Wales.

# PROJECT PIPELINE - KEY PROJECTS

# Grosvenor Phase 1 (approved)

# Country

Australia

## **Ownership**

100%

## **Incremental production**

5.0 Mtpa metallurgical coal

## Full project capex

\$<2bn

### **First production**

2016

In December 2011, the development of the \$1.7 billion, 5 Mtpa Grosvenor Phase 1 metallurgical coal project was approved. The greenfield Grosvenor project is situated immediately to the south of Anglo American's Moranbah North metallurgical coal mine and is expected to produce 5 Mtpa of metallurgical coal from its underground longwall operation over a projected life of 26 years.



Overall capex: \$<2bn

Overall capex: TBD

Overall capex: TBD

Overall capex: TBD

# Grosvenor Phase 2 (unapproved)

## Country

Australia

# Ownership

100%

# **Incremental production**

6.0 Mtpa metallurgical coal

## Full project capex

TBD

### **First production**

TBD

Grosvenor Phase 2, currently at the pre-feasibility stage, will expand on the Grosvenor Phase 1 project by adding a second longwall. Grosvenor Phase 2 is expected to produce 6 Mtpa of metallurgical coal over a projected life of 25 years.



## **Drayton South (unapproved)**

# Country

Australia

# Ownership

88.2%

# Incremental production

4.0 Mtpa thermal coal

# Full project capex

TBD

# First production

TBD

Drayton South will replace mining capacity at Drayton mine, leveraging existing site infrastructure and the coal handling processing plant.



# Moranbah South (unapproved)

# Country

Australia

# Ownership

50%

# Incremental production

12.0 Mtpa metallurgical coal

### **Full project capex**

TBD

### **First production**

TBD

Moranbah South is a potential new mine located in the north Bowen Basin of Queensland and, once commissioned, is expected to produce 12 Mtpa of metallurgical coal from two longwalls.



# PRODUCTION DATA

Production (tonnes)	2012	2011	2010	2009
Metallurgical Coal segment				
Australia				
Export Metallurgical	16,287,400	13,253,400	14,701,800	12,622,600
Thermal	12,970,500	13,426,500	14,460,500	14,051,800
Canada				
Export Metallurgical	1,376,900	936,300	868,000	718,300
Total Metallurgical Coal segment	30,634,800	27,616,200	30,030,300	27,392,700
Australia				
Callide	7,464,000	8,038,700	8,515,600	8,766,400
Capcoal	6,022,400	5,047,900	5,460,300	4,598,900
Dawson	4,593,500	3,904,600	3,584,900	3,756,200
Drayton	3,663,300	3,991,900	4,206,000	3,630,200
Foxleigh	1,896,000	1,417,100	1,665,700	1,595,900
Jellinbah	2,073,200	1,829,600	1,792,500	1,745,800
Moranbah North	3,545,500	2,450,100	3,937,800	2,581,000
Canada				
Peace River Coal	1,376,900	936,300	868,000	718,300
Total	30,634,800	27,616,200	30,030,300	27,392,700

Coal Reserve and Coal Resource estimates as at 31 December 2012

### **METALLURGICAL COAL**

The Coal Reserve and Coal Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Coal Reserves and Coal Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies. Anglo American Metallurgical Coal comprises export metallurgical and thermal coal operations located in Australia and Canada.

Metallurgical Coal – Australi	a Operations	Minn	R	OM Tonnes(3)		Yield <sup>(4)</sup>	Salea	able Tonnes(3)	Sale	able Quality <sup>(5)</sup>
COAL RESERVES®	Attributable %(2)	Mine – Life Classification	2012	2011	2012	2011	2012	2011	2012	2011
Callide (OC)	100	24	Mt	Mt	ROM %	ROM %	Mt	Mt	kcal/kg	kcal/kg
Thermal – Domestic		Proved	192.2	199.9	97.9	98.0	188.2	195.8	4,380	4,380
		Probable	52.0	52.0	98.0	98.0	51.0	51.0	4,250	4,250
(0.0)	70.0	Total	244.2	251.9	97.9	98.0	239.2	246.8	4,350	4,350
Capcoal (OC)	76.8	<u>23</u>	00.0	77.1	100	00.4	1.4.4	100	CSN	CSN
Metallurgical – Coking		Proved	69.9 72.5	77.1 72.5	19.8	20.4	14.4	16.3	7.0	7.0
		Probable <b>Total</b>	142.5	149.5	16.4 <b>18.0</b>	16.4 <b>18.5</b>	12.3 <b>26.7</b>	12.3 <b>28.6</b>	6.5 <b>7.0</b>	6.5 <b>7.0</b>
		IUlai	142.4	149.5	10.0	10.5	20.1	20.0	kcal/kg	kcal/kg
Metallurgical - Other		Proved			46.3	46.3	33.6	37.0	6,970	6,970
g		Probable			46.5	46.5	35.0	35.0	6,990	6,990
		Total			46.4	46.4	68.7	72.1	6,980	6,980
				-					kcal/kg	kcal/kg
Thermal – Export		Proved			2.7	2.8	2.0	2.3	7,070	7,060
		Probable			2.3	2.3	1.7	1.7	7,030	7,030
		Total			2.5	2.6	3.7	4.0	7,050	7,050
Capcoal (UG)	70.0		000	40.0	75.		00.5	0.4.0	CSN	CSN
Metallurgical – Coking		Proved	36.0	40.6	75.1	73.7	28.5	31.6	9.0	9.0
		Probable	14.7 <b>50.7</b>	14.7	72.0 <b>74.2</b>	72.0	11.2	11.2	9.0	9.0
Dawson (OC)	51.0	Total 35	50.7	55.3	74.2	73.2	39.7	42.7	9.0 CSN	9.0 CSN
Metallurgical – Coking	31.0	<u>55</u> Proved	180.7	15.0	24.0	19.9	44.7	3.1	7.5	7.5
otaliargiour Conting		Probable	227.2	149.0	21.0	16.0	49.1	24.5	7.5	7.5
		Total	407.9	163.9	22.4	16.4	93.8	27.5	7.5	7.5
		. • • • • •					- 3.0		kcal/kg	kcal/kg
Thermal – Export		Proved			51.6	65.2	95.8	10.0	5,440	6,500
		Probable			53.6	59.4	125.3	90.9	5,340	6,500
		Total			52.7	59.9	221.1	101.0	5,380	6,500
Drayton (OC)	88.2		7.0		700	75.0	0.0		kcal/kg	kcal/kg
Thermal – Export		Proved	7.9	3.2	76.0	75.3	6.0	2.4	6,650	6,260
		Probable	4.2	19.7	76.0	75.6	3.2	14.9	6,600	6,260
Foxleigh (OC)	70.0	<b>Total</b>	12.0	22.9	76.0	75.6	9.2	17.3	6,630	6,260 kcal/kg
Metallurgical – Other	70.0	<u>5</u> Proved	1.9	4.1	83.0	79.3	1.7	3.5	kcal/kg 6,870	6,940
Wetallurgical Other		Probable	12.6	13.7	77.7	77.2	10.4	11.3	6,800	6,810
		Total	14.5	17.8	78.4	77.7	12.1	14.8	6,810	6,840
Moranbah North (UG)	88.0	17							CSN	CSN
Metallurgical - Coking		Proved	109.5	114.8	76.6	76.4	88.5	92.6	8.0	8.0
		Probable	11.3	11.3	72.7	72.7	8.7	8.7	8.0	8.0
		Total	120.8	126.1	76.2	76.1	97.2	101.3	8.0	8.0
Australia Metallurgical – C	<b>oking</b> 70.6	Б	Mt	Mt	Plant %	Plant %	Mt	Mt	CSN	CSN
		Proved	598.0	454.6	58.4	68.2	176.0	143.5	8.0	8.0
		Probable	394.4	332.8	32.9	35.8	81.3	56.6	7.5 <b>8.0</b>	7.5 <b>8.0</b>
Australia Metallurgical – O	ther 75.8	Total	992.5	787.4	50.3	59.0	257.3	200.1	kcal/kg	kcal/kg
Australia Metallurgical C	75.0	Proved			48.1	49.1	35.3	40.5	6,970	6,970
		Probable			53.7	54.0	45.5	46.3	6,940	6,940
		Total			51.2	51.7	80.8	86.8	6,950	6,960
Australia Thermal - Export	t 52.9			-					kcal/kg	kcal/kg
•		Proved			52.0	57.3	103.8	14.7	5,540	6,550
		Probable			53.5	60.7	130.2	107.5	5,390	6,480
		Total			52.9	60.3	233.9	122.2	5,460	6,480
Australia Thermal – Dome	<b>stic</b> 100				67.0	60.0	4000	4050	kcal/kg	kcal/kg
		Proved			97.9	98.0	188.2	195.8	4,380	4,380
		Probable			98.0	98.0	51.0	51.0	4,250	4,250
		Total			97.9	98.0	239.2	246.8	4,350	4,350
Metallurgical Coal - Canada	Operations	Mine	R	OM Tonnes(3)		Yield <sup>(4)</sup>	Salea	able Tonnes(3)	Sale	able Quality <sup>(5)</sup>
COAL RESERVES(1)	Attributable %(2)	Life Classification	2012	2011	2012	2011	2012	2011	2012	2011
Trend (OC)	100	10	Mt	Mt	ROM %	ROM %	Mt	Mt	CSN	CSN
Metallurgical – Coking		Proved	17.9	20.3	66.3	65.0	12.4	13.9	7.0	7.0
		Probable	2.3	2.3	61.7	61.7	1.5	1.5	7.0	7.0
		Total	20.2	22.6	65.8	64.7	14.0	15.4	7.0	7.0
Thermal – Export		Proved			0.7	0.7	0.1	0.1	kcal/kg 5,070	kcal/kg 5,070
mornia Export		Probable			0.7	1.1	0.0	0.0	5,070	5,070
		Total			0.7	0.7	0.2	0.2	5,070	5,070

Mining method: OC = Open Cut, UG = Underground. Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only. For the multi-product operations, the ROM tonnes apply to each product. The Saleable tonnes cannot be calculated directly from the ROM reserve tonnes using the air dried yields as presented since the difference in moisture content is not taken into account. Attributable percentages for country totals are weighted by Saleable tonnes and should not be directly applied to the ROM tonnes. Footnotes appear at the end of the section.

Metallurgical – Coking refers to a high-, medium- or low-volatile semi-soft, soft or hard coking coal primarily for blending and use in the steel industry; quality measured as Crucible Swell Number (CSN).

Metallurgical – Other refers to semi-soft, soft, hard, semi-hard or anthracite coal, other than Coking Coal, such as pulverized coal injection (PCI) or other general metallurgical coal for the export or domestic market with a wider range of properties than Coking Coal; quality measured by calorific value (CV).

Thermal – Export refers to low- to high-volatile thermal coal primarily for domestic consumption for power generation; quality measured by calorific value (CV).

Coal Reserve and Coal Resource estimates as at 31 December 2012

Metallurgical Coal - Operation	ons	_	R	OM Tonnes(3)		Yield <sup>(4)</sup>	Salea	able Tonnes(3)	Salea	ble Quality <sup>(5)</sup>
	Attributable %(2)	Classification	2012	2011	2012	2011	2012	2011	2012	2011
Metallurgical - Coking	72.1		Mt	Mt	Plant %	Plant %	Mt	Mt	CSN	CSN
		Proved	615.9	474.9	58.9	68.0	188.5	157.4	8.0	8.0
		Probable	396.8	335.1	33.4	36.5	82.8	58.1	7.5	7.5
		Total	1,012.7	810.0	51.1	59.5	271.3	215.5	8.0	8.0
Metallurgical - Other	75.8								kcal/kg	kcal/kg
		Proved			48.1	49.1	35.3	40.5	6,970	6,970
		Probable			53.7	54.0	45.5	46.3	6,940	6,950
		Total			51.2	51.7	80.8	86.8	6,950	6,960
Thermal – Export	52.9								kcal/kg	kcal/kg
		Proved			52.0	56.7	103.9	14.8	5,540	6,530
		Probable			53.5	60.7	130.2	107.6	5,390	6,470
		Total			52.8	60.2	234.1	122.4	5,460	6,480
Thermal – Domestic	100								kcal/kg	kcal/kg
		Proved			97.9	98.0	188.2	195.8	4,380	4,380
		Probable			98.0	98.0	51.0	51.0	4,250	4,250
		Total			97.9	98.0	239.2	246.8	4,350	4,350

Metallurgical Coal - Australia	Operations	_		Tonnes	(	Coal Quality
COAL RESOURCES(6) A	ttributable % <sup>(2)</sup>	Classification	2012	2011	2012	2011
Callide (OC)	100		MTIS <sup>(6)</sup>	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg <sup>(7)</sup>
		Measured	260.7	260.7	4,940	4,940
		Indicated	265.1	265.1	4,810	4,810
		Measured and Indicated	525.7	525.7	4,870	4,870
		Inferred (in LOM Plan) <sup>(8)</sup>	15.3	15.3	4,240	4,240
Capcoal (OC)	76.8	Measured	13.8	13.8	7,080	7,080
		Indicated	27.9	27.9	7,080	7,080
		Measured and Indicated	41.7	41.7	7,080	7,080
		Inferred (in LOM Plan)(8)	36.6	36.6	6,710	6,710
Capcoal (UG)	70.0	Measured	76.3	76.3	6,730	6,730
		Indicated	68.0	68.0	6,620	6,620
		Measured and Indicated	144.3	144.3	6,680	6,680
		Inferred (in LOM Plan) <sup>(8)</sup>	0.3	0.3	6,630	6,630
Dawson (OC)	51.0	Measured	134.2	163.1	6,630	6,670
		Indicated	177.0	278.6	6,680	6,660
		Measured and Indicated	311.1	441.7	6,660	6,660
		Inferred (in LOM Plan) <sup>(8)</sup>	97.1	103.5	6,750	6,870
Drayton (OC)	88.2	Measured	3.7	2.4	6,490	6,870
		Indicated	8.0	12.3	6,580	6,850
		Measured and Indicated	11.8	14.7	6,550	6,850
		Inferred (in LOM Plan) <sup>(8)</sup>	0.0	0.4	5,820	6,050
Foxleigh (OC)	70.0	Measured	17.3	17.3	7,130	7,130
		Indicated	16.1	16.1	7,090	7,090
		Measured and Indicated	33.3	33.3	7,110	7,110
		Inferred (in LOM Plan) <sup>(8)</sup>	7.0	7.0	6,830	6,830
Moranbah North (UG)	88.0	Measured	55.7	55.7	6,670	6,670
		Indicated	21.3	21.3	6,570	6,570
		Measured and Indicated	76.9	76.9	6,640	6,640
		Inferred (in LOM Plan) <sup>(8)</sup>	0.1	0.1	6,980	6,980
Australia – Mine Leases	80.3	Measured	561.6	589.2	5,890	5,940
		Indicated	583.3	689.2	5,850	5,970
		Measured and Indicated	1,144.9	1,278.4	5,870	5,960
		Inferred (in LOM Plan) <sup>(8)</sup>	156.4	163.3	6,500	6,580

COAL RESOURCES ARE REPORTED AS ADDITIONAL TO COAL RESERVES.

Metallurgical Coal - Can	ada Operations			Tonnes	(	Coal Quality
COAL RESOURCES(6)	Attributable % <sup>(2)</sup>	Classification	2012	2011	2012	2011
Trend (OC)	100		MTIS(6)	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg <sup>(7)</sup>
		Measured	15.9	15.9	6,500	6,500
		Indicated	5.3	5.3	6,500	6,500
		Measured and Indicated	21.2	21.2	6,500	6,500
		Inferred (in LOM Plan)(8)	1.4	1.4	6.500	6.500

COAL RESOURCES ARE REPORTED AS ADDITIONAL TO COAL RESERVES.

Metallurgical Coal - Oper	ations			Tonnes		Coal Quality
COAL RESOURCES(6)	Attributable %(2)	Classification	2012	2011	2012	2011
TOTAL	80.6		MTIS(6)	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg <sup>(7)</sup>
		Measured	577.5	605.1	5,910	5,950
		Indicated	588.6	694.5	5,850	5,980
		Measured and Indicated	1,166.1	1,299.6	5,880	5,960
		Inferred (in LOM Plan) <sup>(8)</sup>	157.8	164.7	6,500	6,580

COAL RESOURCES ARE REPORTED AS ADDITIONAL TO COAL RESERVES.

Footnotes appear at the end of the section.

Coal Reserve and Coal Resource estimates as at 31 December 2012

Metallurgical Coal - Austr	alia Projects	Mine		F	ROM Tonnes(3)		Yield <sup>(4)</sup>	Sale	eable Tonnes(3)	Sale	able Quality <sup>(5)</sup>
COAL RESERVES(1)	Attributable %(2)	Life	Classification	2012	2011	2012	2011	2012	2011	2012	2011
Grosvenor	100	21		Mt	Mt	ROM %	ROM %	Mt	Mt	CSN	CSN
Metallurgical - Coking			Proved	76.1	76.1	66.2	66.2	53.2	53.2	8.5	8.5
			Probable	62.6	62.6	65.2	65.2	43.1	43.1	8.0	8.0
			Total	138.7	138.7	65.7	65.7	96.3	96.3	8.5	8.5

Metallurgical Coal – Australia Projects			Tonnes		Coal Quality
COAL RESOURCES(6)(8) Attributable %(2)	Classification	2012	2011	2012	2011
Dartbrook 83.3		MTIS(6)	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg <sup>(7</sup>
	Measured	386.1	386.1	5,720	5,720
	Indicated	24.8	24.8	5,460	5,460
	Measured and Indicated	410.9	410.9	5,700	5,700
Drayton South 88.2	Measured	492.1	405.7	6,240	6,580
	Indicated	189.0	173.4	6,260	6,540
	Measured and Indicated	681.1	579.2	6,250	6,570
Grosvenor 100	Measured	145.1	145.1	6,420	6,420
	Indicated	72.5	72.5	6,550	6,550
	Measured and Indicated	217.6	217.6	6,460	6,460
	Inferred (in LOM Plan) <sup>(8)</sup>	9.5	9.5	6,330	6,330
Moranbah South 50.0	Measured	349.6	191.5	6,180	6,050
	Indicated	302.3	307.1	6,410	6,350
	Measured and Indicated	651.8	498.6	6,290	6,230
Theodore 51.0	Measured	_	-	-	_
	Indicated	258.5	258.5	6,260	6,260
	Measured and Indicated	258.5	258.5	6,260	6,260
Australia - Projects 72.9	Measured	1,372.9	1,128.4	6,100	6,180
	Indicated	847.0	836.3	6,310	6,350
	Measured and Indicated	2,219.9	1,964.7	6,180	6,250
	Inferred (in LOM Plan) <sup>(8)</sup>	9.5	9.5	6,330	6,330

COAL RESOURCES ARE REPORTED AS ADDITIONAL TO COAL RESERVES.

Metallurgical Coal - Cana	nda Projects			Tonnes	(	Coal Quality
COAL RESOURCES(6)(8)	Attributable %(2)	Classification	2012	2011	2012	2011
Belcourt Saxon	50.0		MTIS <sup>(6)</sup>	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg <sup>(7)</sup>
		Measured	166.7	166.7	6,500	6,500
		Indicated	4.3	4.3	6,500	6,500
		Measured and Indicated	171.0	171.0	6,500	6,500
Roman Mountain	100	Measured	30.6	20.0	6,290	6,640
		Indicated	6.4	6.8	6,300	6,660
		Measured and Indicated	37.0	26.7	6,290	6,650
Canada - Projects	58.9	Measured	197.3	186.7	6,470	6,510
		Indicated	10.7	11.0	6,380	6,600
		Measured and Indicated	208.0	197.7	6,460	6,520

Footnotes appear at the end of the section.

# Coal Reserve and Coal Resource estimates as at 31 December 2012

- (1) Coal Reserves are quoted on a Run Of Mine (ROM) reserve tonnes basis, which represents the tonnes delivered to the plant. Saleable reserve tonnes represents the product tonnes produced Coal Reserves (ROM and Saleable) are on the applicable moisture basis
- (2) Attributable (%) refers to 2012 only. For the 2011 Reported and Attributable figures, please refer to the 2011 Annual Report.
- ROM tonnes quoted on an As Delivered moisture basis, and Saleable tonnes on a Product moisture basis.
- Yield ROM % represents the ratio of Saleable reserve tonnes to ROM reserve tonnes and is quoted on a constant moisture basis or on an air dried to air dried basis whereas Plant % is based on the 'Feed to Plant' tonnes. The product yields (ROM %) for Proved, Probable and Total are calculated by dividing the individual Saleable reserves by the total ROM reserves per classification.
- The coal quality for the Coal Reserves is quoted as either Calorific Value (CV) using kilo-calories per kilogram (kcal/kg) units on a Gross As Received (GAR) basis or Crucible Swell Number
- $Coal \ quality \ parameters \ for \ the \ Coal \ Reserves \ for \ Coking, Other \ Metallurgical \ and \ Export \ Thermal \ collieries \ meet \ the \ contractual \ specifications \ for \ coking \ coal, \ PCI, \ metallurgical \ coal, \ steam \ results \ for \ coking \ coal, \ PCI, \ metallurgical \ coal, \ steam \ results \ for \ coking \ coal, \ PCI, \ metallurgical \ coal, \ steam \ results \ for \ coking \ coal, \ PCI, \ metallurgical \ coal, \ steam \ results \ for \ coking \ coal, \ PCI, \ metallurgical \ coal, \ \ pci, \ PCI, \ metallurgical \ coal, \ PCI, \ metallurgical \ co$ coal and domestic coal. Coal quality parameters for the Coal Reserves for Domestic Power and Domestic Synfuels collieries meet the specifications of the individual supply contracts CV is rounded to the nearest 10 kcal/kg and CSN to the nearest 0.5 index.
- Coal Resources are quoted on a Mineable Tonnes In-Situ (MTIS) basis in million tonnes, which are in addition to those resources that have been modified to produce the reported Coal Reserves. Coal Resources are on an in-situ moisture basis
- The coal quality for the Coal Resources is quoted on an in-situ heat content as Calorific Value (CV) using kilo-calories per kilogram (kcal/kg) units on a Gross As Received (GAR) basis. CV is rounded to the nearest 10 kcal/kg.
- (®) Inferred (in LOM Plan) refers to Inferred Coal Resources that are included in the life of mine extraction schedule of the respective collieries and are not reported as Coal Reserves. Inferred Coal Resources outside the Life of Mine Plan but within the mine lease area are not reported due to the uncertainty attached to such resources in that it cannot be assumed that all or part of the Inferred Resource will necessarily be upgraded to Indicated or Measured categories through continued exploration, such Inferred Resources do not necessarily meet the requirements of reasonable prospects for eventual economic extraction, particularly in respect of future mining and processing economics

Jellinbah is not reported as Anglo American's shareholding is below the internal threshold for reporting.

Estimates for the following operations were updated by depletion and new geological models and revised Life of Mine Plans are scheduled for 2013: Callide, Capcoal OC, Capcoal UG, Foxleigh, Moranbah North and Trend

#### Summary of material changes (±10%) in estimates at reporting level

Coal Reserves – The increase is primarily due to the conversion of resources to reserves as a result of additional exploration drilling, a revised mine plan with an extended geographical area and extraction schedule as well as revised economic parameters.

Coal Resources – The decrease is a result of the exploration programme and the subsequent resource model update. The increased resource confidence enabled additional resources to be converted to reserves. The extended geographical area resulted in replacement of Inferred due to the additional drilling.

Drayton: Coal Reserves - Estimates from first principles using a revised mine plan results in a material decrease in reserves due to revised economic assumptions and additional

exploration data.

Coal Resources – The material decrease is due to conversion of Coal Reserves and revised economic assumptions.

Coal Resources – The increase is primarily due to model refinement (combination of plies into working sections for underground and open cut seams) as well as additional **Drayton South:** 

exploration drilling and changes in geotechnical, environmental and resource utilisation considerations.

Coal Resources – The increase is due to additional exploration drilling and changed resource classification methodology to be consistent with Moranbah North and Grosvenor Moranbah South:

**Roman Mountain:** Coal Resources – The increase is due to reinterpretation of the geological model and model refinement.

#### Assumption with respect to Mineral Tenure

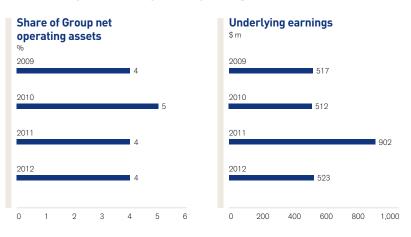
A Mining Lease Application has been lodged for the southern and eastern part of the Boundary Hill area and Metallurgical Coal has reasonable expectation that it will be granted. Mining Lease Applications have been submitted for part of the Plains and Eagles Nest areas, and Metallurgical Coal has reasonable expectation that they will be granted. Foxleigh:

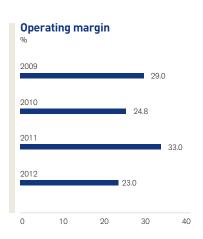
Audits related to the generation of the Coal Resource estimates were carried out by independent consultants during 2012 at the following operations and projects: Capcoal OC, Capcoal UG, Dawson and Foxleigh

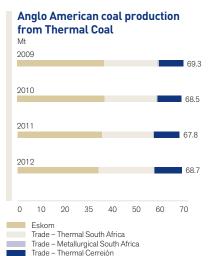
In South Africa, Thermal Coal owns and operates nine mines. In Colombia, we have a one-third shareholding (with BHP Billiton and Xstrata each owning one-third) in Cerrejón, Colombia's biggest thermal coal exporter.

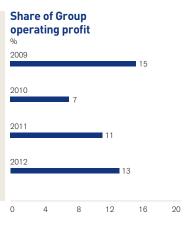
Thermal coal is the most abundant source of fossil fuel energy in the world. Exceeding known reserves of oil and gas, it accounts for more than 40% of electricity generation.

# **FINANCIAL HIGHLIGHTS**









# FINANCIAL DATA

\$ million	2012	2011	2010	2009
Turnover				
Subsidiaries	2,477	2,642	2,105	1,748
Joint ventures	_	-	-	-
Associates	970	1,080	761	742
Total turnover	3,447	3,722	2,866	2,490
Of which:				
South Africa	2,477	2,642	2,105	1,748
South America	970	1,080	761	742
EBITDA	972	1,410	872	875
Of which:				
South Africa	607	906	539	550
South America	412	535	358	352
Projects and corporate	(47)	(31)	(25)	(27)
Depreciation and amortisation	179	180	162	154
Operating profit before special items and remeasurements	793	1,230	710	721
Of which:		•		
South Africa	482	779	426	442
South America	358	482	309	305
Projects and corporate	(47)	(31)	(25)	(26)
Operating special items and remeasurements	1	1	(2)	(6)
Operating profit after special items and remeasurements	794	1,231	708	715
Net interest, tax and non-controlling interests	(270)	(328)	(198)	(204)
•		, ,	. ,	, ,
Underlying earnings	523	902	512	517
Of which:				
South Africa	312	613	314	328
South America	251	318	223	215
Projects and corporate	(40)	(29)	(25)	(26)
Net operating assets	1,965	1,886	2,111	1,707
Capital expenditure	266	190	274	400

# BUSINESS OVERVIEW

# UNDERLYING OPERATING PROFIT

(2011: \$1,230 m)

**\$793** m

# SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011: 11%)

13%

## **UNDERLYING EBITDA**

(2011: \$1,410 m)

**\$972** m

Key financial and non-financial performance indicators		
\$ million (unless otherwise stated)	2012	2011
Underlying operating profit	793	1,230
South Africa	482	779
Colombia	358	482
Projects and corporate	(47)	(31)
Underlying EBITDA	972	1,410
Net operating assets	1,965	1,886
Capital expenditure	266	190
Share of Group underlying operating profit	13%	11%
Share of Group net operating assets	4%	4%
Non-financial indicators	2012	2011
Number of fatal injuries	2	2
Lost-time injury frequency rate	0.20	0.19
Total energy consumed in 1,000 GJ	5,742	5,823
Total greenhouse gas emissions in 1,000 tonnes CO <sub>2</sub> e	1,620	2,583
Total water used for primary activities in 1,000 m <sup>3</sup>	8,525	8,260

Our Thermal Coal business operates in South Africa and Colombia. In South Africa, Thermal Coal wholly owns and operates seven mines. It also has a 73% stake in two mines, Kriel and the Zibulo colliery, a multi-product operation which produces thermal coal for both export and Eskom, the state-owned power utility, with the balance held by Inyosi Coal, a broad-based black economic empowerment entity. In addition, Thermal Coal has a 50% interest in the Mafube colliery and Phola washing plant.

Six of the mines collectively supply 23 million tonnes per annum (Mtpa) of thermal coal to both the export and local markets. New Vaal, New Denmark and Kriel collieries are domestic product operations supplying 29 Mtpa of thermal coal to Eskom. Isibonelo mine produces 5 Mtpa of thermal coal for Sasol Synthetic Fuels, the coal-to-liquids producer, under a 20 year supply contract.

Thermal Coal's South African operations currently route all export thermal coal through the Richards Bay Coal Terminal (RBCT), in which it has a 24.2% shareholding, to customers throughout the Mediterranean-Atlantic and Asia-Pacific regions. Export production volumes are expected to increase in the future owing to yield improvements and increased production of lower calorific value coal.

In Colombia, Anglo American, BHP Billiton and Xstrata each have a one-third shareholding in Cerrejón, the country's largest thermal coal exporter. In 2011, an expansion (P40) was approved to increase this capacity by 8 Mtpa to 40 Mtpa by 2015 (13.3 Mtpa attributable). Cerrejón owns and operates its own rail and deep water port facilities and sells into the export thermal and PCI markets.

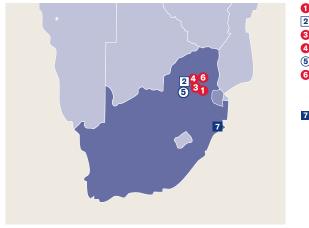
Thermal Coal's attributable Measured and Indicated Resources (including projects) in addition to Coal Reserves totals some 2.6 billion tonnes.

# OUR THERMAL COAL EXPORT OPERATIONS

Map excludes Domestic and Synfuel operations









7 24.2% Richards Bay Coal Terminal

# South America



1 33% Cerrejón (Colombia)

# INDUSTRY OVERVIEW

Thermal coal is the most abundant source of fossil fuel energy in the world. Exceeding known reserves of oil and gas, it accounts for more than 40% of electricity generation. Thermal coal has dominated global energy demand, accounting for 45% of primary energy demand growth from 2011–2012. The near 55% increase in coal demand over the past decade is roughly equivalent to three times US coal consumption on an energy-adjusted basis.

The bulk of coal production is used in power generation; decisions that affect the energy mix of power generation therefore influence coal demand. These include long term industry dynamics for nuclear, gas and renewable power generation and policy decisions on climate/environmental legislation.

In 2012, export seaborne thermal coal accounted for 910 Mt or 17.5% of total coal production, with a large proportion of seaborne production coming from four key basins: Indonesia, Australia, Colombia and South Africa. Demand for seaborne thermal coal has increased by 73.5% since 2001, and is expected to continue to grow for at least the next decade, driven by India and China's import requirements.

Consequently, the key risks to the medium term growth of export seaborne thermal revolve around the ability of India and China to sustain their rates of economic growth, as well as logistical constraints and cost inflation pressures.

In the last few years, the coal industry has seen growth in US exports, particularly to Europe, due to the availability of low priced US natural gas. In 2012, US exports peaked to 55 Mt from 25 Mt in 2010, driving down export coal prices. US power utilities continue to substitute coal with gas-powered generation; however the long term view is that the natural gas price will remain between \$4-6/million British Thermal Unit (mmbtu), at which point most of the coal volumes currently lost to gas should revert to being economically viable.

#### **Markets**

Anglo American weighted average achieved sales prices (\$/tonne)	2012	2011
South Africa export thermal coal (FOB)	92	114
South Africa domestic thermal coal	21	21
Colombia export thermal coal (FOB)	89	101

Attributable sales volumes ('000 tonnes)	2012	2011
South Africa export thermal coal <sup>(1)</sup>	17,151	16,532
South Africa domestic thermal coal <sup>(1) (2)</sup>	40,110	40,454
Colombia export thermal coal	10,926	10,685

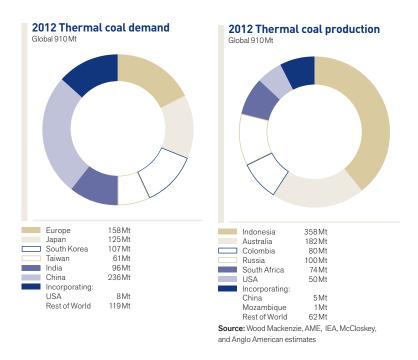
- Includes capitalised sales from Zibulo mine of 1,580,800 (export) and 632,200 (domestic) tonnes for the year ended 31 December 2011.
- (2) Includes domestic metallurgical coal of 91,800 tonnes for the year ended 31 December 2012 (year ended 31 December 2011: 318,000 tonnes).

The international seaborne market experienced an overall decline in prices during the year owing to oversupply. The average API4 index price fell by 20% to \$93/t (2011: \$116/t) and closed the year at \$90/t (2011: \$105/t).

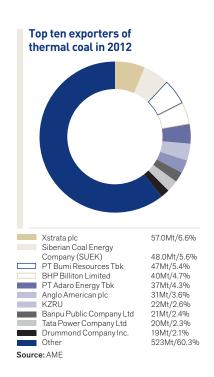
Although international seaborne demand grew by 14% to 910 Mt, it remained below supply growth as a result of unprecedented US export volumes, strong production growth and fewer weather-related supply disruptions from the major supply regions of Indonesia, Australia, Colombia and South Africa. Cheap US natural gas displaced a significant volume of US domestic thermal coal in 2012, as utility companies switched from coal to gas.

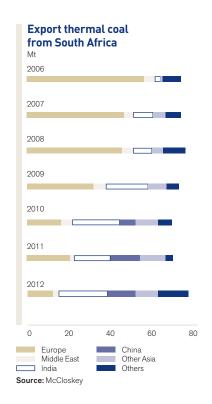
For the South African thermal coal industry, exports into Asia continued to increase, principally driven by India. Asia accounted for 66% of South African thermal coal shipments (2011: 64%). South African thermal coal exports increased by 4% to 68.3 Mt (2011: 65.7 Mt), supported by a more stable performance by TFR and drawdown from stockpiles. TFR railed 68.5 Mt to the RBCT, a 4% increase over 2011.

# MARKET INFORMATION









# **STRATEGY**

The business is focused on being a high margin producer of thermal coal, while maintaining its domestic market commitments.

Thermal coal demand is being driven by emerging markets' economic growth and its reliance on low cost, readily available supply. China and India will constitute the majority of thermal coal growth, with demand likely to exceed domestic thermal coal supply, thereby causing an upswing in seaborne thermal coal markets in future years. In South Africa, demand for new coal supply is increasing and is expected to continue to grow in order to supply Eskom's future coal requirements.

In support of the strategy to maximise the value of its portfolio of operating mines, Thermal Coal's current primary focus is on implementing asset optimisation initiatives such as Project Khulisa, and integrated mine planning (Project EVO). The goal of Khulisa (meaning 'to grow') is to determine the operation's true performance potential and implement programmes to achieve these targets. In 2012, the project identified and pursued a total of 88 initiatives, ranging from operational improvements to changing mind-sets and behaviours. Project Khulisa will continue in 2013.

In addition to assessing the development and growth options in its existing geographies, Thermal Coal is constantly evaluating potential opportunities in new and strategic geographies.

### **Projects**

Feasibility studies on the New Largo project were completed in 2012. There are two stages to the project: Stage 1 comprises a 23 kilometre overland conveyor, which will run from an existing coal processing plant to Eskom's Kusile power station, transporting a secondary product as well as other third-party coal. Stage 2 entails the construction of a new opencast colliery and associated infrastructure. The project is expected to be presented for board approval once all environmental permits have been obtained for both stages of the project and the coal supply and other commercial agreements have been concluded.

The Cerrejón expansion project (P40), to increase the port and logistics chain capacity to handle a total mine output of 40 Mtpa (currently 32 Mtpa), is being implemented and is expected to be delivered on schedule.

# PROJECT PIPELINE - KEY PROJECTS

# Elders multi-product project

# Overall capex: TBD

## Country

South Africa

## **Ownership**

73% Anglo American

## **Production volume**

3.1 Mtpa thermal

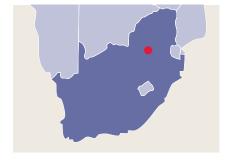
# Full project capex

**TBD** 

## **Full production**

TBD

The previously classified Elders open cut and underground projects have now been combined and are being evaluated as a multi-product underground mine, producing export and a lower grade middlings product.



# New Largo Overall capex: TBD

## Country

South Africa

## Ownership

73% Anglo American

### **Production volume**

11 Mtpa thermal

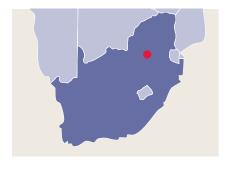
## **Full project capex**

TBD

# Full production

TBD

The New Largo project, currently at feasibility stage, has two main elements: a conveyor which will run from the existing phola processing plant to an Eskom power station and a new opencast mine. Thermal Coal is currently negotiating a coal supply agreement with Eskom for delivery into its Khusile power station. Initial coal is expected in 2016.



# Cerrejón P40 Overall capex: \$<2bn

# Country

Colombia

# Ownership

33% Anglo American

# **Production volume**

8 Mtpa thermal (100%)

# Full project capex

\$<2bn

### **Full production**

2015

P40 project is an expansion of current production from 32 Mtpa to 40 Mtpa at full production. The increase in tonnage will be achieved by systematically eliminating bottlenecks and constraints in the production, processing and transportation of coal. The project was approved by Cerrejón's three shareholders in the third quarter of 2011. First coal is targeted during the fourth quarter of 2013, with the project expected to achieve full production at the end of 2015.



# PRODUCTION DATA

Production (tonnes)	2012	2011	2010	2009
South Africa				
Eskom	33,706,400	35,296,000	36,403,400	36,225,100
Thermal (non-Eskom)	23,351,200	21,388,100	21,612,000(1)	22,185,900(1)
Metallurgical	74,100	323,400	436,500	747,100
South Africa Total	57,131,700	57,007,500	58,451,900 <sup>(1)</sup>	59,158,100 <sup>(1)</sup>
South America <sup>(2)</sup>				
Thermal	11,548,800	10,751,700	10,060,100	10,189,600
Total Thermal Coal segment	68,680,500	67,759,200	68,512,000 <sup>(1)</sup>	69,347,700 <sup>(1)</sup>
South Africa				
Greenside	2,883,200	2,853,100	3,425,000	3,294,600
Goedehoop	4,859,900	5,200,800	6,026,200	6,905,000
Isibonelo	5,399,200	4,338,200	4,569,100	5,061,900
Kriel	8,096,900	8,151,700	9,526,100	11,161,700
Kleinkopje	3,765,500	4,400,600	4,423,600	4,414,000
Landau	4,272,300	4,171,200	4,085,800	4,231,500
New Denmark	3,401,200	4,812,600	5,051,600	3,728,900
New Vaal	17,623,300	17,399,700	17,235,300	17,553,700
Nooitgedacht	_	-	-	475,000
Mafube	1,804,100	2,313,100	2,447,700	2,212,800
Zibulo	5,026,100	3,366,500	1,661,500	119,000
Total	57,131,700	57,007,500	58,451,900 <sup>(1)</sup>	59,158,100 <sup>(1)</sup>
South America				
Carbones Del Cerrejón	11,548,800	10,751,700	10,060,100	10,189,600
Total	11,548,800	10,751,700	10,060,100	10,189,600

<sup>(1)</sup> Zibulo commenced commercial production on 1 October 2011. Revenue and related costs associated with 2,155 kt of production in 2011 have been capitalised before commercial production was reached. The 2,155 kt includes Eskom coal of 633 kt and export thermal coal production of 1,522 kt.

Coal Reserve and Coal Resource estimates as at 31 December 2012

### **THERMAL COAL**

The Coal Reserve and Coal Resource estimates were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves, (The SAMREC Code, 2007 Edition as amended July 2009) and the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as applicable. The figures reported represent 100% of the Coal Reserves and Coal Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies. Anglo American Thermal Coal comprises the dominantly export and domestic thermal coal operations, located in Colombia and South Africa.

Cerrejón (OC) Thermal – Export	33.3	Mine Life 19	Classification	<b>2012</b> Mt	2011	2012	2011	2012	2011	2012	2011
Thermal – Export	33.3	19		NA+							
· 				IVIL	Mt	ROM %	ROM %	Mt	Mt	kcal/kg	kcal/kg
The second Court Africa			Proved	675.0	718.8	96.7	96.8	652.7	695.5	6,180	6,300
Thermal Cook Cook Africa			Probable	93.2	86.0	97.0	96.8	90.4	83.2	6,110	6,240
The second Const. Const. Add.			Total	768.2	804.8	96.7	96.8	743.1	778.7	6,170	6,290
				Б.	ONAT (2)		V. 11(0)	0.1.	I.I. T. (2)	0.1.	11.0 11.6
Thermal Coal – South Afric	a Operation		-		OM Tonnes <sup>(3)</sup>		Yield <sup>(4)</sup>		ble Tonnes(3)		able Quality <sup>(5</sup>
Goedehoop (UG&OC)	butable % <sup>(2)</sup>	Life 8	Classification	<b>2012</b> Mt	2011 Mt	2012 ROM %	2011 ROM %	2012 Mt	2011 Mt	2012 kcal/kg	2011 kcal/kg
Thermal – Export	100		Proved	30.0	37.4	54.9	53.0	16.8	20.2	6,190	6,230
тистим Ехрогі			Probable	40.9	48.6	51.6	51.7	21.5	25.6	6,200	6,210
			Total	70.9	86.0	53.0	52.3	38.3	45.9	6,200	6,220
Greenside (UG)	100	11								kcal/kg	kcal/kg
Thermal – Export			Proved	21.3	25.8	57.4	58.1	12.7	15.5	6,200	6,200
·			Probable	26.4	21.9	54.0	53.9	14.8	12.3	6,190	6,190
			Total	47.7	47.8	55.5	56.2	27.5	27.8	6,190	6,200
Isibonelo (OC)	100	15								kcal/kg	kcal/kg
Synfuel			Proved	70.5	69.9	100	100	70.5	69.9	4,520	4,590
			Probable		_	-	-		_	_	-
Visinismis (CO)	100	4.4	Total	70.5	69.9	100	100	70.5	69.9	4,520	4,590
Kleinkopje (OC)	100	11	D [	FOO	CAE	22.0	25.0	17 /	00.7	kcal/kg	kcal/kg
Thermal – Export			Proved	50.8	64.5	33.2	35.9	17.4	23.7	6,190	6,170
			Probable <b>Total</b>	50.8	12.0 <b>76.4</b>	33.2	45.9 <b>37.5</b>	17.4	5.6 <b>29.3</b>	6,190	6,180 <b>6,170</b>
			Iotal	50.6	70.4	33.2	37.3	17.4	29.5	kcal/kg	kcal/kg
Thermal – Domestic			Proved			38.5	33.8	19.6	21.8	4,580	4,550
mema Bemeene			Probable			-	-	-	-		-,555
			Total			38.5	28.5	19.6	21.8	4,580	4,550
Kriel (UG&OC)	73.0	13								kcal/kg	kcal/kg
Thermal – Domestic			Proved	40.3	46.0	100	100	40.3	46.0	4,830	4,790
			Probable	63.8	67.5	100	100	63.8	67.5	4,430	4,430
			Total	104.1	113.5	100	100	104.1	113.5	4,580	4,580
Landau (OC)	100	6		22.2	22.4	10.1	10.5		17.0	kcal/kg	kcal/kg
Thermal – Export			Proved	29.6	36.4	48.4	48.5	14.5	17.8	6,210	6,240
			Probable	12.1	24.4	46.0	48.5	5.7	11.9	6,210	6,230
	<del></del>		Total	41.7	60.7	47.7	48.5	20.2	29.8	6,210 kcal/kg	6,240 kcal/kg
Thermal – Domestic			Proved			12.3	8.8	3.7	3.2	4,040	4,550
merrial Bemedie			Probable			18.5	7.3	2.3	1.8	4,370	3,970
			Total			14.1	8.2	5.9	5.0	4,170	4,340
Mafube (OC)	50.0	14								kcal/kg	kcal/kg
Thermal – Export			Proved	12.1	24.8	47.5	46.5	5.8	11.6	6,270	6,220
			Probable	70.7	66.6	33.9	33.1	24.2	22.2	6,260	6,210
			Total	82.8	91.3	35.9	36.7	30.0	33.8	6,260	6,210
T						407	07.4	0.4	0.0	kcal/kg	kcal/kg
Thermal – Domestic			Proved			19.7	27.1	2.4	6.8	5,360	5,460
			Probable <b>Total</b>			29.1 <b>27.7</b>	37.3 <b>34.5</b>	21.2 <b>23.6</b>	25.0 <b>31.8</b>	4,970 <b>5,010</b>	5,010
New Denmark (UG)	100	26	IOtal			21.1	34.5	23.0	31.0	kcal/kg	5,110 kcal/kg
Thermal – Domestic	100	20	Proved	30.8	30.2	100	100	30.8	30.2	4,950	4,880
			Probable	81.2	80.9	100	100	81.2	80.9	5,020	5,120
			Total	112.0	111.1	100	100	112.0	111.1	5,000	5,050
New Vaal (OC)	100	19								kcal/kg	kcal/kg
Thermal – Domestic			Proved	348.1	371.8	89.6	93.4	323.8	359.8	3,560	3,490
			Probable	_	-	_	-	_	-	_	-
711 1 (1100000)	70.0	4.0	Total	348.1	371.8	89.6	93.4	323.8	359.8	3,560	3,490
Zibulo (UG&OC)	73.0	18	Б . Г	01.0	00.1	10.1	40.4	45.0	40.0	kcal/kg	kcal/kg
Thermal – Export			Proved	91.3	86.1	49.4	49.4	45.6	43.0	6,100	6,090
			Probable	23.5	28.6	43.9	46.1	10.4	13.3	6,110	6,070
			Total	114.9	114.7	48.3	48.6	56.0	56.3	6,100 kcal/kg	6,090 kcal/kg
Thermal – Domestic			Proved			26.6	29.8	25.1	26.4	4,930	4,820
			Probable			30.4	30.4	7.3	8.9	4,780	4,640
			Total			27.4	29.9	32.4	35.4	4,900	4,770

Footnotes appear at the end of the section.

# Coal Reserve and Coal Resource estimates as at 31 December 2012

Thermal Coal - South Africa	a Operations		F	ROM Tonnes(3)		Yield <sup>(4)</sup>	Sale	able Tonnes(3)	Salea	ble Quality <sup>(5)</sup>
continued		Mine								
COAL RESERVES(1)	Attributable %(2)	Life Classification	2012	2011	2012	2011	2012	2011	2012	2011
South Africa Thermal – Ex	<b>port</b> 84.1		Mt	Mt	Plant %	Plant %	Mt	Mt	kcal/kg	kcal/kg
		Proved	724.9	792.9	52.9	48.2	112.8	131.8	6,160	6,170
		Probable	318.7	350.5	45.6	45.9	76.5	90.9	6,210	6,190
		Total	1,043.6	1,143.3	49.9	47.0	189.3	222.7	6,180	6,180
South Africa Thermal - Do	mestic 92.2								kcal/kg	kcal/kg
		Proved			87.7	86.9	445.7	494.2	3,910	3,850
		Probable			88.2	87.2	175.7	184.1	4,780	4,820
		Total			87.8	86.8	621.4	678.4	4,150	4,110
South Africa Synfuel	100								kcal/kg	kcal/kg
		Proved			100	100	70.5	69.9	4,520	4,590
		Probable			_	-	_	-		_
		Total			100	100	70.5	69.9	4,520	4,590
Thermal Coal – Operations			F	ROM Tonnes(3)		Yield <sup>(4)</sup>	Sale	able Tonnes(3)	Salea	ble Quality(5)
TOTAL COAL RESERVES(1)	Attributable %(2)	Classification	2012	2011	2012	2011	2012	2011	2012	2011
		Classification								
Thermal – Export	43.6	Б	Mt	Mt	Plant %	Plant %	Mt	Mt	kcal/kg	kcal/kg
		Proved	1,399.9	1,511.7	90.2	89.1	765.5	827.3	6,180	6,280
		Probable	411.9	436.5	73.4	70.2	166.9	174.2	6,160	6,210
		Total	1,811.8	1,948.2	87.2	85.7	932.4	1,001.4	6,170	6,270
Thermal – Domestic	92.2								kcal/kg	kcal/kg
		Proved			87.7	86.9	445.7	494.2	3,910	3,850
		Probable			88.2	87.2	175.7	184.1	4,780	4,820
		Total			87.8	86.8	621.4	678.4	4,150	4,110
Synfuel	100								kcal/kg	kcal/kg
		Proved			100	100	70.5	69.9	4,520	4,590
		Probable			_	-	_	-	_	-
		Total			100	100	70.5	69.9	4,520	4,590

Mining method: OC = Open Cut, UG = Underground. Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only. For the multi-product operations, the ROM tonnage figures apply to each product.

The Saleable tonnes cannot be calculated directly from the ROM reserve tonnes using the air dried yields as presented since the difference in moisture content is not taken into account. Attributable percentages for country totals are weighted by Saleable tonnes and should not be directly applied to the ROM tonnes. Footnotes appear at the end of the section.

Thermal – Export refers to low- to high-volatile thermal coal primarily for export in the use of power generation; quality measured by calorific value (CV).

Thermal – Domestic refers to low- to high-volatile thermal coal primarily for domestic consumption for power generation; quality measured by calorific value (CV).

Synfuel refers to a coal specifically for the domestic production of synthetic fuel and chemicals; quality measured by calorific value (CV).

Coal Reserve and Coal Resource estimates as at 31 December 2012

Thermal Coal - Colombia Ope	rations	_		Tonnes		Coal Quality
COAL RESOURCES <sup>(6)</sup>	Attributable % <sup>(2)</sup>	Classification	2012	2011	2012	2011
Cerrejón (OC)	33.3		MTIS(6)	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg
		Measured	903.6	907.2	6,450	6,460
		Indicated	160.0	173.9	6,360	6,370
		Measured and Indicated	1,063.6	1,081.1	6,440	6,450
		Inferred (in LOM Plan) <sup>(8)</sup>	73.8	69.2	6,720	6,750
COAL RESOURCES ARE REPORTED	AS ADDITIONAL TO COAL RESERVES.					
Thermal Coal – South Africa O	perations	_		Tonnes		Coal Quality
COAL RESOURCES <sup>(6)</sup>	Attributable %(2)	Classification	2012	2011	2012	2011
Goedehoop (UG&OC)	100		MTIS(6)	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg
		Measured	83.1	79.8	5,510	5,470
		Indicated	75.7	75.6	5,470	5,480
		Measured and Indicated	158.8	155.4	5,490	5,470
		Inferred (in LOM Plan)(8)	1.6	-	5,740	-,
Greenside (UG)	100	Measured	18.2	11.4	5,590	5,700
2		Indicated	1.4	2.8	5,610	5,430
		Measured and Indicated	19.6	14.2	5,590	5,650
		Inferred (in LOM Plan) <sup>(8)</sup>	8.3		5,790	-
Isibonelo (OC)	100	Measured	-	_	-	_
isibericie (GG)	100	Indicated	16.3	20.9	5,250	5,210
		Measured and Indicated	16.3	20.9	5,250	5,210
		Inferred (in LOM Plan) <sup>(8)</sup>	10.5	20.9	3,230	3,210
Kleinkopje (OC)	100	Measured	30.4	28.5	5,040	4,970
Мешкорје (ОС)	100	Indicated	50.4	20.0	5,040	4,570
		Measured and Indicated	30.4	28.5	5,040	4,970
		Inferred (in LOM Plan) <sup>(8)</sup>	30.4	20.5	5,040	4,970
K-:-1 (HC 8 OC)	72.0	Measured	8.7	-	F 000	5,290
Kriel (UG&OC)	73.0	Indicated		9.0	5,290	,
			10.2	10.2	4,860	4,860
		Measured and Indicated	18.8	19.3	5,060	5,060
1 (0.0)	100	Inferred (in LOM Plan) <sup>(8)</sup>	-	-	- -	1.010
Landau (OC)	100_	Measured	52.0	26.5	5,190	4,810
		Indicated	42.8	34.3	4,680	5,180
		Measured and Indicated	94.8	60.8	4,960	5,020
Mar La (00)	F0.0	Inferred (in LOM Plan) <sup>(8)</sup>	-	-	-	- F 000
Mafube (OC)	50.0	Measured	56.5	2.5	5,300	5,090
		Indicated	13.2	7.4	4,530	5,250
		Measured and Indicated	69.7	9.9	5,150	5,210
	400	Inferred (in LOM Plan) <sup>(8)</sup>	7.3	17.0	5,150	5,170
New Denmark (UG)	100	Measured	_	-	-	-
		Indicated	_	-	-	-
		Measured and Indicated	_	-	_	-
		Inferred (in LOM Plan) <sup>(8)</sup>	16.2	17.0	5,270	5,310
New Vaal (OC)	100	Measured	-	-	_	-
		Indicated	-	-	-	-
		Measured and Indicated	_	-	_	-
		Inferred (in LOM Plan) <sup>(8)</sup>	_	-	_	_
Zibulo (UG&OC)	73.0	Measured	147.3	136.3	4,960	4,950
	<del></del>	Indicated	201.7	184.2	4,900	4,880
		Measured and Indicated	349.0	320.6	4,920	4,910
		Inferred (in LOM Plan)(8)	20.4	29.3	5,460	5,470
South Africa – Mine Leases	82.3	Measured	396.2	294.0	5,200	5,120
		Indicated	361.2	335.4	5,000	5,080
		Measured and Indicated	757.4	629.4	5,100	5,100
		Inferred (in LOM Plan)(8)	53.9	63.3	5,420	5,350
COAL RESOURCES ARE REPORTED	AS ADDITIONAL TO COAL RESERVES.				,	,
Thermal Coal – Operations		_		Tonnes		Coal Quality
COAL RESOURCES <sup>(6)</sup>	Attributable % <sup>(2)</sup>	Classification	2012	2011	2012	2011

COAL RESOURCES ARE REPORTED AS ADDITIONAL TO COAL RESERVES.

53.7

Footnotes appear at the end of the section.

Total

MTIS(6)

1,201.2

1,710.6

509.3

MTIS(6

1,299.7

521.2

127.7

1,821.0

Measured

Indicated

Measured and Indicated

Inferred (in LOM Plan)(8)

kcal/kg<sup>(7)</sup> 6,070

5,410

5,880

6,170

kcal/kg<sup>(7)</sup> 6,130

5,520

5,950

6,080

# Coal Reserve and Coal Resource estimates as at 31 December 2012

Thermal Coal - South Africa I	Proiects	_		Tonnes	1	Coal Quality
COAL RESOURCES(6)(8)	Attributable %(2)	Classification	2012	2011	2012	2011
Elders	73.0		MTIS(6)	MTIS(6)	kcal/kg <sup>(7)</sup>	kcal/kg <sup>(7)</sup>
		Measured	224.3	218.1	5,140	5,110
		Indicated	107.6	107.9	5,410	5,400
		Measured and Indicated	331.8	326.0	5,230	5,210
Kriel Block F	100	Measured	36.1	-	5,270	_
		Indicated	27.3	62.8	5,410	5,310
		Measured and Indicated	63.4	62.8	5,330	5,310
Kriel East	73.0	Measured	100.1	81.5	4,940	4,940
	<u> </u>	Indicated	31.4	36.0	4,890	4,950
		Measured and Indicated	131.5	117.5	4,930	4,940
New Largo	73.0	Measured	429.5	484.9	4,290	4,300
		Indicated	178.5	159.3	3,970	3,920
		Measured and Indicated	608.0	644.3	4,190	4,210
Nooitgedacht	100	Measured	36.4	35.8	5,360	5,310
		Indicated	10.6	10.6	5,450	5,450
		Measured and Indicated	46.9	46.4	5,380	5,340
South Rand	73.0	Measured	78.6	78.6	4,850	4,850
		Indicated	168.1	168.1	4,770	4,770
		Measured and Indicated	246.7	246.7	4,800	4,800
Vaal Basin	100	Measured	375.2	208.2	4,330	3,980
		Indicated	220.4	362.5	4,210	4,140
		Measured and Indicated	595.6	570.7	4,290	4,080
South Africa – Projects	82.4	Measured	1,280.2	1,107.1	4,590	4,520
		Indicated	743.8	907.2	4,540	4,500
		Measured and Indicated	2,024.0	2,014.3	4,570	4,510

Attributable percentages for country totals are weighted by Measured and Indicated MTIS.

Attributable (%) refers to 2012 only. For the 2011 Reported and Attributable figures, please refer to the 2011 Annual Report

Coal Resources are on an in-situ moisture basis.
The coal quality for the Coal Resources is quoted on an in-situ heat content as Calorific Value (CV) using kilo-calories per kilogram (kcal/kg) units on a Gross As Received (GAR) basis CV is rounded to the nearest 10 kcal/kg.

Summary of material changes (±10%) in estimates at reporting level

Greenside:

Coal Resources – Increase due to the inclusion of boreholes from Landau in the geological model resulted in seam thickness changes. The AATC standard software package was also implemented. Increase in Inferred in Mine Plan resulting from the conversion of the Clydesdale Pan from Inferred in Mine Lease to Mine Plan after the environmental approval was

Isibonelo: Kleinkopje:

granted.

Coal Resources – Decrease due to the transfer and conversion of underground resources to opencast reserves.

Coal Reserves – Decrease due to the transfer between Kleinkopje and Greenside following a mining boundary rationalisation exercise. Coal Resources – Increase due to seam thickness adjustments resulting from additional drilling and interpretation, adjustments to 5 seam remnants, and reclassification in Pit 2A layout following the reconfiguration exercise.

Coal Reserves – Decrease due to the downgrade of Schoonie West S2S to resource as the Pre-Feasibility study is not yet approved.

Landau:

Coal Resources - Increase due to transfer of Greenside Resources into the Landau Lifex Project as well as an increase to the resource footprint as a result of Pre-Feasibility

option analyses.

Coal Resources – Increase results from additional drilling, the upgrade of S4 due to the viability of a lower quality product, re-classification of the Pan 2 area in Springboklaagte

Nooitgedacht:

pending the granting of the environmental approvals and removal of the Rooipan area.

Coal Resources – Increase due to planned shaft closure and the re-allocation of the reserves to resources.

Coal Resources for 2 + 4 Seam and 5 Seam have been combined and reported under South Africa Coal Projects.

Kriel East: Coal Resources - Increase resulting from additional drilling information

Coal Resources - Increase resulting from additional drilling information offset by a decrease resulting from downgrade of all resources within the Wetland area

Assumption with respect to Mineral Tenure

Reserves are estimated for the area defined by the current approved Mining Right, which expires in 2033. In order to exploit the Coal Resources, a renewal will be applied for at the appropriate time, Anglo American Thermal Coal has reasonable expectation that such renewal will not be withheld.

Application for conversion to a Mining Right has been submitted in November 2011; in addition the environmental permitting applications have been submitted in 2012 as per legislative requirements. There is a reasonable expectation that such conversion will not be withheld.

The New Largo Mining Right Application was submitted in April 2011. The relevant South African Departments responsible for approvals, as well as key stakeholders, have been actively engaged with regards to the Colliery's potential impacts on wetlands. There is a reasonable expectation that such conversion will not be withheld.

Mafube:

New Largo:

Royalty Payment South Africa:

Royalty payments commenced in February 2010 in accordance with the Royalties Act (No. 28 of 2008) and have been taken into consideration in economic assessment of

Audits related to the generation of the Coal Reserve and Coal Resource estimates were carried out by independent consultants during 2012 at the following operations and projects: Goedehoop, Greenside, Isibonelo, Kleinkopje, Mafube, Elders and Vaal Basin.

Coal Reserves are quoted on a Run Of Mine (ROM) reserve tonnes basis, which represents the tonnes delivered to the plant. Saleable reserve tonnes represents the product tonnes produced. Coal Reserves (ROM and Saleable) are on the applicable moisture basis

ROM tonnes quoted on an As Delivered moisture basis, and Saleable tonnes on a Product moisture basis.

Yield – ROM % represents the ratio of Saleable reserve tonnes to ROM reserve tonnes and is quoted on a constant moisture basis or on an air dried to air dried basis whereas Plant % is based on the 'Feed to Plant' tonnes. The product yields (ROM %) for Proved, Probable and Total are calculated by dividing the individual Saleable reserves by the total ROM reserves per classification.

The coal quality for the Coal Reserves is quoted as either Calorific Value (CV) using kilo-calories per kilogram (kcal/kg) units on a Gross As Received (GAR) basis.

Coal quality parameters for the Coal Reserves for Coking, Other Metallurgical and Export Thermal collieries meet the contractual specifications for coking coal, PCI, metallurgical coal, steam coal and domestic coal. Coal quality parameters for the Coal Reserves for Domestic Power and Domestic Synfuels collieries meet the specifications of the individual supply contracts in the short-term and studies are underway to ensure long term compliance.

CV is rounded to the nearest 10 kcal/kg.

Coal Resources are quoted on a Mineable Tonnes In-Situ (MTIS) basis in million tonnes, which are in addition to those resources that have been modified to produce the reported Coal Reserves.

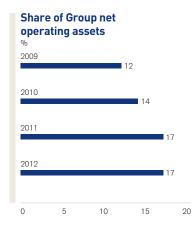
Inferred (in LOM Plan) refers to Inferred Coal Resources that are included in the life of mine extraction schedule of the respective collieries and are not reported as Coal Reserves. Inferred Coal Resources outside the Life of Mine Plan but within the mine lease area are not reported due to the uncertainty attached to such resources in that it cannot be assumed that all or part of the Inferred Resource will necessarily be upgraded to Indicated or Measured categories through continued exploration, such Inferred Resources do not necessarily meet the requirements of reasonable prospects for eventual economic extraction, particularly in respect of future mining and processing economics.

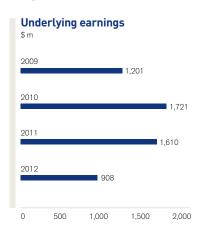
# **COPPER**

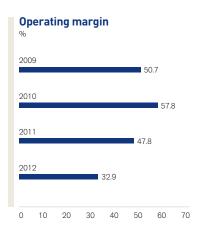
Anglo American has interests in six copper operations in Chile. These comprise of the 50.1% in Anglo American Sur, the 100% owned Mantos Blancos and Mantoverde mines and a 44% interest in the Collahuasi mine.

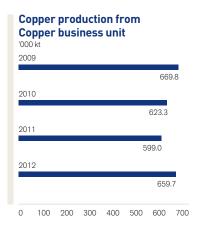
Copper is used mainly in wire and cable, brass, tubing and pipes, air conditioning and refrigeration.

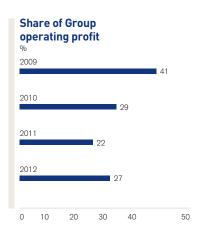
# **FINANCIAL HIGHLIGHTS**











# FINANCIAL DATA

\$ million	2012	2011	2010	2009
Turnover				
Collahuasi	1,002	1,688	1,729	1,411
Anglo American Sur	3,186	2,320	2,075	1,723
Anglo American Norte	934	1,136	1,073	833
Projects and Corporate	_	-	_	_
Total turnover	5,122	5,144	4,877	3,967
EBITDA				
Collahuasi	451	1,071	1,276	952
Anglo American Sur	1,686	1,283	1,263	994
Anglo American Norte	336	665	661	408
Projects and Corporate	(294)	(269)	(114)	(100)
Total EBITDA Total EBITDA	2,179	2,750	3,086	2,254
Depreciation and amortisation	492	289	269	244
Operating profit before special items and remeasurements	492	209	209	244
Collabuasi	324	957	1.186	880
Anglo American Sur	1,369	1,126	1,125	862
Anglo American Norte	288	629	624	369
Projects and Corporate	(294)	(269)	(118)	(101)
Total operating profit before special items and remeasurements	1,687	2,461	<b>2,817</b>	2,010
Operating special items and remeasurements	9	(1)	15	104
Operating profit after special items and remeasurements	1,696	2,460	2,832	2,114
Operating profit after special fems and remeasurements	1,030	2,400	2,032	2,117
Net interest, tax and non-controlling interests	(779)	(851)	(1,096)	(809)
Underlying earnings				
Collahuasi	230	601	738	663
Anglo American Sur	675	784	685	444
Anglo American Norte	237	470	419	197
Projects and Corporate	(234)	(245)	(121)	(103)
Total underlying earnings	908	1,610	1,721	1,201
Total underlying currings	300	1,010	1,121	1,201
Net operating assets	8,536	7,643	6,291	4,763
Capital expenditure	996	1,570	1,530	1,123
Oupitur Oxponiulture	330	1,570	1,550	1,123

# BUSINESS OVERVIEW

# **UNDERLYING OPERATING PROFIT**

(2011: \$2,461 m)

**\$1,687** m

# SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011: 22%)

**27**%

# **UNDERLYING EBITDA**

(2011: \$2,750 m)

**\$2,179** m

Key financial and non-financial performance indicators					
\$ million (unless otherwise stated)	2012	2011			
Underlying operating profit	1,687	2,461			
Underlying EBITDA	2,179	2,750			
Net operating assets	8,536	7,643			
Capital expenditure	996	1,570			
Share of Group underlying operating profit	27%	22%			
Share of Group net operating assets	17%	17%			
Non-financial indicators	2012	2011			
Number of fatal injuries	0	1			
Lost-time injury frequency rate	0.20	0.19			
Total energy consumed in 1,000 GJ	15,559	12,887			
Total greenhouse gas emissions in 1,000 tonnes CO <sub>2</sub> e	1,601	1,467			
Total water used for primary activities in 1.000 m <sup>3</sup>	35.667	28.701			

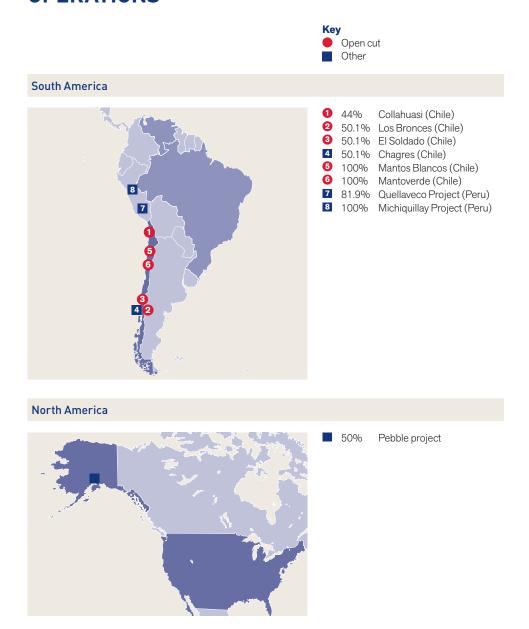
We have interests in six copper operations in Chile. The Mantos Blancos and Mantoverde mines are wholly owned and we hold a 50.1% interest in Anglo American Sur (AA Sur), which includes the Los Bronces and El Soldado mines and the Chagres smelter. We also have a 44% shareholding in the Collahuasi mine. The mines produce a combination of copper in concentrate and copper cathode together with associated by-products such as molybdenum and silver.

In addition, we have a controlling interest in the Quellaveco (81.9%) and Michiquillay (100%) projects in Peru and a 50% interest in the Pebble project in Alaska.

On 24 August 2012, Anglo American completed the disposal of 25.4% of AA Sur, to a Codelco and Mitsui joint venture company for a cash consideration of \$1.9 billion. As part of this transaction, all litigation between Anglo American and Codelco has been terminated. The agreement demonstrates our focus on delivering value to shareholders. We remain fully committed to our major inward investment programme in the Chilean business and to continuing our significant social and community investment commitments in Chile.

In September 2011, we announced our participation in a sales process to dispose of our effective 16.8% interest in Palabora Mining Company in South Africa. On 11 December 2012, we reached an agreement to sell our interest for ZAR893 million (approximately \$103 million), subject to regulatory approvals in South Africa and China which are expected to take four to six months.

# **OUR COPPER OPERATIONS**



# INDUSTRY OVERVIEW

Copper's principal use is in the wire and cable markets because of the metal's electrical conductivity and corrosion resistance properties. Applications that make use of copper's electrical conductivity, such as wire (including the wiring used in buildings), cables and electrical connectors, account for approximately 60% of total global demand. The metal's corrosionresistant properties find numerous applications, particularly plumbing pipe and roof sheeting, in the construction industry, which accounts for a further 20% of demand. Copper's thermal conductivity also makes it suitable for use in heat-transfer applications such as air conditioning and refrigeration, which constitute approximately 10% of total demand. Other applications include structural and aesthetic uses.

With no fundamental technological shifts expected in the short- to medium-term, forecast long term demand is likely to be underpinned by robust growth in copper's electrical uses, particularly wire and cable in construction, automobiles and electricity infrastructure. The key growth area will continue to be the developing world, led by China and, in the longer term, India, where early-stage industrialisation and urbanisation on a large scale continues to drive copper demand growth.

During the period 2000–2011, China increased its share of first-use refined metal consumption from 12% to an estimated 39%. Consumption continued to increase in 2012, while demand elsewhere fell in aggregate for the second year running, moving China's share of refined demand above 40%.

Access to quality orebodies, located in regions providing stable political, social and regulatory support for responsible and sustainable mining, is likely to continue to be the key factor distinguishing project returns and mine profitability. However, such orebodies are scarce, and it will be increasingly necessary for mining companies to develop mines in more challenging regions.

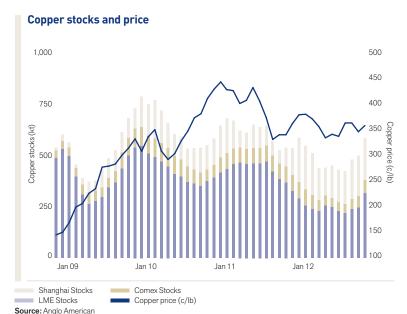
In spite of near term supply growth that could well be noticeably above that of the past six or seven years, constraints on the supply side are likely to prove a structural feature of the market. This will be driven by continuing declines in ore grades at maturing existing operations and at new projects, a lack of capital investment and underexploration in the industry, as well as political and environmental challenges in many current and prospective copper areas.

The industry is capital-intensive and is likely to become more so as high grade surface deposits are exhausted and deeper and/or lower grade deposits are developed in more challenging locations. Combined with the need to develop infrastructure in new geographies, this requires greater economies of scale if mines are to be commercially viable. Scarcity of water in some countries, such as Chile and Peru, is also necessitating the construction of capital- and energy-intensive desalination plants.

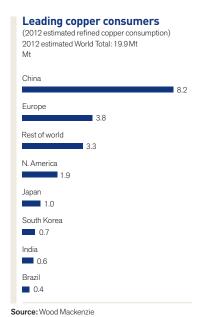
#### **Markets**

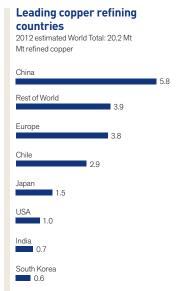
Average price	2012	2011
Average market prices (c/lb)	361	400
Average realised prices (c/lb)	364	378

The copper price rose in the early part of 2012, from 343 c/lb at the start of the year to 387 c/lb by May. As Europe's sovereign debt crisis took hold and Chinese economic growth slowed, concerns grew over the outlook for the world economy and the price softened into the second half of the year. Despite an environment of macroeconomic uncertainty, which continues to impact demand, the price recovered in September 2012 on the back of supply-side shortfalls, and ended the year at 359 c/lb. For the 2012 full year, the realised price averaged 364 c/lb, a decrease of 4% compared with 2011. This included a positive provisional price adjustment for 2012 of \$47 million versus a net negative adjustment in the prior year of \$278 million.

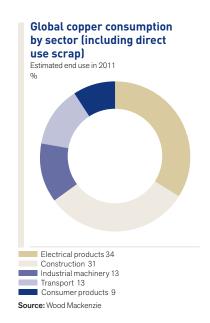


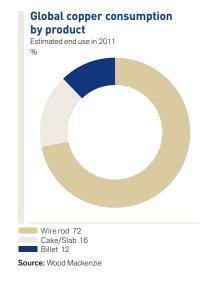
# MARKET INFORMATION











## **STRATEGY**

In the short term the focus of the Copper business is on restoring operational stability at Collahuasi and the execution of the revised Los Bronces mine plan in order to secure incremental production volume. Growth in the near term is being delivered from the successful ramp up of the Los Bronces expansion following delivery of its first production in the fourth quarter of 2011. The expansion produced a total of 196,100 tonnes of copper in 2012 and is now running at full capacity. Additional growth in the medium term is expected to come from the Quellaveco project in Peru, which is targeted to be put forward for board approval in 2013. We continue to explore for low operating cost and long life development opportunities and evaluate longer term projects, including Michiquillay, Pebble, Los Bronces District and West Wall.

#### **Projects**

In Peru, the Quellaveco project received three critical permits in the fourth quarter: an amendment to the environmental impact assessment, the beneficiation concession and the key water permit. Community engagement continued through the 'dialogue table' process, where agreement was reached in July in relation to water usage, environmental responsibility and Anglo American's social contribution over the life of the mine. Anglo American is targeting submission of the project to its Board for approval in 2013. The concept level study for the Michiquillay project was completed and is under review.

Activity at the Pebble project in Alaska continues, with the focus on completing a pre-feasibility study and preparing to commence permitting. The draft Bristol Bay Watershed Assessment was released by the Environmental Protection Agency (EPA) in May 2012. The EPA has announced that it has revised the draft watershed assessment report to take account of feedback and it intends to have the revised assessment peer reviewed and commented on publicly with a view to finalising the assessment in 2013.

At Collahuasi, the project to increase concentrator plant throughput to 160,000 tonnes of ore per day was reduced in scope and the pre-feasibility study on the further expansion potential was put on hold, both pending restoring operational stability of current operations.

# PROJECT PIPELINE - KEY PROJECTS

#### Los Bronces expansion

#### Country

Chile

#### Ownership

50.1%

#### **Incremental production**

200,000 tonnes per annum of copper (average over first 10 years)

#### Full project capex

\$2,800m

#### **Full production**

Q4 2012

The delivery of first copper production from the Los Bronces expansion was achieved on schedule<sup>(1)</sup> in the fourth quarter of 2011. The expansion contributed 196,100 tonnes of copper in 2012. The project scope includes a new grinding plant connected to the main site by a 4.4 km conveyor belt, together with a 52 km ore slurry pipeline to the existing Cu-Mo flotation plant at Las Tórtolas. The life of mine at Los Bronces is greater than 30 years, with significant exploration upside, making Los Bronces a truly world class operation.



Overall capex: \$2,800m

#### Collahuasi Phase 2 Overall capex: \$<1bn

#### Country

Chile

#### **Ownership**

44%

#### **Incremental production**

20,000 tonnes per annum of copper

#### Full project capex (100% basis)

\$<1bn

#### First production

TBD

The Collahuasi mine in Northern Chile is located at 4,400 metres above sea level (masl). The Phase 2 expansion project to increase sulphide processing capacity to 160 kt per day was approved in March 2011. This project has been reduced in scope pending restoring operational stability of current operations.



#### Quellaveco (unapproved)

#### Country

Peru

#### Ownership

81.9%

# Total production of mine when project ramps up to full production (100% basis)

up to 225,000 tonnes per annum of copper (average over first 10 years)

#### Full project capex (100% basis)

TBD

#### **First production**

TBD

The greenfield Quellaveco project is located in Southern Peru at 3,500 masl. Production is forecast at 225,000 tonnes per annum of copper, with molybdenum and silver by-products. Once at full capacity, the operation is expected to be in the lower half of the cost curve.



Overall capex: TBD

<sup>(1)</sup> The schedule for delivery of first production from projects refers to the information published in Anglo American's 2012 Annual Report.

# PROJECT PIPELINE – KEY PROJECTS continued

#### Michiquillay (unapproved)

#### Overall capex: TBD

Overall capex: TBD

#### Country

Peru

#### Ownership

100%

# Total production of mine when project ramps up to full production

222,000 tonnes per annum of copper (with expansion potential to 300 ktpa)

#### Full project capex

TBD

#### **First production**

TBD

Michiquillay was acquired in 2007 in a government privatisation. Early stage work continues. The drilling relating to the geological exploration programme has recommenced after completion of discussions with the local communities. The concept level for the Michiquillay project has been completed and is under review.



#### Pebble (unapproved)

#### Country

US

### Ownership

50%

#### Total production of mine when project ramps up to full production (100% basis)

up to 187,000 tonnes per annum of copper, 12 ktpa molybdenum and 600 kozpa gold

### Full project capex

TBD

#### **First production**

TBD

Pebble is a 50:50 joint venture located in Alaska, USA. The project has the potential to be large scale, producing up to 350,000 tonnes per annum of copper, plus significant gold and molybdenum by-products. The operation is expected to be in the lower half of the cost curve once at full production. Activity continues with focus on completing the pre-feasibility study and preparing to commence permitting, early in the next decade. The draft Bristol Bay Watershed Assessment was released by the Environmental Protection Agency (EPA) in May 2012. The EPA has announced that it has revised the draft watershed assessment report to take account of feedback and it intends to have the revised assessment peer reviewed and commented on publicly with a view to finalising the assessment in 2013.



# PRODUCTION DATA

Production (tonnes)	2012	2011	2010	2009
Collahuasi (attributable basis)	40000	45000	17100	10.000
Copper cathode	16,200	15,900	17,100	19,000
Copper in concentrate	107,900	183,600	204,700	216,800
Total copper production for Collahuasi	124,100	199,500	221,800	235,800
Anglo American Sur <sup>(1)</sup>				
Los Bronces copper cathode	40,800	38,400	42,600	45,500
Los Bronces copper in sulphate	2,500	4,600	4,100	2,900
Los Bronces copper in concentrate	322,000	178,800	174,700	190,000
Total copper production for Los Bronces	365,300	221,800	221,400	238,400
El Soldado copper cathode	2,000	5,000	4,700	4,200
El Soldado copper in concentrate	51,800	41,900	35,700	37,200
Total copper production for El Soldado	53,800	46,900	40,400	41,400
Chagres Smelter	400 700	100000	407000	407700
Copper blister/anode	138,700	138,200	137,900	137,700
Copper blister/anode (third party)	464 400	407.500	400.700	2,500
Acid	461,400	487,500	466,700	457,600
Total copper production from Anglo American Sur <sup>(2)</sup>	419,100	268,700	261,800	282,300
Anglo American Norte				
Mantos Blancos copper cathode	29.200	36.000	39.100	46.200
Mantos Blancos copper in concentrate	25,000	36,100	39,500	44,000
Total copper production for Mantos Blancos	54,200	72,100	78,600	90,200
•		•		
Mantoverde – copper cathode	62,300	58,700	61,100	61,500
Total copper production from Anglo American Norte <sup>(2)</sup>	116,500	130,800	139,700	151,700
Total Copper segment copper production	659,700	599,000	623,300	669,800

<sup>(1)</sup> Anglo American previously held 74.5% of AA Sur, as at 24 August 2012, holds 50.1%. Production is stated at 100% as Anglo American continues to consolidate AA Sur. (2) Includes total concentrate, cathode and copper in sulphate production and blister/anode produced from third party.

### Ore Reserve and Mineral Resource estimates as at 31 December 2012

#### **COPPER**

The Ore Reserve and Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Ore Reserves and Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

Copper - Operations					Tonnes		Grade	Cor	ntained Metal
ORE RESERVES(1)	Attributable %	Mine Life	Classification	2012	2011	2012	2011	2012	2011
Collahuasi (OP)(2)	44.0	70		Mt	Mt	%TCu	%TCu	kt	kt
Oxide and Mixed			Proved	31.0	0.0	0.58	0.60	181	0
Heap Leach	Copper		Probable	13.0	35.4	0.71	0.63	93	224
			Total	44.1	35.4	0.62	0.63	274	224
						%TCu	%TCu		
Sulphide			Proved	419.1	285.0	1.00	1.07	4,200	3,042
Flotation – direct feed	Copper		Probable	1,655.1	1,640.3	0.98	0.93	16,202	15,177
			Total	2,074.2	1,925.3	0.98	0.95	20,402	18,219
			D			%Mo	%Mo	00	
	Maluladaa		Proved Probable			0.024 0.024	_	98 398	-
	Molybdenum		Total			0.024	_	496	_
			TOTAL			%TCu	%TCu	490	
Low Grade Sulphide			Proved	_	_	901Cu	901Cu	_	_
Flotation – stockpile	Copper		Probable	1,069.2	935.2	0.49	0.49	5,219	4,596
riotation stockplic	Соррег		Total	1,069.2	935.2	0.49	0.49	5,219	4,596
			- Total	1,000.2	555.2	%Mo	%Mo	0,210	-1,000
			Proved			_	_	_	_
	Molybdenum		Probable			0.010	_	105	_
	,,,,,,,		Total			0.010	_	105	-
El Soldado (OP)	50.1	23				%TCu	%TCu		
Sulphide			Proved	125.7	95.4	0.81	0.96	1,018	915
Flotation(3)			Probable	44.6	67.3	0.79	0.79	352	533
			Total	170.3	162.7	0.80	0.89	1,371	1,448
Oxide			Proved	-	_	-	_	_	_
Heap Leach			Probable	3.0	3.5	0.45	0.46	14	16
			Total	3.0	3.5	0.45	0.46	14	16
Los Bronces (OP)	50.1	36				%TCu	%TCu		
Sulphide			Proved	729.9	899.6	0.70	0.69	5,109	6,208
Flotation	Copper		Probable	779.4	598.8	0.53	0.51	4,131	3,054
			Total	1,509.3	1,498.4	0.61	0.62	9,240	9,261
			D			%Mo	%Mo	117	
	Mart I. I.		Proved			0.016	_	117	_
	Molybdenum		Probable <b>Total</b>			0.013 <b>0.014</b>	_	101 <b>218</b>	_
			IUlai		<del></del>	%TCu	%TCu	210	
Sulphide			Proved	428.6	486.6	0.32	0.35	1,371	1,703
Dump Leach <sup>(4)</sup>	Copper		Probable	179.0	197.1	0.32	0.33	519	532
Dump Leach	Соррег		Total	607.6	683.7	0.31	0.33	1,891	2,235
			Total	007.0	000.7	%Mo	%Mo	1,001	2,200
			Proved			0.007	-	30	_
	Molybdenum		Probable			0.006	_	11	_
	,,,,,,		Total			0.007	_	41	- 1
Mantos Blancos (OP)	100	8				%lCu	%lCu		
Sulphide			Proved	14.1	26.3	0.82	0.83	115	218
Flotation <sup>(5)</sup>			Probable	21.6	19.7	0.79	0.80	170	157
			Total	35.6	46.0	0.80	0.82	286	376
						%ASCu	%ASCu		
Oxide			Proved	2.7	8.3	0.55	0.54	15	45
Vat and Heap Leach <sup>(6)</sup>			Probable	12.7	16.3	0.38	0.33	47	54
			Total	15.4	24.7	0.41	0.40	62	99
0.11						%ASCu	%ASCu		
Oxide (7)			Proved	-	2.1	-	0.18	-	4
Dump Leach <sup>(7)</sup>			Probable	36.8	49.6	0.23	0.23	84	115
Mantavarda (OD)	100	F	Total	36.8	51.7	0.23	0.23	84	119
Mantoverde (OP)	100	5_	Dravad	00.0	22.2	%ASCu	%ASCu	104	100
Oxide			Proved	22.2	33.3	0.56	0.59	124	196
Heap Leach <sup>(8)</sup>			Probable	20.2	9.5 <b>42.7</b>	0.52	0.55	105	52 248
			Total	42.3	42.7	<b>0.54</b> %ASCu	<b>0.58</b> %ASCu	229	248
Oxide			Proved	18.4	27.2	%ASCu 0.23	%ASCu 0.24	42	65
Dump Leach <sup>(9)</sup>			Probable	25.7	18.2	0.23	0.24	70	51
Dump Loadin			Total	44.2	<b>45.4</b>	0.27	0.26	112	116
			iotai	7712	70.7	0.20	0.20	112	110

 $\label{eq:mining} \begin{tabular}{ll} Mining\ method: OP = Open\ Pit.\ Mine\ Life = The\ extraction\ period\ in\ years\ for\ scheduled\ Ore\ Reserves\ comprising\ Proved\ and\ Probable\ Reserves\ only.\ TCu = total\ copper,\ ICu = insoluble\ copper\ (total\ copper\ less\ acid\ soluble\ copper),\ ASCu = acid\ soluble\ copper.\ \end{tabular}$ 

### Ore Reserve and Mineral Resource estimates as at 31 December 2012

- Copper Reserves: A variable cut-off from 0.20% up to 0.50% (CuT, ICu or ASCu) is applied as cut-offs to determine Ore Reserves on operations.
   Collahuasi: The increases in Ore Reserves is due to the completion of a drilling campaign at Rosario Oeste enabling conversion of additional Mineral Resources to Ore Reserves. Ujina also has additional Ore Reserves due to a change in economic assumptions (increase in long term metal price) and an updated geological model.
   El Soldado Sulphide (Flotation): The decrease in Ore Reserves is due to production and a change in the block modelling methodology to take into account a change in the mine design (bench
- height) offset by increases due to a change in economic assumptions (increase in long term metal price) and new drilling information.

  Los Bronces Sulphide (Dump Leach): The decrease in Ore Reserves is due to a combination of production, changes to the mine plan, a new classification methodology (which resulted in
- re-allocation of probable reserves to inferred resources) offset by an increase due to a change in economic assumptions (increase in long term metal price).

  Mantos Blancos Sulphide (Flotation): The decrease in Ore Reserves is primarily due to an updated mine planning schedule offset by a small increase due to new information from within the pit.
- Mantos Blancos Oxide (Vat and Heap Leach): The decrease in Ore Reserves is primarily due to transfer of material to the Dump Leaching process along with production.

  Mantos Blancos Oxide (Dump Leach): The decrease in Ore Reserves is primarily due to production along with transfer of material to the Vat Leach Process which is offset by Vat Leach Tailings
- which will now be put through the Dump Leach): The decrease in Ore Reserves is primarily due to production along with transfer of material to the val Leach Process which is offset by val Leach 1 along which will now be put through the Dump Leach Process.

  Mantoverde Oxide (Heap Leach): The decrease in Ore Reserves is due to production offset by conversion of Mineral Resources to Ore Reserves enabled by new drilling information.

  Mantoverde Oxide (Dump Leach): The decrease in Ore Reserves is due to production offset by an increase of Dump Material within the Montecristo, Quisco and Pto 62 areas as a result of continued drilling.

Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations: El Soldado, Los Bronces, Mantos Blanco and Mantoverde

Ore Reserve and Mineral Resource estimates as at 31 December 2012

Copper - Operations				Tonnes		Grade	Cor	ntained Metal
MINERAL RESOURCES(1)	Attributable %	Classification	2012	2011	2012	2011	2012	2011
Collahuasi (OP) Oxide and Mixed	44.0	Measured	Mt —	Mt —	%TCu -	%TCu	kt –	kt
Heap Leach		Indicated	0.5	15.1	0.70	0.60	3	90
ricap Ecacii	Copper	Measured and Indicated	0.5	15.1	0.70	0.60	3	90
		Inferred (in LOM Plan)	2.8	3.9	0.37	0.62	11	24
		Inferred (ex. LOM Plan)	8.5	0.3	0.62	0.61	53	2
		Total Inferred	11.3	4.2	0.56	0.62	63	26
Sulphide <sup>(2)</sup>		Measured	4.6	1.2	%TCu 0.75	%TCu 0.78	35	9
Flotation – direct feed		Indicated	1.148.9	628.9	0.73	0.76	10,821	5,694
	Copper	Measured and Indicated	1,153.6	630.1	0.94	0.91	10,856	5,704
		Inferred (in LOM Plan)	486.1	660.6	1.03	0.99	5,017	6,532
		Inferred (ex. LOM Plan)	2,654.9	1,944.6	0.92	0.91	24,441	17,676
		Total Inferred	3,141.0	2,605.3	<b>0.94</b> %Mo	0.93 %Mo	29,458	24,208
		Measured			0.005	901010	0	_
		Indicated			0.047	_	368	-
	Molybdenum	Measured and Indicated			0.047	-	368	-
		Inferred (in LOM Plan)			0.016	-	76	-
		Inferred (ex. LOM Plan)			0.022 <b>0.021</b>	_	584 <b>660</b>	-
		Total Inferred			%TCu	%TCu	000	
Low Grade Sulphide(2)		Measured	6.2	1.2	0.48	0.44	30	5
Flotation – stockpile		Indicated	265.9	152.5	0.46	0.46	1,233	698
	Copper	Measured and Indicated	272.1	153.7	0.46	0.46	1,263	704
		Inferred (in LOM Plan)	361.6	579.0	0.45	0.44	1,616	2,564
		Inferred (ex. LOM Plan) <b>Total Inferred</b>	945.4 <b>1,307.0</b>	736.8 <b>1,315.8</b>	0.47 <b>0.46</b>	0.46 <b>0.45</b>	4,419 <b>6,036</b>	3,414 <b>5,978</b>
		Totalillerieu	1,507.0	1,515.0	%Mo	%Mo	0,030	3,370
		Measured			0.012	_	1	-
		Indicated			0.021	_	25	-
	Molybdenum	Measured and Indicated		•	0.021	_	26	-
		Inferred (in LOM Plan) Inferred (ex. LOM Plan)			0.004 0.005	_	14 44	-
		Total Inferred			0.005	_	58	_
El Soldado (OP)	50.1				%TCu	%TCu		
Sulphide		Measured	24.7	21.9	0.78	0.82	193	180
Flotation <sup>(3)</sup>		Indicated	7.7	18.8	0.72	0.72	55	135
		Measured and Indicated Inferred (in LOM Plan)	<b>32.4</b> 7.7	<b>40.7</b> 20.9	<b>0.77</b> 0.58	<b>0.77</b> 0.81	<b>248</b> 45	<b>315</b> 169
		Inferred (ex. LOM Plan)	6.4	12.7	0.53	0.71	34	90
		Total Inferred	14.1	33.6	0.56	0.77	79	260
Oxide		Measured	0.0	0.1	0.68	0.75	0	1
Heap Leach		Indicated Measured and Indicated	0.0	0.1 <b>0.2</b>	0.62 <b>0.66</b>	0.69	0 <b>0</b>	1 <b>1</b>
		Inferred (in LOM Plan)	0.0	-	0.00	0.71	-	-
		Inferred (ex. LOM Plan)	0.0	0.1	0.57	0.69	0	0
		Total Inferred	0.0	0.1	0.57	0.69	0	0
Los Bronces (OP)	50.1	M	040	0111	%TCu	%TCu	200	050
Sulphide Flotation <sup>(4)</sup>		Measured Indicated	84.8 897.6	211.1 922.9	0.45 0.40	0.45 0.43	382 3,590	950 3,968
i iotation*/	Copper	Measured and Indicated	982.4	1,133.9	0.40	0.43	3,9 <b>72</b>	4,918
	оорро:	Inferred (in LOM Plan)	212.0	83.7	0.48	0.58	1,018	485
		Inferred (ex. LOM Plan)	3,311.1	3,115.6	0.36	0.39	11,920	12,151
		Total Inferred	3,523.1	3,199.3	0.37	0.39	12,938	12,636
		Measured			%Mo 0.005	%Mo	4	_
		Indicated			0.003	_	81	_
	Molybdenum	Measured and Indicated			0.009	_	85	-
	-	Inferred (in LOM Plan)			0.013	-	28	-
		Inferred (ex. LOM Plan)			800.0	-	265	-
		Total Inferred			<b>0.008</b> %TCu	%TCu	293	
Sulphide		Measured	_	_	70 I C U	%1Cu	_	_
Dump Leach <sup>(5)</sup>		Indicated	_	-	_	_	_	-
	Copper	Measured and Indicated	-	_	-	-	-	-
		Inferred (in LOM Plan)	173.2	114.4	0.28	0.26	485	298
		Inferred (ex. LOM Plan)	172.0	1144	0.28	0.06	405	298
		Total Inferred	173.2	114.4	0.28 %Mo	0.26 %Mo	485	298
		Measured			-701VIO	701010	_	_
		Indicated			_	-	_	-
	Molybdenum	Measured and Indicated			-	-	. 🛨	-
		Inferred (in LOM Plan)			0.006	-	10	-
		Inferred (ex. LOM Plan) <b>Total Inferred</b>			0.006	_	10	_
		Total illierred			0.000		10	

### Ore Reserve and Mineral Resource estimates as at 31 December 2012

Copper - Operations continu	ed			Tonnes		Grade	Con	tained Metal
MINERAL RESOURCES (1)	Attributable %	Classification	2012	2011	2012	2011	2012	2011
Mantos Blancos (OP)	100		Mt	Mt	%lCu	%lCu	kt	kt
Sulphide		Measured	30.2	47.8	0.95	0.75	286	359
Flotation <sup>(6)</sup>		Indicated	64.8	68.1	0.69	0.56	447	379
		Measured and Indicated	95.0	116.0	0.77	0.64	734	738
		Inferred (in LOM Plan)	9.4	2.7	0.46	0.57	43	16
		Inferred (ex. LOM Plan)	23.8	27.8	0.66	0.55	157	153
		Total Inferred	33.2	30.5	0.60	0.55	201	168
					%ASCu	%ASCu		
Oxide		Measured	3.5	14.1	0.50	0.47	17	66
Vat and Heap Leach <sup>(7)</sup>		Indicated	11.1	10.5	0.45	0.43	50	45
	I	Measured and Indicated	14.6	24.5	0.46	0.45	67	111
		Inferred (in LOM Plan)	17.6	1.9	0.26	0.53	46	10
		Inferred (ex. LOM Plan)	7.4	3.3	0.46	0.47	34	16
		Total Inferred	25.0	5.2	0.32	0.49	80	26
					%ASCu	%ASCu		
Oxide		Measured	0.4	_	0.18	_	1	_
Dump Leach <sup>(8)</sup>		Indicated	8.4	8.3	0.17	0.20	14	17
		Measured and Indicated	8.8	8.3	0.17	0.20	15	17
		Inferred (in LOM Plan)	91.4	65.8	0.23	0.23	210	154
		Inferred (ex. LOM Plan)	4.3	_	0.17	_	7	_
		Total Inferred	95.7	65.8	0.23	0.23	218	154
Mantoverde (OP)	100				%ASCu	%ASCu		
Oxide		Measured	5.1	21.1	0.42	0.36	22	76
Heap Leach <sup>(9)</sup>		Indicated	6.7	13.1	0.53	0.42	35	55
	I	Measured and Indicated	11.8	34.2	0.48	0.38	57	131
		Inferred (in LOM Plan)	3.3	0.6	0.69	0.53	23	3
		Inferred (ex. LOM Plan)	0.1	0.9	0.30	0.29	0	3
		Total Inferred	3.4	1.5	0.68	0.38	23	6
					%ASCu	%ASCu		
Oxide		Measured	_	_	_	_	_	_
Dump Leach		Indicated	_	_	_	_	_	-
	I	Measured and Indicated	_	_	_	_	_	-
		Inferred (in LOM Plan)	0.6	0.9	0.24	0.22	1	2
		Inferred (ex. LOM Plan)	_	_	_	_	_	_
		Total Inferred	0.6	0.9	0.24	0.22	1	2

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

<sup>(1)</sup> Copper Resources: A test of reasonable eventual economic extraction is applied through consideration of an optimised pit shell. Materials outside the optimised shell that have potential of eventual

economic extraction via underground means are not included in the Mineral Resource statement. Mineral Resources are quoted above a 0.2% TCu cut-off.

Collahuasi – Sulphide and Low Grade Sulphide (Flotation): The increase in Mineral Resources is primarily due to Economic Assumptions (increase in long term metal price) and new drilling information which identified and delineated new resources.

El Soldado – Sulphide (Flotation): The decrease in Mineral Resources is primarily due to conversion of Mineral Resources to Ore Reserves (increase in long term metal price) and greater dilution

effect as a result of a change in bench height and ore/waste contact modelling methodology.

(4) Los Bronces – Sulphide (Flotation): The decrease in Measured and Indicated Mineral Resources is due to a change in the estimation methodology and new classification. The overall increase in

Mineral Resources is due to a change in economic assumptions (increase in long term metal price).

(5) Los Bronces – Sulphide (Dump Leach): The Mineral Resources increase due to the re-allocation of Probable Reserves to Inferred Resources, which is offset by a decrease due to changes in the

cut-off grade strategy applied to material sent to the flotation plant.

Mantos Blancos - Sulphide (Flotation): The increase in Mineral Resources is due to new drilling information which identified and delineated new resources offset by a refinement in the estimation

methodology.

Mantos Blancos – Oxide (Vat and Heap Leach): The increase in Mineral Resources is due to increased feed from the Mercedes Dump offset by a change in the estimation methodology.

Mantos Blancos – Oxide (Dump Leach): The Mineral Resources increase due to additional material from Phase II of Mercedes Dump and Botadero B zones Mantoverde – Oxide (Heap Leach): The decrease in Mineral Resources is due to conversion to Ore Reserves enabled by new drilling information.

#### Ore Reserve and Mineral Resource estimates as at 31 December 2012

Copper - Projects		Mine			Tonnes		Grade	Con	tained Metal
ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011	2012	2011
Quellaveco (OP)(1)	81.9	28	_	Mt	Mt	%TCu	%TCu	kt	kt
Sulphide			Proved	701.8	701.8	0.65	0.65	4,562	4,562
Flotation	Copper		Probable	214.6	214.6	0.63	0.63	1,352	1,352
			Total	916.4	916.4	0.65	0.65	5,914	5,914
						%Mo	%Mo		
			Proved			0.019	-	133	-
	Molybdenum		Probable			0.021	-	45	-
			Total			0.019		178	-
Copper - Projects					Tonnes		Grade	Con	tained Metal
MINERAL RESOURCES	Attributable %		Classification	2012	2011	2012	2011	2012	2011
Quellaveco (OP)(1)	81.9			Mt	Mt	%TCu	%TCu	kt	kt
Sulphide			Measured	284.2	196.8	0.35	0.40	990	787
Flotation			Indicated	807.9	627.0	0.41	0.45	3,290	2,822
	Copper	Measur	ed and Indicated	1,092.0	823.8	0.39	0.44	4,280	3,609
		Infe	rred (in LOM Plan)	6.9	8.1	0.79	0.72	54	58
		Infer	red (ex. LOM Plan)	877.9	174.9	0.33	0.44	2,893	770
			Total Inferred	884.8	183.0	0.33	0.45	2,947	828
						%Mo	%Mo		
			Measured			0.015	-	43	-
			Indicated			0.015	-	121	-
	Molybdenum		ed and Indicated			0.015	_	164	-
			rred (in LOM Plan)			-	-	-	-
		Infer	red (ex. LOM Plan)			0.015	-	132	-
			Total Inferred			0.015		132	-
Mantoverde Sulphide Pro	oject <sup>(2)</sup> 100					%TCu	%TCu		
Sulphide			Measured	106.6	109.8	0.68	0.67	725	736
Flotation			Indicated	41.5	34.2	0.66	0.63	274	216
		Measur	ed and Indicated	148.1	144.0	0.67	0.66	999	951
- · · · · · · · · · · · · · · · · · · ·			Inferred	78.0	44.3	0.68	0.65	530	288
Pebble (OP/UG)(3)(4)(5)	50.0		1(4)	507.0	507.0	%TCu	%TCu	4 745	4.745
Sulphide			Measured <sup>(4)</sup>	507.9	507.9	0.34	0.34	1,715	1,715
			Indicated <sup>(5)</sup>	4,761.0	4,761.0	0.46	0.46	21,739	21,739
		ivieasui	red and Indicated Inferred <sup>(6)</sup>	<b>5,268.8</b> 2.709.5	<b>5,268.8</b> 2,709.5	<b>0.45</b> 0.32	<b>0.45</b> 0.32	<b>23,454</b> 8,587	<b>23,454</b> 8,587
Los Sulfatos <sup>(6)</sup>	50.1		merrea	2,709.5	2,709.5	%TCu	%TCu	0,007	0,007
Sulphide	50.1		Inferred	1,200	1,200	%1Cu	1.46	17,520	17,520
San Enrique Monolito <sup>(7)</sup>	50.1		iiiiciieu	1,200	1,200	%TCu	%TCu	17,020	11,020
Sulphide	30.1		Inferred	900	900	961Cu 0.81	0.81	7,290	7,290
West Wall <sup>(8)</sup>	50.0		iiiiciieu	900	900	%TCu	%TCu	1,230	1,230
Sulphide	30.0		Inferred	750	750	9.54	0.54	4,050	4,050
MINIEDAL DESCLIDOES ADE DEI	DODTED AC ADDITION	141 TO ODE D		100	130	0.04	0.04	4,000	4,000

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Mining method: OP = Open Pit, UG = Underground. Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only. Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

- (1) Quellaveco: Mineral Resources are quoted above a 0.2 %TCu cut-off. The increase in the Mineral Resources is due to a change in economic assumptions (increase in long term metal price), a change
- in the cut-off grade strategy and the addition of low-grade stockpile material.

  Mantoverde Sulphide Project: Mineral Resources are quoted above a 0.35 %TCu cut-off. The increase in Mineral Resources is primarily due to new drilling information. There is a possibility to consider Oxides together with the Sulphides. Oxide Mineral Resource estimates are as follows Measured 53.2 Mt at 0.40 %ASCu; Indicated 4.0 Mt at 0.39 %ASCu; Inferred 10.1 Mt at 0.40 %ASCu.
- (3) Pebble: The Mineral Resources are based on drilling to May 2009 and a block model finalised in December 2009. Reported Mineral Resources fall within a volume defined by resource price estimates and are based on a cut-off grade of 0.40% CuEq. Calculation of copper equivalent (CuEq) is based on long term metal prices and takes into consideration the recovery of Copper, Gold and Molybdenum. At a cut-off of 0.60% CuEq the estimate of Measured Resources is 278 Mt at 0.40% Cu, 0.42 g/t Au, 0.020% Mo while the estimate of Indicated Resources is 3,319 Mt at 0.55% Cu, 0.42 g/t Au, 0.030% Mo.
- (4) Pebble co-product estimated grades:
  Measured Gold 0.36g/t, Molybdenum 0.018%, CuEq average grade 0.66%
  Indicated Gold 0.37g/t, Molybdenum 0.027%, CuEq average grade 0.85%.
  Inferred Gold 0.31g/t, Molybdenum 0.026%, CuEq average grade 0.67%.
- Pebble: The property comprises 2,042 located Alaska State mineral claims which total 209,996 acres (84,982 hectares) and which are currently valid.
   Los Sulfatos: The reported resources include mineralisation inside a 1% nominal copper grade cut-off envelope down to the current drillhole depths of 1,000 metres below surface. The test for
- reasonable prospects of eventual economic extraction is based on an underground operation.

  San Enrique Monolito: The test for reasonable prospects of eventual economic extraction is based on an underground operation.
- (8) West Wall: The test for reasonable prospects of eventual economic extraction is based on an open pit operation to a depth of 600m below surface.

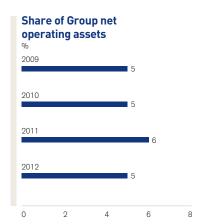
Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following projects: Quellaveco and Mantoverde Sulphide Project.

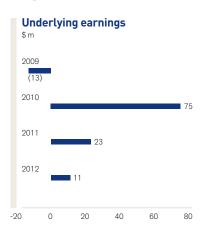
# **NICKEL**

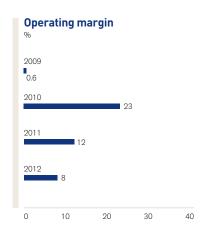
Our Nickel business unit comprises two Brazilian operating assets, Codemin and Barro Alto, both ferronickel producers in the state of Goiás.

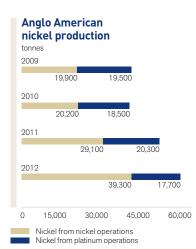
Nickel demand is linked to the stainless steel industry, which consumes two-thirds of the metal and all ferronickel production.

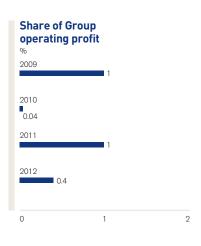
### **FINANCIAL HIGHLIGHTS**











# FINANCIAL DATA

\$ million	2012	2011	2010	2009
Turnover				
Codemin	176	203	195	157
Loma de Níquel <sup>(1)</sup>	160	285	231	191
Barro Alto <sup>(2)</sup>	_	-	-	_
Projects and Corporate	_	-	_	-
Total turnover	336	488	426	348
EBITDA				
Codemin	53	46	83	49
Loma de Níguel	46	86	82	11
Barro Alto	(7)	(12)	_	_
Projects and Corporate	(42)	(36)	(43)	(32)
Total EBITDA	50	84	122	28
Democratical and amountination	24	27	00	(00)
Depreciation and amortisation	24	21	26	(26)
Operating profit before special items and remeasurements  Codemin	47	40	76	41
Loma de Níquel	29	40 66	65	(7)
Barro Alto	(8)	(13)	00	(7)
	(42)	(36)	(45)	(32)
Projects and Corporate  Total operating profit before special items and remeasurements	26	<b>57</b>	96	(32) <b>2</b>
Operating special items and remeasurements	(184)	(72)	(51)	(88)
Operating profit after special items and remeasurements	(154)	(15)	45	(86)
Operating pront arter special items and remeasurements	(136)	(15)	45	(80)
Net interest, tax and non-controlling interests	(15)	(34)	(21)	(15)
·	` '		, ,	, ,
Underlying earnings				
Codemin	31	35	48	24
Loma de Níquel	18	29	55	17
Barro Alto	(5)	(8)	_	_
Projects and Corporate	(33)	(33)	(28)	(54)
Total underlying earnings	11	23	75	(13)
Net operating assets	2,509	2,535	2,334	1,787
Capital expenditure	100	398	525	554

<sup>(</sup>i) Anglo American ceased production at Loma de Níquel in September 2012, and the three remaining mining concessions expired in November 2012.

 $<sup>^{(2)} \ \, \</sup>mathsf{Barro\,Alto\,revenue}\,\mathsf{and}\,\mathsf{expense}\,\mathsf{capitalised}\,\mathsf{until}\,\mathsf{commercial}\,\mathsf{production}\,\mathsf{is}\,\mathsf{reached}.$ 

# BUSINESS OVERVIEW

### **UNDERLYING OPERATING PROFIT**

(2011: \$57 m)

\$26 m

## SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011: 1%)

0.4%

#### **UNDERLYING EBITDA**

(2011: \$84 m)

\$**50** m

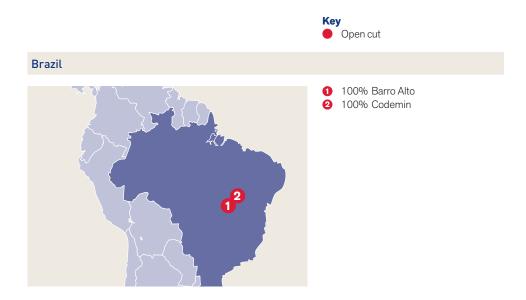
Key financial and non-financial performance indicators		
\$ million (unless otherwise stated)	2012	2011
Underlying operating profit	26	57
Underlying EBITDA	50	84
Net operating assets	2,509	2,535
Capital expenditure	100	398
Share of Group underlying operating profit	0.4%	1%
Share of Group net operating assets	5%	6%
Non-financial indicators	2012	2011
Number of fatal injuries	1	-
Lost-time injury frequency rate	0.11	0.23
Total energy consumed in 1,000 GJ	19,154	15,364
Total greenhouse gas emissions in 1,000 tonnes CO <sub>2</sub> e	1,421	1,423
Total water used for primary activities in 1,000 m <sup>3</sup>	7,090	7,138

Our Nickel business unit comprises two Brazilian operating assets:
Codemin and Barro Alto, both ferronickel producers in the state of Goiás. Within the portfolio there are also two promising early stage growth options, Jacaré and Morro Sem Boné, both laterite deposits which are also located in Brazil.

In Venezuela, despite attempts by Minera Loma de Níquel to obtain concession and permit renewal to enable a continuation of our operations, the application for renewal was refused and the concessions and permits granted by the government expired on 10 November 2012.

As of 10 November 2012, therefore, Anglo American's mining and production activities at Loma de Níquel ceased permanently and, in light of this, Anglo American has taken action to end its working relationship with the majority of its Loma de Níquel employees and is seeking to wind up the operations in an orderly fashion.

# OUR NICKEL OPERATIONS



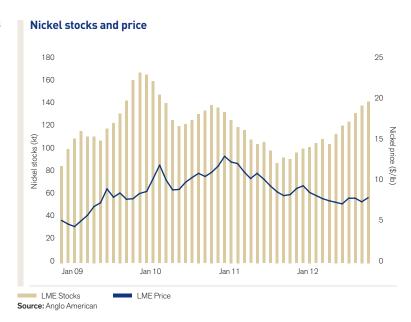
# INDUSTRY OVERVIEW

Nickel demand is linked to the stainless steel industry, which consumes around two-thirds of the metal and all ferronickel production. Nickel used in the manufacture of alloy steel and other non-ferrous alloys accounts for about 17% of nickel output.

China is the largest stainless steel producing country, with more than 44% of world production in 2012. 70% of the related nickel requirement in China is produced domestically. Of this, nickel pig iron (NPI) accounted for at least 60% in 2012. The next most important stainless steel producer is Europe, which accounts for 22% of world output, while the US produces 6%.

Nickel can be produced from two different ore types: sulphides and laterites. This has resulted in a large number of processing technologies, with varying processing costs and capital intensity. Production is concentrated among the biggest five producers, which between them are responsible for almost half of global output.

The nickel industry faced a variety of challenges in 2012. Demand was affected by the European debt crisis and the slowdown in Chinese growth. While the supply side continued to face increased capital expenditure pressure and technical issues that delayed the ramp up of many projects in the industry.

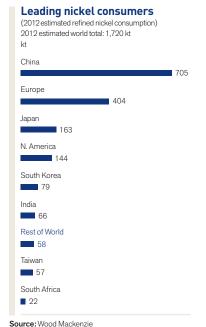


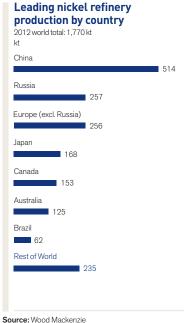
Markets Average nickel price (c/lb)	2012	2011
Average market price (LME, cash)	794	1,035
Average realised price (c/lb)	765	1,015

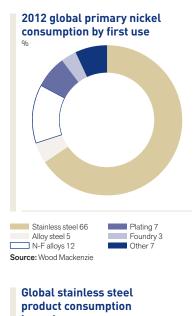
Despite the LME nickel price strengthening at the start of 2012, with the nickel price reaching 983 c/lb at the end of January 2012, prices dropped to a low of 689 c/lb in August 2012 owing to the worsening macroeconomic environment which affected stainless steel production and nickel demand.

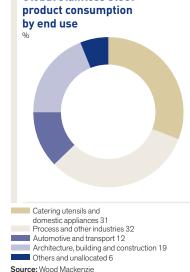
The nickel market recorded a surplus of around 50,000 tonnes for the year compared with a surplus of around 20,000 tonnes in 2011. Nickel consumption increased by an estimated 4.5% to 1.7 million tonnes, but supply also rose as a result of higher NPI production in China and the ramping up of a number of new nickel plants – even though the growth in supply from these was lower than expected as a result of problems at some of these new operations.

# MARKET INFORMATION









# **STRATEGY**

Our Nickel business focuses on the safe and responsible operation of world class assets that have long life of mine and competitive production costs. We leverage our expertise in operating ferronickel plants to ensure we have optimal processes in place across our operations; our Codemin plant celebrated 30 years of operations in 2012.

Delivery of efficient production is supported by our asset optimisation initiatives which are driving improved output, reduced costs and revenue enhancements, and will extend the lives of both our operations.

At full production, both Barro Alto and Codemin are expected to be positioned in the first half of the industry's cash cost curve.

In addition to driving value from existing operations, Nickel continues to assess its portfolio of growth options and exploration projects.

# PROJECT PIPELINE - KEY PROJECTS

Jacaré (unapproved)

Overall capex: TBD

Overall capex: TBD

### Country

Brazil

#### **Ownership**

100%

#### **Incremental production**

TBD

#### Full project capex

TBD

#### **First production**

TBD



### Morro Sem Boné (unapproved)

#### . ..

### Country

Brazil

#### Ownership

100%

#### **Incremental production**

TBD

#### Full project capex

TBD

#### **First production**

TBD

Morro Sem Boné is located in Brazil and is expected to operate in the lower half of the cost curve.

The Jacaré project is located in Brazil and, at full production, is expected to operate in the lower half of the cost curve.



# **PRODUCTION DATA**

Production (tonnes)	2012	2011	2010	2009
Codemin				
Ore mined <sup>(1)</sup>	612,600	549,900	493,900	547,700
Ore processed	581,100	562,900	488,300	512,000
Ore grade processed (% Ni)	1.81	1.9	1.9	2.1
Production	9,600	9,500	8,500	9,500
Loma de Níquel				
Ore mined	432,900	1,302,600	714,200	822,700
Ore processed	767,400	1,014,200	798,000	641,800
Ore grade processed (% Ni)	1.40	1.5	1.6	1.6
Production	8,100	13,400	11,700	10,400
Barro Alto <sup>(2)</sup>				
Ore mined	1,231,700	978,000	723,600	_
Ore processed	1,422,100	456,500	_	_
Ore grade processed (% Ni)	1.94	2.0	_	_
Production	21,600	6,200	-	_
Total Nickel segment nickel production	39,300	29,100	20,200	19,900
Platinum nickel production <sup>(3)</sup>	17,700	20,300	18,500	19,500
Total attributable nickel production	57,000	49,400	38,700	39,400

<sup>(1)</sup> Represents ore mined at Barro Alto for processing at Codemin.
(2) Barro Alto is not currently in commercial production and therefore all revenue and related costs associated with 21,600 tonnes (2011: 6,200 tonnes) of production have been capitalised.

<sup>(3)</sup> Northam Platinum Limited was transferred to a disposal group in September 2007. Production information excludes Northam Platinum Limited. Northam Platinum Limited was sold on 20 August 2008.

### **NICKEL**

#### Ore Reserve and Mineral Resource estimates as at 31 December 2012

#### **NICKEL**

The Ore Reserve and Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Ore Reserves and Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

Nickel - Operations	Mine		Tonnes				Grade	Co	Contained Metal	
ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011	2012	2011	
Barro Alto (OP)(1)	100	17		Mt	Mt	%Ni	%Ni	kt	kt	
Saprolite			Proved	23.4	21.2	1.71	1.66	401	352	
			Probable	23.4	31.0	1.51	1.55	353	481	
			Total	46.8	52.2	1.61	1.60	754	833	
Niquelândia (OP)(2)	100	22				%Ni	%Ni			
Saprolite			Proved	3.9	3.7	1.35	1.35	52	50	
·			Probable	1.0	0.9	1.32	1.33	14	12	
			Total	4.9	4.6	1.34	1.35	66	63	

Nickel – Operations			Tonnes Grad		Grade	Contained Metal		
MINERAL RESOURCES	Attributable %	Classification	2012	2011	2012	2011	2012	2011
Barro Alto (OP)	100		Mt	Mt	%Ni	%Ni	kt	kt
Saprolite		Measured	9.0	5.5	1.43	1.47	129	80
Direct Feed <sup>(3)</sup>		Indicated	5.0	1.7	1.30	1.17	65	20
		Measured and Indicated	14.0	7.2	1.38	1.40	193	100
		Inferred (in LOM Plan)	36.6	45.4	1.52	1.51	556	686
		Inferred (ex. LOM Plan)	13.1	14.8	1.18	1.21	155	179
		Total Inferred	49.7	60.2	1.43	1.44	710	865
Ferruginous Laterite		Measured	3.3	2.4	1.28	1.31	42	31
Stockpile <sup>(4)</sup>		Indicated	3.8	3.6	1.10	1.09	42	40
		Measured and Indicated	7.1	6.0	1.19	1.18	85	71
		Inferred (in LOM Plan)	1.5	_	1.07	-	16	_
		Inferred (ex. LOM Plan)	0.0	1.5	1.00	1.05	0	16
		Total Inferred	1.6	1.5	1.07	1.05	17	16
Niquelândia (OP)(5)	100				%Ni	%Ni		
Saprolite		Measured	2.8	2.9	1.25	1.26	35	37
		Indicated	2.9	3.1	1.23	1.24	35	39
		Measured and Indicated	5.7	6.0	1.24	1.25	70	75
		Inferred (in LOM Plan)	-	_	_	_	_	-
		Inferred (ex. LOM Plan)	_	_	_	_	_	_
		Total Inferred	_		_	_	_	

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Nickel - Projects			Tonnes			Grade	Contained Metal	
MINERAL RÉSOURCES	Attributable %	Classification	2012	2011	2012	2011	2012	2011
Jacaré <sup>(6)</sup>	100		Mt	Mt	%Ni	%Ni	kt	kt
Ferruginous Laterite		Measured	6.3	6.3	1.15	1.15	72	72
		Indicated	53.8	53.8	1.21	1.21	653	653
		Measured and Indicated	60.1	60.1	1.21	1.21	726	726
		Inferred	125.0	125.0	1.17	1.17	1,468	1,468
Saprolite		Measured	_	_	-	_	_	_
		Indicated	39.6	39.6	1.49	1.49	589	589
		Measured and Indicated	39.6	39.6	1.49	1.49	589	589
		Inferred	81.9	81.9	1.39	1.39	1,138	1,138

Mining method: OP = Open Pit. Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

Loma de Níquel is not reported as the mining concessions expired in November 2012 and have not been renewed.

- (1) Barro Alto Ore Reserves: The decrease is due to a change in evaluation methodology resulting in re-allocation to Mineral Resources. The decrease is partially offset by increases due to updated economic assumptions and new information enabling conversion of Mineral Resources to Ore Reserves. In 2011 the reported Mine Life considered reserves plus Inferred (in LOM Plan), however, in 2012 correctly considers only the scheduled Ore Reserves.
- Niquelândia Ore Reserves: The increase is due to revised economic assumptions which are partially offset by a change in evaluation methodology resulting in re-allocation to Mineral Resources.

  Niquelândia Mineral Resources is due to revised economic assumptions which are partially offset by a change in evaluation methodology resulting in re-allocation to Mineral Resources.
- Niquelândia Mine is adjacent to the Codemin Ferro-Nickel smelter which is fed with ore from Barro Alto which is blended with Niquelândia ore to achieve an appropriate smelter feed chemistry.

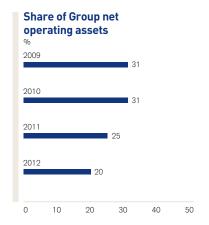
  Barro Alto Direct Feed: Mineral Resources are quoted above a 0.9 %Nicut-off, below an iron content of 30 %Fe and between a SiO<sub>2</sub>/(MgO+CaO) ratio of 1.72 to 1.8. The decrease is due to downgrading of Mineral Resources to Mineralised Inventory due to a change in resource classification which is partially offset by the change in evaluation methodology resulting in re-allocation to Mineral Resource. A surface stockpile of 5.2 Mt at 1.48 %Ni is included in the Saprolite Mineral Resources.
- (4) Barro Alto Stockpile: Material that is scheduled for stockpiling or has already been mined and stockpiled. A surface stockpile of 0.6 Mt at 1.19 %Ni is included in the Ferruginous Laterite Mineral Resources.
- (9) Niquelândia Mineral Resources: Mineral Resources are quoted above a 0.9 %Ni cut-off, below an Iron content of 30% Fe and between a SiO<sub>2</sub>/(MgO+CaO) ratio of 1.72 to 1.8. A change in the economic assumptions enabled conversion of Mineral Resources to Ore Reserves which was partially offset by a change in evaluation methodology resulting in re-allocation to Mineral Resources.
- (b) Jacaré: The Mineral Resources are reported within a pit shell developed for the Concept Study with a cut-off of 1.3 %Ni. A minimum mineralised width of 1m must be present to allow material to be categorised as higher-grade Saprolite Mineral Resource. The Saprolite Resources are a combination of higher-grade resources (>1.3 %Ni) that are expected to feed a pyrometallurgical treatment facility and lower-grade resources (1.3 0.9 %Ni) that could be used to neutralise the acid in the proposed hydrometallurgical treatment of the Ferruginous Laterite material while still recovering Nickel in the process. The Plano de Aproveitamento Economico (PAE) is under consideration by Brazil's Departamento Nacional de Produção Mineral (DNPM).

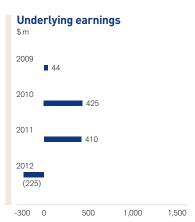
Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations: Barro Alto and Niguelândia.

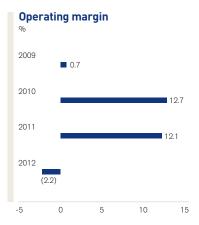
Anglo American Platinum owns the largest platinum reserves in the world and is the largest primary producer of platinum, accounting for some 40% of newly mined supply.

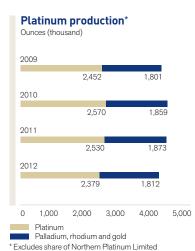
Platinum and other platinum group metals (PGMs) are primarily used in autocatalysts and jewellery. They are also employed in the chemical, electronic, glass and petroleum industries and in medical applications.

### FINANCIAL HIGHLIGHTS

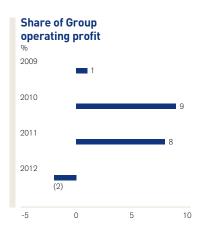


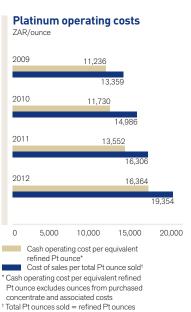






Excludes production of nickel and coppe





sold plus Pt ounces sold in concentrate

# FINANCIAL DATA

Total refined production	2012	2011	2010	2009
Platinum (troy ounces)	2,378,600	2,530,100	2,569,900	2,451,600
Palladium (troy ounces)	1,395,900	1,430,700	1,448,500	1,360,500
Rhodium (troy ounces)	310,700	337,600	328,900	349,900
Nickel (tonnes)	17,700	20,300	18,500	19,500
Turnover (\$m)	2012	2011	2010	2009
Subsidiaries and joint ventures	5,258	7,090	6,365	4,488
Associates	231	269	237	47
Total turnover	5,489	7,359	6,602	4,535
EBITDA	580	1,672	1,624	677
Depreciation and amortisation	700	782	787	645
Operating profit before special items and remeasurements	(120)	890	837	32
Operating special items and remeasurements	(921)	(6)	(72)	(104)
Operating profit after special items and remeasurements	(1,041)	884	765	(72)
Net interest, tax and non-controlling interests	(105)	(480)	(412)	12
Total underlying earnings	(225)	410	425	44
Net operating assets	10,419	11,191	13,478	12,141
Capital expenditure	822	970	1,011	1,150

# BUSINESS OVERVIEW

### UNDERLYING OPERATING (LOSS)/PROFIT

(2011: \$890 m)

\$(120) m

## SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011:8%)

(2)%

#### **UNDERLYING EBITDA**

(2011: \$1,672 m)

\$**580** m

Key financial and non-financial performance indicators								
\$ million (unless otherwise stated)	2012	2011						
Underlying operating (loss)/profit	(120)	890						
Underlying EBITDA	580	1,672						
Net operating assets	10,419	11,191						
Capital expenditure	822	970						
Share of Group underlying operating profit	(2)%	8%						
Share of Group net operating assets	20%	25%						
Non-financial indicator	2012	2011						
Number of fatal injuries	7	12						
Lost-time injury frequency rate	1.15	1.27						
Total energy consumed in 1,000 GJ	24,392	25,168						
Total greenhouse gas emissions in 1,000 tonnes CO <sub>2</sub> e	5,743	5,991						
Total water used for primary activities in 1,000 m <sup>3</sup>	28,755	31,248						

Anglo American Platinum, based in South Africa, is the world's leading primary producer of platinum, and accounts for approximately 40% of the world's newly mined production of the metal. Platinum mines, processes and refines the entire range of platinum group metals (PGMs): platinum, palladium, rhodium, ruthenium, iridium and osmium. Base metals such as nickel, copper and cobalt sulphate are important secondary products and are significant contributors to earnings.

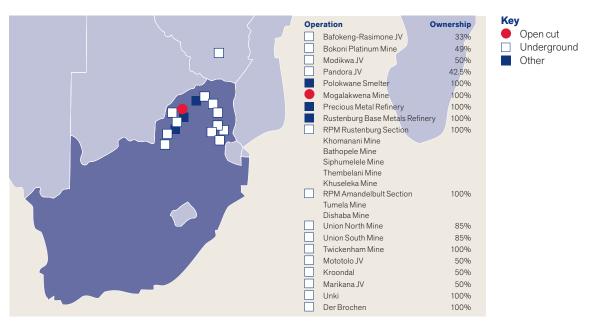
Platinum's operations exploit the world's richest reserve of PGMs, known as the Bushveld Complex, which contains PGM-bearing Merensky, UG2 and Platreef ores. Access to an excellent portfolio of ore reserves ensures Platinum is well placed to be the world's major platinum producer for many years to come.

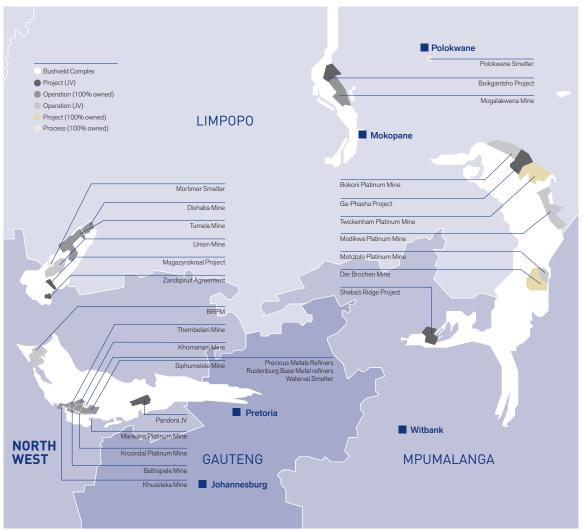
Platinum wholly owns 10 mining operations currently in production, a tailings re-treatment facility, three smelters, a base metals refinery and a precious metals refinery. Concentrating, smelting and refining of the output are undertaken at Rustenburg Platinum Mines' (RPM) metallurgical facilities.

Platinum's 100%-owned mining operations currently consist of the five mines at Rustenburg Section -Khomanani, Bathopele, Siphumelele, Thembelani and Khuseleka; Amandelbult Section's two mines, Tumela and Dishaba; as well as Mogalakwena and Twickenham mines. Union mine is 85% held, with a black economic empowerment (BEE) partner, the Bakgatla-Ba-Kgafela traditional community, holding the remainder. The Unki mine in Zimbabwe is currently wholly owned pending the implementation of the state's recently approved indigenisation plan.

Platinum also has 50:50 joint ventures with a BEE consortium, led by African Rainbow Minerals, at Modikwa platinum mine; and with XK Platinum Partnership in respect of the Mototolo mine. In addition, Platinum has 50:50 pooling and sharing agreements with Aquarius Platinum covering the shallow reserves of the Kroondal and Marikana mines. The company owns 49% of Bokoni mine and holds, through RPM, 27% of Atlatsa Resources. Platinum is in partnership with Royal Bafokeng Resources, and has a 33% shareholding in the combined Bafokeng-Rasimone platinum mine (BRPM) and Styldrift properties. Platinum, through RPM, holds 12.6% of RB Plats' issued share capital.

# OUR PLATINUM OPERATIONS





# INDUSTRY OVERVIEW

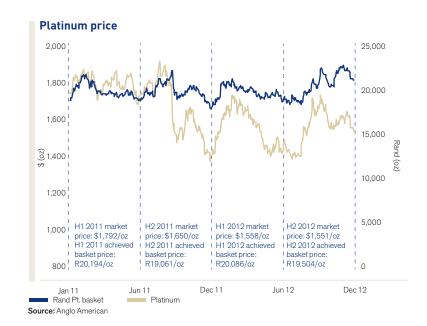
PGMs have a wide range of industrial and high technology applications. Demand for platinum is driven primarily by its use in autocatalysts to control emissions from both gasoline and diesel engine vehicles, and in jewellery. These uses are responsible for nearly 70% of total net platinum consumption. PGMs, however, have a wide range of other applications, predominantly in the chemical, electronic, medical, glass and petroleum industries.

Our Platinum business is the major funder and supporter of the Platinum Guild International (PGI), which plays a key role in encouraging demand for platinum and in establishing new platinum jewellery markets. Since 2000, China has been the leading platinum jewellery market, followed by Japan, North America and Europe.

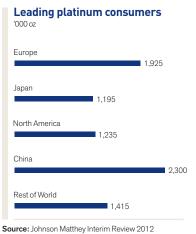
Industrial applications for platinum are driven by technology and, especially in the case of autocatalysts, by legislation. With the rapid spread of exhaust emissions legislation, more than 94% of new vehicles now have autocatalysts fitted. The intensifying stringency of emissions legislation will drive growth in PGM demand.

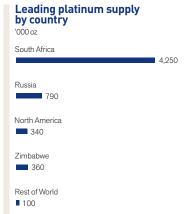
Palladium's principal application, accounting for some 67% of demand, is in autocatalysts, particularly in gasoline vehicles. The metal is also used in electronic components, dental alloys and jewellery metal.

Rhodium is an important metal in autocatalytic activity, which accounts for nearly 80% of net demand.

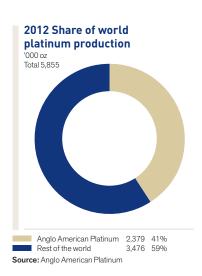


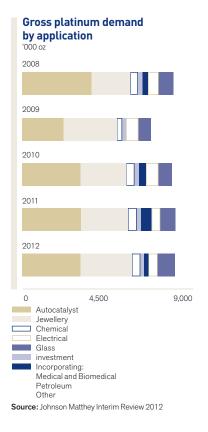
# **MARKET INFORMATION**





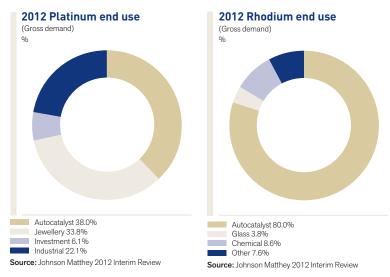
Source: Johnson Matthey Interim Review 2012

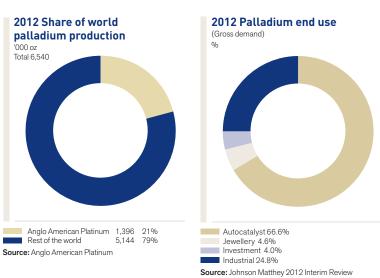




Anglo American plc Fact Book 2012/13

# MARKET INFORMATION continued





## **STRATEGY**

In reformulating its strategy,
Platinum has reviewed the business
across the entire value chain to
address structural challenges that
have eroded profitability over time
with the intention of creating a safe,
sustainable, competitive and profitable
platinum business for the long term
benefit of all its stakeholders.

This will be achieved through the alignment of baseline production with long term demand expectations, focusing on a high quality portfolio of operations to produce PGMs on an economically sustainable basis. An organisational design has been developed to ensure that the operations are supported by an appropriate level of overhead, while the commercial strategy aims to ensure value and stability for Platinum and customers, while promoting new PGM applications. Operationally, the business intends to increase exposure to lower risk, higher margin, less capital intensive mines, supporting a significant reduction in the cost base and a more efficient allocation of capital. Flexibility for long term growth options will nevertheless be retained, ensuring Platinum is well positioned should demand increase above expectation.

Platinum continues to take its social responsibility seriously, particularly to its employees and surrounding communities. The implementation of the strategy aims to deliver a stable, competitive and profitable business that will be best placed to sustain and create employment over the long term.

# PROJECT PIPELINE - KEY PROJECTS

Twickenham Overall capex: \$<2bn

#### Country

South Africa

#### **Ownership**

100% Anglo American Platinum

#### **Replacement production**

180 kozpa refined platinum

#### **Full project capex**

\$<2bn

#### **Full production**

2021

The current macroeconomic environment has resulted in Anglo American Platinum having to review its capital expenditure over the next three-year period. As a result, Twickenham Platinum Mine project will defer its current ramp-up schedule and enter into a period whereby it is required to stay in business as an operating mine without the support of significant capital funding for the next three years.

Development to support the mining scope will be confined to critical 'fit for purpose' infrastructure. During this period, Twickenham's development ore will be toll-treated by neighbouring mines.

Additional study work to improve the mine's business case will be carried out during 2013.



#### Bathopele Platinum Mine phase 4

#### Country

South Africa

#### **Ownership**

100% Anglo American Platinum

### Incremental production

65 kozpa refined platinum

#### **Full project capex**

\$<1bn

#### **Full production**

2013

Bathopele Mine is situated in the North West province of South Africa, near the town of Rustenburg and within the Western Limb of the Bushveld Complex. The mine operates under a mining right covering a total area of 17 km². Bathopele currently consists of 2 declines; namely, East and Central which have been established to exploit the UG2 reserves at 280,000 tpm. Phase 4 is an ore replacement project and a natural progression of the previous phases (1 to 3) and employs a proven mine method. It is a fully mechanised operation that mines the UG2 horizon exclusively. Two types of mechanised equipment are utilised namely Low Profile (LP) and Extra Low Profile (XLP) equipment. The mining layout applied in the LP section is bord and pillar and in the XLP section, breast mining layout is applied. The project commenced in 2008 and plans to reach steady state in 2013.



Overall capex: \$<1bn

Overall capex: \$<1bn

#### Bathopele Platinum Mine phase 5

#### Country

South Africa

#### **Ownership**

100% Anglo American Platinum

#### Replacement production

139 kozpa refined platinum

#### Full project capex

\$<1bn

#### **Full production**

2017

Bathopele Mine is situated in the North West province of South Africa, near the town of Rustenburg and within the Western Limb of the Bushveld Complex. The mine operates under a mining right covering a total area of 17 km<sup>2</sup>. Bathopele currently consists of 2 declines; namely, East and Central which have been established to exploit the UG2 reserves at 280,000 tpm. Phase 5 is an ore replacement project and a natural progression of the previous phases (1 to 4) and employs a proven mine method. It is a fully mechanised operation that mines the UG2 horizon exclusively. Two types of mechanised equipment are utilised namely Low Profile (LP) and Extra Low Profile (XLP) equipment. The mining layout applied in the LP section is bord and pillar and in the XLP section, breast mining layout is applied. The project was approved for implementation in December 2011 and plans to reach steady state in 2017. The scope of the project includes exploitation of UG2 to Bathopele Mine's boundaries by way of extension to the existing Central and East Shafts and makes provision for a new sub-outcrop decline (West Shaft) which is configured per existing declines and connected to Central Shaft by way of an upgraded roadway.



# PRODUCTION DATA

Total Refined Production					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	2,378.6	2,530.1	2,569.9	2,451.6
Palladium	000 oz	1,395.9	1,430.7	1,448.5	1,360.5
Rhodium	000 oz	310.7	337.6	328.9	349.9
Gold	000 oz	105.2	105.1	81.3	90.9
PGMs	000 oz	4,640.6	4,887.4	4,936.9	4,751.2
Nickel	000 tonnes	17.7	20.3	18.5	19.5
Copper	000 tonnes	11.4	12.8	10.9	11.2
Bathopele mine					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	115.7	118.3	141.6	133.6
Palladium	000 oz	66.3	65.8	81.8	73.9
Rhodium	000 oz	22.6	20.9	24.7	25.9
Gold PGMs	000 oz 000 oz	1.3 244.8	1.3 243.2	1.4 292.8	1.5 278.0
Nickel	000 62 000 tonnes	0.2	0.3	0.3	0.3
Copper	000 tonnes	0.1	0.1	0.3	0.5
Cash operating costs	R/oz equivalent refined Pt	15,804	13,168	10,748	10,647
- Oddin operating doots	17,02 equivalent reinieur t	10,001	10,100	10,710	10,011
Khomanani mine					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	102.8	102.2	101.1	105.5
Palladium	000 oz	49.3	47.9	47.2	47.4
Rhodium	000 oz	12.3	10.8	9.7	11.1
Gold	000 oz	4.2	4.4	4.0	4.6
PGMs	000 oz	187.1	179.7	174.6	183.1
Nickel	000 tonnes	0.6	0.7	0.7	0.7
Copper	000 tonnes	0.4	0.4	0.4	0.5
Cash operating costs	R/oz equivalent refined Pt	17,938	15,698	13,911	12,659
Thembelani mine					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	86.5	106.4	97.6	79.3
Palladium	000 oz	45.6	55.3	52.1	40.6
Rhodium	000 oz	13.5	15.5	14.1	13.0
Gold	000 oz	2.3	2.7	2.0	2.1
PGMs	000 oz	170.5	205.9	190.1	155.6
Nickel	000 tonnes	0.5	0.6	0.5	0.5
Copper	000 tonnes	0.2	0.3	0.2	0.2
Cash operating costs	R/oz equivalent refined Pt	19,787	14,776	13,126	13,972
Khuseleka mine					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	133.4	133.0	131.7	157.0
Palladium	000 oz	67.0	65.6	65.0	76.0
Rhodium	000 oz	18.4	16.6	15.2	22.0
Gold	000 oz	4.5	4.6	4.2	5.2
PGMs	000 oz	253.2	245.5	239.1	293.0
Nickel	000 tonnes	0.8	0.8	0.9	1.0
Copper	000 tonnes	0.4	0.5	0.5	0.5
Cash operating costs	R/oz equivalent refined Pt	18,236	15,958	13,477	13,118

# **PRODUCTION DATA** continued

Siphumelele mine					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	83.4	100.9	96.2	110.6
Palladium	000 oz	36.0	43.3	42.0	51.2
Rhodium	000 oz	6.8	7.5	7.2	13.1
Gold	000 oz	4.6	5.8	4.6	4.3
PGMs	000 oz	138.6	163.9	156.8	197.2
Nickel	000 tonnes	0.6	0.8	0.7	0.7
Copper Cash operating costs	000 tonnes R/oz equivalent refined Pt	0.4 16,603	0.6 13,492	0.5 12,663	0.4 13,297
Cash operating costs	K/02 equivalent relined Ft	10,003	10,432	12,003	13,231
Tumela mine					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	221.8	284.4	303.0	293.8
Palladium	000 oz	103.3	129.7	140.8	133.6
Rhodium	000 oz	38.5	46.5	45.9	46.9
Gold	000 oz	3.3	4.4	4.5	5.9
PGMs Nickel	000 oz	427.9 0.5	543.0 0.8	566.0 1.0	549.7 1.1
Copper	000 tonnes 000 tonnes	0.3	0.8	0.5	0.5
Cash operating costs	R/oz equivalent refined Pt	15,778	12,308	9,870	9,245
Dichaha mino					
Dishaba mine 100% owned					
		0010	0011	0010	0000
Refined production Platinum	unit 000 oz	2012 148.4	2011 161.9	2010 156.4	2009 150.1
Palladium	000 62 000 oz	68.6	72.6	71.8	67.3
Rhodium	000 oz	21.0	20.8	19.3	19.1
Gold	000 oz	4.1	4.8	3.7	4.9
PGMs	000 oz	272.4	291.1	278.0	267.3
Nickel	000 tonnes	0.6	0.8	0.8	0.9
Copper Cash operating costs	000 tonnes R/oz equivalent refined Pt	0.4 14,606	0.4 13,125	0.4 11,717	0.5 10,291
Union mine 85% owned from 1 December 2006 (100% statistics shown)					
Refined production					
	unit	2012	2011	2010	2009
Platinum	000 oz	213.0	273.1	304.0	291.9
Platinum Palladium	000 oz 000 oz	213.0 94.7	273.1 116.7	304.0 134.5	291.9 127.3
Platinum Palladium Rhodium	000 oz 000 oz 000 oz	213.0 94.7 39.1	273.1 116.7 47.2	304.0 134.5 46.6	291.9 127.3 49.4
Platinum Palladium Rhodium Gold	000 oz 000 oz 000 oz 000 oz 000 oz	213.0 94.7 39.1 1.8	273.1 116.7 47.2 3.4	304.0 134.5 46.6 3.5	291.9 127.3 49.4 4.5
Platinum Palladium Rhodium	000 oz 000 oz 000 oz	213.0 94.7 39.1	273.1 116.7 47.2	304.0 134.5 46.6	291.9 127.3 49.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper	000 oz 000 oz 000 oz 000 oz 000 oz	213.0 94.7 39.1 1.8 417.3	273.1 116.7 47.2 3.4 515.4 0.6 0.3	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel	000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes	213.0 94.7 39.1 1.8 417.3 0.3	273.1 116.7 47.2 3.4 515.4 0.6	304.0 134.5 46.6 3.5 566.0 0.8	291.9 127.3 49.4 4.5 550.7 0.9
Platinum Palladium Rhodium Gold PGMs Nickel Copper	000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes	213.0 94.7 39.1 1.8 417.3 0.3 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs	000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes	213.0 94.7 39.1 1.8 417.3 0.3 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine	000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes	213.0 94.7 39.1 1.8 417.3 0.3 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine 85% owned (100% statistics shown)	000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine 85% owned (100% statistics shown) Refined production Platinum Palladium	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine 85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine 85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine 85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown)	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown) Refined production	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1 - 18,627	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown) Refined production Platinum Platinum Platinum Platinum Platinum Platinum	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1 - 18,627	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown) Refined production	000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1 - 18,627	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown) Refined production	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1 - 18,627 2012 143.7 63.6 27.0 1.0 282.6	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795 2011 174.8 74.7 30.5 2.1 330.7	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz 000 oz 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1 - 18,627 2012 143.7 63.6 27.0 1.0 282.6 0.2	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795 2011 174.8 74.7 30.5 2.1 330.7 0.4	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4
Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union North mine  85% owned (100% statistics shown) Refined production Platinum Palladium Rhodium Gold PGMs Nickel Copper Cash operating costs  Union South mine  85% owned (100% statistics shown) Refined production	000 oz 000 tonnes 000 tonnes R/oz equivalent refined Pt  unit 000 oz 000 oz 000 oz 000 oz 000 tonnes R/oz equivalent refined Pt	213.0 94.7 39.1 1.8 417.3 0.3 0.1 17,061 2012 69.3 31.1 12.1 0.8 134.7 0.1 - 18,627 2012 143.7 63.6 27.0 1.0 282.6	273.1 116.7 47.2 3.4 515.4 0.6 0.3 13,263 2011 98.3 42.0 16.6 1.3 184.8 0.2 0.1 13,795 2011 174.8 74.7 30.5 2.1 330.7	304.0 134.5 46.6 3.5 566.0 0.8 0.3	291.9 127.3 49.4 4.5 550.7 0.9 0.4

# **PRODUCTION DATA** continued

1009 spread   1009						
Refine production	Mogalakwena mine					
Refine production	-					
Plelinum			0010	0011	0010	0000
Pallisdum	·					
Product						
Cold	Rhodium					
Nicked	Gold					
Copper	PGMs	000 oz	676.0	676.4	589.1	520.2
Cach personal goats	Nickel	000 tonnes	9.0			
Description						
	Cash operating costs	R/oz equivalent refined Pt	15,464	12,662	12,426	11,710
Refined production	Unki Mine (Zimbabwe)					
Pidatium	100% owned					
Pidatium	Refined production	unit	2012	2011	2010	2009
Rhodum	Platinum	000 oz	64.6	50.8	-	
Gold	Palladium	000 oz	44.5	33.9	_	-
PCMMs	Rhodium	000 oz			-	-
Nicke	Gold				_	-
Copper					-	
Cash operating costs						
	Cash operating costs	R/02 equivalent refined Pt	10,019	10,007		
Refined production	Twickenham platinum mine project					
Platinum	100% owned					
Palladium	Refined production	unit	2012	2011	2010	2009
Rhodium	Platinum	000 oz	-			7.5
Solid   Soli	Palladium	000 oz	-			
PGMs						
Nicke						
Cash operating costs   Cash operating costs						
Modikwa platinum mine   S0:50 JV with Aquarius Platinum (South Africa)   S0:50 JV with Aquarius Platinum (S0:00					_	_
Sefined production   Unit   2012   2011   2010   2009   2011   2010   2009   2011   2010   2009   2011   2010	Cash operating costs				60,773	21,662
Sefined production   Unit   2012   2011   2010   2009   2011   2010   2009   2011   2010   2009   2011   2010						
Refined production	Modikwa platinum mine					
Refined production	50:50 JV with Aguarius Platinum (South Africa)					
Platinum	, , , , , , , , , , , , , , , , , , , ,	unit	2012	2011	2010	2009
Rhodium	Platinum					
Gold         000 oz         3.6         3.5         2.9         3.7           PGMs         000 tonnes         0.4         0.5         0.5         0.6           Copper         000 tonnes         0.3         0.4         0.3         0.3           Cash operating costs         R/oz equivalent refined Pt         18,131         14,881         13,509         13,740           Kroondal platinum mine pooling-and-sharing agreement           50:50 JV with Aquarius Platinum (South Africa)         unit         2012         2011         2010         2009           Platinum         000 oz         223.4         217.6         266.7         230.7           Palladium         000 oz         113.8         106.4         132.4         110.8           Rhodium         000 oz         113.8         106.4         132.4         110.8           Rhodium         000 oz         113.8         106.4         132.4         110.8           Rhodium         000 oz         113.8         106.4         132.4         110.8           Rolladium         000 oz         436.6         445.9         522.7         458.7           Nickel         000 tonnes         0.1         0.1         0.1	Palladium	000 oz	120.3	117.5	127.1	128.0
PGMs Nickel         000 or Optomes Optomated Not Provided In the Image of Page of Page of Page optomated In the Image of Page of Page optomated In the Image of Page optomated In the Image of Page optomated In the Image o	Rhodium	000 oz				
Nickel         000 tonnes 000 tonnes 0000 tonnes 000 tonnes 0000 tonnes 000 tonnes 000 tonnes 000 tonnes 0						
Copper         000 tonnes R/oz equivalent refined Pt         0.3         0.4         0.3         0.3           Cash operating costs         R/oz equivalent refined Pt         18,131         14,881         13,569         13,740           Kroondal platinum mine pooling-and-sharing agreement           50:50 JV with Aquarius Platinum (South Africa)         unit         2012         2011         2009           Platinum         000 oz         223.4         217.6         266.7         230.7           Palladium         000 oz         113.8         106.4         132.4         110.8           Rhodium         000 oz         34.8         41.2         43.1         40.5           Gold         000 oz         1.9         1.7         1.9         2.0           PGMs         000 oz         436.6         445.9         522.7         458.7           Nickel         000 tonnes         0.1         0.1         0.1         0.1           Cash operating costs         R/oz equivalent refined Pt         16,480         14,093         11,031         10,437           Marikana platinum mine pooling-and-sharing agreement           5:50 JV with Aquarius Platinum mine pooling-and-sharing agreement           9:50:50						
Refined production (mined and purchased)   Refined Pt   18,131   14,881   13,569   13,740						
Note						
Sefined production (mined and purchased)   unit   2012   2011   2010   2009     Platinum	1 0	, ,		,	<u> </u>	,
Refined production (mined and purchased)   unit   2012   2011   2010   2009   2011   2010   2009   2011   2010   2009   2011   2010   2009   2011   2010   2009   2011   2010   2009   2011   2010	Kroondal platinum mine pooling-and-sharing agreement					
Platinum						
Palladium	Refined production (mined and purchased)	unit				
Rhodium         000 oz Old         34.8 Old         41.2 Old         43.1 Old         40.5 Old           Gold         000 oz Old         1.9 Old         1.7 Old         1.9 Old         2.0 Old           PGMs         000 oz Old Old Old         436.6 Old         445.9 Old         522.7 Old         458.7 Old           Nickel         000 tonnes Old Old Old Old         0.3 Old         0.4 Old         0.4 Old           Copper Old Old Old Old Old Old         R/oz equivalent refined Pt         16,480 Old         14,093 Old         11,031 Old           Marikana platinum mine pooling-and-sharing agreement         R/oz equivalent refined Pt         16,480 Old         14,093 Old         11,031 Old         10.437           Marikana platinum (South Africa)           Refined production (mined and purchased)         unit Old	Platinum	000 oz				
Gold         000 oz         1.9         1.7         1.9         2.0           PGMs         000 oz         436.6         445.9         522.7         458.7           Nickel         000 tonnes         0.3         0.3         0.4         0.4           Copper         000 tonnes         0.1         0.1         0.1         0.1           Cash operating costs         R/oz equivalent refined Pt         16,480         14,093         11,031         10.437           Marikana platinum mine pooling-and-sharing agreement           50:50 JV with Aquarius Platinum (South Africa)           Refined production (mined and purchased)         unit         2012         2011         2010         2009           Platinum         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         13.5         22.8         25.1         16.7           Rhodium         000 oz         6.9         8.1         7.7         6.6           Gold         000 oz         6.9         8.1         7.7         6.6           Gold         000 oz						
PGMs         000 oz         436.6         445.9         522.7         458.7           Nickel         000 tonnes         0.3         0.3         0.4         0.4           Copper         000 tonnes         0.1         0.1         0.1         0.1           Cash operating costs         R/oz equivalent refined Pt         16,480         14,093         11,031         10.437           Marikana platinum mine pooling-and-sharing agreement           50:50 JV with Aquarius Platinum (South Africa)         unit         2012         2011         2010         2009           Platinum         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         13.5         22.8         25.1         16.7           Rhodium         000 oz         6.9         8.1         7.7         6.6           Gold         000 oz         67.0         92.1         104.9         71.3           Nickel         000 tonnes         -         0.1         0.1         0.1           Copper         000 tonnes         -         -         0.1         0.1         -						
Nickel         000 tonnes         0.3         0.3         0.4         0.4           Copper         000 tonnes         0.1         0.1         0.1         0.1         0.1           Cash operating costs         R/oz equivalent refined Pt         16,480         14,093         11,031         10.437           Marikana platinum mine pooling-and-sharing agreement           Specified production (mined and purchased)         unit         2012         2011         2010         2009           Platinum         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         13.5         22.8         25.1         16.7           Rhodium         000 oz         6.9         8.1         7.7         6.6           Gold         000 oz         0.3         0.5         0.4         0.4           PGMs         000 oz         67.0         92.1         104.9         71.3           Nickel         000 tonnes         -         0.1         0.1         0.1           Copper         000 tonnes         -         -         0.1         0.1         -						
Copper Cash operating costs         000 tonnes R/oz equivalent refined Pt         0.1 16,480         0.1 14,093         0.1 10.1 10.1 10.437           Marikana platinum mine pooling-and-sharing agreement           50:50 JV with Aquarius Platinum (South Africa)           Refined production (mined and purchased)         unit         2012         2011         2010         2009           Platinum         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         13.5         22.8         25.1         16.7           Rhodium         000 oz         6.9         8.1         7.7         6.6           Gold         000 oz         0.3         0.5         0.4         0.4           PGMs         000 tonnes         -         0.1         0.1         0.1           Copper         000 tonnes         -         0.1         0.1         0.1						
Refined production (mined and purchased)   September   September						
50:50 JV with Aquarius Platinum (South Africa)       Refined production (mined and purchased)     unit     2012     2011     2010     2009       Platinum     000 oz     28.2     48.7     53.3     38.2       Palladium     000 oz     13.5     22.8     25.1     16.7       Rhodium     000 oz     6.9     8.1     7.7     6.6       Gold     000 oz     0.3     0.5     0.4     0.4       PGMs     000 co     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     0.1     -	Cash operating costs					
50:50 JV with Aquarius Platinum (South Africa)       Refined production (mined and purchased)     unit     2012     2011     2010     2009       Platinum     000 oz     28.2     48.7     53.3     38.2       Palladium     000 oz     13.5     22.8     25.1     16.7       Rhodium     000 oz     6.9     8.1     7.7     6.6       Gold     000 oz     0.3     0.5     0.4     0.4       PGMs     000 co     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     0.1     -	Marikana platinum mine pooling-and-sharing agreement					
Refined production (mined and purchased)         unit         2012         2011         2010         2009           Platinum         000 oz         28.2         48.7         53.3         38.2           Palladium         000 oz         13.5         22.8         25.1         16.7           Rhodium         000 oz         6.9         8.1         7.7         6.6           Gold         000 oz         0.3         0.5         0.4         0.4           PGMs         000 oz         67.0         92.1         104.9         71.3           Nickel         000 tonnes         -         0.1         0.1         0.1           Copper         000 tonnes         -         -         0.1         0.1         -						
Platinum     000 oz     28.2     48.7     53.3     38.2       Palladium     000 oz     13.5     22.8     25.1     16.7       Rhodium     000 oz     6.9     8.1     7.7     6.6       Gold     000 oz     0.3     0.5     0.4     0.4       PGMs     000 oz     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     0.1     -			0010	0011	0010	0000
Palladium     000 oz     13.5     22.8     25.1     16.7       Rhodium     000 oz     6.9     8.1     7.7     6.6       Gold     000 oz     0.3     0.5     0.4     0.4       PGMs     000 oz     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     -						
Rhodium     000 oz     6.9     8.1     7.7     6.6       Gold     000 oz     0.3     0.5     0.4     0.4       PGMs     000 oz     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     0.1     -						
Gold     000 oz     0.3     0.5     0.4     0.4       PGMs     000 oz     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     0.1     -						
PGMs     000 oz     67.0     92.1     104.9     71.3       Nickel     000 tonnes     -     0.1     0.1     0.1       Copper     000 tonnes     -     -     0.1     -						
Nickel         000 tonnes         -         0.1         0.1         0.1           Copper         000 tonnes         -         -         -         0.1         -	PGMs					
	Nickel					
Cash operating costs         R/oz equivalent refined Pt         20,064         16,384         13,633         11,037	Copper	000 tonnes		-		-
	Cash operating costs	R/oz equivalent refined Pt	20,064	16,384	13,633	11,037

# **PRODUCTION DATA** continued

Mototolo platinum mine					
50:50 JV with XK Platinum Partnership					
Refined production (mined and purchased)	unit	2012	2011	2010	2009
Platinum	000 oz	123.8	115.1	110.5	106.3
Palladium	000 oz	74.5	66.8	65.0	61.5
Rhodium	000 oz	18.3	17.8	18.7	17.2
Gold	000 oz	2.1	1.8	1.5	1.6
PGMs	000 oz	252.6	234.9	231.9	214.9
Nickel	000 tonnes	0.3	0.3	0.3	0.3
Copper	000 tonnes	0.1	0.1	0.1	0.1
Cash operating costs	R/oz equivalent refined Pt	12,726	11,800	10,392	9,132
Western limb tailings retreatment					
100% owned					
Refined production	unit	2012	2011	2010	2009
Platinum	000 oz	46.2	43.0	43.3	32.4
Palladium	000 oz	16.8	13.2	13.9	10.4
Rhodium	000 oz	2.7	2.1	1.9	1.8
Gold	000 oz	4.5	4.3	3.6	3.8
PGMs	000 oz	73.6	65.5	65.3	50.9
Nickel	000 tonnes	0.3	0.2	0.3	0.2
Copper	000 tonnes	0.2	0.2	0.2	0.2
Cash operating costs	R/oz equivalent refined Pt	10,230	10,251	9,110	9,621

#### Ore Reserve and Mineral Resource estimates as at 31 December 2012

#### **PLATINUM**

The Ore Reserve and Mineral Resource estimates were compiled in compliance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2007 Edition as amended July 2009). Operations and Projects outside South Africa were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. Details of the individual operations appear in Anglo American Platinum's Annual Report. Merensky Reef and UG2 Reef Mineral Resources are reported over an economic and mineable cut appropriate to the specific reef. The figures reported represent 100% of the Mineral Resources and Ore Reserves attributable to Anglo American Platinum Limited unless otherwise noted. Rounding of figures may cause computational discrepancies.

The Mineral Resource and Ore Reserve tables reflect estimates prior to the strategic announcement in January 2013. Changes associated with the strategic review will most probably result in a reallocation of reported Ore Reserves to Mineral Resources in the Rustenburg and Union areas and the impact thereof will only be reflected in the 2013 Annual Report.

Anglo American plc's interest in Anglo American Platinum Limited is 79.9%.

Platinum – South Africa Operations			Tonnes <sup>(1)</sup>		Grade <sup>(2)</sup>	Grade <sup>(2)</sup> Contained Metal <sup>(3)</sup>		Con	Contained Metal <sup>(3)</sup>		
ORE RESERVES	Classification	2012	2011	2012	2011	2012	2011	2012	2011		
Merensky Reef(4)(5)		Mt	Mt	4E PGE	4E PGE	4E tonnes	4E tonnes	4E Moz	4E Moz		
	Proved	59.8	63.9	4.79	5.05	286.5	322.7	9.2	10.4		
	Probable	22.5	49.1	4.49	5.16	100.9	253.4	3.2	8.1		
	Total	82.3	113.0	4.71	5.10	387.4	576.2	12.5	18.5		
UG2 Reef <sup>(4)(6)</sup>	Proved	389.8	390.7	4.05	4.10	1,578.7	1,600.7	50.8	51.5		
	Probable	128.6	250.0	4.46	4.78	573.6	1,194.1	18.4	38.4		
	Total	518.4	640.7	4.15	4.36	2,152.3	2,794.8	69.2	89.9		
Platreef <sup>(7)</sup>	Proved	587.5	538.8	2.75	2.84	1,617.3	1,532.3	52.0	49.3		
Proved	primary ore stockpile <sup>(8)</sup>	26.7	20.0	1.72	1.71	46.0	34.3	1.5	1.1		
	Probable	394.6	166.5	2.81	3.24	1,108.2	539.9	35.6	17.4		
	Total	1,008.9	725.4	2.75	2.90	2,771.5	2,106.6	89.1	67.7		
All Reefs	Proved	1,063.9	1,013.4	3.32	3.44	3,528.5	3,490.1	113.4	112.2		
	Probable	545.7	465.7	3.27	4.27	1,782.7	1,987.4	57.3	63.9		
	Total <sup>(9)</sup>	1,609.6	1,479.1	3.30	3.70	5,311.2	5,477.5	170.8	176.1		
Tailings <sup>(10)</sup>	Proved	-	-	-	-	-	-	-	-		
	Probable	15.9	18.9	1.02	0.86	16.1	16.2	0.5	0.5		
	Total	15.9	18.9	1.02	0.86	16.1	16.2	0.5	0.5		

Platinum – Zimbabwe Operations	<b>3</b>	Tonnes <sup>(1)</sup>			Grade <sup>(2)</sup>	Contained Metal <sup>(3)</sup>		Contained Metal(3)	
ORE RESERVES	Classification	2012	2011	2012	2011	2012	2011	2012	2011
Main Sulphide Zone(11) (12) (13)		Mt	Mt	4E PGE	4E PGE	4E tonnes	4E tonnes	4E Moz	4E Moz
	Proved	13.9	15.0	3.85	3.68	53.4	55.2	1.7	1.8
	Probable	39.8	23.7	3.73	3.85	148.5	91.2	4.8	2.9
	Total	53.7	38.7	3.76	3.79	201.9	146.5	6.5	4.7

<sup>(1)</sup> Tonnes: Quoted as dry metric tonnes.

- (9) Merensky Reef: The global Ore Reserve tonnage and 4E ounce content decreased, mainly in response to economic assumptions resulting in reallocation of Ore Reserves to Mineral Resources at Tumela Mine and Siphumelele 1 Mine. These decreases were partially offset by the increase in Ore Reserves mainly from Khuseleka Mine and Union South Mine where additional Mineral Resources have been converted to Ore Reserves. The global Ore Reserve grade decreased following the increase of the minimum resource cut from 90cm to 110cm due to improved rock support measures.
- (9) **UG2 Reef:** The global Ore Reserve tonnage and 4E ounce content decreased largely due to economic assumptions and the resulting reallocation of Ore Reserves to Mineral Resources at Tumela Mine, Twickenham Mine and Siphumelele 2 Mine. These decreases were partially offset by the increase in Ore Reserves from Union South Mine, Siphumelele 1 Mine, Kroondal Mine, Marikana Mine and Modikwa Mine where Mineral Resources have been converted to Ore Reserves. The global Ore Reserve grade decreased following the increase of the minimum resource cut from 90cm to 110cm due to an improved rock support measures.
- (7) Platreef: The Ore Reserves tonnage and 4E ounce content increased as a result of a revised pit design. Geotechnical study will commence in 2013 to validate the optimum pit design and increased mining depth. For Mogalakwena North, Central and South the 4E pay limit is 1.0 g/t. For Sandsloot and Zwartfontein South the pay limit is 1.7 g/t.
- (8) Platreef stockpiles: Mined ore retained for future treatment. These are reported separately as Proved Ore Reserves and aggregated into the summation tabulations.
- (9) Alternative units All Reefs Total: Tonnage in million short tons (Mton) and associated grade in troy ounces per short ton (oz/ton) for 2012 is: Total 1,774.3 Mton (2011: 1,630.4 Mton)

Total – 0.096 oz/ton (2011: 0.108 oz/ton)

- (10) Tailings: Operating tailings dams are not evaluated and therefore not reported as part of the Ore Reserves. At Rustenburg mines and at Union mines dormant tailings dams have been evaluated and are separately reported as tailings Ore Reserves.
- (11) Main Sulphide Zone: The Ore Reserve tonnage and 4E ounce content increased after the conversion of Mineral Resources to Ore Reserves, which followed an increase in resource confidence based on new drilling information.
- (12) Main Sulphide Zone: Anglo American Platinum currently has an effective 100% interest in Unki Mine, subject to the finalisation of the indigenisation agreement
- (13) Alternative units Main Sulphide Zone: Tonnage in million short tons (Mton) and associated grade in troy ounces per short ton (oz/ton) for 2012 is: Total 59.2 Mton (2011: 42.6 Mton)

Total – 0.110 oz/ton (2011: 0.110 oz/ton)

<sup>(2)</sup> Grade: 4E PGE is the sum of Platinum, Palladium, Rhodium and Gold grades in grammes per tonne (g/t). The reported grades are as delivered for treatment.

Concentrator recoveries for Merensky Reef range from 84% to 89%, UG2 Reef from 82% to 87%, Platreef from 64% to 74% and Main Sulphide Zone from 70% to 78%.

<sup>(3)</sup> Contained Metal: Contained Metal is presented in metric tonnes and million troy ounces (Moz).

<sup>(4)</sup> Merensky Reef and UG2 Reef: The pay limits built into the basic mining equation are directly linked to the 2013 Business plan prior to the strategic review announcement made in January 2013. The pay limit is based on Cost 4, which consists of 'Direct Cash Cost' (on and off mine), 'Other Indirect Costs' and 'Stay in Business Capital' (on and off mine). The reserve pay-limit varies across all operations between 2.0g/t and 5.6g/t (4E PGE). The range is a function of various factors including depth of the ore body, geological complexity, infrastructure and economic

#### Ore Reserve and Mineral Resource estimates as at 31 December 2012

Platinum – South Africa Operations		Tonnes <sup>(1)</sup>		Grade <sup>(2)</sup>	Grade <sup>(2)</sup> Contained Metal <sup>(3)</sup>		Contained Metal(3)		
MINERAL RESOL		2012	2011	2012	2011	2012	2011	2012	2011
Merensky Reef(4	)(5)	Mt	Mt	4E PGE	4E PGE	4E tonnes	4E tonnes	4E Moz	4E Moz
-	Measured	189.3	162.1	5.63	5.57	1,065.1	903.7	34.2	29.1
	Indicated	290.6	273.5	5.51	5.54	1,600.1	1,515.4	51.4	48.7
	Measured and Indicated	479.9	435.6	5.55	5.55	2,665.2	2,419.1	85.7	77.8
	Inferred (in LOM Plan)	9.8	22.7	6.33	8.05	62.1	182.7	2.0	5.9
	Inferred (ex. LOM Plan)	563.8	547.1	5.11	5.08	2,879.5	2,778.8	92.6	89.3
	Total Inferred	573.6	569.8	5.13	5.20	2,941.6	2,961.5	94.6	95.2
UG2 Reef(4)(6)	Measured	475.2	391.9	5.14	5.33	2,441.0	2,090.5	78.5	67.2
	Indicated	656.4	547.2	5.13	5.21	3,367.8	2,849.6	108.3	91.6
	Measured and Indicated	1,131.6	939.1	5.13	5.26	5,808.8	4,940.1	186.8	158.8
	Inferred (in LOM Plan)	7.3	9.0	5.23	4.97	38.3	44.9	1.2	1.4
	Inferred (ex. LOM Plan)	604.8	660.1	5.36	5.23	3,239.5	3,449.4	104.2	110.9
	Total Inferred	612.1	669.1	5.35	5.22	3,277.8	3,494.3	105.4	112.3
Platreef <sup>(7)</sup>	Measured	151.2	219.1	2.59	2.38	391.3	522.0	12.6	16.8
	Indicated	740.7	980.9	2.11	2.20	1,560.9	2,158.3	50.2	69.4
	Measured and Indicated	891.8	1,199.9	2.19	2.23	1,952.2	2,680.3	62.8	86.2
	Inferred (in LOM Plan)	25.8	10.0	4.05	4.15	104.5	41.3	3.4	1.3
	Inferred (ex. LOM Plan)	1,560.5	1,575.5	2.10	2.12	3,284.1	3,344.8	105.6	107.5
	Total Inferred	1,586.3	1,585.5	2.14	2.14	3,388.6	3,386.0	108.9	108.9
All Reefs	Measured	815.7	773.1	4.78	4.55	3,897.4	3,516.2	125.3	113.0
	Indicated	1,687.7	1,801.5	3.87	3.62	6,528.8	6,523.3	209.9	209.7
	Measured and Indicated <sup>(8)</sup>	2,503.4	2,574.7	4.16	3.90	10,426.2	10,039.5	335.2	322.8
	Inferred (in LOM Plan)	43.0	41.7	4.77	6.45	204.9	268.9	6.6	8.6
	Inferred (ex. LOM Plan)	2,729.1	2,782.7	3.45	3.44	9,403.1	9,572.9	302.3	307.8
	Total Inferred	2,772.1	2,824.4	3.47	3.48	9,608.0	9,841.8	308.9	316.4
Tailings <sup>(9)</sup>	Measured	87.6	87.6	1.08	1.08	94.3	94.3	3.0	3.0
	Indicated	15.1	17.9	1.13	1.13	17.0	20.2	0.5	0.6
	Measured and Indicated	102.7	105.5	1.08	1.09	111.3	114.5	3.6	3.7
	Inferred (in LOM Plan)	-	-	-	-	-	-	_	-
	Inferred (ex. LOM Plan)	-	-	-	-	-	-	-	-
	Total Inferred	_	_	_	-	_	-	_	_

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Platinum – Zimbabwe Operations		Tonnes <sup>(1)</sup>			Grade <sup>(2)</sup>		Contained Metal <sup>(3)</sup>		Contained Metal(3)	
MINERAL RESOURCES	Classification	2012	2011	2012	2011	2012	2011	2012	2011	
Main Sulphide Zone(10)(11)(12)		Mt	Mt	4E PGE	4E PGE	4E tonnes	4E tonnes	4E Moz	4E Moz	
	Measured	9.5	8.7	4.04	4.15	38.5	36.0	1.2	1.2	
	Indicated	104.1	21.2	4.23	4.13	439.7	87.5	14.1	2.8	
Measured	l and Indicated	113.6	29.8	4.21	4.14	478.2	123.5	15.4	4.0	
Inferre	d (in LOM Plan)	0.3	14.2	3.32	4.19	1.0	59.5	0.0	1.9	
Inferred	l (ex. LOM Plan)	72.3	35.5	4.58	4.09	330.8	144.9	10.6	4.7	
	Total Inferred	72.6	49.6	4.57	4.12	331.8	204.4	10.7	6.6	

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration

- (1) Tonnes: Quoted as dry metric tonnes
- (2) **Grade:** 4E PGE is the sum of Platinum, Palladium, Rhodium and Gold grades in grammes per tonne (g/t).
- (3) Contained Metal: Contained Metal is presented in metric tonnes and million troy ounces (Moz).
- (4) Merensky Reef and UG2 Reef: The Mineral Resources are estimated over a practical minimum mining width suitable for the deposit known as the 'Resource Cut'. The minimum resource cut increased from 90cm to 110cm due to the introduction of an improved support system. As a result of the increased minimum resource cut the overall Merensky Reef and UG2 Reef tonnage increased and the overall grade decreased. The 'Resource Cut' width takes cognisance of the mining method and geotechnical aspects in the hanging wall or footwall of the reef.
- (5) Merensky Reef: The Mineral Resource tonnage and 4E ounce content increased in response to the re-allocation of Ore Reserve back to Mineral Resources following economic assumptions at Tumela and Siphumelele mines. The increase in the minimum mining cut (change in mine layout) and new information contribute to the increase.
- (6) **UG2 Reef:** The Mineral Resource tonnage and 4E ounce content increased due to re-allocation of Ore Reserve to Mineral Resources after application of revised economic assumptions at Tumela, Twickenham and Siphumelele mines. New information at Pandora Mine decreased the geological loss resulting in increased Mineral Resources. A decrease of Mineral Resource occurred at Union South mine where additional Mineral Resources were converted to Ore Reserves.
- (7) Platreef: A 1.0g/t (4E PGE) cut-off has been used to define Mineral Resources. During 2012 pit design test work confirmed that Mineral Resources reported in 2011 can be mined via open pit.

  Additional Mineral Resources were converted to Ore Reserves, decreasing the Platreef Resources. No Mineral Resources applicable to underground mining have been included. However, stockpile material is included which comprises calc-silicate and oxidised material with a cut-off grade of greater than 3g/t (5.5 Mt / 0.6 Moz).
- (8) Alternative units All Reefs Measured and Indicated: Tonnage in million short tons (Mton) and associated grade in troy ounces per short ton (oz/ton) for 2012 is: Measured and Indicated 2759.5 Mton (2011: 2,838.1 Mton)
  Measured and Indicated 0.121 oz/ton (2011: 0.114 oz/ton)
- (9) Tailings: Operating tailings dams are not evaluated and therefore not reported as part of the Mineral Resources. At Rustenburg and Union mines dormant dams have been evaluated and the tailing forms part of the Mineral Resource statement.
- (10) Main Sulphide Zone: A new resource evaluation was completed covering Unki South, Helvetia, Paarl, KV and SR projects (contained within the special mining lease held by Southridge Limited). All projects are now incorporated in the Mineral Resources. As a consequence the Mineral Resources tonnage and 4E ounce content increased significantly.

  The bulk of the resources have been evaluated using a 120cm resource cut. Unki East and West have been evaluated on a 180cm resource cut to support trackless mining. The increase in tonnage and content is offset by the decrease of Mineral Resource due to additional conversion of Mineral Resources to Ore Reserves at the Unki East Mine. Oxidised material is not considered.
- (1) Main Sulphide Zone: Anglo American Platinum currently has an effective 100% interest in Southridge Limited, subject to the finalisation of the indigenisation agreement.
- (12) Alternative units Main Sulphide Zone Measured and Indicated: Tonnage in million short tons (Mton) and associated grade in troy ounces per short ton (oz/ton) for 2012 is: Total 205.3 Mton (2011: 87.6 Mton)
  Total 0.127 oz/ton (2011: 0.120 oz/ton)

### Ore Reserve and Mineral Resource estimates as at 31 December 2012

Platinum – Other Pr	rojects		Tonnes <sup>(1)</sup>		Grade <sup>(2)</sup>	Co	ntained Metal <sup>(3)</sup>	Con	tained Metal <sup>(3)</sup>
MINERAL RESOUR	CES Classification	2012	2011	2012	2011	2012	2011	2012	2011
South Africa		Mt	Mt	3E PGE	3E PGE	3E tonnes	3E tonnes	3E Moz	3E Moz
Boikgantsho(4)	Measured	_	_	_	_	_	-	_	_
Platreef	Indicated	37.0	37.0	1.30	1.30	47.9	47.9	1.5	1.5
	Measured and Indicated	37.0	37.0	1.30	1.30	47.9	47.9	1.5	1.5
	Inferred	1.8	1.8	1.14	1.14	2.1	2.1	0.1	0.1
				3E PGE	3E PGE				
Sheba's Ridge <sup>(5)</sup>	Measured	28.0	28.0	0.88	0.88	24.6	24.6	0.8	0.8
	Indicated	34.0	34.0	0.85	0.85	29.1	29.1	0.9	0.9
	Measured and Indicated	62.0	62.0	0.87	0.87	53.6	53.6	1.7	1.7
	Inferred	149.9	149.9	0.96	0.96	144.5	144.5	4.6	4.6
Brazil				3E PGE	3E PGE				
Pedra Branca <sup>(6)</sup>	Inferred	6.6	6.6	2.27	2.27	15.0	15.0	0.5	0.5

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

- (1) Tonnes: Quoted as dry metric tonnes.
- Grade: 3E PGE is the sum of Platinum, Palladium and Gold grades in grammes per tonne (g/t).
- (3) Contained Metal: Contained Metal is presented in metric tonnes and million troy ounces (Moz).
- $\textbf{Boikgantsho:} \ Anglo\ American\ Platinum\ holds\ an\ attributable\ interest\ of\ 49\%\ of\ the\ Joint\ Venture\ between\ Anglo\ American\ Platinum\ and\ Atlats\ a\ Resources.\ A\ cut-off\ grade\ of\ 1g/t\ (3E\ PGE)\ is\ properties and\ properties and$ applied for resource definition.
- (a) Sheba's Ridge: Anglo American Platinum holds an attributable interest of 35% of the Joint Venture between Anglo American Platinum, Aquarius Platinum and the South African Industrial Development Corporation (IDC). A cut-off grade of 0.5g/t (3E PGE) is applied for resource definition.
- Pedra Branca: Anglo American Platinum holds an attributable interest of 51% of the Joint Venture between Anglo American Platinum and Solitario Resources & Royalty. A cut-off of 0.7g/t (3E PGE) is applied for resource definition.

The following operations and projects contributed to the combined 2012 Ore Reserve and Mineral Resource estimates stated per reef (excluding Other Projects):

Operations:	Resource Types	%	Mine Life
Bafokeng Rasimone Platinum Mine (BRPM)	MR/UG2	33%	24
Bathopele Mine	UG2	100%	14
Bokoni Platinum Mine	MR/UG2	49%	30
Dishaba Mine	MR/UG2	100%	30
Khomanani Mine	MR/UG2	100%	15
Khuseleka Mine	MR/UG2	100%	24
Kroondal Platinum Mine	UG2	50%	6
Marikana Platinum Mine	UG2	50%	6
Modikwa Platinum Mine	MR/UG2	50%	29
Mogalakwena Mine	PR	100%	30
Mototolo Platinum Mine	UG2	50%	5*
Pandora	UG2	42.5%	26
Siphumelele 1 Mine	MR/UG2	100%	18
Siphumelele 2 Mine (School of Mines)	MR/UG2	100%	3
Thembelani Mine	MR/UG2	100%	25
Tumela Mine	MR/UG2	100%	22
Twickenham Platinum Mine	MR/UG2	100%	30
Union North Mine	MR/UG2	85%	18
Union South Mine	MR/UG2	85%	22
Unki Mine	MSZ	100%	30
Projects:		%	
Der Brochen Project	MR/UG2	100%	
Ga-Phasha PGM Project	MR/UG2	49%	
Magazynskraal Project	MR/UG2	20%	
Other Exploration Projects (portions of Driekop/Rustenburg)	MR/UG2	37.5% to 100	)%
Rustenburg – Non-Mine Projects	MR/UG2	100%	

MR = Merensky Reef, UG2 = UG2 Reef, PR = Platreef, MSZ = Main Sulphide Zone;

MC = Anglo American Platinum Limited attributable interest;

Mine Life = The extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only considering the combined MR and UG2 production where applicable;

\*Only 5 years of Ore Reserves are declared as per Xstrata policy.

Information was provided by the Joint Venture partners for the following operations and projects:

Operations – BRPM, Bokoni, Kroondal, Marikana, Modikwa, Mototolo, Pandora (only Ore Reserve information for BRPM and Modikwa)
3E Projects – Pedra Branca, Sheba's Ridge
4E Projects – Ga-Phasha, Magazynskraal

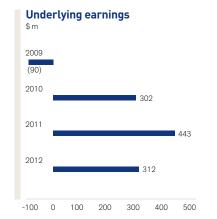
Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations: Dishaba, Mogalakwena, Tumela, Union North, Union South and Unki.

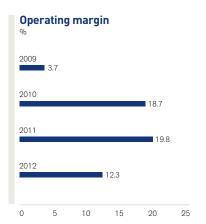
# **DIAMONDS**

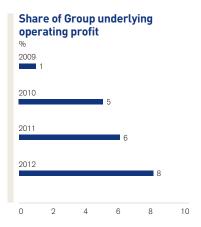
De Beers is the world's leading diamond company and generates about 35% of global rough diamond production, by value, from its operations in Botswana, South Africa, Namibia and Canada.

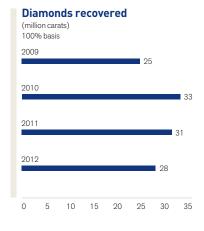
The largest diamond jewellery market is the US, followed by China, Japan and India.

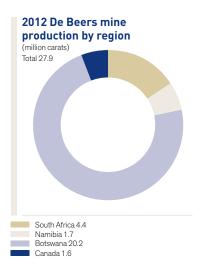
### FINANCIAL HIGHLIGHTS











# FINANCIAL DATA

\$ million	2012	2011	2010	2009
Turnover				
Subsidiaries	2,353	_	_	_
Joint ventures	_	_	_	_
Associates	1,675	3,320	2,644	1,728
Total turnover	4,028	3,320	2,644	1,728
EBITDA	711	794	666	215
Depreciation and amortisation	215	135	171	151
Operating profit before special items and remeasurements	496	659	495	64
Operating special items and remeasurements	(456)	(18)	(29)	(203)
Operating profit after special items and remeasurements	40	641	466	(139)
Net interest, tax and non-controlling interests	(184)	(216)	(193)	154
Total underlying earnings	312	443	302	(90)
Group's associate investment in De Beers <sup>(1)</sup>	n/a	2,230	1,936	1,353

<sup>(1)</sup> Excludes outstanding loans owed by De Beers, including accrued interest, of \$301 million in 2011.

## BUSINESS OVERVIEW

**UNDERLYING OPERATING PROFIT** 

(2011: \$659 m)

**\$496** m

SHARE OF GROUP UNDERLYING OPERATING PROFIT

8%

**UNDERLYING EBITDA** 

(2011: \$794 m)

**\$711**m

#### Key financial and non-financial performance indicators

	Year ended	d 31 Dec 2012	Year ended 31 Dec 2011		
\$ million (unless otherwise stated)	De Beers (100%)	Anglo American share <sup>(1)</sup>	De Beers (100%) <sup>(2)</sup>	Anglo American share <sup>(1)</sup>	
Underlying operating profit	815	496	1,491	659	
Underlying EBITDA	1,075	711	1,763	794	
Net operating assets	12,944	12,944			
Capital expenditure	249	94			
Share of Group underlying operating profit	n/a	8%			
Share of Group net operating assets	n/a	25%			
Group's associate investment in De Beers <sup>(3)</sup>	n/a	n/a	n/a	2,230	
Non-financial indicators		2012		2011	
Number of fatal injuries		3		7	
Lost-time injury frequency rate		0.13		0.15	

<sup>(1)</sup> Amounts based on the Group's 45% shareholding to 16 August 2012 and a 100% basis thereafter. Underlying earnings from 16 August 2012 excludes the 15% non-controlling interest.

De Beers is the world's leading diamond company. Together with its joint venture partners, De Beers produces approximately 35% of the world's rough diamonds, by value, and employs more than 23,000 people around the world.

In August 2012, Anglo American completed its acquisition of the 40% shareholding in De Beers, for a total cash consideration of \$5.2 billion, thereby increasing Anglo American's shareholding in De Beers to 85%. As a result of this increase in shareholding Anglo American accounts for De Beers as a subsidiary of the Group. The remaining interest is held by the Government of the Republic of Botswana (GRB).

De Beers operates across key parts of the diamond value chain, including exploration, production, the selling of rough diamonds, the marketing of polished diamonds through its proprietary diamond brand, Forevermark, and retail sales through De Beers Diamond Jewellers (DBDJ), a 50:50 joint venture with LVMH Moët Hennessy Louis Vuitton SA.

De Beers' mines are located in four countries: Botswana, Canada, Namibia and South Africa. All operations are open pit with the exception of Snap Lake, an underground mine in Canada, and Namdeb Holdings' alluvial and marine mining operations in Namibia.

In Botswana, De Beers' interests are held through Debswana Diamond Company, a 50:50 joint venture with the GRB. Debswana's operations include Jwaneng, the world's richest diamond mine; Orapa, the world's largest open-pit diamond mine; Letlhakane; and Damtshaa.

In South Africa, De Beers has a 74% interest in De Beers Consolidated Mines (DBCM), with the remaining 26% held by Ponahalo Holdings, which is a black economic empowerment consortium. DBCM's operations include Venetia, which produces about 70% of De Beers production from South Africa; Voorspoed, a source of large and exotic coloured diamonds; and Kimberley Mines, a tailings processing facility.

In Namibia, De Beers' interests are held through Namdeb Holdings (NH), a 50:50 joint venture with the Government of the Republic of Namibia (GRN). Diamonds are mined on land by Namdeb, and at sea by Debmarine Namibia, both of which are wholly owned by NH. Marine mining is performed by a fleet of five mining vessels.

<sup>(2)</sup> Underlying operating profit and underlying EBITDA for 2011 on a 100% basis is provided for information.

<sup>(3)</sup> Excludes outstanding loans owed by De Beers, including accrued interest of \$301 million in 2011.

### BUSINESS OVERVIEW continued

In Canada, De Beers wholly owns its two mining operations; Victor, located in Northern Ontario; and Snap Lake, in the Northwest Territories. De Beers also has a 51% shareholding in a joint venture in Gahcho Kué, a project in the vicinity of Snap Lake. The project is at an advanced permitting stage. When operational, Gahcho Kué is expected to produce approximately 4.5 million carats per annum over a life of mine of 11 years.

De Beers sells rough diamonds through two distribution channels: over 90% is sold via long term contract sales to clients (known as Sightholders), with the remainder being sold via regular auctions.

De Beers is also an equal joint venture partner in DTC Botswana and in Namibia DTC with the GRB and GRN, respectively. The local companies facilitate local sales and beneficiation, and are intermediaries in the global selling function.

As part of its long term contract sales, De Beers sorts and values production into 14,000 price points. These diamonds are aggregated and sold to Sightholders at one of 10 Sights each year.

De Beers is a global leader in the use of innovative online systems to auction rough, uncut diamonds to small, mid-tier and large manufacturing, retailing and trading businesses.

De Beers participates at the polished end of the value chain through its proprietary diamond brand, Forevermark, and, at the retail end, through DBDJ.

Diamonds inscribed as Forevermark provide consumers with confidence that their diamonds are beautiful, rare and responsibly sourced. They are available in carefully selected, authorised jewellers in the major consumer markets around the world.

DBDJ's high-end retail stores are located in the most fashionable areas in the world, including New York, Beijing, Hong Kong, London, Paris, Tokyo and Dubai.

Element Six is the global leader in the design, development and production of synthetic diamond supermaterials for a range of applications. It comprises two businesses: Technologies which is wholly owned; and Abrasives, in which De Beers has a 60% interest (Umicore SA hold the remaining 40%).

### **OUR DIAMONDS OPERATIONS**

#### Key

Open cut

Underground

#### Other

#### Botswana

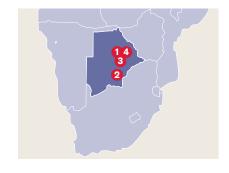
Debswana, a 50:50 partnership between De Beers and the Government of the Republic of Botswana, produced 20.2 million carats in 2012. Debswana operates two of the world's great diamond mines, Jwaneng and Orapa.

Debswana is consolidated on a 19.2% proportionate basis,  $reflecting\,economic\,interest.$ 

50% Orapa **2** 50% Jwaneng

3 50% Letlhakane

50% Damtshaa



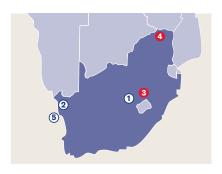
#### South Africa

De Beers Consolidated Mines (DBCM) has been an empowered South African company since 2006, with 26% owned by broad based black economic empowerment partner, Ponahalo Holdings. DBCM operates Venetia, Voorspoed and Kimberley tailings dumps, and is in the process of selling Namaqualand Mines and undertakes exploration on land and off the Atlantic coastline. In 2012, DBCM recovered 4.4 million carats.

1 74% Kimberley **2** 74% Namaqualand 3 74% Voorspoed 4

74% Venetia

**5** 74% South African Sea Areas



#### Namibia

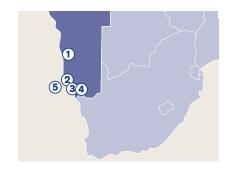
Namdeb Holdings (Pty) Limited, a 50:50 partnership between De Beers and the Government of the Republic of Namibia, has historically been a source of high value gemstones. Namdeb Holdings' core business is diamond exploration and mining along the south-western coast and inland areas of the Karas Region. Today, it is the acknowledged leader in the recovery of alluvial diamonds. In 2012 Namdeb's production was 1.7 million carats.

1 50% Alluvial contractors

2 Elizabeth Bay 50% 3 50% Mining Area 1

**4** 50% Orange River

**5** 50% Atlantic 1



### OUR DIAMONDS OPERATIONS continued



#### Canada

Victor mine and Snap Lake mine in Canada are De Beers' first mining ventures outside of the African continent. Victor is located in the James Bay lowlands of northern Ontario, about 90 km west of the First Nation community of Attawapiskat. It is so remote that it can only be accessed by air or seasonal ice road. Snap Lake lies 220 km northeast of Yellowknife and is Canada's first completely underground diamond mine. Both mines were opened in 2008. De Beers Canada is also a joint venture partner with Mountain Province Diamonds in the Gahcho Kué Project in the Northwest Territories, currently in the permitting phase. Combined output for 2012 was 1.6 million carats.





#### United Kingdom/Ireland

De Beers Diamond Jewellers (DBDJ) is an independently managed jewellery retail joint venture with Moët Hennessy Louis Vuitton SA. Globally, the DBDJ network consists of 43 stores across 15 countries. The store network is now spread across the US (10), Europe (7), Middle East (3), East Asia (14) and Japan (9). Element Six (E6) is an industrial diamond supermaterials business, supplying diverse global markets such as oil and gas, mining, construction, automotive, aerospace, defence, electronics, semiconductor and general engineering. Part of the De Beers Group of Companies, E6 is an independently managed company with primary manufacturing facilities in Ireland, China, Germany, Sweden, South Africa and the UK.

- ① Element Six (E6) (Ireland)
- 2 De Beers Diamond Jewellers
- 3 100% De Beers UK Ltd



# INDUSTRY OVERVIEW

Around 60% of the world's diamonds, by value, originate from south and central Africa, with significant sources also found in Russia, Australia and Canada.

Most diamonds come from the mining of kimberlite deposits. Another important source of gem diamonds, however, has been secondary alluvial deposits formed by the weathering of primary kimberlites and the subsequent deposition of released diamonds in rivers and beach gravels.

Rough or uncut diamonds are broadly classified either as gem or industrial quality, with gem being overwhelmingly the larger of the two markets by value. The primary world market for gem diamonds is retail jewellery, where aspects such as size, colour, shape and clarity have a large impact on valuation.

#### **Markets**

Demand for diamond jewellery in the key markets of the US, China and Japan grew, albeit at a slower pace than in 2011, with demand from India remaining broadly flat. This, together with higher polished stock levels, resulted in a decline in polished prices particularly in the third quarter of the year. Although rough diamond prices remained broadly stable in the first half of 2012, a combination of weaker polished prices, high levels of cutting centre stock and tightening liquidity in the mid-stream, resulted in a price correction during the third quarter. By the end of 2012, rough diamond prices stabilised, reflecting a modest improvement in consumer demand during the holiday sales season in most major diamond jewellery markets.

### **Operating performance**Mining and manufacturing

De Beers' full-year production declined by 11% to 27.9 million carats (2011: 31.3 million carats). In light of prevailing diamond market trends, as well as operational challenges, the company's stated strategy of producing to demand has been maintained. Operations continue to focus on maintenance and waste stripping backlogs, while a number of factors impacted production at specific sites. At Debswana, this included the Jwaneng Mine slope failure in June. DBCM saw lower grades from Venetia, and production was also impacted by

the disposal of Finsch in September 2011. Canada's Snap Lake showed significant improvement during 2012 as work continues on optimising the mine to enable economic access to the promising, though challenging, orebody.

Debmarine Namibia's *Grand Banks* mining vessel was re-commissioned in 2012 and Namdeb's Elizabeth Bay mining area was brought back into operation during the year.

Element Six experienced a challenging year, with weakness in a number of key end-markets, particularly in the second half of the year. In response, Element Six focused on cost containment and improved operational performance and made significant progress on a number of its strategic milestones, including improved customer service and innovation.

#### Sales

De Beers' total sales decreased to \$6.1 billion (100% basis), primarily as a result of diminished demand for rough diamonds, changing product requirements from Sightholders and reduced availability of some goods.

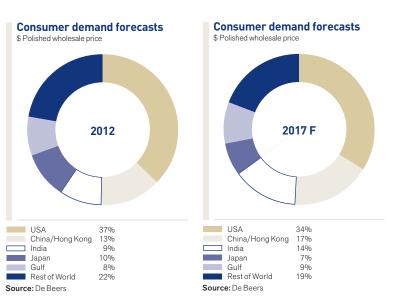
#### Brands

Forevermark continued to grow strongly in 2012, particularly in the core markets of China, Japan, India and the US, and was launched in South Africa, Canada and the UAE. It is now available in more than 900 retail partners in 12 markets. Since the launch of Forevermark, more than 500,000 diamonds have been inscribed with a unique identification number showing that they have met the brand's high standards of quality, ethical integrity and provenance.

DBDJ faced the challenging market conditions experienced by most high-end jewellers in 2012, but continued to focus on expanding its store network in China, a market of significant opportunity for high-end jewellery brands. New stores were opened in Shanghai and Nanjing, giving DBDJ five stores in China, with an additional store scheduled to open in 2013. Franchise partners will open further stores in Kuala Lumpur, Baku and Vancouver in 2013. DBDJ currently has 43 stores in leading diamond consumer markets around the world.

#### Other

The agreement entered into by De Beers in the US in 2006 to settle all outstanding class actions against it became unconditional and effective in May. The \$295 million settlement, plus interest, held in escrow since 2006 is now being distributed in accordance with the court ordered plan.



**Note:** These figures provide estimates and forecasts of the size and growth of main diamond consumer markets based on pipeline and consumer research commissioned by De Beers Group Strategy. 2012 results are preliminary.

### **STRATEGY**

De Beers' vision is to unlock the full economic value of its leadership position in the diamond industry.

De Beers is a demand-driven business, with a clear understanding that consumer desire is the overwhelming source of value for its diamonds. With growth in demand for diamonds expected to outstrip production growth in the medium to long term, the company aims to maximise the value of every carat mined, sorted and sold. To achieve this objective, De Beers focuses on optimising the value of its mining assets, selling to selected leading diamantaires and offering consumers the integrity and confidence of its brands.

# PROJECT PIPELINE - KEY PROJECTS

Jwaneng's Cut-8 Overall capex: \$3bn

#### Country

Botswana

#### Ownership

50%

#### **Replacement production**

approx. 10 million carats pa

#### **Full project capex**

\$3bn

#### **Full production**

2018

The construction of the infrastructure at Jwaneng's Cut-8 project is largely complete. Cut-8 will provide access to approximately 95 million carats of mainly high quality diamonds in approximately 80 million tonnes mined (from Indicated (24%) and Inferred (76%) Resources), and extend the life of the world's richest diamond mine to at least 2028.



#### Venetia Underground Project

#### Country

South Africa

#### **Ownership**

74%

#### Incremental production

approx. 4 million carats pa

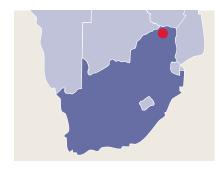
#### Full project capex

\$<3bn

#### **Full production**

2024

The Venetia Underground Project was approved by the De Beers and Anglo American Boards. Environmental authorisation was granted in July and the Environmental Management Plan was approved by the Department of Mineral Resources in October. The final outstanding regulatory clearances were obtained in February 2013 and the project will commence shortly. De Beers will invest approximately \$2 billion to build the new underground mine, which will extend the life of the resource beyond 2040 and replace the open pit as South Africa's largest diamond mine.



Overall capex: \$<3bn

Overall capex: TBD

#### Gahcho Kué (unapproved)

#### Country

Canada

#### **Ownership**

51%

#### Incremental production

4.5 million carats pa

#### Full project capex

TBD

#### **First production**

TBD

Following the finalisation of the feasibility study in 2010, Gahcho Kué has received De Beers Board approval, subject to satisfactory completion of the permitting process and receipt of certain regulatory clearances. The Environmental Impact Statement was updated in April, and the final phase of the Environmental Impact Review by the Mackenzie Valley Environmental Impact Review Board is underway. Public hearings in Yellowknife and in local Aboriginal communities were held in December, and the review panel is scheduled to file its recommendation for Federal Ministerial Approval in 2013.



# DIAMONDS RECOVERED

Botswana				
Debswana (50% owned by De Beers)				
Carats ('000)	2012	2011	2010	2009
Orapa	11,089	11,158	9,527	7,575
Letlhakane	764	1,091	1,221	1,066
Jwaneng	8,172	10,641	11,470	9,039
Damtshaa	191	_	_	54
Total	20,216	22,890	22,218	17,734
South Africa				
De Beers Consolidated Mines (74% owned by De Beers)				
Carats ('000)	2012	2011	2010	2009
Cullinan	2012	2011	2010	2009
Finsch Mine	_	938	1,583	1,426
Kimberley mines and contractors	755	778	823	397
Namagualand mines and contractors	-	-	97	71
The Oaks	_	_	_	_
Venetia	3,066	3,147	4,288	2,204
Voorspoed	611	580	732	532
South African Sea Areas	_	_	33	167
Total	4,432	5,443	7,556	4,797
Namibia				
Namdeb Holdings (50% owned by De Beers)				
Carats ('000)	2012	2011	2010	2009
Namdeb	559	345	492	329
De Beers Marine Namibia	1,108	990	980	600
Total	1,667	1,335	1,472	929
Canada				
Callada				
Carats ('000)	2012	2011	2010	2009
Victor	690	779	826	696
Snap Lake	870	881	925	444
Total	1,560	1,660	1,751	1,140
Grand total	27,875	31,328	32,997	24,600

#### Diamond Reserve and Diamond Resource estimates as at 31 December 2012

#### **DEBSWANA DIAMOND COMPANY**

The Diamond Reserve and Diamond Resource estimates were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2007 Edition as amended July 2009). The figures reported represent 100% of the Diamond Reserves and Diamond Resources. Diamond Resources are quoted as inclusive of those used to calculate Diamond Reserves and must not be added to the Diamond Reserves. Rounding of figures may cause computational discrepancies. Debswana Diamond Company is a Joint Venture with the government of the Republic of Botswana

Debswana - Operations			всо			Tonnes		Grade	Sale	able Carats
DIAMOND RESERVES	Attributable %	LOM	(mm)	Classification	2012	2011	2012	2011	2012	2011
Damtshaa (OP)(1)	42.5	17	1.65		Mt	Mt	cpht	cpht	M¢	M¢
Kimberlite				Proved	_	_	_	· –	_	_
				Probable	25.0	_	16.60	-	4.1	-
				Total	25.0	-	16.60	-	4.1	-
Jwaneng (OP)	42.5	20	1.47				cpht	cpht		
Kimberlite				Proved	_	_	_	-	_	-
				Probable	70.1	-	126.05	-	88.3	_
				Total	70.1	_	126.05	-	88.3	_
Letlhakane (OP)	42.5	4	1.65				cpht	cpht		
Kimberlite				Proved	-	-	-	-	-	-
				Probable	4.7	_	16.93	-	0.8	-
				Total	4.7		16.93	-	8.0	_
Orapa (OP)	42.5	21	1.65				cpht	cpht		
Kimberlite				Proved		-		-		-
				Probable	146.1	_	58.69	-	85.7	-
				Total	146.1	_	58.69	_	85.7	
Debswana Diamond Com	<b>pany</b> 42.5	r	nultiple	Б.			cpht	cpht		
TOTAL				Proved	-	-	-	-	-	_
				Probable	245.8	_	72.81	-	179.0	_
				Total	245.8	_	72.81		179.0	
						_				
Debswana – Operations			BCO			Tonnes		Grade		Carats
DIAMOND RESOURCES	Attributable %		(mm)	Classification	2012	2011	2012	2011	2012	2011
Damtshaa (OP)(1)	42.5		1.65		Mt	Mt	cpht	cpht	M¢	Μ¢
Kimberlite				Measured	-	_	-	-	_	-
				Indicated	29.3	_	21.46	-	6.3	-
		Meas	sured an	d Indicated	29.3	-	21.46	-	6.3	-
I	40 F		1 17	Inferred	20.5	_	23.60	-	4.8	
Jwaneng (OP) <sup>(2)</sup> Kimberlite	42.5		1.47	Magaurad	_	_	cpht	cpht	_	
Kimberiite				Measured Indicated	70.1	_	120.35	_	84.3	_
		Moor	nurod on	d Indicated	70.1 70.1	_	120.35	_	84.3	_
		iviea	sureu an	Inferred	259.9	_	103.55		269.1	
LetIhakane (OP)(3)	42.5		1.65	iiiieiieu	209.9		cpht	cpht	209.1	
Kimberlite	42.0		1.00	Measured	_	_	cprit	cprit	_	_
MIDOING				Indicated	27.4	_	28.62	_	7.8	_
		Mea	sured an	d Indicated	<b>27.4</b>	_	28.62	_	7.8	_
				Inferred	8.3	_	27.17	_	2.2	_
Orapa (OP)(4)	42.5		1.65		- 0.0		cpht	cpht		
Kimberlite				Measured	_	_	_	-	_	_
				Indicated	167.3	_	71.20	_	119.1	-
		Meas	sured an	d Indicated	167.3	_	71.20	-	119.1	_
				Inferred	349.8	-	72.48	-	253.5	-
Debswana Diamond Com	<b>pany</b> 42.5	1	multiple				cpht	cpht		
TOTAL				Measured	_	-	_	· –	-	-
				Indicated	294.1	_	74.00	-	217.6	-
		Meas	sured an	d Indicated	294.1	-	74.00	-	217.6	-
				Inferred	638.5	_	82.97	_	529.7	_
DIAMOND RESOURCES INCLUI	DE DIAMOND BESERV	/EC								

DIAMOND RESOURCES INCLUDE DIAMOND RESERVES

LOM = Life of Mine (years) is based on scheduled Probable Reserves including Indicated and some Inferred Resources considered for Life of Mine planning.

Unless stated otherwise tonnage is quoted as dry metric tonnes. Estimates of Diamond Reserve tonnes reflect the tonnage to be treated.

Reported Diamond Reserves/Resources are based on a Bottom Cut Off (BCO) which refers to the bottom screen size aperture and varies between 1.00mm and 3.00mm (nominal square mesh). Grade is quoted as carats per hundred metric tonnes (cpht).

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

consisting of 155.4 Mt, 52.83 cpht, 82.1 M¢, are excluded from the table.

Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations: Jwaneng and Orapa

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Damtshaa: Higher grade Inferred Resources from the B/K 12 Kimberlite is mined for the first five years before including Probable Reserves from BK/9. The B/K 9 and B/K 12 Stockpile Inferred Resource estimates at 1.65mm BCO consisting of 2.0 Mt, 13.10 cpht, 0.3 Mg, are excluded from the table.

Jwaneng: The Jwaneng Resource Extension Project scheduled to conclude in 2014 is expected to increase the resource confidence at depth and upgrade a significant portion of Inferred Resources to Indicated. The D/K2 Stockpile Inferred Mineral Resource estimates at 1.47mm BCO, consisting of 8.5 Mt, 46.74 cpht, 4.0 Mg as well as the Tailings Inferred Mineral Resource estimates at 1.47mm BCO, consisting of 36.9 Mt, 45.90 cpht, 17.0 M¢, are excluded from the table.

 <sup>(</sup>a) Letthakane: Mining studies are underway to investigate the conversion of resources to reserves at depth. D/K1 and DK/2 Stockpile Inferred Resource estimates at 1.65mm BCO, consisting of 4.2 Mt, 18.34 cpht, 0.8 M¢ as well as the Tailings Inferred Mineral Resource estimates at 1.72mm BCO, consisting of 77.7 Mt, 16.00 cpht, 12.4 M¢, are excluded from the table.
 (d) Orapa: The A/K1 Stockpile Inferred Resource estimates at 1.65mm BCO, consisting of 12.4 Mt, 45.39 cpht, 5.6 M¢ as well as the Tailings Inferred Mineral Resource estimates at 1.47mm BCO,

#### Diamond Reserve and Diamond Resource estimates as at 31 December 2012

#### **DE BEERS CONSOLIDATED MINES**

The Diamond Reserve and Diamond Resource estimates were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2007 Edition as amended July 2009). The figures reported represent 100% of the Diamond Reserves and Diamond Resources. Diamond Resources are quoted as inclusive of those used to calculate Diamond Reserves and must not be added to the Diamond Reserves. Rounding of figures may cause computational discrepancies. De Beers Consolidated Mines is a Joint Venture with Ponahalo Investments (Pty) Ltd.

De Beers Consolidated Mines -	Operations		всо			Tonnes		Grade		Saleable Carats
DIAMOND RESERVES A	ttributable %	LOM	(mm)	Classification	2012	2011	2012	2011	2012	2011
Venetia (OP)	62.9	9	1.00		Mt	Mt	cpht	cpht	M¢	Μ¢
Kimberlite				Proved	_	-	-	-	_	-
				Probable	33.6	_	97.50	_	32.8	-
				Total	33.6		97.50	_	32.8	
Venetia (UG)(1)	62.9	27	1.00				cpht	cpht		
Kimberlite				Proved	-	_	-	_	_	-
				Probable	91.4	_	76.53	_	70.0	-
D. D O I I I I I I I	00.0		1.00	Total	91.4		76.53	_	70.0	
De Beers Consolidated Mines TOTAL	62.9		1.00	Doored	_	_	cpht –	cpht _	_	
TOTAL				Proved Probable	125.0		82.17		102.7	_
				Total	125.0 125.0	_	82.17 <b>82.17</b>	_	102.7 <b>102.7</b>	_
				Total	125.0	<u>-</u> _	02.17	_	102.7	
						-				
De Beers Consolidated Mines -			BCO			Tonnes		Grade		Carats
	ttributable %		(mm)	Classification	2012	2011	2012	2011	2012	2011
Kimberley (OC)(2)	62.9		1.15		Mt	Mt	cpht	cpht	M¢	Μ¢
Tailings				Measured	-	-	-	_	_	-
				Indicated	_	_	_	_	_	_
		Meas	sured an	d Indicated	_	_	-	_	_	-
1 1(20)(3)	00.0		11. 1 (3)	Inferred	38.2		12.16		4.7	
Namaqualand (OC) <sup>(3)</sup> Beach and Fluvial Placers	62.9	m	ultiple <sup>(3)</sup>		_		cpht –	cpht		
Beach and Fluviai Placers				Measured		_		_	-	_
		N/		Indicated	19.3	_	10.87	_	2.1	_
		ivieas	surea an	Indicated	<b>19.3</b> 70.8	_	<b>10.87</b> 4.79	_	<b>2.1</b> 3.4	_
Venetia (OP)(4)	62.9		1.00	IIIIeIIeu	10.0		cpht	cpht	3.4	
Kimberlite	02.9		1.00	Measured	_	_	- Cprit	српі	_	_
Miniberite				Indicated	34.2	_	103.46	_	35.4	_
		Меая	ured an	d Indicated	34.2	_	103.46	_	35.4	_
		Wicus	our cu un	Inferred	29.6	_	18.12	_	5.4	_
Venetia (UG)	62.9		1.00	merred	20.0		cpht	cpht	0.1	
Kimberlite				Measured	_	_		-	_	_
,				Indicated	109.9	_	86.93	_	95.5	_
		Meas	ured an	d Indicated	109.9	_	86.93	_	95.5	_
				Inferred	70.1	_	88.10	_	61.8	_
Voorspoed (OP)(5)	62.9		1.47				cpht	cpht		
Kimberlite				Measured	-	_	-	_	_	-
				Indicated	_	_	_	_	_	-
		Meas	sured an	d Indicated	_	_	_	-	_	-
				Inferred	37.9		21.58		8.2	
De Beers Consolidated Mines	62.9	n	nultiple				cpht	cpht		
TOTAL				Measured	-	_	-	_	_	-
				Indicated	163.3	-	81.40	_	133.0	-
		Meas	sured an	d Indicated	163.3	-	81.40	_	133.0	-
				Inferred	246.7	-	33.79	_	83.4	-

DIAMOND RESOURCES INCLUDE DIAMOND RESERVES

Mining method: OP = Open Pit, UG = Underground.

LOM = Life of Mine (years) is based on scheduled Probable Reserves including Indicated and some Inferred Resources considered for Life of Mine planning.

Unless stated otherwise tonnage is quoted as dry metric tonnes. Estimates of Diamond Reserve tonnes reflect the tonnage to be treated.

Reported Diamond Reserves/Resources are based on a Bottom Cut Off (BCO) which refers to the bottom screen size aperture and varies between 1.00mm and 3.00mm (nominal square mesh). Grade is quoted as carats per hundred metric tonnes (cpht).

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

- (1) Venetia (UG): The LOM is stated as 27 years which reflects the extent of the current Mining Right at Venetia.
  (2) Kimberley: Kimberley Mines Central Treatment Plant (CTP) was initially established to treat ore from both tailings resources and underground mines. Subsequent to the conclusion of the sale Namaqualand: Bottom screen cut off details for Indicated and Inferred: 28.7 Mt, 7.56 cpht, 2.2 M¢;

  1.15 mm BCO: Indicated: 13.9 Mt, 7.04 cpht, 1.0 M¢; Inferred: 41.6 Mt, 2.26 cpht, 0.9 M¢

  - 1.47 mm BCO: Indicated: 0.2 Mt, 13.03 cpht, 20 k¢. Inferred: 0.5 Mt, 60.22 cpht, 0.3 M¢. The sale of the Namaqualand Mines to the Trans Hex Group is in progress and expected to conclude in 2013.
- Venetia (OP): The Old Recovery Tailings Inferred Resource estimate at 1.00mm BCO, consisting of 0.1 Mt, 3844.62 cpht, 2.5 M¢ is excluded from the table.

  Voorspoed: The Mining License was approved on 10 October 2006 and construction commenced in the same month after the mine being dormant for 9 decades. Mining is entirely based on Inferred Resources due to the uncertainty associated with current geoscientific knowledge. Studies are in progress to improve resource confidence and upgrade some Inferred Resources to

Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations:

#### Diamond Reserve and Diamond Resource estimates as at 31 December 2012

#### **NAMDEB HOLDINGS**

The Diamond Reserve and Diamond Resource estimates were compiled in accordance with The South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2007 Edition as amended July 2009). The figures reported represent 100% of the Diamond Reserves and Diamond Resources. Diamond Resources are quoted as inclusive of those used to calculate Diamond Reserves and must not be added to the Diamond Reserves. Rounding of figures may cause computational discrepancies. Namdeb Holdings is a Joint Venture with the government of the Republic of Namibia

Namdeb Holdings - Operation	s (Terrestrial)		всо			Tonnes		Grade	Sale	able Carats
DIAMOND RESERVES	Attributable %	LOM	(mm)	Classification	2012	2011	2012	2011	2012	2011
Elizabeth Bay (OC)	42.5	7	1.40		kt	kt	cpht	cpht	k¢	k¢
Aeolian and Marine				Proved	_	-	_	-	_	_
				Probable	1,808	-	12.78	-	231	_
				Total	1,808	-	12.78	-	231	_
Mining Area 1 (OC)	42.5	7	2.00		,		cpht	cpht		
Beaches				Proved	_	_	_	· -	_	_
				Probable	1,023	_	7.26	_	74	_
				Total	1,023	_	7.26	_	74	_
Orange River (OC)(1)	42.5	7	3.00		.,020		cpht	cpht		
Fluvial Placers	72.0	- '	0.00	Proved	_	_	-	- Cprit	_	_
TidviaiTideei3				Probable	34,994	_	1.03	_	359	_
				Total	34,994	_	1.03	_	<b>359</b>	_
Namdeb Holdings (Terrestri	(al) 42.5		nultiple	iotai	34,334				339	
TOTAL	al) 42.0	I	nunipie	Dravad			cpht _	cpht	_	
TOTAL				Proved	27.005	_				_
				Probable	37,825	-	1.76	-	664	_
				Total	37,825	-	1.76	-	664	
	(0.44)					A-00		Grada	C-1-	abla Carat-
Namdeb Holdings - Operatio			BCO			Area		Grade		able Carats
DIAMOND RESERVES	Attributable %	LOM	(mm)	Classification	2012	2011	2012	2011	2012	2011
Atlantic 1 (MM) <sup>(2)</sup>	42.5	15	1.47		k m²	k m²	cpm <sup>2</sup>	cpm <sup>2</sup>	k¢	k¢
Marine Placer				Proved	-	-	_	-	-	-
				Probable	57,033	-	0.09	-	4,935	-
				Total	57,033	_	0.09	-	4,935	
Namedah Haldinas Onamatia	(Taura atrial)					Tonnes		Grade		Carats
Namdeb Holdings – Operatio DIAMOND RESOURCES	,		BCO	01	2010		2010		0010	
	Attributable %		(mm)	Classification	2012	2011	2012	2011	2012	2011
Bogenfels (OC)(3)	42.5	m	ıultiple <sup>(2)</sup>		kt	kt	cpht	cpht	k¢	k¢
Pocket Beach and Deflation	1			Measured	_	-	_	-	_	_
				Indicated	_	-	_	-	_	-
		Meas	sured ar	nd Indicated		-		-		_
				Inferred	10,955	-	6.75	-	740	
Douglas Bay (OC)	42.5		1.40				cpht	cpht		
Aeolian and Deflation				Measured	-	-	-	-	-	-
				Indicated	1,502	-	7.39	-	111	-
		Meas	sured ar	nd Indicated	1,502	_	7.39	-	111	-
				Inferred	1,959	-	2.40	-	47	-
Elizabeth Bay (OC)	42.5		1.40				cpht	cpht		
Aeolian, Marine and Deflati	on			Measured	_	_	· –	· –	_	_
				Indicated	4,718	_	11.62	_	548	_
		Meas	sured ar	nd Indicated	4,718	_	11.62	-	548	_
				Inferred	54,034	_	4.12	_	2,224	-
Mining Area 1 (OC)(4)	42.5		2.00		,		cpht	cpht	,	
Beaches	12.0			Measured	_	_			_	_
23401100				Indicated	17,597	_	1.01	_	178	_
		Меа	sured or	nd Indicated	17,597	_	1.01	_	178	_
		ivica	Jui eu di	Inferred	281,564	_	1.09	_	3,082	_
Orange River (OC)	42.5		3.00	iiileiieu	201,004	_			3,002	
	42.5		3.00	Magging			cpht	cpht		
Fluvial Placers				Measured	100.705	-	- 0.50	-	_	_
				Indicated	109,725	-	0.50	-	544	-
		Meas	sured ar	nd Indicated	109,725	-	0.50	-	544	-
				Inferred	44,997	-	0.35	-	157	
			ما منظار بمم				cpht	cpht		
	<b>al)</b> 42.5		multiple							
Namdeb Holdings (Terrestri	<b>al)</b> 42.5		multiple	Measured	_	-	-	-	-	_
Namdeb Holdings (Terrestri	<b>(al)</b> 42.5		nulliple	Measured Indicated	133,542	- -	1.03	-	- 1,381	-
	(al) 42.5		·		133,542 <b>133,542</b>			- -	- 1,381 <b>1,381</b>	- - -

DIAMOND RESOURCES INCLUDE DIAMOND RESERVES

Footnotes appear at the end of the section.

#### Diamond Reserve and Diamond Resource estimates as at 31 December 2012

Namdeb Holdings - Operatio	ns (Offshore)	BCO		Area		Grade		Carats
DIAMOND RESOURCES	Attributable %	(mm) Classification	2012	2011	2012	2011	2012	2011
Atlantic 1 (MM) <sup>(2)</sup>	42.5	1.47	k m²	k m²	cpm <sup>2</sup>	cpm <sup>2</sup>	k¢	k¢
Marine		Measured	_	_	_	-	_	_
		Indicated	114,190	_	0.09	-	10,773	_
		Measured and Indicated	114,190	_	0.09	_	10,773	_
		Inferred	1,028,119	_	0.09	-	89,637	_
Midwater (MM) <sup>(5)</sup>	42.5	2.00			cpm <sup>2</sup>	cpm <sup>2</sup>		
Aeolian, Fluvial and Marine		Measured	_	_	_	-	_	_
		Indicated	1,339	_	0.25	-	330	_
		Measured and Indicated	1,339	_	0.25	_	330	_
		Inferred	11,336	_	0.09	-	1,031	_
Namdeb Holdings (Offshore	e) 42.5	multiple			cpm <sup>2</sup>	cpm <sup>2</sup>		
TOTAL		Measured	_	_	_	-	_	_
		Indicated	115,529	_	0.10	-	11,103	_
		Measured and Indicated	115,529	_	0.10	_	11,103	_
		Inferred	1,039,455	_	0.09	_	90,668	_

DIAMOND RESOURCES INCLUDE DIAMOND RESERVES

Mining method: OC = Open Cast, MM = Marine Mining.

LOM = Life of Mine (years) is based on scheduled Probable Reserves including Indicated and some Inferred Resources considered for Life of Mine planning.

Unless stated otherwise tonnage is quoted as dry metric tonnes. Estimates of Diamond Reserve tonnes reflect the tonnage to be treated.

Reported Diamond Reserves/Resources are based on a Bottom Cut Off (BCO) which refers to the bottom screen size aperture and varies between 1.00mm and 3.00mm (nominal square mesh).

Grade is quoted as carats per hundred metric tonnes (cpht) or as carats per square meter (cpm²). k m² = thousand square metres.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated

or Measured Resource after continued exploration.

- (1) Orange River: The mining transition from Daberas to Sendelingsdrif will be completed within the next 3 years.
  (2) Atlantic 1: Due to the high costs associated with resource development, Indicated Resources are developed on an annual basis, resulting in a 24 month rolling reserve.
  (3) Bogenfels: Bottom screen cut off details for Inferred Resource estimates are as follows:
  1.40 mm BCO: Inferred: 7,910 kt, 6.47 cpht, 510 k¢;

- 2.00 mm BCO: Inferred: 3,040 kt, 7.50 cpht, 230 k¢.

  Mining Area 1: Incremental Inferred Resource development is dependent on operations and dredging creating beach accretion for drilling and sampling. Beach accretion is a process through which an existing beach is built seaward to extend into areas previously submerged by sea water. The accretion is accomplished by sand buildup derived from current mining activities.

  The Overburden Stockpile Inferred Resource estimates at 2.00mm BCO, consisting of 24,750 kt, 0.41 cpht, 100 k¢ and the DMS Tailings Inferred Resource estimates at 2.00mm BCO, consisting of 6,6830 kt, 1.10 cpht, 740 k¢, as well as the Recovery Tailings Inferred Resource estimates at 1.40mm BCO, consisting of 340 kt, 13.26 cpht, 50 k¢, are excluded from the table.

  (a) Midwater: That part of the offshore component of the Diamond Area No. 1 (DA1) mining license covered by water depths of 30m and more below mean sea-level.

Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations: Elizabeth Bay and Atlantic 1.

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#### Diamond Reserve and Diamond Resource estimates as at 31 December 2012

#### **DE BEERS CANADA**

The Diamond Reserve and Diamond Resource estimates were compiled in accordance with Canadian National Instrument 43-101 - Standards of Disclosure for Mineral Projects (NI 43-101). The figures reported represent 100% of the Diamond Reserves and Diamond Resources. Diamond Resources are quoted as inclusive of those used to calculate Diamond Reserves and must not be added to the Diamond Reserves. Rounding of figures may cause computational discrepancies.

De Beers Canada - Operati	ons		всо			Tonnes		Grade	Sale	able Carats
DIAMOND RESERVES	Attributable %	LOM	(mm)	Classification	2012	2011	2012	2011	2012	2011
Snap Lake (UG)(1)	85.0	18	1.14		Mt	Mt	cpht	cpht	M¢	М¢
Kimberlite				Proved	-	-	-	-	_	-
				Probable	1.6	-	123.07	-	2.0	-
				Total	1.6	_	123.07	-	2.0	
Victor (OP)	85.0	6	1.50				cpht	cpht		
Kimberlite				Proved	_	_	-	-	-	-
				Probable	12.1	-	19.42	-	2.3	-
				Total	12.1	_	19.42	-	2.3	
De Beers Canada Inc.	85.0	r	nultiple				cpht	cpht		
TOTAL				Proved	_	-	-	-	-	-
				Probable	13.7	-	31.68	-	4.3	-
				Total	13.7	-	31.68	-	4.3	
						Tonnes		Grade		Carats
De Beers Canada - Operation			BCO							
DIAMOND RESOURCES	Attributable %		(mm)	Classification	2012	2011	2012	2011	2012	2011
Snap Lake (UG)(1)	85.0		1.14		Mt	Mt	cpht	cpht	M¢	Μ¢
Kimberlite				Measured	-	-	-	-	-	-
				Indicated	2.5	_	189.27	-	4.7	-
		Meas	sured an	d Indicated	2.5	-	189.27	-	4.7	-
V (0.5)	05.0		1.50	Inferred	23.1	-	176.54	-	40.9	
Victor (OP)	85.0		1.50				cpht	cpht		
Kimberlite				Measured	-	_	10.04	-	-	-
				Indicated	12.9	-	19.34	-	2.5	-
		Meas	sured an	d Indicated	12.9	_	19.34	-	2.5	-
De Beere Conside Inc	85.0			Inferred	17.9	_	22.17	-	4.0	
De Beers Canada Inc. TOTAL	85.0	r	nultiple	Manager	_	_	cpht	cpht	_	
TOTAL				Measured Indicated		_	40.07	-	7.2	_
		Maa		indicated	15.4	_	46.87 <b>46.87</b>	_	7.2 <b>7.2</b>	_
		ivieas	sured an	Inferred	<b>15.4</b> 41.1	_	109.16	_	44.8	_
DIAMOND RESOURCES INCLUE	DE DIAMOND RESERV	/FS		illielleu	41.1		109.10		44.0	
						_		0 1	0.1	
De Beers Canada – Projects	S		BCO	-		Tonnes	<del></del>	Grade		able Carats
DIAMOND RESERVES	Attributable %	LOM	(mm)	Classification	2012	2011	2012	2011	2012	2011
Gahcho Kué (OP)(2)	43.4	11	1.00		Mt	Mt	cpht	cpht	M¢	Μ¢
Kimberlite				Proved	_	_	_	-	-	-
Kimberlite				Probable	31.0	-	153.71	-	47.6	-
										_
				Total	31.0		153.71		47.6	
				Total	31.0		153.71		47.6	Carata
De Beers Canada – Projects			BCO (mm)			Tonnes		Grade		Carats
DIAMOND RESOURCÉS	Attributable %		(mm)	Total  Classification	2012	Tonnes 2011	2012	Grade	2012	2011
DIAMOND RESOURCÉS Gahcho Kué (OP)(2)				Classification	<b>2012</b> Mt	Tonnes 2011 Mt	<b>2012</b> cpht	Grade 2011 cpht	<b>2012</b> M¢	2011
DIAMOND RESOURCÉS	Attributable %		(mm)	Classification  Measured	<b>2012</b> Mt –	Tonnes 2011 Mt	2012 cpht	Grade	2012 M¢	2011
DIAMOND RESOURCÉS Gahcho Kué (OP)(2)	Attributable %	Mess	(mm) 1.00	Classification	<b>2012</b> Mt	Tonnes 2011 Mt	<b>2012</b> cpht	Grade 2011 cpht	<b>2012</b> M¢	

DIAMOND RESOURCES INCLUDE DIAMOND RESERVES

Audits related to the generation of the Ore Reserve and Mineral Resource estimates were carried out by independent consultants during 2012 at the following operations:

Mining method: OP = Open Pit, UG = Underground.

LOM = Life of Mine (years) is based on scheduled Probable Reserves including Indicated and some Inferred Resources considered for Life of Mine planning.

Unless stated otherwise tonnage is quoted as dry metric tonnes. Estimates of Diamond Reserve tonnes reflect the tonnage to be treated.

Reported Diamond Reserves/Resources are based on a Bottom Cut Off (BCO) which refers to the bottom screen size aperture and varies between 1.00mm and 3.00mm (nominal square mesh). Grade is quoted as carats per hundred metric tonnes (cpht).

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated

or Measured Resource after continued exploration.

<sup>(1)</sup> Snap Lake: Due to the high costs associated with resource development, Indicated Resources are continuously developed from underground infrastructure ahead of the mining face, resulting in an 18 month rolling reserve

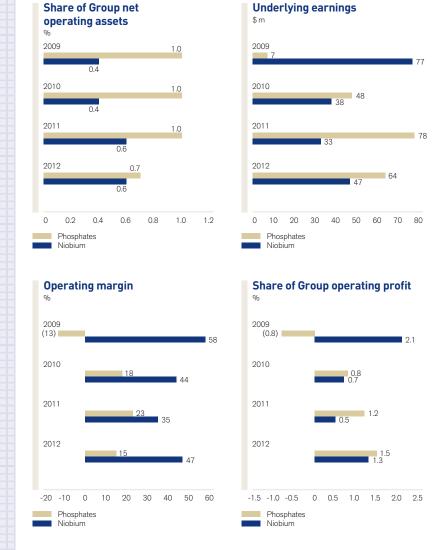
<sup>(9)</sup> Gahcho Kué: The project approval is subject to the successful conclusion of permitting and regulatory approvals. Gahcho Kué is a Joint Venture between De Beers Canada Inc. and Mountain

# OTHER MINING AND INDUSTRIAL

Anglo American is the second largest integrated phosphate fertiliser producer in Brazil.

Our Niobium business unit is located in the cities of Catalão and Ouvidor, in Goiás state, Brazil, and is one of the world's three principal niobium producers.

### **FINANCIAL HIGHLIGHTS**



# **FINANCIAL DATA**

\$ million	2012	2011	2010	2009
Turnover				
Amapá <sup>(1)</sup>	327	481	_	-
Tarmac <sup>(2)</sup>	2,171	2,347	2,376	2,870
Skorpion <sup>(3)</sup>	_	-	311	236
Lisheen <sup>(3)</sup>	_	36	265	208
Black Mountain <sup>(3)</sup>	_	5	197	148
Scaw Metals <sup>(4)</sup>	798	931	1,579	1,384
Phosphates <sup>(5)</sup>	597	571	461	320
Niobium <sup>(5)</sup>	173	149	152	184
Coal Americas <sup>(5)</sup>	_	_	_	165
Tongaat Hulett/Hulamin <sup>(6)</sup>	_	_	_	393
Namakwa Sands	_	_	_	_
Projects and corporate	_	_	_	_
Total turnover	4,066	4,520	5,375	5,908
EDITO A				
EBITDA				
Amapá <sup>(1)</sup>	89	147	_	-
Tarmac <sup>(2)</sup>	148	103	188	313
Skorpion <sup>(3)</sup>	_	_	154	100
Lisheen <sup>(3)</sup>	_	17	114	74
Black Mountain <sup>(3)</sup>	_	3	73	59
Scaw Metals <sup>(4)</sup>	60	67	213	172
Phosphates <sup>(5)</sup>	114	158	104	(9)
Niobium <sup>(5)</sup>	85	55	71	111
Coal Americas <sup>(5)</sup>	_	_	_	6
Tongaat Hulett/Hulamin <sup>(6)</sup>	_	_	_	73
Namakwa Sands	_	_	_	_
Projects and corporate	(11)	(10)	(23)	(21)
Total EBITDA	485	540	894	878
TOTAL ESTIBIT				
Depreciation and amortisation	148 337	225	230	372 506
Operating profit before special items and remeasurements		315	(100)	
Operating special items and remeasurements	(28)	(70)	(100)	(145)
Operating profit after special items and remeasurements	309	245	564	361
Net tax and non-controlling interests	(108)	(140)	(143)	(103)
Underlying earnings				
Ut which:				
	27	68	_	_
Amapá <sup>(1)</sup>	27 65	68 (34)		- 81
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup>	27 65	68 (34)	67	81 40
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup>	65 -	(34)	67 133	40
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup>	65 - -	(34) - 14	67 133 99	40 67
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup>	65 - - -	(34) - 14 1	67 133 99 47	40 67 60
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup>	65 - - - - 37	(34) - 14 1 25	67 133 99 47 119	40 67 60 70
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(5)</sup>	65 - - 37 64	(34) - 14 1 25 78	67 133 99 47 119 48	40 67 60 70 7
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(5)</sup> Niobium <sup>(5)</sup>	65 - - - - 37	(34) - 14 1 25 78 33	67 133 99 47 119 48 38	40 67 60 70 7 77
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(5)</sup> Niobium <sup>(5)</sup> Coal Americas <sup>(5)</sup>	65 - - 37 64 47	(34) - 14 1 25 78 33 -	67 133 99 47 119 48 38	40 67 60 70 7 77 (12
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(6)</sup> Niobium <sup>(6)</sup> Coal Americas <sup>(6)</sup> Tongaat Hulett/Hulamin <sup>(6)</sup>	65 - - 37 64 47 - -	(34) - 14 1 25 78 33 - -	67 133 99 47 119 48 38	40 67 60 70 7 77
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(6)</sup> Niobium <sup>(6)</sup> Coal Americas <sup>(6)</sup> Tongaat Hulett/Hulamin <sup>(6)</sup> Namakwa Sands	65 - - 37 64 47 - -	(34) - 14 1 25 78 33 - -	67 133 99 47 119 48 38 - -	40 67 60 70 7 77 (12) 31
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(5)</sup> Niobium <sup>(5)</sup> Coal Americas <sup>(5)</sup> Tongaat Hulett/Hulamin <sup>(6)</sup> Namakwa Sands Projects and corporate	65 - - 37 64 47 - - (11)	(34) - 14 1 25 78 33 - - (10)	67 133 99 47 119 48 38 - - (30)	40 67 60 70 7 77 (12) 31 – (18)
Of which: Amapá <sup>(1)</sup> Tamac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(6)</sup> Niobium <sup>(6)</sup> Coal Americas <sup>(6)</sup> Tongaat Hulett/Hulamin <sup>(6)</sup> Namakwa Sands Projects and corporate Total underlying earnings	65 - - 37 64 47 - - (11) 229	(34) - 14 1 25 78 33 (10) 175	67 133 99 47 119 48 38 - - (30) <b>521</b>	40 67 60 70 7 77 (12) 31 - (18) 403
Amapá <sup>(1)</sup> Tarmac <sup>(2)</sup> Skorpion <sup>(3)</sup> Lisheen <sup>(3)</sup> Black Mountain <sup>(3)</sup> Scaw Metals <sup>(4)</sup> Phosphates <sup>(6)</sup> Niobium <sup>(6)</sup> Coal Americas <sup>(6)</sup> Tongaat Hulett/Hulamin <sup>(6)</sup> Namakwa Sands Projects and corporate	65 - - 37 64 47 - - (11)	(34) - 14 1 25 78 33 - - (10)	67 133 99 47 119 48 38 - - (30)	40 67 60 70 7 77 (12) 31 – (18)

<sup>(1)</sup> In 2012 Amapá has been reclassified from Iron Ore and Manganese to Other Mining and Industrial to align with internal management reporting. 2011 comparatives have been reclassified to align with current presentation.

<sup>(2)</sup> In the year ended 31 December 2011 the Group sold Tarmac's businesses in China, Turkey and Romania.

<sup>(3)</sup> Skorpion, Lisheen and Black Mountain comprised the Group's portfolio of zinc operations. The Group sold its interest in the Skorpion mine in December 2010 and its interests in Lisheen and Black Mountain in February 2011.

<sup>(9)</sup> In 2011, Peace River Coal was reclassified from Other Mining and Industrial to Metallurgical Coal to align with internal management reporting, and Phosphates and Niobium are considered core within the Other Mining and Industrial segment following a strategic review. 2010 comparatives have been reclassified to a lign with 2011 presentation.

 $<sup>^{(6)} \ \ \, \</sup>text{The Group's investments in Tongaat Hulett and Hulamin were disposed of in August 2009 and July 2009, respectively.}$ 

# BUSINESS OVERVIEW

#### **UNDERLYING OPERATING PROFIT**

(2011: \$315 m)

\$337 m

### SHARE OF GROUP UNDERLYING OPERATING PROFIT

(2011: 3%)

**5**%

#### **UNDERLYING EBITDA**

(2011: \$540 m)

\$485 m

Key financial and non-financial performance indicators		
\$ million (unless otherwise stated) <sup>(1)</sup>	2012	2011
Underlying operating profit	337	315
Phosphates	91	134
Niobium	81	52
Amapá	54	120
Tarmac	73	(38)
Scaw Metals	49	37
Zinc	_	20
Corporate	(11)	(10)
Underlying EBITDA	485	540
Net operating assets	786	3,843
Capital expenditure	260	225
Share of Group underlying operating profit	5%	3%
Share of Group net operating assets	2%	9%
Non-financial indicators <sup>(2)</sup>	2012	2011
Number of fatal injuries		
Phosphates and Niobium	-	-
Amapá, Tarmac and Scaw Metals	1	1
Lost-time injury frequency rate		
Phosphates and Niobium	0.39	0.15
Amapá, Tarmac and Scaw Metals	0.25	0.21
Total energy consumed in 1,000 GJ <sup>(3)</sup>	2,710	2,222
Total greenhouse gas emissions in 1,000 tonnes $\rm CO_2e^{(3)}$	93	65
Total water used for primary activities in 1,000 m <sup>3 (3)</sup>	8,313	8,569

<sup>(1)</sup> In 2012, Amapá was reclassified from Iron Ore and Manganese to Non-core within the Other Mining and Industrial segment to align with internal management reporting. Financial comparatives have been reclassified to align with current presentation.

#### **Phosphates**

Our Phosphates business is the second largest integrated phosphate fertiliser producer in Brazil. Its operations are vertically integrated, covering mining of phosphate ore, beneficiation of the ore to produce phosphorus pentoxide ( $P_2O_5$ ) concentrate, and processing into intermediate and final products.

Our phosphates mine at Ouvidor, in Goiás state, currently produces, on average, around 5.9 Mt of ore per annum (dry basis). It is a prime phosphate deposit, containing some of Brazil's highest grades of ore (approximately 13%  $P_2O_5$ ). The company has approximately 15% of current Brazilian phosphate mineral resources and has a remaining mine life of 40 years at current production rates.

<sup>(2)</sup> In a given year, non-financial data is reported within the business unit that had management control of the operation, therefore non-financial data for Amapá is reported within OMI and Iron Ore Brazil for 2012 and 2011 respectively.

 $<sup>\,^{(3)}\,</sup>$  Non-financial performance data given for Phosphates and Niobium only.

### BUSINESS OVERVIEW continued

Run-of-mine phosphate ore is treated at a beneficiation facility on the same site, and approximately 1.36 million tonnes per annum (Mtpa) of final phosphate concentrate is produced at an average grade of around 35% P<sub>2</sub>O<sub>5</sub>. Phosphates operates two chemical processing complexes: one in Catalão in Goiás, the other at Cubatão in the state of São Paulo. The company produces a wide variety of products for the Brazilian agriculture sector, including low analysis (approximately  $20\% P_2O_5$  content) and high analysis (40%- $55\% P_2O_5$  content) phosphate fertilisers, dicalcium phosphate (DCP) for the animal feed industry, as well as phosphoric and sulphuric acids for the food and animal feed industries.

#### **Niobium**

Our Niobium business is located in the cities of Catalão and Ouvidor, in Goiás state, Brazil, and is one of the world's three principal niobium producers.

In operation since 1973, our Boa Vista mine produces and exports approximately 4,000 tonnes of niobium per year. Now, approaching the end of the weathered ore, the Niobium business is investing in adapting the existing plant to process fresh rock.

### FINANCIAL AND OPERATIONAL OVERVIEW

#### Safety and environment

In 2012, no fatalities were recorded in Phosphates and Niobium, however the LTIFR increased to 0.39 (2011: 0.15). All 14 injuries were of low potential severity and most involved injury to hands and feet. The lessons learned from the incident investigations are being used to improve risk assessment, promote safe behaviour and prevent unsafe operating conditions.

Water consumption was marginally reduced as more water was re-used, particularly at the phosphate operations. While energy consumption decreased year on year,  $\mathrm{CO}_2$  emissions increased due to an alignment of conversion factors with Group standards.

#### **Markets**

#### Phosphates

Fertiliser demand in Brazil rose around 4% in 2012, reflecting the strong fundamentals of the Brazilian agricultural sector. Brazilian fertiliser consumption has been growing faster than the global average and this performance is expected to continue in future years, supported by favourable weather conditions, plentiful access to water and the widespread use of advanced farming techniques by Brazilian farmers. Continued high prices of soybean and corn have also incentivised farmers to increase grain production through more intensive fertiliser application.

This favourable market scenario resulted in Phosphates reporting a record fertiliser sales performance of 1.2 Mt for the year.

#### **Niobium**

Global steel mill activity was subdued in 2012, with producers reluctant to resume idle operations, replenish stocks, and to commit to further investment in their businesses. Despite the challenging environment, however, increased production of HSSA in both emerging and developed countries, ensured that niobium demand remained strong for the year.

### **Operating performance Phosphates**

Despite record fertiliser sales, underlying operating profit decreased by 32% to \$91 million, driven mainly by unfavourable international fertiliser prices, coupled with increased labour costs and general inflationary pressures. DCP sales were also adversely affected by difficulties in the cattle industry, which had a negative impact on the operating results.

Phosphates production increased by 5% to a record of 1.1 Mt, due to a number of asset optimisation initiatives which improved overall performance at Catalão and Cubatão.

#### Niobium

Niobium generated an underlying operating profit of \$81 million, a 56% increase over 2011. Sales volumes of niobium rose by 15%, mainly due to

an increase in production arising from a better performance at the tailings plant and improvements in the concentration process at the Boa Vista mine. Unit production costs declined owing to lower aluminium and power prices and more efficient use of consumables, combined with the impact of higher production.

#### **Projects**

#### Niobium

The Boa Vista Fresh Rock project continued to make progress, with additional capital expenditure approved in June 2012. The existing plant will be adapted to process new rock instead of oxide ore, leading to an increase in production capacity to approximately 6,500 tonnes of niobium per year (2012: 4,400 tonnes).

#### **Outlook**

#### **Phosphates**

Strong grain prices continue to support fertiliser demand, and fertiliser prices are expected to remain high during 2013. The market expects farmers to expand the area given over to agriculture, as the current ratio between fertiliser and grain prices remains positive.

In addition, the high level of corn prices will be a motivating factor for an aggressive 'mini crop' (a smaller secondary crop, mainly corn, grown in the first half of the year) in the first quarter of 2013.

#### Niobium

Demand is expected to remain subdued in Europe and in Pacific Rim/East Asian countries, such as Japan, South Korea and, to a lesser degree, China.

Production is expected to decline in 2013, owing to lower grades and recoveries as lower quality ore is extracted from Boa Vista mine as it approaches the end of the weathered ore and encounters lower grades and higher contaminants. Tailings production is also expected to decrease as a result of lower niobium grades contained in the phosphate tailings.

### BUSINESS OVERVIEW continued

#### **AMAPÁ**

Amapá generated an underlying operating profit of \$54 million, a decrease of \$66 million on the prior year.

Production increased significantly, in line with planned ramp up and also due to higher mass recovery in the beneficiation plant as a result of the plant's improved stability. The operation is now at design production capacity. Higher sales were also achieved following fewer delays associated with transportable moisture limits. Transhipment at Trinidad and Tobago from smaller capacity Handymax to the larger capacity Capesize vessels for onward shipment to the Middle and Far East was successfully implemented in the second half of 2012.

The favourable impact of improved production and higher sales, however, was more than offset by a sharp decrease in prices during 2012, though tight cost control and improved operating efficiencies, partly compensated their effect. Underlying operating profit also benefited from the reversal of penalty provisions, which were in place at the end of 2011, as a result of contract renegotiations.

Regrettably, one fatality occurred at Amapá iron ore system in Brazil during 2012. The LTIFR has improved over the past six years, and encouragingly, the severity of injuries also continues to decline.

On 4 January 2013, Anglo American announced an agreement to sell its 70% interest in Amapá to Zamin Ferrous Ltd. The transaction is subject to regulatory approval and is expected to complete in 2013. We have always maintained that we did not envisage holding our interest in Amapá over the long term and, in July 2012, reported that we had transferred responsibility for Amapá to our Other Mining and Industrial business unit and stated that we were exploring the possibility of divesting our interest.

Anglo American has transformed the operational performance of Amapá since acquisition in 2008, increasing annual production from 1.2 Mt in 2008 to 6.1 Mt in 2012.

#### **TARMAC**

Tarmac reported an underlying operating profit of \$73 million, compared with a loss of \$38 million in 2011. Tarmac's underlying EBITDA was \$148 million, 44% higher than in 2011.

#### **Quarry materials**

The business' profitability was at higher levels than last year, mainly as a result of the operation being treated as 'held for sale' from the end of July 2012, and the subsequent cessation of recorded depreciation. There has been a decline in asphalt volumes, with few major road schemes commencing in 2012 as a result of the UK government's austerity measures. Private-sector growth remained muted throughout the year, thus keeping pressure on ready-mix concrete prices and volumes, but was offset in part by the resilient central London market. A continued focus on maximising the use of substitute fuel and recycled asphalt materials is helping to mitigate the impact of rising hydrocarbon costs and to support margins.

On 7 January 2013, Anglo American and Lafarge announced the completion of their 50:50 joint venture which will combine their cement, aggregates, ready-mix concrete, asphalt and asphalt surfacing, maintenance services, and waste services businesses in the UK. The joint venture will be known as Lafarge Tarmac. Completion of the Lafarge Tarmac joint venture followed final clearance from the UK Competition Commission, predicated on the completed sale of a portfolio of Tarmac and Lafarge construction materials operations in the UK, which also occurred on 7 January 2013.

#### **Building products**

Performance was affected by the continued general economic downturn, compounded by disruption to building activity following unseasonal wet weather during the summer months.

The weak building products market resulted in a highly competitive pricing environment affecting sales volumes, although cost reduction projects and improvements in operating efficiencies are helping to mitigate some of the impact.

A number of initiatives continue to be developed to ensure improved longer term performance, but the short term remains difficult owing to the prevailing weak market conditions.

#### **SCAW METALS**

Scaw Metals experienced a 32% increase in underlying operating profit to \$49 million for the 11 months to end November 2012 compared with the full year 2011, mainly as a result of the company being treated as 'held for sale' from 24 April 2012, and the subsequent cessation of recorded depreciation.

Cast Products showed a marked improvement, owing to firm demand across all segments and a reduction in costs following the closure of a loss making foundry in the prior year. Grinding Media reported a decrease in underlying operating profit as a result of lower demand from the mining sector owing to industrial action in the second half of 2012. This business is expected to recover as mining operations revert to full production. The performance of Wire Rod Products suffered as a consequence of a decline in mining activity, but nevertheless reported stable earnings. Demand for construction products remained weak, but in spite of this the Rolled Products business, through cost containment measures and operational improvements, was able to minimise its losses.

Total production of steel products was 611,600 tonnes for the 11 months to end November 2012, a decrease of 9.7% over the full year 2011.

On 24 April 2012, Anglo American announced the sale of its interest in Scaw South Africa to an investment consortium led by the Industrial Development Corporation of South Africa and the Group's partners in Scaw South Africa, being Izingwe Holdings (Pty) Limited, Shanduka Resources (Pty) Limited and the Southern Palace Group of Companies (Pty) Limited. On 23 November, the sale of Scaw South Africa and related companies completed for a total consideration of ZAR3.4 billion (\$440 million) on a cash- and debt-free basis as announced.

# **PRODUCTION DATA**

			2012	2011	2010	2009
Other Mining and Industrial segment				-		
Tarmac						
Aggregates		tonnes	37,570,800		58,875,600	72,767,300
Lime products		tonnes	1,316,900	1,264,000	1,225,900	1,214,400
Concrete		m <sup>3</sup>	3,119,300	3,285,700	3,305,800	3,521,200
<u> </u>						
Zinc and Lead						
Skorpion <sup>(1)</sup>					1 410 000	1 405 000
Ore mined Ore processed		tonnes			1,412,600 1,358,000	1,495,900 1,426,800
Ore grade processed	Zinc	tonnes % Zn		_	1,336,000	1,420,600
Production	Zinc	tonnes			138,500	150,400
Lisheen(1)	ZIIIC	tornies			130,300	130,400
Ore mined		tonnes	_	152,800	1,531,700	1,534,500
Ore processed		tonnes	_	156,200	1,587,600	1,526,200
Ore grade processed	Zinc	% Zn	_	13.4	12.2	12.4
3 1	Lead	% Pb	_	2.7	1.9	1.8
Production	Zinc in concentrate	tonnes	_	19,200	175,100	171,800
	Lead in concentrate	tonnes	_	2,900	20,600	19,200
Black Mountain <sup>(1)</sup>				100.000	4 445 500	4 0 40 700
Ore mined		tonnes	_	132,800	1,415,500	1,249,700
Ore processed	7:	tonnes	-	126,200	1,378,600	1,293,200
Ore grade processed	Zinc Lead	% Zn % Pb	_	3.4 4.5	3.3 4.2	2.8 4.0
	Copper	% Cu	_	0.4	0.3	0.3
Production	Zinc in concentrate	tonnes	_	3,300	36,100	28.200
Toddetion	Lead in concentrate	tonnes	_	5,400	50,600	49,100
	Copper in concentrate	tonnes	_	300	2,500	2,200
Total attributable zinc production		tonnes	_	22,500	349,700	350,400
						00.000
Total attributable lead production		tonnes	_	8,300	71,200	68,300
Total attributable lead production		tonnes	_	8,300	71,200	68,300
Total attributable lead production  Scaw Metals		tonnes	_	8,300	71,200	68,300
·		tonnes	611,600	<b>8,300</b> 677,400	<b>71,200</b> 710,000	693,000
Scaw Metals					·	693,000
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup>		tonnes		677,400	710,000	693,000
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium		tonnes		677,400	710,000	693,000
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão		tonnes tonnes	611,600 -	677,400	710,000 794,200	693,000 718,000
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined		tonnes tonnes tonnes	611,600 - 933,200	677,400	710,000 794,200 1,209,400	693,000 718,000
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed		tonnes tonnes tonnes tonnes	611,600 - 933,200 973,500	677,400 - 866,600 902,600	710,000 794,200 1,209,400 909,300	693,000 718,000 906,700 873,500
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed Ore grade processed		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5	677,400 - 866,600 902,600 8.1	710,000 794,200 1,209,400 909,300 6.6	693,000 718,000 906,700 873,500 9.3
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed		tonnes tonnes tonnes tonnes	611,600 - 933,200 973,500	677,400 - 866,600 902,600	710,000 794,200 1,209,400 909,300	693,000 718,000 906,700 873,500
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá <sup>(3)</sup> – tonnes		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400	677,400 - 866,600 902,600 8.1 3,900	710,000 794,200 1,209,400 909,300 6.6 4,000	693,000 718,000 906,700 873,500 9.3 5,100
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá <sup>(3)</sup> – tonnes Sinter feed		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400	866,600 902,600 8.1 3,900	710,000 794,200 1,209,400 909,300 6.6 4,000	906,700 873,500 9.3 5,100
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá <sup>(3)</sup> – tonnes Sinter feed Pellet feed		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400 2,100,000 2,223,200	866,600 902,600 8.1 3,900 1,401,000 1,948,300	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500	693,000 718,000 906,700 873,500 9.3 5,100
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá <sup>(3)</sup> – tonnes Sinter feed		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500	906,700 873,500 9.3 5,100 576,100 2,077,100
Scaw Metals South Africa Steel Products International Steel Products <sup>(2)</sup> Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá <sup>(3)</sup> – tonnes Sinter feed Pellet feed		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400 2,100,000 2,223,200	866,600 902,600 8.1 3,900 1,401,000 1,948,300	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500	906,700 873,500 9.3 5,100 576,100 2,077,100
Scaw Metals South Africa Steel Products International Steel Products(2)  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500	906,700 873,500 9.3 5,100 576,100 2,077,100
Scaw Metals South Africa Steel Products International Steel Products(2)  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates  Phosphates		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500	906,700 873,500 9.3 5,100 576,100 2,077,100
Scaw Metals South Africa Steel Products International Steel Products International Steel Products(2)  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates  Phosphates Copebrás		tonnes tonnes tonnes tonnes tonnes Kg Nb/tonne tonnes	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100 6,072,300	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200 <b>4,821,500</b>	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500 - 4,029,400	693,000 718,000 906,700 873,500 9.3 5,100 576,100 2,077,100 –
Scaw Metals South Africa Steel Products International Steel Products(2)  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates  Phosphates		tonnes tonnes tonnes tonnes Kg Nb/tonne	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500	906,700 873,500 9.3 5,100
Scaw Metals South Africa Steel Products International Steel Products(2)  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates  Phosphates Copebrás Phosphates	oal production	tonnes tonnes tonnes tonnes tonnes Kg Nb/tonne tonnes	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100 6,072,300	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200 <b>4,821,500</b>	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500 - 4,029,400	693,000 718,000 906,700 873,500 9.3 5,100 576,100 2,077,100 –
Scaw Metals South Africa Steel Products International Steel Products International Steel Products  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates  Phosphates Copebrás Phosphates Other Mining and Industrial segment of	oal production	tonnes tonnes tonnes tonnes tonnes Kg Nb/tonne tonnes	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100 6,072,300	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200 <b>4,821,500</b>	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500 - 4,029,400	693,000 718,000 906,700 873,500 9.3 5,100 576,100 2,077,100 –
Scaw Metals South Africa Steel Products International Steel Products(2)  Niobium Catalão Ore mined Ore processed Ore grade processed Production  Amapá(3) – tonnes Sinter feed Pellet feed Spiral concentrates  Phosphates Copebrás Phosphates	oal production	tonnes tonnes tonnes tonnes tonnes Kg Nb/tonne tonnes	933,200 973,500 8.5 4,400 2,100,000 2,223,200 1,749,100 6,072,300	866,600 902,600 8.1 3,900 1,401,000 1,948,300 1,472,200 <b>4,821,500</b>	710,000 794,200 1,209,400 909,300 6.6 4,000 2,136,900 1,892,500 - 4,029,400	693,000 718,000 906,700 873,500 9.3 5,100 576,100 2,077,100 –

<sup>(1)</sup> The Group sold its interest in Skorpion in December 2010 and its interests in the Lisheen and Black Mountain in February 2011.

In November 2012, the Group sold its interest in Scaw Metals.

(3) In 2012 Amapá has been reclassified from Iron Ore and Manganese to Other Mining and Industrial to align with internal management reporting. 2011 comparatives have been reclassified to align with current presentation.

<sup>(4)</sup> At 31 December 2010, Carbones del Guasare had ceased to an associate of the Company.

#### PHOSPHATE PRODUCTS

Ore Reserve and Mineral Resource estimates as at 31 December 2012

#### **ANGLO AMERICAN FOSFATOS BRASIL LIMITADA**

The Ore Reserve and Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Ore Reserves and Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

Phosphates - Operations		Mine				Grade	
ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011
Ouvidor (OP)(1)	100	40		Mt	Mt	%P <sub>2</sub> O <sub>5</sub>	%P <sub>2</sub> O <sub>5</sub>
Carbonatite Complex			Proved	83.1	87.9	14.1	14.0
Oxide			Probable	151.0	151.3	13.0	13.0
			Total	234.0	239.2	13.4	13.4

Phosphates - Operations				Tonnes		Grade
MINERAL RESOURCES		Classification	2012	0011	2012	0011
Attributable %		Classification	2012	2011	2012	2011
Ouvidor (OP) <sup>(2)</sup>	100		Mt	Mt	%P <sub>2</sub> O <sub>5</sub>	%P <sub>2</sub> O <sub>5</sub>
Carbonatite Complex		Measured	3.9	3.9	13.4	13.4
Oxide		Indicated	60.2	60.2	11.8	11.8
		Measured and Indicated	64.1	64.2	11.9	11.9
		Inferred (in LOM Plan)	7.5	7.6	13.2	13.2
		Inferred (ex. LOM Plan)	50.4	50.7	10.9	10.9
		Total Inferred	57.9	58.2	11.2	11.2

Phosphates - Projects		_		Tonnes		Grade
MINERAL RESOURCES Attributable %		Classification	2012	2011	2012	2011
Coqueiros (OP)(3)	100		Mt	Mt	%P <sub>2</sub> O <sub>5</sub>	%P <sub>2</sub> O <sub>5</sub>
Carbonatite Complex		Measured	1.8	1.8	10.5	10.5
Oxide		Indicated	16.5	16.5	12.9	12.9
		Measured and Indicated	18.3	18.3	12.6	12.6
		Inferred	26.2	26.2	11.2	11.2
Carbonatite Complex		Measured	1.2	1.2	7.3	7.3
Fresh Rock		Indicated	34.0	34.0	8.5	8.5
		Measured and Indicated	35.2	35.2	8.5	8.5
		Inferred	16.2	16.2	7.6	7.6

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Mining method: OP = Open Pit. Mine Life = the extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

<sup>(1)</sup> Ouvidor – Oxide Ore Reserves: The decrease is due to production. Reported as Copebrás in 2011.

<sup>2)</sup> Ouvidor – Oxide Mineral Resources: Mineral Resources are quoted above a 7% P<sub>2</sub>O<sub>5</sub> cut-off and a CaO/P<sub>2</sub>O<sub>5</sub> ratio between 1 and 1.4. Inferred (ex. LOM Plan) material includes 29.8Mt at 11.64% P<sub>2</sub>O<sub>5</sub> Oxide in the MCG01 tenement. Currently Anglo American owns the mineral rights but not the surface rights for the area within MCG01 overlying the Inferred (ex. LOM Plan) material. Reported and Capathy fig. 10.111

as Copebrás in 2011.

(3) Coqueiros: The Oxide mineralisation is defined by a cut-off grade of 7% P<sub>2</sub>O<sub>5</sub> and a CaO/ P<sub>2</sub>O<sub>5</sub> ratio between 1 and 1.4. The Fresh Rock resources are defined by a cut-off grade of 5% P<sub>2</sub>O<sub>5</sub>. An updated exploration drilling report has been submitted to Brazil's Departamento Nacional de Produção Mineral (DNPM) and is awaiting approval.

#### **NIOBIUM**

#### Ore Reserve and Mineral Resource estimates as at 31 December 2012

#### ANGLO AMERICAN NIÓBIO BRASIL LIMITADA

The Ore Reserve and Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Ore Reserves and Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

Niobium - Operations		Mine			Tonnes		Grade	Contained Product	
ORE RESERVES	Attributable %	Life	Classification	2012	2011	2012	2011	2012	2011
Boa Vista (OP)	100	4		Mt	Mt	%Nb <sub>2</sub> O <sub>5</sub>	%Nb <sub>2</sub> O <sub>5</sub>	kt	kt
Carbonatite Complex			Proved	2.9	3.4	0.98	1.03	29	35
Oxide <sup>(1)</sup>			Probable	1.0	1.0	1.18	1.04	11	10
			Total	3.9	4.3	1.03	1.03	40	45
Carbonatite Complex			Proved	-	_	_	-	-	_
Phosphate Tailings <sup>(2)</sup>			Probable	2.0	-	0.73	-	14	-
			Total	2.0	_	0.73	_	14	_

Niobium - Operations				Tonnes		Grade	Cont	ained Product
MINERAL RÉSOURCES	Attributable %	Classification	2012	2011	2012	2011	2012	2011
Boa Vista (OP)	100		Mt	Mt	%Nb <sub>2</sub> O <sub>5</sub>	%Nb <sub>2</sub> O <sub>5</sub>	kt	kt
Carbonatite Complex		Measured	2.6	2.0	1.29	1.30	34	26
Oxide <sup>(3)</sup>		Indicated	0.8	0.8	1.02	1.04	8	8
		Measured and Indicated	3.4	2.8	1.22	1.22	42	35
		Inferred (in LOM Plan)	0.2	0.3	0.90	0.95	2	3
		Inferred (ex. LOM Plan)	0.7	0.8	0.82	0.87	5	7
		Total Inferred	0.8	1.1	0.83	0.89	7	9

Niobium - Projects				Tonnes		Grade	Conta	ained Product
MINERAL RESOURCES	Attributable %	Classification	2012	2011	2012	2011	2012	2011
Catalão I & II Complex (OP)	100		Mt	Mt	%Nb <sub>2</sub> O <sub>5</sub>	%Nb <sub>2</sub> O <sub>5</sub>	kt	kt
Carbonatite Complex		Measured	14.3	13.7	1.23	1.24	175	170
Fresh Rock <sup>(4)</sup>		Indicated	36.8	19.5	1.01	1.24	373	243
		Measured and Indicated	51.1	33.2	1.07	1.24	548	413
		Inferred	20.2	18.1	1.27	1.37	255	248

MINERAL RESOURCES ARE REPORTED AS ADDITIONAL TO ORE RESERVES.

Mining method: OP = Open Pit. Mine Life = the extraction period in years for scheduled Ore Reserves comprising Proved and Probable Reserves only.

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

- (1) Boa Vista Oxide Ore Reserves: The decrease is primarily due to production. Reported as Catalão in 2011.
  (2) Boa Vista Phosphate Tailings Ore Reserves: The fines portion of the Phosphate tailings from Ouvidor are processed in the Niobium Tailings Plant to recover Niobium.
  (3) Boa Vista Oxide Mineral Resources: The Oxide Resources are reported above a 0.5% ND<sub>2</sub>O<sub>5</sub> cut-off. The Mineral Resources are split into Oxide and Fresh Rock due to the recognition of distinct differences in mineralogical characteristics. The increase is due to improved grade control and new drilling information. Reported as Catalão in 2011.
  (4) Catalão I & II Complex Fresh Rock Mineral Resources: The Fresh Rock Resources are reported above a 0.5 %ND<sub>2</sub>O<sub>5</sub> cut-off for Boa Vista Mine. For Area Leste, Mina II and Morro do Padre the cut-off grade is 0.7 %ND<sub>2</sub>O<sub>5</sub>. The increase is a result of the completion of a drilling campaign enabling the geological model to be updated along with a lowering in the cut-off grade. Studies are in progress to convert the grades. progress to convert resources to reserves. The Fresh Rock Resources are a combination of 4 project areas: Area Leste: Measured 8.2 Mt at 1.24 %Nb<sub>2</sub>O<sub>5</sub>; Indicated 4.7 Mt at 1.20 %Nb<sub>2</sub>O<sub>5</sub>; Inferred 1.3 Mt at 1.12 %Nb<sub>2</sub>O<sub>5</sub> Boa Vista: Measured 0.6 Mt at 0.97 %Nb<sub>2</sub>O<sub>5</sub>; Indicated 4.7 Mt at 1.95 %Nb<sub>2</sub>O<sub>5</sub>; Inferred 9.2 Mt at 1.03 %Nb<sub>2</sub>O<sub>5</sub> Mina II: Measured 5.5 Mt at 1.24 %Nb<sub>2</sub>O<sub>5</sub>; Indicated 0.9 Mt at 1.17 %Nb<sub>2</sub>O<sub>5</sub>; Inferred 0.8 Mt at 1.19 %Nb<sub>2</sub>O<sub>5</sub> Morro do Padre: Indicated 2.6 Mt at 1.27 %Nb<sub>2</sub>O<sub>5</sub>; Inferred 8.9 Mt at 1.54 %Nb<sub>2</sub>O<sub>5</sub>

### **IRON ORE**

#### Ore Reserve and Mineral Resource estimates as at 31 December 2012

#### **AMAPÁ**

The Mineral Resource estimates were compiled in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004) as a minimum standard. The figures reported represent 100% of the Mineral Resources, the percentage attributable to Anglo American plc is stated separately. Rounding of figures may cause computational discrepancies.

Amapá – Operations				Tonnes		Grade
MINERAL RESOURCES	Attributable %	Classification	2012	2011	2012	2011
Amapá (OP)(1)(2)	70.0		Mt	Mt	%Fe	%Fe
Canga		Measured	_	2.6	_	54.2
		Indicated	8.0	10.5	48.7	48.5
		Measured and Indicated	8.0	13.1	48.7	49.6
		Inferred	6.3	1.3	46.1	41.5
Colluvium		Measured	10.0	12.0	39.2	40.4
		Indicated	51.6	56.0	38.7	38.3
		Measured and Indicated	61.6	68.0	38.8	38.7
		Inferred	14.2	18.6	35.1	34.7
Friable Itabirite and Hem	atite	Measured	34.0	33.5	39.8	40.5
		Indicated	103.8	112.0	41.5	41.7
		Measured and Indicated	137.7	145.5	41.1	41.4
		Inferred	16.1	26.0	43.7	40.1

Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.

<sup>(1)</sup> Amapá - Mineral Resources: The cut-off grade used is 25% Fe. Assays are on a dry basis. Tonnages are reported on a wet basis with an average moisture content of 11 wt% for Canga, 10 wt% for Colluvium and 9 wt% for Friable Itabirite and Hematite ore. The decrease is as a result of depletion and new information along with a revised geological modelling methodology.

anapá: Friable Itabirite and Hematite includes Friable Itabirite, Altered Friable Itabirite and Friable Hematite. The Mineral Resources comprise the Mário Cruz, Mário Cruz Leste, Martelo, Taboca, Taboca Leste, Vila do Meio, Vila do Meio Leste and Dragão areas.

# OTHER INFORMATION

Market capitalisation	31 March 2013	2012	2011	2010	2009	2008	2007	2006	2005
Anglo American plc									
– \$ billion	35.9	42.8	48.8	69.5	58.7	30.3	82.0	75.2	50.8
– £ billion	23.6	26.3	31.5	44.5	36.4	20.8	41.4	38.4	29.6
– ZAR billion	329.9	363.3	394.3	460.6	433.2	288.6	562.7	525.1	322.0

Credit ratings – as at 31 March 2013

									Standard & Poor's	Moody's Investors Service
Long term									BBB <sup>(1)</sup>	Baa1
Short term									A-2	P-2
Exchange rates		31 March 2013	2012	2011	2010	2009	2008	2007	2006	2005
£/\$	period end	0.66	0.62	0.65	0.64	0.62	0.69	0.50	0.51	0.58
	average	0.64	0.63	0.62	0.65	0.64	0.54	0.50	0.54	0.55
ZAR/\$	period end	9.24	8.47	8.11	6.60	7.38	9.30	6.84	7.00	6.35
	average	8.95	8.21	7.26	7.32	8.41	8.27	7.05	6.77	6.37
Ordinary shares	prices – period end	31 March 2013	2012	2011	2010	2009	2008	2007	2006	2005
Anglo American	plc									
– £ per share		16.92	18.94	23.51	33.10	27.11	15.46	30.80	24.91	19.79
<ul> <li>ZAR per share</li> </ul>		236.68	261.21	292.49	342.59	319.49	210.99	415.02	342.00	213.70

Analysis of Anglo American plc ordinary shares	Shares outstanding as at 31 December	Weighted average number of shares in issue
2005	1,493,855,896	1,447,133,203
2006	1,541,653,607	1,467,739,208
2007	1,342,911,897	1,308,662,275
2008	1,342,919,020	1,202,212,347
2009	1,342,927,138	1,201,516,878
2010	1,342,932,714	1,206,077,713
2011	1,342,967,458	1,210,066,850
2012	1,405,459,753	1,254,087,210

<sup>(1)</sup> Standard & Poor's amended rating 4 April 2013.

# OTHER ANGLO AMERICAN PUBLICATIONS

2012 Annual Report

Notice of 2013 AGM and Shareholder Information Booklet

Sustainable Development Report 2012

Business Unit Sustainable Development Reports (2012)

Optima - Anglo American's current affairs journal

Good Citizenship: Business Principles

The Environment Way

The Occupational Health Way

The Projects Way

The Safety Way

The Social Way

The People Development Way

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