

ANGLOGOLD ASHANTI LTD

Form 6-K

March 15, 2006





**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 or 15d-16 OF  
THE SECURITIES EXCHANGE ACT OF 1934**

**Report on Form 6-K dated**

**MARCH 15, 2006**

AngloGold Ashanti Limited

**(Name of Registrant)**

11 Diagonal Street

Johannesburg, 2001

(P O Box 62117)

Marshalltown, 2107

South Africa

**(Address of Principal Executive Offices)**

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

**Form 20-F:**

Form 40-F:

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Yes:

No:

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Yes:

No:

Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes:

No:

Enclosures: ANGLOGOLD ASHANTI SUPPLEMENTARY INFORMATION: MINERAL RESOURCES AND ORE RESERVES

05

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and Ore Reserves

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(as at 31 December 2005)	

2

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Ore Reserves by country (attributable)

Metric

Imperial

\*

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

South Africa

Proved

14.5

7.54

109.0

15.9

0.220

3.5

Probable

188.7

3.84

725.0

208.0

0.112

23.3

Total

203.2

4.10

834.0

224.0

0.120

26.8

Argentina

Proved

1.6

7.99

12.6

1.7

0.233

0.4

Probable

4.5

6.53

29.2

4.9

0.190

0.9

Total

6.0

6.91

41.8

6.7

0.202

1.3

Australia

Proved

47.7

1.16

55.2

52.6

0.034

1.8

Probable

102.5

1.17

120.2

113.0

0.034

3.9

Total

150.2

1.17

175.3

165.6

0.034

5.6

Brazil

Proved

2.7

6.01

16.2

3.0

0.175

0.5

Probable

9.8

7.45

73.2

10.8

0.217

2.4

Total

12.5

7.14

89.4

13.8

0.208

2.9

Ghana

Proved

39.5

1.94

76.7

43.5

0.057

2.5

Probable

46.7

5.44

254.0

51.4

0.159

8.2

Total

86.1

3.84

330.7

95.0

0.112

10.6

Guinea

Proved

23.6

0.62

14.5

26.0

0.018

0.5

Probable

36.7

1.00

36.6

40.5

0.029

1.2

Total

60.3

0.85

51.1

66.5

0.025

1.6



Mali  
Proved  
9.7  
2.75  
26.5  
10.6  
0.080  
0.9  
Probable  
9.3  
3.95  
36.5  
10.2  
0.115  
1.2  
Total  
18.9  
3.34  
63.1  
20.8  
0.097  
2.0  
Namibia  
Proved  
1.2  
1.85  
2.2  
1.3  
0.054  
0.1  
Probable  
8.9  
1.65  
14.7  
9.8  
0.048  
0.5  
Total  
10.1  
1.67  
16.9  
11.1  
0.049  
0.5  
Tanzania  
Proved  
22.1  
3.40  
75.1  
24.3  
0.099

2.4  
Probable  
40.4  
4.69  
189.2  
44.5  
0.137  
6.1  
Total  
62.4  
4.23  
264.3  
68.8  
0.123  
8.5  
USA  
Proved  
87.4  
0.86  
75.4  
96.3  
0.025  
2.4  
Probable  
31.8  
0.86  
27.4  
35.0  
0.025  
0.9  
Total  
119.1  
0.86  
102.7  
131.3  
0.025  
3.3  
Total AngloGold Ashanti  
Proved  
249.8  
1.86  
463.4  
275.3  
0.054  
14.9  
Probable  
479.2  
3.14  
1,506.0  
528.2  
0.092

48.4  
Total  
729.0  
2.70  
1,969.4  
803.6  
0.079  
63.3

NB: Rounding of figures in this document may result in minor computational discrepancies.

\* Tons refers to a short ton, which is equivalent to 2,000 lbs avoirdupois.

3

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Mineral Resources

(1)

by country (attributable)

Metric

Imperial

\*

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

South Africa

(2)

Measured

31.4

13.66

429.4

34.6

0.398

13.8

Indicated

435.3

4.76

2,073.9

479.8

0.139

66.7

Inferred

29.7

6.68

198.3

32.7

0.195

6.4

Total

496.4

5.44

2,701.6

547.2

0.159  
86.9  
Argentina  
Measured  
10.8  
2.35  
25.2  
11.9  
0.068  
0.8  
Indicated  
15.3  
3.54  
54.2  
16.9  
0.103  
1.7  
Inferred  
6.5  
3.49  
22.7  
7.2  
0.102  
0.7  
Total  
32.6  
3.14  
102.2  
35.9  
0.091  
3.3  
Australia  
Measured  
62.4  
1.15  
71.9  
68.8  
0.034  
2.3  
Indicated  
164.5  
1.04  
171.5  
181.3  
0.030  
5.5  
Inferred  
143.0  
1.01  
144.7  
157.7

0.029

4.7

Total

369.9

1.05

388.1

407.8

0.031

12.5

Brazil

Measured

8.2

6.60

54.0

9.0

0.192

1.7

Indicated

16.2

7.71

125.0

17.9

0.225

4.0

Inferred

28.5

7.04

200.7

31.4

0.205

6.5

Total

52.9

7.18

379.8

58.3

0.209

12.2

Ghana

(3)

Measured

101.2

3.33

336.6

111.6

0.097

10.8

Indicated

64.9

4.83

313.7

71.6  
0.141  
10.1  
Inferred  
41.9  
5.82  
244.0  
46.2  
0.170  
7.8  
Total  
208.0  
4.30  
894.4  
229.3  
0.125  
28.8  
Guinea  
Measured  
23.6  
0.62  
14.7  
26.0  
0.018  
0.5  
Indicated  
58.7  
1.03  
60.3  
64.7  
0.030  
1.9  
Inferred  
90.4  
0.63  
57.2  
99.7  
0.018  
1.8  
Total  
172.7  
0.77  
132.3  
190.4  
0.022  
4.3  
Mali  
Measured  
17.3  
2.02  
35.1

19.1  
0.059  
1.1  
Indicated  
32.5  
2.58  
83.7  
35.8  
0.075  
2.7  
Inferred  
36.0  
1.93  
69.6  
39.7  
0.056  
2.2  
Total  
85.8  
2.19  
188.3  
94.6  
0.064  
6.1  
Namibia  
Measured  
10.3  
0.88  
9.1  
11.4  
0.026  
0.3  
Indicated  
27.9  
1.42  
39.5  
30.8  
0.041  
1.3  
Inferred  
6.0  
1.20  
7.1  
6.6  
0.035  
0.2  
Total  
44.2  
1.26  
55.8  
48.7



0.037  
1.8  
Tanzania  
Measured  
25.8  
3.40  
87.7  
28.4  
0.099  
2.8  
Indicated  
63.0  
4.56  
287.1  
69.4  
0.133  
9.2  
Inferred  
7.5  
5.23  
39.1  
8.2  
0.152  
1.3  
Total  
96.2  
4.30  
413.9  
106.1  
0.125  
13.3  
USA  
Measured  
146.0  
0.95  
138.2  
161.0  
0.028  
4.4  
Indicated  
72.9  
0.91  
66.1  
80.4  
0.026  
2.1  
Inferred  
8.2  
0.73  
6.0  
9.1

0.021  
 0.2  
 Total  
 227.2  
 0.93  
 210.3  
 250.5  
 0.027  
 6.8  
 Total AngloGold Ashanti  
 Measured  
 437.1  
 2.75  
 1,202.0  
 481.8  
 0.080  
 38.6  
 Indicated  
 951.1  
 3.44  
 3,275.1  
 1,048.4  
 0.100  
 105.3  
 Inferred  
 397.8  
 2.49  
 989.5  
 438.5  
 0.073  
 31.8  
 Total  
 1,786.0  
 3.06  
 5,466.6  
 1,968.7  
 0.089  
 175.8

(1)  
 Inclusive of the Ore Reserve component.

(2)  
 It is anticipated that 8.7Moz of the South African Region's published Mineral Resources will be taken up in stabilising pillars.

(3)  
 The Obuasi 2005 Ore Reserve is a major component of the Ghana total and is based on a Mineral Resource Model estimated in early 2005, using the techniques against which the conversion factors between Mineral Resource and Ore Reserve have historically been determined. The Obuasi 2005 Mineral Resource was estimated during the fourth quarter of 2005, using improved techniques. Consequently, the Modifying Factors between this in situ Mineral Resource and the ore delivered to the mill have as yet not been quantified and are being determined by ongoing reconciliation.

\* Tons refers to a short ton, which is equivalent to 2,000 lbs avoirdupois.

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

4

Ore Reserves by operation (attributable)

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

South Africa

Great Noligwa

Proved

6.0

8.65

52.2

6.6

0.252

1.7

Probable

11.1

8.23

91.2

12.2

0.240

2.9

Total

17.1

8.38

143.4

18.9

0.244

4.6

Kopanang

Proved

1.1

9.66

10.9

1.2

0.282

0.4

Probable

19.7

8.13

160.4

21.7

0.237

5.2

Total

20.9

8.22

171.4

23.0

0.240

5.5

Moab Khotsong

Proved

0.6

9.39

6.0

0.7

0.274

0.2

Probable

8.5

12.46

106.4

9.4

0.364

3.4

Total

9.2

12.25

112.5

10.1

0.357

3.6

Tau Lekoa

Proved

3.9

4.17

16.1

4.3

0.122

0.5

Probable

3.8

4.05

15.3

4.2

0.118

0.5

Total

7.6

4.11

31.4

8.4

0.120

1.0

Vaal River Surface (VRGO)

Proved

—

—

—

—

—

—

Probable

115.1

0.61

70.3

126.9

0.018

2.3

Total

115.1

0.61

70.3

126.9

0.018

2.3

Mponeng

Proved

1.9

7.01

13.1

2.1

0.204

0.4

Probable

16.4

7.79

127.6

18.1

0.227

4.1

Total

18.3

7.71

140.7

20.1

0.225  
4.5  
Savuka  
Proved  
0.0  
8.27  
0.2  
0.0  
0.241  
0.0  
Probable  
0.0  
9.02  
0.3  
0.0  
0.263  
0.0  
Total  
0.1  
8.74  
0.4  
0.1  
0.255  
0.0  
TauTona  
Proved  
0.9  
11.66  
10.5  
1.0  
0.340  
0.3  
Probable  
14.1  
10.92  
153.5  
15.5  
0.318  
4.9  
Total  
15.0  
10.96  
164.0  
16.5  
0.320  
5.3

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

5

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

Argentina

Cerro Vanguardia (92.5%)

Proved

1.6

7.99

12.6

1.7

0.233

0.4

Probable

4.5

6.53

29.2

4.9

0.190

0.9

Total

6.0

6.91

41.8

6.7

0.202

1.3

Australia

Boddington (33.33%)

Proved

41.2

1.01

41.4

45.4

0.029

1.3



Probable

93.1

0.85

78.8

102.6

0.025

2.5

Total

134.3

0.90

120.2

148.0

0.026

3.9

Sunrise Dam

Proved

6.5

2.11

13.7

7.2

0.062

0.4

Probable

9.4

4.39

41.4

10.4

0.128

1.3

Total

15.9

3.46

55.1

17.6

0.101

1.8

Brazil

AGA Mineração

Proved

2.1

6.40

13.2

2.3

0.187

0.4

Probable

8.6

7.50

64.4

9.5

0.219

2.1  
Total  
10.7  
7.28  
77.6  
11.8  
0.212  
2.5  
Serra Grande (50%)  
Proved  
0.6  
4.72  
3.0  
0.7  
0.138  
0.1  
Probable  
1.2  
7.14  
8.8  
1.4  
0.208  
0.3  
Total  
1.9  
6.32  
11.8  
2.1  
0.184  
0.4  
Ghana  
Bibiani  
Proved  
4.0  
1.03  
4.1  
4.4  
0.030  
0.1  
Probable  
0.4  
0.93  
0.3  
0.4  
0.027  
0.0  
Total  
4.3  
1.02  
4.4  
4.8

0.030

0.1

Iduapriem (85%)

Proved

24.8

1.78

44.1

27.4

0.052

1.4

Probable

7.3

1.81

13.3

8.1

0.053

0.4

Total

32.2

1.78

57.4

35.5

0.052

1.8

Obuasi

Proved

10.7

2.67

28.5

11.8

0.078

0.9

Probable

39.0

6.17

240.4

42.9

0.180

7.7

Total

49.6

5.42

268.9

54.7

0.158

8.6

6  
 Ore Reserves by operation (attributable)  
 Metric  
 Imperial  
 Contained Contained  
 Tonnes  
 Grade  
 gold  
 Tons  
 Grade  
 gold  
 Category  
 million  
 g/t  
 tonnes  
 million  
 oz/t  
 Moz  
 Guinea  
 Siguiri (85%)  
 Proved  
 23.6  
 0.62  
 14.5  
 26.0  
 0.018  
 0.5  
 Probable  
 36.7  
 1.00  
 36.6  
 40.5  
 0.029  
 1.2  
 Total  
 60.3  
 0.85  
 51.1  
 66.5  
 0.025  
 1.6  
 Mali  
 Morila (40%)  
 Proved  
 6.4  
 3.21  
 20.5  
 7.0  
 0.094  
 0.7  
 Probable

2.5  
3.63  
9.0  
2.7  
0.106  
0.3  
Total  
8.9  
3.33  
29.5  
9.8  
0.097  
0.9  
Sadiola (38%)  
Proved  
2.8  
1.95  
5.4  
3.0  
0.057  
0.2  
Probable  
5.3  
4.09  
21.5  
5.8  
0.119  
0.7  
Total  
8.0  
3.35  
26.9  
8.8  
0.098  
0.9  
Yatela (40%)  
Proved  
0.5  
1.33  
0.7  
0.6  
0.039  
0.0  
Probable  
1.5  
3.97  
6.1  
1.7  
0.116  
0.2  
Total

2.0  
3.30  
6.7  
2.3  
0.096  
0.2  
Namibia  
Navachab  
Proved  
1.2  
1.85  
2.2  
1.3  
0.054  
0.1  
Probable  
8.9  
1.65  
14.7  
9.8  
0.048  
0.5  
Total  
10.1  
1.67  
16.9  
11.1  
0.049  
0.5  
Tanzania  
Geita  
Proved  
22.1  
3.40  
75.1  
24.3  
0.099  
2.4  
Probable  
40.4  
4.69  
189.2  
44.5  
0.137  
6.1  
Total  
62.4  
4.23  
264.3  
68.8  
0.123

8.5  
USA  
Cripple Creek and Victor  
Proved  
87.4  
0.86  
75.4  
96.3  
0.025  
2.4  
Probable  
31.8  
0.86  
27.4  
35.0  
0.025  
0.9  
Total  
119.1  
0.86  
102.7  
131.3  
0.025  
3.3  
Total AngloGold Ashanti  
Proved  
249.8  
1.86  
463.4  
275.3  
0.054  
14.9  
Probable  
479.2  
3.14  
1,506.0  
528.2  
0.092  
48.4  
Total  
729.0  
2.70  
1,969.4  
803.6  
0.079  
63.3  
MINERAL RESOURCES AND ORE RESERVES  
(as at 31 December 2005)

7

Mineral Resources by operation (attributable)

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

South Africa

Great Noligwa

Measured

9.7

18.69

181.5

10.7

0.545

5.8

Indicated

8.7

17.04

148.3

9.6

0.497

4.8

Inferred

0.8

15.37

12.1

0.9

0.448

0.4

Total

19.2

17.81

341.9

21.2

0.519

11.0

Kopanang

Measured

2.1



17.76

37.3

2.3

0.518

1.2

Indicated

17.8

16.45

293.2

19.7

0.480

9.4

Inferred

1.4

15.32

22.1

1.6

0.447

0.7

Total

21.4

16.50

352.6

23.6

0.481

11.3

Moab Khotsong

Measured

0.3

16.28

5.1

0.3

0.475

0.2

Indicated

11.1

23.53

261.6

12.3

0.686

8.4

Inferred

6.3

21.78

136.5

6.9

0.635

4.4

Total

17.7

22.79

403.2

19.5

0.665

13.0

Tau Lekoa

Measured

7.0

5.72

40.4

7.8

0.167

1.3

Indicated

40.0

4.99

199.9

44.1

0.146

6.4

Inferred

—

—

—

—

—

—

Total

47.1

5.10

240.2

51.9

0.149

7.7

Vaal River Surface (VRGO)

Measured

—

—

—

—

—

—

Indicated

298.9

0.42

126.3

329.5

0.012

4.1

Inferred

12.4

0.63

7.8  
13.6  
0.018  
0.3  
Total  
311.3  
0.43  
134.1  
343.2  
0.013  
4.3  
Mponeng  
Measured  
9.5  
10.70  
101.8  
10.5  
0.312  
3.3  
Indicated  
43.1  
15.19  
655.2  
47.5  
0.443  
21.1  
Inferred  
0.2  
10.53  
1.6  
0.2  
0.307  
0.1  
Total  
52.8  
14.37  
758.5  
58.2  
0.419  
24.4  
Savuka  
Measured  
0.9  
13.06  
11.2  
0.9  
0.381  
0.4  
Indicated  
2.1  
12.42

25.7  
2.3  
0.362  
0.8  
Inferred  
—  
—  
—  
—  
—  
—  
Total  
2.9  
12.61  
36.9  
3.2  
0.368  
1.2  
TauTona  
Measured  
1.9  
27.59  
52.2  
2.1  
0.805  
1.7  
Indicated  
13.2  
27.56  
363.6  
14.5  
0.804  
11.7  
Inferred  
1.6  
8.42  
13.3  
1.7  
0.246  
0.4  
Total  
16.7  
25.74  
429.1  
18.4  
0.751  
13.8  
West Wits Surface  
Measured  
—  
—

—  
—  
—  
—

Indicated

0.3  
0.52  
0.1  
0.3  
0.015  
0.0

Inferred

7.1  
0.68  
4.8  
7.8  
0.020  
0.2

Total

7.4  
0.68  
5.0  
8.1  
0.020  
0.2

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

8

Mineral Resources by operation (attributable)

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

Argentina

Cerro Vanguardia (92.5%)

Measured

10.8

2.35

25.2

11.9

0.068

0.8

Indicated

15.3

3.54

54.2

16.9

0.103

1.7

Inferred

6.5

3.49

22.7

7.2

0.102

0.7

Total

32.6

3.14

102.2

35.9

0.091

3.3

Australia

Boddington (33.33%)

Measured

46.2  
0.95  
44.1  
51.0  
0.028  
1.4  
Indicated  
149.2  
0.77  
115.4  
164.5  
0.023  
3.7  
Inferred  
134.3  
0.70  
94.6  
148.0  
0.021  
3.0  
Total  
329.8  
0.77  
254.1  
363.5  
0.022  
8.2  
Sunrise Dam  
Measured  
16.2  
1.72  
27.8  
17.8  
0.050  
0.9  
Indicated  
15.2  
3.69  
56.1  
16.8  
0.108  
1.8  
Inferred  
8.7  
5.72  
50.0  
9.6  
0.167  
1.6  
Total  
40.1

3.34  
134.0  
44.2  
0.097  
4.3  
Brazil  
AGA Mineração  
Measured  
7.3  
6.69  
49.1  
8.1  
0.195  
1.6  
Indicated  
14.8  
7.74  
114.7  
16.3  
0.226  
3.7  
Inferred  
26.9  
7.09  
190.8  
29.7  
0.207  
6.1  
Total  
49.0  
7.23  
354.6  
54.1  
0.211  
11.4  
Serra Grande  
Measured  
0.9  
5.82  
5.0  
0.9  
0.170  
0.2  
Indicated  
1.4  
7.37  
10.3  
1.5  
0.215  
0.3  
Inferred



1.6  
6.11  
9.8  
1.8  
0.178  
0.3  
Total  
3.9  
6.50  
25.2  
4.3  
0.190  
0.8

MINERAL RESOURCES AND ORE RESERVES  
(as at 31 December 2005)

9

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

Ghana

Bibiani

Measured

5.4

1.85

10.0

6.0

0.054

0.3

Indicated

1.6

3.78

6.0

1.7

0.110

0.2

Inferred

3.4

3.09

10.6

3.8

0.090

0.3

Total

10.4

2.55

26.6

11.5

0.074

0.9

Iduapriem (85%)

Measured

35.3

1.67

59.0  
38.9  
0.049  
1.9  
Indicated  
14.5  
1.74  
25.2  
16.0  
0.051  
0.8  
Inferred  
6.8  
1.45  
9.9  
7.5  
0.042  
0.3  
Total  
56.6  
1.66  
94.1  
62.4  
0.048  
3.0  
Obuasi  
Measured  
60.5  
4.42  
267.5  
66.7  
0.129  
8.6  
Indicated  
48.8  
5.79  
282.6  
53.8  
0.169  
9.1  
Inferred  
31.7  
7.05  
223.5  
34.9  
0.206  
7.2  
Total  
141.0  
5.49  
773.6

155.4  
0.160  
24.9  
Guinea  
Siguiri (85%)  
Measured  
23.6  
0.62  
14.7  
26.0  
0.018  
0.5  
Indicated  
58.7  
1.03  
60.3  
64.7  
0.030  
1.9  
Inferred  
90.4  
0.63  
57.2  
99.7  
0.018  
1.8  
Total  
172.7  
0.77  
132.2  
190.4  
0.022  
4.3  
Mali  
Morila (40%)  
Measured  
8.0  
2.73  
21.9  
8.8  
0.080  
0.7  
Indicated  
5.6  
3.00  
16.8  
6.2  
0.087  
0.5  
Inferred  
1.5

3.19  
4.8  
1.7  
0.093  
0.2  
Total  
15.1  
2.87  
43.5  
16.7  
0.084  
1.4  
Sadiola (38%)  
Measured  
7.0  
1.50  
10.5  
7.7  
0.044  
0.3  
Indicated  
23.8  
2.40  
57.0  
26.2  
0.070  
1.8  
Inferred  
33.8  
1.86  
62.8  
37.2  
0.054  
2.0  
Total  
64.5  
2.02  
130.3  
71.1  
0.059  
4.2  
Yatela (40%)  
Measured  
2.3  
1.16  
2.7  
2.6  
0.034  
0.1  
Indicated  
3.1

3.18  
9.9  
3.4  
0.093  
0.3  
Inferred  
0.7  
2.75  
1.9  
0.8  
0.080  
0.1  
Total  
6.1  
2.36  
14.5  
6.8  
0.069  
0.5

MINERAL RESOURCES AND ORE RESERVES  
(as at 31 December 2005)

10

Mineral Resources by operation (attributable)

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

Namibia

Navachab

Measured

10.3

0.88

9.1

11.4

0.026

0.3

Indicated

27.9

1.42

39.5

30.8

0.041

1.3

Inferred

6.0

1.20

7.1

6.6

0.035

0.2

Total

44.2

1.26

55.8

48.7

0.037

1.8

Tanzania

Geita

Measured

25.8  
3.40  
87.7  
28.4  
0.099  
2.8  
Indicated  
63.0  
4.56  
287.1  
69.4  
0.133  
9.2  
Inferred  
7.5  
5.23  
39.1  
8.2  
0.152  
1.3  
Total  
96.2  
4.30  
413.9  
106.1  
0.125  
13.3  
USA  
Cripple Creek and Victor  
Measured  
146.0  
0.95  
138.2  
161.0  
0.028  
4.4  
Indicated  
72.9  
0.91  
66.1  
80.4  
0.026  
2.1  
Inferred  
8.2  
0.73  
6.0  
9.1  
0.021  
0.2  
Total



227.2

0.93

210.3

250.5

0.027

6.8

Total AngloGold Ashanti

Measured

437.1

2.75

1,202.0

481.8

0.080

38.6

Indicated

951.1

3.44

3,275.1

1,048.4

0.100

105.3

Inferred

397.8

2.49

989.5

438.5

0.073

31.8

Total

1,786.0

3.06

5,466.6

1,968.7

0.089

175.8

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

11

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Ore Reserves: By-products (attributable)

Mine

Category

Tonnes million

Grade (kg/t)

Uranium (000 t)

South Africa

Uranium

Vaal River Complex

\*

Proved

–

–

–

Probable

35.3

0.394

13.920

Uranium total

35.3

0.394

13.920

Mine

Category

Tonnes million

Grade (ppm)

Copper (Mt)

Australia

Copper

Boddington (33.33%)

Proved

41.2

1,172

0.05

Probable

93.1

1,244

0.12

Copper total

134.3

1,222

0.16

Mine

Category

Tonnes million

Grade (%)

Sulphur (Mt)

Brazil

Sulphur  
AGA Mineração  
Proved  
3.3  
5.464  
0.02  
Probable  
15.5  
5.641  
0.09  
Sulphur total  
18.8  
5.609  
0.11  
Mine  
Category  
Tonnes million  
Grade (g/t)  
Silver (Moz)  
Argentina  
Silver  
Cerro Vanguardia (92.5%)  
Proved  
1.6  
210.18  
10.62  
Probable  
4.5  
83.62  
12.04  
Silver total  
6.1  
116.50  
22.66

\* As the three Vaal River Mines feed to a combination of plants it is not possible to account for the uranium oxide by-product by mine.

12

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Mineral Resources: By-products (attributable)

Mine

Category

Tonnes million

Grade kg/t

Uranium (000 t)

South Africa

Uranium

Great Noligwa

Measured

–

–

–

Indicated

16.9

0.95

16.039

Inferred

0.7

0.99

0.729

Total

17.6

0.95

16.768

Kopanang

Measured

2.0

0.55

1.081

Indicated

17.5

0.55

9.637

Inferred

0.6

0.56

0.339

Total

20.1

0.55

11.057

Moab Khotsong

Measured

–

–

–

Indicated

6.5  
 1.78  
 11.531  
 Inferred  
 5.5  
 1.32  
 7.279  
 Total  
 12.0  
 1.57  
 18.809  
 Savuka  
 Measured  
 -  
 -  
 -  
 Indicated  
 2.0  
 0.26  
 0.506  
 Inferred  
 -  
 -  
 -  
 Total  
 2.0  
 0.26  
 0.506  
 Tau Tona  
 Measured  
 -  
 -  
 -  
 Indicated  
 13.2  
 0.42  
 0.000  
 Inferred  
 -  
 -  
 -  
 Total  
 13.2  
 0.42  
 0.000  
 Uranium total  
 64.8  
 0.81  
 52.674  
 Mine  
 Category

Tonnes million  
 Grade ppm  
 Copper (Mt)  
 Australia  
 Copper  
 Boddington (33.33%)  
 Measured  
 46.3  
 1,138  
 0.053  
 Indicated  
 149.3  
 1,108  
 0.167  
 Inferred  
 134.3  
 959  
 0.130  
 Copper total  
 329.8  
 1,051  
 0.347  
 Mine  
 Category  
 Tonnes million  
 Grade %  
 Sulphur (Mt)  
 Brazil  
 Sulphur  
 AGA Mineração  
 Measured  
 2.6  
 6.89%  
 0.18  
 Indicated  
 9.2  
 7.35%  
 0.67  
 Inferred  
 12.9  
 7.52%  
 0.97  
 Sulphur total  
 24.7  
 7.39%  
 1.83  
 Mine  
 Category  
 Tonnes million  
 Grade g/t  
 Silver (Moz)

Argentina  
Silver  
Cerro Vanguardia (92.5%)  
Measured  
10.8  
40.03  
13.8  
Indicated  
15.3  
60.24  
29.7  
Inferred  
6.5  
61.98  
13.0  
Silver total  
32.6  
53.92  
56.5

13

Mineral Resources (exclusive of ore reserves) by operation (attributable)

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

South Africa

Great Noligwa

Measured

5.2

20.42

105.5

5.7

0.596

3.4

Indicated

0.3

52.22

15.4

0.3

1.523

0.5

Inferred

0.7

15.44

11.4

0.8

0.450

0.4

Total

6.2

21.35

132.3

6.8

0.623

4.3

Kopanang

Measured

1.4



15.98

23.0

1.6

0.466

0.7

Indicated

4.8

13.30

63.2

5.2

0.388

2.0

Inferred

1.4

15.36

21.0

1.5

0.448

0.7

Total

7.6

14.18

107.2

8.3

0.414

3.4

Moab Khotsong

Measured

—

—

—

—

—

—

Indicated

5.4

21.94

118.1

5.9

0.640

3.8

Inferred

6.3

20.80

130.3

6.9

0.607

4.2

Total

11.6

21.33

248.4

12.8

0.622

8.0

Tau Lekoa

Measured

3.9

5.47

21.4

4.3

0.160

0.7

Indicated

37.1

4.90

181.9

40.9

0.143

5.8

Inferred

—

—

—

—

—

—

Total

41.0

4.96

203.2

45.2

0.145

6.5

Vaal River Surface (VRGO)

Measured

—

—

—

—

—

—

Indicated

182.0

0.36

65.0

200.6

0.010

2.1

Inferred

12.4

0.33

4.1  
13.6  
0.010  
0.1  
Total  
194.3  
0.36  
69.2  
214.2  
0.010  
2.2  
Mponeng  
Measured  
8.2  
10.65  
87.0  
9.0  
0.311  
2.8  
Indicated  
31.7  
16.13  
511.8  
35.0  
0.470  
16.5  
Inferred  
0.2  
10.53  
1.6  
0.2  
0.307  
0.1  
Total  
40.1  
14.99  
600.4  
44.2  
0.437  
19.3  
Savuka  
Measured  
0.8  
13.03  
11.0  
0.9  
0.380  
0.4  
Indicated  
6.4  
3.93

25.3  
7.1  
0.115  
0.8  
Inferred  
—  
—  
—  
—  
—  
—  
Total  
7.3  
4.98  
36.3  
8.0  
0.145  
1.2  
Tau Tona  
Measured  
1.3  
26.43  
34.9  
1.5  
0.771  
1.1  
Indicated  
5.8  
26.18  
150.7  
6.3  
0.764  
4.8  
Inferred  
1.6  
8.42  
13.3  
1.7  
0.246  
0.4  
Total  
8.7  
22.97  
198.9  
9.5  
0.670  
6.4  
West Wits Surface  
Measured  
—  
—

—  
—  
—  
—  
Indicated  
0.3  
0.52  
0.1  
0.3  
0.015  
0.0  
Inferred  
7.1  
0.68  
4.8  
7.8  
0.020  
0.2  
Total  
7.4  
0.68  
5.0  
8.1  
0.020  
0.2  
Argentina  
Cerro Vanguardia (92.5%)  
Measured  
—  
—  
—  
—  
—  
—  
Indicated  
2.0  
10.18  
20.0  
2.2  
0.297  
0.6  
Inferred  
2.9  
6.84  
19.8  
3.2  
0.199  
0.6  
Total  
4.9  
8.19

39.8

5.4

0.239

1.3

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

14

Mineral Resources (exclusive of ore reserves) by operation (attributable)

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

Australia

Boddington (33.33%)

Measured

5.1

0.52

2.6

5.6

0.015

0.1

Indicated

56.2

0.65

36.6

61.9

0.019

1.2

Inferred

134.3

0.70

94.6

148.0

0.021

3.0

Total

195.5

0.68

133.9

215.5

0.020

4.3

Sunrise Dam

Measured

8.0  
0.92  
7.3  
8.8  
0.027  
0.2

Indicated

5.1  
2.40  
12.2  
5.6  
0.070  
0.4

Inferred

8.7  
5.72  
50.0  
9.6  
0.167  
1.6

Total

21.8  
3.19  
69.6  
24.0  
0.093  
2.2

Brazil

AGA Mineração

Measured

3.8  
7.45  
28.6  
4.2  
0.217  
0.9

Indicated

4.6  
8.95  
41.0  
5.0  
0.261  
1.3

Inferred

24.2  
7.18  
173.5  
26.6  
0.209  
5.6



Total  
32.6  
7.46  
243.0  
35.9  
0.218  
7.8  
Serra Grande (50%)  
Measured  
0.2  
8.96  
2.0  
0.2  
0.261  
0.1  
Indicated  
0.2  
9.03  
1.5  
0.2  
0.263  
0.0  
Inferred  
1.6  
6.11  
9.8  
1.8  
0.178  
0.3  
Total  
2.0  
6.67  
13.4  
2.2  
0.195  
0.4  
Ghana  
Iduapriem (85%)  
Measured  
6.9  
1.48  
10.1  
7.6  
0.043  
0.3  
Indicated  
4.3  
1.68  
7.3  
4.8  
0.049

0.2  
Inferred  
6.8  
1.45  
9.9  
7.5  
0.042  
0.3  
Total  
18.0  
1.52  
27.3  
19.8  
0.044  
0.9  
Guinea  
Siguiiri (85%)  
Measured  
4.7  
0.84  
4.0  
5.2  
0.024  
0.1  
Indicated  
19.7  
1.04  
20.6  
21.7  
0.030  
0.7  
Inferred  
90.4  
0.63  
57.2  
99.7  
0.018  
1.8  
Total  
114.9  
0.71  
81.7  
126.6  
0.021  
2.6

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

15

Metric

Imperial

Contained

Contained

Tonnes

Grade

gold

Tons

Grade

gold

Category

million

g/t

tonnes

million

oz/t

Moz

Mali

Morila (40%)

Measured

–

–

–

–

–

–

Indicated

3.2

2.43

7.7

3.5

0.071

0.2

Inferred

1.2

3.38

3.9

1.3

0.098

0.1

Total

4.3

2.68

11.7

4.8

0.078

0.4

Sadiola (38%)

Measured

0.0  
2.10  
0.1  
0.0  
0.061  
0.0  
Indicated  
15.6  
2.18  
34.0  
17.2  
0.064  
1.1  
Inferred  
33.6  
1.85  
62.2  
37.0  
0.054  
2.0  
Total  
49.2  
1.96  
96.3  
54.2  
0.057  
3.1  
Yatela (40%)  
Measured  
0.2  
2.62  
0.4  
0.2  
0.076  
0.0  
Indicated  
0.6  
2.57  
1.5  
0.6  
0.075  
0.0  
Inferred  
0.4  
2.31  
1.0  
0.5  
0.067  
0.0  
Total  
1.2

2.48  
2.9  
1.3  
0.072  
0.1  
Namibia  
Navachab  
Measured  
8.3  
0.64  
5.3  
9.2  
0.019  
0.2  
Indicated  
16.8  
1.48  
24.9  
18.5  
0.043  
0.8  
Inferred  
3.3  
1.24  
4.1  
3.7  
0.036  
0.1  
Total  
28.4  
1.21  
34.4  
31.3  
0.035  
1.1  
Tanzania  
Geita  
Measured  
3.7  
3.41  
12.7  
4.1  
0.100  
0.4  
Indicated  
22.6  
4.33  
97.9  
24.9  
0.126  
3.1

Inferred

7.5  
5.23  
39.1  
8.2  
0.152  
1.3

Total

33.8  
4.43  
149.6  
37.3  
0.129  
4.8

USA

Cripple Creek and Victor

Measured

58.7  
1.07  
62.8  
64.7  
0.031  
2.0

Indicated

41.2  
0.94  
38.7  
45.4  
0.027  
1.2

Inferred

8.2  
0.73  
6.0  
9.1  
0.021  
0.2

Total

108.1  
0.99  
107.5  
119.1  
0.029  
3.5

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

16

Grade tonnage curves of the Mineral Resource

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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Grade tonnage curves of the Mineral Resource

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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Grade tonnage curves of the Mineral Resource

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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## MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Year-on-year Mineral Resource and Ore Reserve comparison by operation (attributable)

Au Content (Million Ounces)

Percentage

Model

Scope

Net

Operation

Attributable

Category

2004

Depletion

(1)

Change

(2)

Change

(3)

2005

Difference

%

South Africa

Great

Noligwa

100%

Resource

14.8 -1.1 0.0 -2.8 11.0 -3.9

-26%

Reserve

5.5 -0.7 0.1 -0.3 4.6 -0.9

-17%

Kopanang

100%

Resource

13.5 -0.7 -1.2 -0.3 11.3 -2.2

-16%

Reserve

6.0 -0.5 0.0 0.0 5.5 -0.5 -8%

Moab

Khotsong

100%

Resource

17.2 0.0 0.2 -4.5

13.0 -4.3

-25%

Reserve

9.0 0.0 0.4 -5.8 3.6 -5.4

-60%

Tau

Lekoa

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100%						
Resource						
11.3	-0.3	-0.3	-2.9	7.7	-3.6	
-31%						
Reserve						
2.9	-0.3	0.1	-1.8	1.0	-1.9	
-65%						
Vaal River Surface (VRGO) 100%						
Resource						
4.8						
-0.1						
-0.4						
0.0						
4.3						
-0.5						
-10%						
Reserve						
2.9	-0.1	-0.4	0.0	2.3	-0.6	
-21%						
ERGO						
100%						
Resource						
0.8	-0.1	0.0	-0.7	0.0	-0.8	
-100%						
Reserve						
0.1	-0.1	0.0	0.0	0.0	-0.1	
-100%						
Mponeng						
100%						
Resource						
29.5	-0.6	0.7	-5.3	24.4	-5.1	
-17%						
Reserve						
6.7	-0.5	0.0	-1.7	4.5	-2.2	
-33%						
Savuka						
100%						
Resource						
8.2	-0.2	0.0	-6.8	1.2	-7.0	
-85%						
Reserve						
0.4	-0.1	0.0	-0.3	0.0	-0.4	
-97%						
TauTona						
100%						
Resource						
15.2	-0.7	-0.7	0.0	13.8	-1.4	-9%
Reserve						
5.6	-0.5	0.5	-0.4	5.3	-0.3	-6%
Western Ultra Deep Levels 100%						
Resource						

1.5						
0.0						
0.0						
-1.5						
0.0						
-1.5						
-100%						
Reserve						
0.0	0.0	0.0	0.0	0.0	0.0	0%
West						
Wits						
Surface						
100%						
Resource						
0.2	0.0	0.0	0.0	0.2	0.0	3%
Reserve						
0.0	0.0	0.0	0.0	0.0	0.0	0%
South Africa totals:						
Resource						
117.0						
-3.6						
-1.7						
-24.8						
86.9						
-30.1						
-26%						
Reserve						
39.1	-2.8					
0.8	-10.3	26.8	-12.3	-32%		
Argentina						
Cerro						
Vanguardia						
92.5%						
Resource						
3.5	-0.2	0.0	0.0	3.3	-0.2	-6%
Reserve						
1.6	-0.2	0.0	0.0	1.3	-0.2	
-15%						
Argentina						
totals:						
Resource						
3.5	-0.2	0.0	0.0	3.3	-0.2	
-6%						
Reserve						
1.6	-0.2	0.0	0.0	1.3	-0.2	
-15%						
Australia						
Boddington						
33.33%						
Resource						
6.6	0.0	1.6	0.0	8.2	1.6	

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25%						
Reserve						
3.6	0.0	0.2	0.0	3.9	0.2	6%
Sunrise						
Dam						
100%						
Resource						
5.1	-0.7	0.1	-0.2	4.3	-0.8	
-15%						
Reserve						
2.5	-0.5	-0.1	-0.1	1.8	-0.7	
-30%						
Australia						
totals:						
Resource						
11.6	-0.7	1.7	-0.2			
12.5	0.9	7%				
Reserve						
6.2	-0.5	0.2	-0.1	5.6	-0.5	
-8%						



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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Comments

The reduction is due to the removal of the C Reef because of economics factors, plus pillar clean up.

The reduction is due to reduced volumes and a lower Mine Call Factor.

The reduction is due to inventory clean up, structural changes at Edom and model changes.

The reduction is due to mineral economics in the MK Lower area.

Phase 2 has been removed from the Mine Plan (4.1 Moz). Phase 1 was reduced by 1.3 Moz due to a lower Mine Call Factor.

The Mineral Resource below 1650 Level has been removed due to economic factors.

The Ore Reserve is now based on a 4 year plan in order to be SEC compliant.

The reduction is due to new geological information and re-evaluation.

The reduced Life Of Mine for Moab Khotsong will result in an earlier closure of the milling plant.

Closed.

Closed.

The reduction is due to mineral economics on Block 5 and the Carbon Leader Reef.

The VCR below 120 level (1.3 Moz) was removed due to mineral economics; 0.4 Moz was removed due to a lower Mine Call Factor.

Shaft closure.

Shaft closure.

The reduction is due to uneconomic scoping studies.

Removal due to lapse of exploration and mineral rights.

Exploration is keeping pace with depletion.

The addition is due to the completion of the latest feasibility study.

The addition is due to the completion of the latest feasibility study.

Design changes to the pit and underground were partially offset by additional stockpiles.

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Year-on-year Mineral Resource and Ore Reserve comparison by operation (attributable)

Au Content (Million Ounces)

Percentage

Model

Scope

Net

Operation

Attributable

Category

2004

Depletion

(1)

Change

(2)

Change

(3)

2005

Difference

%

Brazil

AGA

Mineração 100%

Resource

10.0 -0.3 1.7 0.0

11.4 1.4

14%

Reserve

2.4 -0.3 0.3 0.1 2.5 0.1 6%

Serra

Grande

50%

Resource

0.9 -0.1 0.0 0.0 0.8 -0.1

-10%

Reserve

0.4 -0.1 0.0 0.0 0.4 -0.1

-12%

Brazil

totals:

Resource

10.9 -0.4 1.7 0.0

12.2 1.3

12%

Reserve

2.8 -0.4 0.3 0.1 2.9 0.1 3%

Ghana

Bibiani

100%

Resource

1.6 -0.2 -0.3 -0.3 0.9 -0.7

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-46%						
Reserve						
0.5	-0.1	0.0	-0.2	0.1	-0.3	
-69%						
Iduapriem						
85%						
Resource						
3.4	-0.2	0.0	-0.2	3.0	-0.4	
-12%						
Reserve						
1.8	-0.2	0.0	0.3	1.8	0.1	4%
Obuasi						
100%						
Resource						
29.3	-0.7	-7.8	4.2	24.9	-4.4	
-15%						
Reserve						
9.6	-0.5	0.0	-0.4	8.6	-0.9	
-10%						
Ghana						
totals:						
Resource						
34.3	-1.1	-8.1	3.7	28.8	-5.5	
-16%						
Reserve						
11.8	-0.8	0.0	-0.3	10.6	-1.2	
-10%						
Guinea						
Siguiri						
85%						
Resource						
4.2	-0.3	-1.6	1.9	4.3	0.1	1%
Reserve						
1.7	-0.2	0.0	0.1	1.6	0.0	-3%
Guinea						
totals:						
Resource						
4.2	-0.3	-1.6	1.9	4.3	0.1	1%
Reserve						
1.7	-0.2	0.0	0.1	1.6	0.0	
-3%						
Mali						
Morila						
40%						
Resource						
1.4	-0.4	0.2	0.1	1.4	0.0	-2%
Reserve						
1.0	-0.3	0.0	0.2	0.9	-0.1	-8%
Sadiola						
38%						
Resource						

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3.6	-0.1	0.2	0.4	4.2	0.5	
15%						
Reserve						
0.9	-0.2	0.1	0.0	0.9	-0.1	-6%
Yatela						
40%						
Resource						
0.6	-0.1	0.0	-0.1	0.5	-0.2	
-27%						
Reserve						
0.4	-0.1	0.0	0.0	0.2	-0.1	
-39%						
Mali						
totals:						
Resource						
5.7	-0.5	0.4	0.5	6.1	0.4	6%
Reserve						
2.3	-0.6	0.1	0.2	2.0	-0.3	
-12%						
Namibia						
Navachab						
100%						
Resource						
5.2	-0.1	0.0	-3.3	1.8	-3.4	
-66%						
Reserve						
0.5	-0.1	0.0	0.1	0.5	0.1	
10%						
Namibia						
totals:						
Resource						
5.2	-0.1	0.0	-3.3	1.8	-3.4	
-66%						
Reserve						
0.5	-0.1	0.0	0.1	0.5	0.1	
10%						
Tanzania						
Geita						
100%						
Resource						
18.1	-0.6	-4.2	0.0	13.3	-4.8	
-27%						
Reserve						
9.0	-0.7	0.4	-0.3	8.5	-0.5	-6%
Tanzania						
totals:						
Resource						
18.1	-0.6	-4.2	0.0	13.3	-4.8	
-27%						
Reserve						
9.0	-0.7	0.4	-0.3	8.5	-0.5	

-6%

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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Comments

Exploration at Córrego do Sítio showed positive results.

Grade improvement.

Close to end of life.

Updated studies showed that underground mining was not feasible.

An increase of 0.3Moz was due to the inclusion of the A Zone at a higher gold price.

The changes are due to new estimation and classification methods.

The changes are due to revised Dilution Grade assumptions.

An additional pit was added to the Ore Reserve.

The reduction is due to a revised cost structure.

Grid A was added to the Ore Reserve.

The reduction is due to revised economic definitions of the Mineral Resource.

Increases to the Ore Reserves at Matandani and Geita Hill were off-set by decreases due to higher cut-off grades as a result of cost increases.

**MINERAL RESOURCES AND ORE RESERVES**

(as at 31 December 2005)

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## MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Year-on-year Mineral Resource and Ore Reserve comparison by operation (attributable)

Au Content (Million Ounces)

Percentage

Model

Scope

Net

Operation

Attributable

Category

2004

Depletion

(1)

Change

(2)

Change

(3)

2005

Difference

%

USA

Cripple

Creek

&amp;

Victor

100%

Resource

7.7	-0.6	0.7	-1.0	6.8	-0.9
-----	------	-----	------	-----	------

-12%

Reserve

3.9	-0.6	-0.7	0.7	3.3	-0.6
-----	------	------	-----	-----	------

-15%

USA

Totals:

Resource

7.7	-0.6	0.7	-1.0	6.8	-0.9
-----	------	-----	------	-----	------

-12%

Reserve

3.9	-0.6	-0.7	0.7	3.3	-0.6
-----	------	------	-----	-----	------

-15%

ANGLOGOLD

ASHANTI

Resource

218.2	-8.1	-11.1	-23.2	175.8	-42.4	-19%
-------	------	-------	-------	-------	-------	------

GRAND TOTALS

Reserve

78.9

-7.0

1.2

- 9.8
- 63.3
- 15.6
- 20%
- (1)  
Depletion: reduction in reserves based on ore delivered to the plant and corresponding reduction in resource.
- (2)  
Model Change: difference between the reserves based on the start of year and end of year resource models. In both cases the end of year mine design and mining faces are applied.
- (3)  
Scope Change: difference resulting from change in cut-off grade, mine call factor, new project studies and any other factors influencing reserve and resource estimation.



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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

Comments

The changes are due to a revised gold recovery model.

Increases due to exploration drilling were offset by the exclusion of WHEX due to leach pad capacity constraints.

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

28

Year-on-year Mineral Resource and Ore Reserve changes

17.2

0.0

-4.5

0.0

0.0

0.3

0.0

13.0

2004

Depletions

Gold

Cost

Stock-

Explo-

Metho-

2005

Price

pile

ration

dology

Moab Khotsong: Mineral Resources 2004 vs 2005

20 –

15 –

10 –

5 –

0 –

Moz

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

29

2.9

-0.1

-0.4

0.0

0.0

2.3

2004

Depletion

Modelling

Scope

Disposal

2005

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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Year-on-year Mineral Resource and Ore Reserve changes

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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Year-on-year Mineral Resource and Ore Reserve changes

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

34

Year-on-year Mineral Resource and Ore Reserve changes



MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

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Modifying Factors

Gold Price

Exchange

Cut-off

(1)

Cut-off

Stoping

Mine Call

\*\*

used

rate per

grade

value

Width

Dilution

(2)\*

Factor

Mine

US\$/oz

USD \$

g/t Au

cmg/t Au

cm

%

(MCF) %

South Africa

Great Noligwa

400

ZAR 6.75 = \$

6.29

1000

158.88

32.22%

68.68%

Kopanang

400

ZAR 6.75 = \$

6.86

700

102

49.19%

69.83%

Moab Khotsong – Upper Mine

400

ZAR 6.75 = \$

7.84

1180

150.58

45.94%  
72.65%  
Tau Lekoa  
400  
ZAR 6.75 = \$  
5.07  
830  
163.2  
22.44%  
84.77%  
Mponeng  
400  
ZAR 6.75 = \$  
6.43  
900  
140  
38.23%  
88.98%  
Vaal River Surface  
n/a  
ZAR 6.75 = \$  
n/a  
n/a  
n/a  
n/a  
n/a  
Savuka  
400  
ZAR 6.75 = \$  
8.74  
900  
103  
44.60%  
80%  
TauTona  
400  
ZAR 6.75 = \$  
11.34  
1100  
97.01  
110.15%  
79.70%  
Argentina  
Cerro Vanguardia  
400  
n/a  
2.38  
n/a  
30.00%  
96.00%  
Australia

Boddington

400

A\$ 1.39 =\$

0.4

n/a

n/a

n/a

Sunrise Dam - Pit

400

A\$ 1.39 =\$

1.2

n/a

n/a

n/a

Sunrise Dam - Underground

400

A\$ 1.39 =\$

3

2.5

n/a

n/a

Brazil

AGA Mineração - Córrego do Sítio

400

n/a

1.83

n/a

34% - 47%

n/a

AGA Mineração - Cuiaba

400

n/a

2.36 - 2.64

400 - 1500

94.50%

n/a

Serra Grande

400

n/a

2-3

250 - 350

5%

95%

Ghana

Bibiani - Tailings

400

n/a

n/a

n/a

n/a

n/a

Iduapriem 400

n/a

0.86

n/a

8%

n/a

Obuasi - Pit

425

n/a

n/a

n/a

10%

85%

Obuasi - Underground

450

n/a

5.21 - 7.89

200 - 3700

10% - 30%

82%

Obuasi - Stockpile

450

n/a

n/a

n/a

n/a

100%

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

37	
Metallurgical	
Recovery	
Other	
Factor	
(3)	
%	
Factor	
Comments	
97.10%	
n/a	
97.74%	
n/a	
97.57%	
n/a	
96.68%	
n/a	
98.41%	
n/a	
73.12%	
n/a	
97.60%	
n/a	
97.70%	
n/a	
95.20%	
n/a	
There is 50cm of dilution on each side of the quartz veins. Mine Call Factor is only applied for veins where grade control drilling is not in place.	
n/a	
n/a	
Cut-off is based on a net smelter return of A\$6.44/t which approximates to 0.4 g/t Au over LOM.	
82%	
n/a	
82% - 90%	
n/a	
Stope strike length 30m for SSZ and 25m for WSZ. Metallurgical recovery 90% for SSZ and 82% for WSZ.	
87%	
n/a	
Dilution depends on the width of the orebody; 1m at each contact has been assumed.	
92.50%	
n/a	
92.8% - 96.09%	
n/a	
60%	
n/a	
No cut-off grade	
94%	

n/a  
75%  
n/a  
81.90%  
n/a  
60%  
n/a

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

38

Modifying Factors

Gold Price

Exchange

Cut-off

(1)

Cut-off

Stoping

Mine Call

\*\*

used

rate per

grade

value

Width

Dilution

(2)\*

Factor

Mine

US\$/oz

USD \$

g/t Au

cmg/t Au

cm

%

(MCF) %

Guinea

Siguiri

400

n/a

0.40 - 0.53

n/a

4%

96%

Mali

Morila - Pit

400

n/a

1.4

n/a

n/a

n/a

Morila - TSF

400

n/a

n/a

n/a

n/a

n/a



Sadiola - Pit

400

n/a

1.2-2.4

n/a

n/a

n/a

Yatela - Pit

400

n/a

1.38 - 1.75

n/a

n/a

87%

Namibia

Navachab - Pit

400

N\$ 6.75 = \$

1.00

n/a

n/a

n/a

Tanzania

Geita

400

n/a

1.0 - 3.1

n/a

n/a

n/a

USA

Cripple Creek and Victor

400

n/a

0.4

n/a

n/a

n/a

Notes:

(1)

A range of cut-off grades indicates variable ore types.

(2)

Where no dilution factor is indicated the dilution is inherent in the resource model estimate.

(3)

A range of plant recoveries indicates variable ore types.

\* Dilution: The difference between the tonnage broken in stopes and the tonnage milled from underground sources.

For example, if 100 tonnes broken in the stopes amounts

to 132 tonnes milled, then the dilution is 32%.

\*\* Mine Call Factor (MCF): The ratio expressed as a percentage, which the specific product accounted for in the recovery, plus residues, bears to the corresponding product called for by the mine's measuring methods.

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

39

Metallurgical

Recovery

Other

Factor

(3)

%

Factor

Comments

93.50%

n/a

89% - 91.5%

n/a

62%

n/a

75% - 93%

n/a

Recovery and cut-off grade vary with pit and ore type.

75% - 85%

n/a

Recovery and cut-off grade vary with pit and ore type.

87% - 92%

n/a

Exchange Rate N\$6.75

66% - 95%

n/a

Recovery and cut-off grade vary with pit and ore type.

62%

n/a

Cut-off grade based on 0.007 recoverable ounces per short ton, which approximates to 0.4g/t at 63% recovery.

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

40

Details of average drillhole spacing and type in relation to Mineral Resource classification

Category

Spacing

Type of drilling

Mine/project name

m (-x-)

Diamond

RC

Blasthole

Other

South Africa

South African Mines

Measured

5 x 5

x

Indicated

2 x 200

x

Inferred

1000 x 1000

x

Grade/Ore Control

5 x 5

x

Argentina

Cerro Vanguardia

Measured

12.5 x 5

x

x

Indicated

25 x 10

x

x

Inferred

50 x 15

x

Grade/Ore Control

12.5 x 5

x

Australia

Boddington

Measured

25 x 25

x

x

Indicated

50 x 50

x  
x  
Inferred  
100 x 200  
x  
x  
Grade/Ore Control  
Sunrise Dam  
Measured  
25 x 25  
x  
x  
Indicated  
40 x 40  
x  
x  
Inferred  
50 x 100  
x  
x  
Grade/Ore Control  
7 x 5  
x  
(x)  
Brazil  
AGA Mineração (Corrego do Sitio)  
Measured  
25 x 25  
x  
x  
Indicated  
50 x 50  
x  
x  
Inferred  
150 x 150  
x  
x  
Grade/Ore Control  
5 x 5  
x  
x  
x  
AGA Mineração (Cuiaba)  
Measured  
5 x 5 and 20 x 60  
x  
Indicated  
20 x 60  
x  
Inferred

80 x 500

x

Grade/Ore Control

5 x 5

x

AGA Mineração (Engenho D'Agua)

Measured

20 x 20

x

Indicated

40 x 40

x

Inferred

100 x 100

x

Grade/Ore Control

2.5 x 2.5

x

Serra Grande

Measured

10 x 20 and 15 x 30

x

Indicated

Inferred

Grade/Ore Control

2 x 2 and 4 x 4

x

Ghana

Bibiani

Measured

30 x 30

x

x

Indicated

60 x 60

x

x

Inferred

120 x 120

x

x

Grade/Ore Control

4 x 4 and 10 x 10

x

x

Idiapriem

Measured

50 x 50

x

x

Indicated

50 x 75

x

x

Inferred

100 x 100

x

x

Grade/Ore Control

10 x 10

x

Obuasi - Surface

Measured

20 x 20

x

x

Indicated

30 x 30

x

x

Inferred

90 x 90

x

x

Grade/Ore Control

10 x 10

x

x

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

41

Comments

Based on optimised kriging to a minimum regression slope of 0.6, supported by chip sampling in stopes.

Based on a >20% estimated error, supported by underground drillholes and chip sampling of reef development ends.

Based on a >80% estimated error, supported by surface drillholes.

Chipped channel samples.

Mineral Resources were classified using a combination of drillhole spacing, number of samples in estimate and average distance to samples.

Not applicable.

Mineral Resources were classified using a combination of drillhole spacing, number of samples in estimate, average distance to samples and confidence

in geological interpretation / estimate.

(Blastholes were historically used for grade control in Sunrise Pit by Placer.)

Diamond drill and RC Holes

Diamond drill, RC Holes and channel samples

Diamond drill, RC Holes and channel samples

Diamond drill, RC Holes and channel samples

Channel samples.

Channel samples.

Channel samples.

10m x 10m spacing for grade control RC drilling and 4m x 4m spacing for blastholes.

50m x 100m spacing in some areas.

RC drilling only. Occasionally 20m x 10m spacing.

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

42

Details of average drillhole spacing and type in relation to Mineral Resource classification

Category

Spacing

Type of drilling

Mine/project name

m (-x-)

Diamond

RC

Blasthole

Other

Obuasi - Underground

Measured

20 x 20

x

x

Indicated

60 x 60

x

x

Inferred

120 x 120

x

x

Grade/Ore Control

Guinea

Siguiri

Measured

25 x 25

x

x

AC

Indicated

25 x 25

x

x

AC

Inferred

50 x 50

x

Grade/Ore Control

5 x 8

x

Mali

Morila

Measured

10 x 10

x

x



Indicated

30 x 30

x

x

Inferred

60 x 60

x

x

Grade/Ore Control

10 x 10

x

x

Sadiola

Measured

25 x 25

x

x

Indicated

25 x 50

x

x

Inferred

>25 x 50

x

Grade/Ore Control

5 x 10

x

Yatela

Measured

10 x 10 and 25 x 25

x

Indicated

25 x 25 and 35 x 45

x

Inferred

>25 x 25 and > 35 x 45

x

Grade/Ore Control

5 x 10

x

Namibia

Navachab

Measured

5 x 10 and 20 x 20

x

Indicated

12.5 x 25 and 30 x 30

x

x

Inferred

25 x 25 and 50 x 50

x  
x  
Grade/Ore Control  
5 x 10  
x  
Tanzania  
Geita  
Measured  
20 x 20  
x  
x  
Indicated  
40 x 40  
x  
x  
Inferred  
80 x 80  
x  
x  
Grade/Ore Control  
10 x 10  
x  
USA  
Cripple Creek & Victor  
Measured  
30 x 30  
x  
x  
Indicated  
30 x 30  
x  
x  
Inferred  
30 x 30  
x  
Grade/Ore Control  
5 x 6  
x

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

43

Comments

Channel samples.

Channel samples.

Channel samples.

Air Core drilling.

Also includes 25m x 50m spacing.

Blastholes were only used for sampling when there was insufficient RC coverage.

The North Pit has no Measured Resource.

Drillhole spacing is reduced to 5m x 5m in complex ore zones.

Use probability field to delineate Measured and Indicated.

Double search range.

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

44

Ore Reserves by project (attributable)

Metric

Imperial

Contained

Contained

gold

gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

South Africa

Great Noligwa - Vaal Reef

Proved

6,032

8.65

52,200

6,649

0.252

1,678

Probable

11,090

8.23

91,241

12,225

0.240

2,933

Total

17,122

8.38

143,441

18,874

0.244

4,612

Kopanang - Crystalkop Reef

Proved

119

7.47

893

132

0.218

29

Probable

285

6.81

1,942

314

0.199

62

Total

405

7.01

2,835

446

0.204

91

Kopanang - Vaal Reef

Proved

1,012

9.92

10,034

1,115

0.289

323

Probable

19,441

8.15

158,486

21,430

0.238

5,095

Total

20,452

8.24

168,520

22,545

0.240

5,418

Moab Khotsong - Vaal Reef

Proved

642

9.39

6,028

708

0.274

194

Probable

8,541

12.46

106,449

9,415

0.364  
3,422  
Total  
9,183  
12.25  
112,476  
10,123  
0.357  
3,616  
Tau Lekoa - Ventersdorp  
Proved  
3,857  
4.17  
16,093  
4,252  
0.122  
517  
Contact Reef  
Probable  
3,771  
4.05  
15,280  
4,157  
0.118  
491  
Total  
7,628  
4.11  
31,373  
8,409  
0.120  
1,009  
Vaal River Surface - SA Met  
Proved  
—  
—  
—  
—  
—  
—  
Probable  
115,126  
0.61  
70,268  
126,905  
0.018  
2,259  
Total  
115,126  
0.61  
70,268

126,905

0.018

2,259

Mponeng - Ventersdorp

Proved

1,873

7.01

13,134

2,065

0.204

422

Contact Reef

Probable

16,381

7.79

127,573

18,057

0.227

4,102

Total

18,254

7.71

140,707

20,122

0.225

4,524

Savuka - Carbon Leader Reef

Proved

19

8.27

154

21

0.241

5

Probable

32

9.02

286

35

0.263

9

Total

50

8.74

440

56

0.255

14

TauTona - Carbon Leader Reef

Proved

890

11.69  
10,404  
981  
0.341  
335  
Probable  
12,758  
11.40  
145,463  
14,063  
0.333  
4,677  
Total  
13,648  
11.42  
155,867  
15,044  
0.333  
5,011  
TauTona - Ventersdorp  
Proved  
10  
8.62  
87  
11  
0.252  
3  
Contact Reef  
Probable  
1,299  
6.16  
7,996  
1,432  
0.180  
257  
Total  
1,309  
6.17  
8,083  
1,443  
0.180  
260  
Argentina  
Cerro Vanguardia - Main Pits  
Proved  
1,502  
8.04  
12,072  
1,655  
0.234  
388



Probable

4,478

6.53

29,236

4,936

0.190

940

Total

5,979

6.91

41,308

6,591

0.201

1,328

Cerro Vanguardia - Stockpile

Proved

70

7.01

492

77

0.205

16

Full Grade Ore

Probable

—

—

—

—

—

—

Total

70

7.01

492

77

0.205

16

Australia

Boddington - Main Pit

Proved

41,194

1.01

41,441

45,409

0.029

1,332

Probable

93,066

0.85

78,766

102,588

0.025  
2,532  
Total  
134,260  
0.90  
120,207  
147,996  
0.026  
3,865

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

45

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Sunrise Dam - Open Pit

Proved

1,691

3.29

5,559

1,864

0.096

179

Probable

8,607

3.92

33,702

9,488

0.114

1,084

Total

10,298

3.81

39,261

11,352

0.111

1,262

Sunrise Dam - Stockpile

Proved

4,817

1.70

8,178

5,310

0.050

263

Full Grade Ore

Probable

-  
-  
-  
-  
-  
-

Total

4,817

1.70

8,178

5,310

0.050

263

Sunrise Dam - Underground

Proved

-  
-  
-  
-  
-  
-

Probable

819

9.39

7,691

903

0.274

247

Total

819

9.39

7,691

903

0.274

247

Brazil

AGA Mineração - Córrego do Sítio

Proved

410

5.32

2,184

452

0.155

70

Probable

854

4.93

4,207

942

0.144

135

Total

1,265

5.05

6,391

1,394

0.147

205

AGA Mineração - Cuiaba

Proved

1,616

6.64

10,728

1,781

0.194

345

Probable

7,739

7.78

60,213

8,531

0.227

1,936

Total

9,355

7.58

70,942

10,312

0.221

2,281

AGA Mineração - Stockpile

Proved

40

7.76

311

44

0.226

10

Probable

—

—

—

—

—

—

Total

40

7.76

311

44

0.226

10

Serra Grande

Proved

590

4.56

2,688

650

0.133

86

Probable

1,232

7.14

8,796

1,358

0.208

283

Total

1,822

6.30

11,485

2,008

0.184

369

Serra Grande - Stockpile

Proved

43

6.97

296

47

0.203

10

Probable

—

—

—

—

—

—

Total

43

6.97

296

47

0.203

10

Ghana

Bibiani - Tailings

Proved

3,975

1.03

4,095

4,382

0.030

132

Probable

364

0.93

339

401

0.027

11

Total

4,339

1.02

4,433

4,783

0.030

143

Iduapriem - Surface

Proved

24,359

1.78

43,340

26,851

0.052

1,393

Probable

7,344

1.81

13,269

8,095

0.053

427

Total

31,703

1.79

56,609

34,947

0.052

1,820

Iduapriem - Stockpile

Proved

486

1.66

807

536

0.048

26

Full Grade Ore

Probable

—

—  
—  
—  
—  
—  
Total  
486  
1.66  
807  
536  
0.048  
26  
Obuasi - Surface  
Proved  
109  
5.49  
601  
121  
0.160  
19  
Probable  
—  
—  
—  
—  
—  
Total  
109  
5.49  
601  
121  
0.160  
19  
Obuasi - Tailings  
Proved  
9,505  
1.92  
18,224  
10,477  
0.056  
586  
Probable  
4,395  
1.55  
6,796  
4,845  
0.045  
219  
Total  
13,900



1.80  
25,020  
15,322  
0.053  
804

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

46

Ore Reserves by project (attributable)

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Obuasi - Underground

Proved

1,050

9.20

9,661

1,157

0.268

311

Probable

31,557

7.34

231,781

34,786

0.214

7,452

Total

32,607

7.40

241,442

35,943

0.216

7,763

Obuasi - Stockpile

Proved

-

-

-

-

-

—  
Probable  
3,000  
0.60  
1,800  
3,307  
0.018  
58  
Total  
3,000  
0.60  
1,800  
3,307  
0.018  
58  
Guinea  
Siguiiri - Oxides  
Proved  
1,834  
1.52  
2,788  
2,022  
0.044  
90  
Probable  
36,734  
1.00  
36,598  
40,492  
0.029  
1,177  
Total  
38,568  
1.02  
39,386  
42,514  
0.030  
1,266  
Siguiiri - Stockpile  
Proved  
2,550  
0.86  
2,193  
2,811  
0.025  
71  
Full Grade Ore  
Probable  
—  
—  
—

-  
 -  
 -  
 Total  
 2,550  
 0.86  
 2,193  
 2,811  
 0.025  
 71  
 Siguiri - Stockpile Marginal  
 Proved  
 19,206  
 0.50  
 9,551  
 21,171  
 0.015  
 307  
 Probable  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 19,206  
 0.50  
 9,551  
 21,171  
 0.015  
 307  
 Mali  
 Morila - Main Pit  
 Proved  
 3,171  
 4.07  
 12,916  
 3,495  
 0.119  
 415  
 Probable  
 2,423  
 3.62  
 8,764  
 2,671  
 0.106  
 282  
 Total  
 5,594  
 3.88

21,680

6,166

0.113

697

Morila - Stockpile FGO

Proved

3,208

2.36

7,555

3,536

0.069

243

Probable

—

—

—

—

—

—

Total

3,208

2.36

7,555

3,536

0.069

243

Morila - TSF

Proved

—

—

—

—

—

Probable

54

4.33

234

59

0.126

8

Total

54

4.33

234

59

0.126

8

Sadiola - FE3

Proved

—

-  
-  
-  
-  
-

Probable

711  
3.72  
2,644  
783  
0.109  
85

Total

711  
3.72  
2,644  
783  
0.109  
85

Sadiola - FE4

Proved

-  
-  
-  
-  
-  
-

Probable

809  
3.33  
2,698  
892  
0.097  
87

Total

809  
3.33  
2,698  
892  
0.097  
87

Sadiola - Main Pit

Proved

-  
-  
-  
-  
-  
-

Probable

3,734

4.32  
 16,148  
 4,117  
 0.126  
 519  
 Total  
 3,734  
 4.32  
 16,148  
 4,117  
 0.126  
 519  
 Sadiola - Stockpile  
 Proved  
 1,951  
 2.37  
 4,624  
 2,150  
 0.069  
 149  
 Full Grade Ore  
 Probable  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 1,951  
 2.37  
 4,624  
 2,150  
 0.069  
 149  
 Sadiola - Stockpile Marginal  
 Proved  
 807  
 0.93  
 749  
 889  
 0.027  
 24  
 Probable  
 -  
 -  
 -  
 -  
 -  
 -  
 Total

807  
0.93  
749  
889  
0.027  
24  
Yatela - Alamatoula Pit  
Proved  
—  
—  
—  
—  
—  
—  
Probable  
54  
2.28  
124  
60  
0.067  
4  
Total  
54  
2.28  
124  
60  
0.067  
4



MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

47

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Yatela - KW18

Proved

—

—

—

—

—

—

Probable

87

2.85

248

96

0.083

8

Total

87

2.85

248

96

0.083

8

Yatela - Main Pit

Proved

—

—

—

—

—

—

Probable

1,385

4.11

5,686

1,526

0.120

183

Total

1,385

4.11

5,686

1,526

0.120

183

Yatela - Stockpile

Proved

222

1.95

433

245

0.057

14

Full Grade Ore

Probable

—

—

—

—

—

—

Total

222

1.95

433

245

0.057

14

Yatela - Stockpile Marginal

Proved

294

0.87

255

324

0.025

8

Probable

—

—

—

—

—

-  
 Total  
 294  
 0.87  
 255  
 324  
 0.025  
 8  
 Namibia  
 Navachab - Main Pit  
 Proved  
 -  
 -  
 -  
 -  
 -  
 -  
 Probable  
 8,927  
 1.65  
 14,710  
 9,840  
 0.048  
 473  
 Total  
 8,927  
 1.65  
 14,710  
 9,840  
 0.048  
 473  
 Navachab - Stockpile Full  
 Proved  
 1,167  
 1.85  
 2,160  
 1,286  
 0.054  
 69  
 Grade Ore  
 Probable  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 1,167  
 1.85  
 2,160

1,286

0.054

69

Tanzania

Geita - Area 3 West

Proved

—

—

—

—

—

—

Probable

73

3.88

284

81

0.113

9

Total

73

3.88

284

81

0.113

9

Geita - Chipaka

Proved

—

—

—

—

—

—

Probable

2,166

2.58

5,579

2,388

0.075

179

Total

2,166

2.58

5,579

2,388

0.075

179

Geita - Geita Hill Surface

Proved

13,517

2.51  
33,877  
14,900  
0.073  
1,089  
Probable  
5,335  
3.65  
19,471  
5,880  
0.106  
626  
Total  
18,852  
2.83  
53,347  
20,781  
0.083  
1,715  
Geita - Kukuluma  
Proved  
756  
4.17  
3,151  
834  
0.121  
101  
Probable  
152  
4.31  
657  
168  
0.126  
21  
Total  
909  
4.19  
3,808  
1,002  
0.122  
122  
Geita - Lone Cone  
Proved  
490  
3.35  
1,641  
540  
0.098  
53  
Probable  
144

3.00  
 433  
 159  
 0.088  
 14  
 Total  
 634  
 3.27  
 2,074  
 699  
 0.095  
 67  
 Geita - Matandani  
 Proved  
 3,095  
 6.37  
 19,717  
 3,412  
 0.186  
 634  
 Probable  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 3,095  
 6.37  
 19,717  
 3,412  
 0.186  
 634  
 Geita - Nyankanga Surface  
 Proved  
 3,471  
 4.18  
 14,524  
 3,826  
 0.122  
 467  
 Probable  
 25,151  
 5.35  
 134,523  
 27,724  
 0.156  
 4,325  
 Total  
 28,622

5.21  
149,047  
31,550  
0.152  
4,792  
Geita - Ridge 8 Surface  
Proved  
—  
—  
—  
—  
—  
—  
Probable  
1,412  
2.81  
3,969  
1,557  
0.082  
128  
Total  
1,412  
2.81  
3,969  
1,557  
0.082  
128

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

48

Ore Reserves by project (attributable)

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Geita - Roberts

Proved

—

—

—

—

—

—

Probable

3,045

2.86

8,709

3,357

0.083

280

Total

3,045

2.86

8,709

3,357

0.083

280

Geita - Star and Comet

Proved

—

—

—

—

—



—  
Probable  
2,873  
5.43  
15,589  
3,166  
0.158  
501  
Total  
2,873  
5.43  
15,589  
3,166  
0.158  
501  
Geita - Stockpile  
Proved  
750  
2.88  
2,159  
826  
0.084  
69  
Full Grade Ore  
Probable  
—  
—  
—  
—  
—  
—  
Total  
750  
2.88  
2,159  
826  
0.084  
69  
USA  
Cripple Creek and Victor  
Proved  
87,373  
0.86  
75,365  
96,313  
0.025  
2,423  
Probable  
31,753  
0.86  
27,383

35,001  
0.025  
880  
Total  
119,126  
0.86  
102,748  
131,314  
0.025  
3,303  
Total AngloGold Ashanti  
Proved  
249,775  
1.86  
463,363  
275,330  
0.054  
14,897  
Probable  
479,201  
3.14  
1,506,032  
528,229  
0.092  
48,420  
Total  
728,976  
2.70  
1,969,395  
803,558  
0.079  
63,318

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

49

Mineral Resources by project (attributable)

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

South Africa

Great Noligwa - Crystalkop Reef

Measured

679

17.37

11,797

749

0.507

379

Indicated

880

14.77

12,987

970

0.431

418

Inferred

51

14.30

729

56

0.417

23

Total

1,610

15.85

25,514

1,774

0.462

820  
Great Noligwa - Vaal Reef  
Measured  
9,030  
18.79  
169,696  
9,954  
0.548  
5,456  
Indicated  
7,823  
17.30  
135,296  
8,623  
0.504  
4,350  
Inferred  
739  
15.44  
11,415  
815  
0.450  
367  
Total  
17,592  
17.99  
316,407  
19,392  
0.525  
10,173  
Kopanang - Crystalkop Reef  
Measured  
133  
14.54  
1,936  
147  
0.424  
62  
Indicated  
332  
14.69  
4,884  
367  
0.428  
157  
Inferred  
834  
14.69  
12,248  
919  
0.428

394  
 Total  
 1,299  
 14.67  
 19,068  
 1,432  
 0.428  
 613  
 Kopanang - Vaal Reef  
 Measured  
 1,965  
 17.98  
 35,325  
 2,166  
 0.524  
 1,136  
 Indicated  
 17,495  
 16.48  
 288,336  
 19,284  
 0.481  
 9,270  
 Inferred  
 608  
 16.19  
 9,848  
 670  
 0.472  
 317  
 Total  
 20,068  
 16.62  
 333,509  
 22,121  
 0.485  
 10,723  
 Moab Khotsong - Vaal Reef  
 Measured  
 315  
 16.28  
 5,129  
 347  
 0.475  
 165  
 Indicated  
 11,116  
 23.53  
 261,601  
 12,253  
 0.686

8,411  
 Inferred  
 6,267  
 21.78  
 136,511  
 6,908  
 0.635  
 4,389  
 Total  
 17,698  
 22.79  
 403,241  
 19,508  
 0.665  
 12,965  
 Mponeng - Carbon Leader Reef  
 Measured  
 -  
 -  
 -  
 -  
 -  
 -  
 Indicated  
 15,001  
 18.78  
 281,765  
 16,535  
 0.548  
 9,059  
 Inferred  
 153  
 10.53  
 1,607  
 168  
 0.307  
 52  
 Total  
 15,153  
 18.70  
 283,371  
 16,704  
 0.545  
 9,111  
 Mponeng - Ventersdorp  
 Measured  
 9,510  
 10.70  
 101,777  
 10,483  
 0.312

3,272  
 Contact Reef  
 Indicated  
 28,123  
 13.28  
 373,390  
 31,001  
 0.387  
 12,005  
 Inferred  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 37,633  
 12.63  
 475,167  
 41,483  
 0.368  
 15,277  
 Tau Lekoa - Ventersdorp  
 Measured  
 7,050  
 5.72  
 40,350  
 7,771  
 0.167  
 1,297  
 Contact Reef  
 Indicated  
 40,018  
 4.99  
 199,881  
 44,112  
 0.146  
 6,426  
 Inferred  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 47,067  
 5.10  
 240,231  
 51,883

0.149

7,724

Vaal River Surface - SA Met

Measured

—

—

—

—

—

—

Indicated

298,941

0.42

126,284

329,525

0.012

4,060

Inferred

12,368

0.63

7,802

13,634

0.018

251

Total

311,309

0.43

134,085

343,159

0.013

4,311

Savuka - Carbon Leader Reef

Measured

392

15.52

6,083

432

0.453

196

Indicated

1,584

13.01

20,614

1,746

0.380

663

Inferred

—

—

—

—



—  
—  
Total  
1,976  
13.51  
26,698  
2,178  
0.394  
858  
Savuka - Ventersdorp  
Measured  
468  
10.99  
5,142  
516  
0.321  
165  
Contact Reef  
Indicated  
483  
10.47  
5,059  
533  
0.305  
163  
Inferred  
—  
—  
—  
—  
—  
—  
Total  
951  
10.73  
10,201  
1,048  
0.313  
328

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

50

Mineral Resources by project (attributable)

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

TauTona – Carbon Leader Reef

Measured

1,397

33.04

46,152

1,540

0.964

1,484

Indicated

10,166

32.02

325,546

11,206

0.934

10,467

Inferred

1,583

8.42

13,330

1,745

0.246

429

Total

13,147

29.29

385,027

14,492

0.854

12,379

TauTona – Ventersdorp

Measured

495

12.21

6,041

545

0.356

194

Contact Reef

Indicated

3,028

12.57

38,078

3,338

0.367

1,224

Inferred

–

–

–

–

–

–

Total

3,523

12.52

44,118

3,883

0.365

1,418

West Wits Surface – WWGO

Measured

–

–

–

–

–

–

Indicated

271

0.52

142

299

0.015

5

Inferred

7,103

0.68

4,839

7,829

0.020

156  
Total  
7,374  
0.68  
4,981  
8,128  
0.020  
160  
Argentina  
Cerro Vanguardia – Heap Leach  
Measured  
9,265  
1.19  
11,004  
10,213  
0.035  
354  
Indicated  
8,786  
0.75  
6,629  
9,685  
0.022  
213  
Inferred  
3,616  
0.81  
2,927  
3,986  
0.024  
94  
Total  
21,667  
0.95  
20,560  
23,884  
0.028  
661  
Cerro Vanguardia – Vein  
Measured  
1,488  
9.56  
14,225  
1,640  
0.279  
457  
Mineral Resources  
Indicated  
6,528  
7.29  
47,594

7,196

0.213

1,530

Inferred

2,896

6.84

19,796

3,192

0.199

636

Total

10,911

7.48

81,614

12,027

0.218

2,624

Australia

Boddington – Main Pit

Measured

46,246

0.95

44,082

50,978

0.028

1,417

Indicated

149,249

0.77

115,384

164,519

0.023

3,710

Inferred

134,296

0.70

94,611

148,036

0.021

3,042

Total

329,791

0.77

254,077

363,532

0.022

8,169

Sunrise Dam – Golden Delicious

Measured

–

–

-  
-  
-  
-

Indicated

1,038  
1.84  
1,910  
1,144  
0.054  
61

Inferred

2,643  
1.64  
4,335  
2,913  
0.048  
139

Total

3,681  
1.70  
6,244  
4,058  
0.049  
201

Sunrise Dam – North Wall Cutback Measured

2,433  
3.11  
7,567  
2,682  
0.091  
243

Indicated

1,305  
2.59  
3,383  
1,438  
0.076  
109

Inferred

2  
0.90  
2  
2  
0.026  
0

Total

3,740  
2.93  
10,952  
4,123

0.085  
352  
Sunrise Dam – Open Pit  
Measured  
13,692  
1.47  
20,074  
15,093  
0.043  
645  
Indicated  
11,461  
3.21  
36,846  
12,634  
0.094  
1,185  
Inferred  
136  
4.94  
674  
150  
0.144  
22  
Total  
25,289  
2.28  
57,594  
27,877  
0.066  
1,852  
Sunrise Dam – Underground  
Measured  
34  
5.91  
202  
38  
0.172  
7  
Indicated  
1,420  
9.86  
14,002  
1,566  
0.288  
450  
Inferred  
5,961  
7.56  
45,039  
6,571

0.220  
1,448  
Total  
7,416  
7.99  
59,243  
8,175  
0.233  
1,905



MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

51

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Brazil

AGA Mineração – Corrego do Sitio

Measured

1,772

7.85

13,909

1,954

0.229

447

Indicated

1,486

7.00

10,405

1,638

0.204

335

Inferred

7,707

6.94

53,457

8,495

0.202

1,719

Total

10,965

7.09

77,770

12,087

0.207

2,500

AGA Mineração – Cuiaba

Measured

2,642

7.13

18,851

2,913

0.208

606

Indicated

9,174

8.65

79,321

10,113

0.252

2,550

Inferred

12,923

7.77

100,472

14,245

0.227

3,230

Total

24,739

8.03

198,644

27,270

0.234

6,387

AGA Mineração – Engenho d'Agua Measured

–

–

–

–

–

–

Indicated

468

4.13

1,936

516

0.121

62

Inferred

1,224

4.34

5,312

1,349

0.127

171

Total

1,692

4.28

7,248

1,865

0.125

233

AGA Mineração – Lamego

Measured

1,487

5.84

8,684

1,639

0.170

279

Indicated

2,043

6.72

13,730

2,252

0.196

441

Inferred

2,309

6.33

14,613

2,545

0.185

470

Total

5,839

6.34

37,027

6,436

0.185

1,190

AGA Mineração – MMV

Measured

1,434

5.32

7,621

1,580

0.155

245

Other Resources

Indicated

1,642

5.68

9,317

1,809

0.166

300

Inferred

2,738

6.21

16,990

3,018

0.181

546

Total

5,813

5.84

33,928

6,408

0.170

1,091

Serra Grande

Measured

854

5.82

4,969

941

0.170

160

Indicated

1,403

7.37

10,339

1,546

0.215

332

Inferred

1,612

6.11

9,847

1,777

0.178

317

Total

3,868

6.50

25,156

4,264

0.190

809

Ghana

Bibiani – Underground

Measured

1,451

4.09

5,933

1,599

0.119

191  
 Indicated  
 1,217  
 4.63  
 5,632  
 1,341  
 0.135  
 181  
 Inferred  
 3,434  
 3.09  
 10,626  
 3,785  
 0.090  
 342  
 Total  
 6,101  
 3.64  
 22,191  
 6,726  
 0.106  
 713  
 Bibiani – Tailings  
 Measured  
 3,975  
 1.03  
 4,095  
 4,382  
 0.030  
 132  
 Indicated  
 364  
 0.93  
 339  
 401  
 0.027  
 11  
 Inferred  
 –  
 –  
 –  
 –  
 –  
 –  
 Total  
 4,339  
 1.02  
 4,433  
 4,783  
 0.030  
 143

Iduapriem – Surface

Measured

35,286

1.67

59,024

38,896

0.049

1,898

Indicated

14,512

1.74

25,198

15,997

0.051

810

Inferred

6,799

1.45

9,873

7,494

0.042

317

Total

56,597

1.66

94,095

62,387

0.048

3,025

Obuasi – Surface

Measured

18,503

2.83

52,409

20,397

0.083

1,685

Indicated

–

–

–

–

–

–

Inferred

–

–

–

–

–

–

Total  
18,503  
2.83  
52,409  
20,397  
0.083  
1,685

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

52

Mineral Resources by project (attributable)

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Obuasi – Tailings

Measured

9,538

1.89

18,035

10,514

0.055

580

Indicated

3,427

1.86

6,379

3,777

0.054

205

Inferred

–

–

–

–

–

–

Total

12,964

1.88

24,415

14,291

0.055

785



Obuasi – Underground

Measured

32,460

6.07

197,104

35,781

0.177

6,337

Indicated

45,398

6.08

276,193

50,043

0.177

8,880

Inferred

31,685

7.05

223,515

34,927

0.206

7,186

Total

109,543

6.36

696,812

120,750

0.186

22,403

Guinea

Siguiri – Oxides

Measured

4,834

0.85

4,099

5,329

0.025

132

Indicated

58,671

1.03

60,307

64,674

0.030

1,939

Inferred

42,897

0.96

41,108

47,286

0.028

1,322  
Total  
106,403  
0.99  
105,514  
117,289  
0.029  
3,392  
Siguiiri – Stockpile  
Measured  
18,785  
0.57  
10,635  
20,707  
0.017  
342  
Indicated  
–  
–  
–  
–  
–  
–  
Inferred  
47,542  
0.34  
16,119  
52,406  
0.010  
518  
Total  
66,327  
0.40  
26,754  
73,113  
0.012  
860  
Mali  
Morila – Domba  
Measured  
–  
–  
–  
–  
–  
–  
Indicated  
–  
–  
–  
–

–  
 –  
 Inferred  
 350  
 2.57  
 900  
 386  
 0.075  
 29  
 Total  
 350  
 2.57  
 900  
 386  
 0.075  
 29  
 Morila – Main Pit  
 Measured  
 3,616  
 3.54  
 12,803  
 3,986  
 0.103  
 412  
 Indicated  
 5,605  
 3.00  
 16,793  
 6,178  
 0.087  
 540  
 Inferred  
 1,163  
 3.38  
 3,926  
 1,282  
 0.098  
 126  
 Total  
 10,384  
 3.23  
 33,522  
 11,446  
 0.094  
 1,078  
 Morila – Stockpiles  
 Measured  
 4,353  
 2.03  
 8,853  
 4,798

0.059  
285  
Indicated

—  
—  
—  
—  
—  
—  
—

Inferred

—  
—  
—  
—  
—  
—

Total

4,353  
2.03  
8,853  
4,798  
0.059  
285

Morila – TSF

Measured

54  
4.33  
234  
59  
0.126  
8

Indicated

—  
—  
—  
—  
—  
—

Inferred

—  
—  
—  
—  
—  
—

Total

54  
4.33  
234  
59  
0.126

8  
Sadiola – Deep Sulphides  
Measured  
553  
2.84  
1,572  
609  
0.083  
51  
Indicated  
11,342  
2.41  
27,278  
12,502  
0.070  
877  
Inferred  
31,007  
1.86  
57,582  
34,180  
0.054  
1,851  
Total  
42,902  
2.01  
86,432  
47,291  
0.059  
2,779  
Sadiola – FE2  
Measured  
–  
–  
–  
–  
–  
–  
–  
Indicated  
–  
–  
–  
–  
–  
–  
Inferred  
251  
1.60  
401  
276  
0.047

13  
Total  
251  
1.60  
401  
276  
0.047  
13  
Sadiola – FE3  
Measured  
45  
0.75  
33  
49  
0.022  
1  
Indicated  
600  
2.23  
1,337  
662  
0.065  
43  
Inferred  
271  
2.13  
576  
299  
0.062  
19  
Total  
916  
2.13  
1,947  
1,010  
0.062  
63

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

53

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Sadiola – FE3S

Measured

–

–

–

–

–

–

Indicated

884

2.62

2,313

975

0.076

74

Inferred

968

2.40

2,320

1,067

0.070

75

Total

1,852

2.50

4,633

2,041

0.073

149

Sadiola – FE4

Measured

61  
2.74  
167  
67  
0.080  
5

Indicated

1,136  
2.61  
2,959  
1,252  
0.076  
95

Inferred

36  
1.99  
71  
39  
0.058  
2

Total

1,232  
2.59  
3,197  
1,358  
0.076  
103

Sadiola – FN3

Measured

–  
–  
–  
–  
–  
–

Indicated

–  
–  
–  
–  
–  
–

Inferred

10  
2.19  
21  
11  
0.064  
1

Total



10  
2.19  
21  
11  
0.064  
1  
Sadiola – Main Pit  
Measured  
6,334  
1.37  
8,706  
6,982  
0.040  
280  
Indicated  
9,813  
2.36  
23,112  
10,817  
0.069  
743  
Inferred  
953  
1.47  
1,405  
1,051  
0.043  
45  
Total  
17,101  
1.94  
33,224  
18,850  
0.057  
1,068  
Sadiola – Sekokoto  
Measured  
–  
–  
–  
–  
–  
–  
Indicated  
–  
–  
–  
–  
–  
Inferred

155  
1.76  
271  
170  
0.051  
9  
Total  
155  
1.76  
271  
170  
0.051  
9  
Sadiola – Tambali South  
Measured  
–  
–  
–  
–  
–  
–  
Indicated  
–  
–  
–  
–  
–  
Inferred  
123  
1.52  
187  
135  
0.044  
6  
Total  
123  
1.52  
187  
135  
0.044  
6  
Yatela – Alamatoula Pit  
Measured  
325  
1.14  
370  
358  
0.033  
12  
Indicated

286  
2.18  
623  
315  
0.064  
20  
Inferred  
40  
2.17  
86  
44  
0.063  
3  
Total  
650  
1.66  
1,079  
717  
0.048  
35  
Yatela – KW18  
Measured  
–  
–  
–  
–  
–  
Indicated  
154  
2.42  
372  
169  
0.071  
12  
Inferred  
4  
1.97  
9  
5  
0.057  
0  
Total  
158  
2.41  
381  
174  
0.070  
12  
Yatela – Main Pit  
Measured

2,005

1.17

2,338

2,210

0.034

75

Indicated

2,668

3.33

8,884

2,941

0.097

286

Inferred

650

2.79

1,816

717

0.081

58

Total

5,323

2.45

13,038

5,867

0.071

419

Namibia

Navachab – Anomaly 16

Measured

–

–

–

–

–

–

Indicated

–

–

–

–

–

–

Inferred

703

1.25

876

775

0.036

28

Total

703  
1.25  
876  
775  
0.036  
28  
Navachab – Grid A  
Measured  
282  
3.26  
920  
311  
0.095  
30  
Indicated  
293  
2.65  
777  
323  
0.077  
25  
Inferred  
94  
1.85  
175  
104  
0.054  
6  
Total  
670  
2.79  
1,872  
739  
0.081  
60

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

54

Mineral Resources by project (attributable)

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Navachab – Main Pit

Measured

898

1.35

1,214

990

0.039

39

Indicated

27,617

1.40

38,751

30,442

0.041

1,246

Inferred

5,158

1.18

6,086

5,685

0.034

196

Total

33,673

1.37

46,052

37,118

0.040

1,481

Navachab – Stockpile

Measured

9,120

0.77

6,978

10,053

0.022

224

Indicated

–

–

–

–

–

–

Inferred

–

–

–

–

–

Total

9,120

0.77

6,978

10,053

0.022

224

Tanzania

Geita – Area 3 West

Measured

–

–

–

–

–

–

Indicated

409

2.65

1,085

451

0.077

35

Inferred

–

–

–

–

–

—  
Total  
409  
2.65  
1,085  
451  
0.077  
35  
Geita – Chipaka  
Measured  
—  
—  
—  
—  
—  
—  
Indicated  
3,603  
2.15  
7,759  
3,972  
0.063  
249  
Inferred  
—  
—  
—  
—  
—  
—  
Total  
3,603  
2.15  
7,759  
3,972  
0.063  
249  
Geita – Geita Hill Surface  
Measured  
15,721  
2.66  
41,806  
17,329  
0.078  
1,344  
Indicated  
8,088  
3.56  
28,781  
8,916  
0.104



925  
Inferred  
32  
5.61  
178  
35  
0.164  
6  
Total  
23,841  
2.97  
70,765  
26,280  
0.087  
2,275  
Geita – Geita Hill Underground  
Measured  
76  
4.62  
352  
84  
0.135  
11  
Indicated  
5,457  
4.87  
26,585  
6,015  
0.142  
855  
Inferred  
4,503  
5.09  
22,922  
4,964  
0.148  
737  
Total  
10,036  
4.97  
49,859  
11,063  
0.145  
1,603  
Geita – Kukuluma  
Measured  
938  
4.00  
3,753  
1,034  
0.117

121  
Indicated  
216  
4.29  
928  
238  
0.125  
30  
Inferred  
-  
-  
-  
-  
-  
-  
Total  
1,154  
4.06  
4,681  
1,272  
0.118  
151  
Geita - Lone Cone  
Measured  
654  
3.76  
2,462  
721  
0.110  
79  
Indicated  
550  
3.09  
1,700  
607  
0.090  
55  
Inferred  
22  
1.18  
26  
25  
0.035  
1  
Total  
1,227  
3.41  
4,189  
1,352  
0.100  
135

Geita – Matandani

Measured

3,976

5.46

21,722

4,383

0.159

698

Indicated

0

68.75

6

0

2.005

0

Inferred

–

–

–

–

–

–

Total

3,976

5.46

21,728

4,383

0.159

698

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

55

Metric

Imperial

Contained

Contained

gold gold

Tonnes

Grade

grams

Tons

Grade

ounces

Category

(000s)

g/t

(000s)

(000s)

oz/t

(000s)

Geita – Nyankanga Surface

Measured

3,670

4.21

15,467

4,046

0.123

497

Indicated

28,968

5.21

150,907

31,932

0.152

4,852

Inferred

275

3.64

1,003

304

0.106

32

Total

32,914

5.09

167,377

36,281

0.148

5,381

Geita – Nyankanga Underground

Measured

—  
—  
—  
—  
—  
—

Indicated

3,019  
8.07  
24,362  
3,328  
0.235  
783

Inferred

480  
8.71  
4,186  
530  
0.254  
135

Total

3,500  
8.16  
28,547  
3,858  
0.238  
918

Geita – Ridge 8 Surface

Measured

—  
—  
—  
—  
—  
—

Indicated

2,686  
2.70  
7,242  
2,961  
0.079  
233

Inferred

39  
1.91  
74  
43  
0.056  
2

Total

2,725

2.68

7,317

3,004

0.078

235

Geita – Ridge 8 Underground

Measured

–

–

–

–

–

–

Indicated

1,261

5.53

6,976

1,390

0.161

224

Inferred

2,025

5.13

10,388

2,233

0.150

334

Total

3,286

5.28

17,364

3,623

0.154

558

Geita – Roberts

Measured

–

–

–

–

–

–

Indicated

5,317

2.34

12,443

5,861

0.068

400

Inferred

—  
—  
—  
—  
—  
—  
Total  
5,317  
2.34  
12,443  
5,861  
0.068  
400  
Geita – Star and Comet  
Measured  
—  
—  
—  
—  
—  
—  
Indicated  
3,382  
5.41  
18,299  
3,728  
0.158  
588  
Inferred  
104  
3.11  
324  
115  
0.091  
10  
Total  
3,486  
5.34  
18,623  
3,843  
0.156  
599  
Geita – Stockpile  
Measured  
750  
2.88  
2,159  
826  
0.084  
69  
Indicated

-  
 -  
 -  
 -  
 -  
 -  
 Inferred  
 -  
 -  
 -  
 -  
 -  
 -  
 Total  
 750  
 2.88  
 2,159  
 826  
 0.084  
 69  
 USA  
 Cripple Creek and Victor  
 Measured  
 146,045  
 0.95  
 138,176  
 160,987  
 0.028  
 4,442  
 Indicated  
 72,931  
 0.91  
 66,098  
 80,392  
 0.026  
 2,125  
 Inferred  
 8,237  
 0.73  
 6,010  
 9,080  
 0.021  
 193  
 Total  
 227,213  
 0.93  
 210,284  
 250,460  
 0.027  
 6,761  
 Total AngloGold Ashanti



Measured  
437,088  
2.75  
1,202,036  
481,807  
0.080  
38,646  
Indicated  
951,137  
3.44  
3,275,080  
1,048,449  
0.100  
105,296  
Inferred  
397,779  
2.49  
989,463  
438,476  
0.073  
31,812  
Total  
1,786,004  
3.06  
5,466,578  
1,968,733  
0.089  
175,755

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

56

Development sampling results

Development values represent actual results of sampling – no allowances have been made for adjustments necessary in estimating Ore Reserves

Metric

Advanced

metres

Sampled Ave.

channel

gold

uranium

(total)

metres

width (cm)

Ave. g/t

Ave. cm.g/t

Ave. kg/t

Ave. cm.kg/t

South Africa

Great Noligwa

Vaal Reef

13,769

1,915

113.6

27.00

3,067

0.89

100.66

Kopanang

Vaal Reef

25,872

3,368

11.3

151.15

1,708

5.67

64.07

Tau Lekoa

Ventersdorp Contact Reef

12,314

3,702

100.7

10.50

1,057

0.01

1.16

Moab Khotsong

Vaal Reef

17,378

538  
110.3  
22.26  
2,455  
1.46  
161.00  
TauTona  
Ventersdorp Contact Reef  
1,193  
-  
-  
-  
-  
-  
Carbon Leader Reef  
16,143  
68  
14.5  
103.24  
1,497  
-  
-  
Savuka  
Ventersdorp Contact Reef  
1,643  
-  
-  
-  
-  
-  
Carbon Leader Reef  
1,076  
76  
58.1  
13.87  
806  
0.00  
0.04  
Mponeng  
Ventersdorp Contact Reef  
16,353  
2,914  
76.4  
29.19  
2,230  
-  
-  
Australia  
Sunrise Dam

2,025

2,025

—

3.94

—

—

—

Brazil

AGA Mineração

Mina de Cuiabá

4,467

3,133

—

6.70

—

—

—

Córrego do Sítio

358

200

—

7.63

—

—

—

Lamego

1,419

10

—

7.50

—

—

—

Serra Grande

Mina III

3,588

720

—

6.04

—

—

—

Mina Nova

232

—

—

—

—

—

—

Ghana

Obuasi

25,980

5,824

520.0\*

10.54

—

—

—

\* Average orebody width

MINERAL RESOURCES AND ORE RESERVES

(as at 31 December 2005)

57

Imperial

Advanced

metres

Sampled Ave.

channel

gold

uranium

(total)

feet width (inches)

Ave. oz/t

Ave. ft.oz/t

Ave. lb/t

Ave. ft.lb/t

South Africa

Great Noligwa

Vaal Reef

45,173

6,283

44.72

0.79

2.94

1.78

6.63

Kopanang

Vaal Reef

84,881

11,050

4.45

4.41

1.64

11.34

4.21

Tau Lekoa

Ventersdorp Contact Reef

40,400

12,146

39.65

0.31

1.02

0.02

0.07

Moab Khotsong

Vaal Reef

57,015

1,765

43.43

0.65

2.35

2.92  
10.57  
TauTona  
Ventersdorp Contact Reef  
3,913  
—  
—  
—  
—  
—  
—  
Carbon Leader Reef  
52,963  
223  
5.71  
3.01  
1.43  
—  
—  
Savuka  
Ventersdorp Contact Reef  
5,391  
—  
—  
—  
—  
—  
Carbon Leader Reef  
3,530  
249  
22.87  
0.40  
0.76  
—  
—  
Mponeng  
Ventersdorp Contact Reef  
53,650  
9,560  
30.08  
0.85  
2.13  
—  
—  
Australia  
Sunrise Dam  
6,644  
6,644  
—  
0.11

—  
—  
—  
Brazil  
AGA Mineração  
Mina de Cuiabá  
14,656  
10,277  
—  
0.20  
—  
—  
—  
Córrego do Sitio  
1,174  
656  
—  
0.22  
—  
—  
—  
Lamego  
4,655  
33  
—  
0.22  
—  
—  
—  
Serra Grande  
Mina III  
11,772  
2,363  
—  
0.18  
—  
—  
—  
Mina Nova  
761  
—  
—  
—  
—  
—  
Ghana  
Obuasi  
85,236  
19,108  
204.72\*



0.31

5.24

—

—

\* Average orebody width

Competent Persons or “recognised mining professionals”, designated in terms of the JORC Code and responsible for the generation of the Mineral Resources and Ore Reserves on the various mines and ventures, are listed below:

South Africa  
Great Noligwa

**Mineral Resources**

•

R J Peattie – BSc Hons (Geology),  
GDE (Mineral Economics),  
Pr.Sci.Nat. (400097/01),  
12 years experience.

**Ore Reserves**

•

H A Kruger – NHD (Mine Surveying),  
MSCC, GDE (Mineral Economics),  
PLATO (PMS0114),  
28 years experience.

Kopanang

**Mineral Resources**

•

S Kelly – NHD (Mine Surveying), MSCC,  
GDE (Mineral Economics),  
PLATO (PMS0095),  
22 years experience.

**Ore Reserves**

•

J vZ Visser – BSc (Mineral Resource  
Management), PLATO (PMS0119),  
19 years experience.

Moab Khotsong

**Mineral Resources**

•

A C Barnard – NHD (Mineral Resource  
Management), Plato (MST0077),  
11 years experience.

**Ore Reserves**

•

J Wall – NHD (Mine Surveying),  
MSCC, Plato (PMS0164),  
27 years experience.

Tau Lekoa

**Mineral Resources**

•

R J Peattie – BSc Hons (Geology),  
GDE (Mineral Economics),  
Pr.Sci.Nat. (400097/01),  
12 years experience.

**Ore Reserves**

•

J v Z Visser – BSc (Mineral Resource Management), PLATO (PMS0119),  
19 years experience.

Vaal River Surface

**Mineral Resources**

•

V. Govindsammy – BSc (Statistics),  
NHD (Economic Geology), GDE (Mineral Economics), Pr.Sci.Nat.(40086/04),  
13 years experience.

**Ore Reserves**

•

J v Z Visser - BSc (Mineral Resource Management), PLATO (PMS0119),  
19 years experience.

Mponeng

**Mineral Resources**

•

R K Lavery - BSc Eng (Mining Geology),  
MSc Eng (Mining), Pr.Sci.Nat. (144/89),  
24 years experience.

**Ore Reserves**

•

R Brokken - NHD (Mine Surveying), MSCC,  
MSc Eng (Mining), PLATO (PMS0171),  
24 years experience.

Savuka

**Mineral Resources**

•

R K Lavery – BSc Eng (Mining Geology),  
MSc Eng (Mining), Pr.Sci.Nat. (144/89),  
24 years experience.

**Ore Reserves**

•

R Brokken – NHD (Mine Surveying), MSCC,  
MSc Eng (Mining), PLATO (PMS0171),  
24 years experience.

TauTona

**Mineral Resources**

•

R Orton – NHD (Mineral Resource Management), MSCC, PLATO (MS0096),  
21 years experience.

**Ore Reserves**

•

M W Armstrong – ND (Cartography),  
MSCC, MSc Eng (Mining) PLATO (MS0054),  
21 years experience.

Competent Persons

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West Wits Surface

**Mineral Resources**

•

V. Govindsammy – BSc (Statistics),  
NHD (Economic Geology),  
GDE (Mineral Economics),  
Pr.Sci.Nat.(40086/04),  
13 years experience.

**Ore Reserves**

•

J vZ Visser – BSc (Mineral Resource  
Management),  
PLATO (PMS0119),  
19 years experience.

Argentina

Cerro Vanguardia

**Mineral Resources**

•

V Scavuzzo – BSc (Geology),  
Consejo Superior de Geología  
(Argentina MP2355), MAusIMM (224834),  
8 years experience.

**Ore Reserves**

•

M Roldán – Senior Mine Planning Engineer,  
SJNU – 6480 2260-Res1146-96,  
9 years experience.

Australia

Boddington

**Mineral Resources**

•

K Gleeson – BSc (Hons) (Geology),  
MAusIMM (202246),  
16 years experience.

**Ore Reserves**

•

S Williams – BMin Tech Hons,  
MAusIMM (204071),  
18 years experience.

Sunrise Dam

**Mineral Resources**

•

M Erickson – BSc Hons  
(Geology),  
MAusIMM (109151),  
20 years experience.

**Ore Reserves (surface)**

•

F Bethune – MSc Eng (Mining),  
MAusIMM (211100),  
19 years experience.

**Ore Reserves (underground)**

- S Tombs – BEng (Mining),  
MAusIMM (105785),  
26 years experience.  
Brazil  
AGA Mineração – Cuiabá

**Mineral Resources**

- P de Tarso Ferreira – BSc (Geology),  
CREA (34645/D), MAusIMM (224828),  
20 years experience.

**Ore Reserves**

- S R Botelho – Mining Manager,  
CREA (41149/D), MAusIMM (224833),  
20 years experience.  
AGA Mineração – Corrego do Sitio

**Mineral Resources**

- J W Soares – BSc (Geology),  
CREA (2741/D RN), MAusIMM (224836)  
17 years experience.

**Ore Reserves**

- P M Sobrinho – Mine Manager,  
CREA (20394/D),  
25 years experience.  
AGA Mineração – Engenho D'Agua

**Mineral Resources**

- A H M Silva – BSc (Geology),  
CREA (5061028321),  
7 years experience.

**Ore Reserves**

- P M Sobrinho – Mining Engineer,  
CREA (20394/D),  
25 years experience.  
Serra Grande

**Mineral Resources**

- E M de Araújo – BSc (Geology),  
CREA (3688/D), MAusIMM (224825),  
19 years experience.

**Ore Reserves**

- E M de Araújo – BSc (Geology),  
CREA (3688/D), MAusIMM (224825),  
19 years experience.  
Ghana

Bibiani

**Mineral Resources**

•

E O Acheampong – MSc (Mineral Resources), MAusIMM (220644), 16 years experience.

**Ore Reserves**

•

S K Ndede – MSc. (Mining Engineering), MAusIMM (201772), MIMMM, 17 years experience.

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Iduapriem

**Mineral Resources**

•

K Osei – BSc (Geological Engineering),  
MAusIMM (112723),  
11 years experience.

**Ore Reserves**

•

E B Boakye – PhD (Applied Science),  
MAusIMM (110008),  
22 years experience.

Obuasi

**Mineral Resources**

•

J A Amanor – MSc (Mining Geology),  
MAusIMM (204572),  
34 years experience.

**Ore Reserves**

•

M P Kelly – BSc Hons (Mining Engineering),  
MAusIMM (210741), MIMM,  
24 years experience.

Guinea

Siguiri

**Mineral Resources**

•

G Cooper – BSc Hons (Geology),  
MAusIMM (211786),  
22 years experience.

**Ore Reserves**

•

A Netherwood – BMin Tech,  
MAusIMM (100463),  
16 years experience.

Mali

Morila

**Mineral Resources**

•

P Weedon – BSc Hons (Geology),  
MAusIMM (204701),  
13 years experience.

**Ore Reserves**

•

R Sanhueza – BSc (Mining Engineering),  
MAusIMM (211794),  
13 years experience.

Sadiola

**Mineral Resources**

•

S Robins – BSc Hons (Geology),  
GDE (Mineral Resource Evaluation),

MAusIMM (222533),  
10 years experience.

**Ore Reserves**

•

R vd Westhuizen – MSc (Mining),  
MAusIMM (88732), 9 years experience.  
Yatela

**Mineral Resources**

•

S Robins – BSc Hons (Geology),  
GDE (Mineral Resource Evaluation),  
MAusIMM (222533),  
10 years experience.

**Ore Reserves**

•

R vd Westhuizen – MSc (Mining),  
MAusIMM (88732),  
9 years experience.

Namibia  
Navachab

**Mineral Resources**

•

F P Badenhorst – MSc (Geology),  
Pr.Sci.Nat. (400031/02),  
MAusIMM (211026),  
15 years experience.

**Ore Reserves**

•

R Schommarz – BSc Hons (Geology),  
MAusIMM (222570),  
15 years experience.  
Tanzania

Geita

**Mineral Resources**

•

R Adofo – MSc (Mineral Exploration),  
MAusIMM (208422),  
11 years experience.

**Ore Reserves**

•

M Saarelainen – BEng (Mining),  
MAusIMM (110008),  
6 years experience.

USA  
Cripple Creek and Victor

**Mineral Resources**

•

D Vardiman – BSc (Geological Engineering),  
MAusIMM (224875),  
30 years experience.

**Ore Reserves**



- L Billingsley – BA (Geology),  
MAusIMM (224930),  
17 years experience.  
Competent Persons  
60

[www.anglogoldashanti.com](http://www.anglogoldashanti.com)





SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

AngloGold Ashanti Limited

Date:

MARCH 15, 2006

By: /s/ C R BULL

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Name: C R Bull

Title: Company Secretary