



Market Release

Newcrest Mining Limited

16 August 2010

2010 Resources and Reserves Statement

Newcrest Mining Limited has updated its Mineral Resource and Ore Reserve estimates for the year ending 30 June 2010. The Group's Mineral Resources and Ore Reserves have increased net of mining depletion.

At Namosi (Fiji), in-fill drilling expanded the Waisoi resource and a maiden resource was declared for the nearby Wainaulo deposit. At Golpu (PNG), drilling extended the resource at depth and along strike, adding significantly to gold and copper resources. A maiden resource was also declared at Toguraci (Gosowong, Indonesia).

Gold and copper reserves at Cadia East increased, reflecting a larger footprint at higher metal prices. Maiden Ore Reserves were declared for both Marsden (New South Wales) and Waisoi (Fiji) as well as for the O'Callaghans polymetallic skarn deposit south of Telfer.

Total Mineral Resources, after mining depletion, are estimated at 83.6 million ounces of gold and 17.25 million tonnes of copper. Silver Mineral Resources are estimated at 94.9 million ounces. These represent a year-on-year increase of 3.6 million ounces of gold (5%) and an increase of 2.88 million tonnes of copper (20%). The result was driven by additions including at Toguraci (0.69Moz of gold), Waisoi (0.73Moz of gold and 0.78Mt of copper), Wainaulo (0.24Moz of gold and 0.47Mt of copper) and at Golpu (2.9Moz of gold and 1.50Mt of copper)¹.

Total Ore Reserves, after mining depletion, are estimated at 47.3 million ounces of gold and 7.88 million tonnes of copper. These represent a year-on-year increase of 4.5 million ounces of gold (11%) and 3.21 million tonnes of copper (69%). Silver Ore Reserves are estimated at 55.7 million ounces. The result was driven by additions including at Cadia East (2.0Moz of gold and 251kt of copper), Toguraci (0.50Moz of gold), Marsden (0.88Moz of gold and 0.46Mt of copper), Hidden Valley Kaveroi and Hamata (0.43Moz of gold and 9.5Moz of silver)¹ and at Waisoi (2.5Moz of gold and 2.42Mt of copper).

Metal price assumptions used for all Newcrest Mineral Resources are US\$800/oz for gold, US\$2.20/lb for copper and US\$13/oz for silver. Price assumptions for Ore Reserves are US\$750/oz for gold, US\$2.00/lb for copper and US\$11.50/oz for silver. In the case of Kencana (Gosowong), a gold price of US\$1000/oz has been used to estimate Ore Reserves, acknowledging the shorter life of the Kencana deposit. Where appropriate, resources are also constrained spatially by a notional pit shell based on US\$1000/oz for gold and US\$4.00/lb for copper or, for underground mining, by a shape based on the marginal cut-off grade used as a conservative measure to non-contiguous mineralisation. Cost assumptions are based on the latest approved study for each deposit and are generally in Australian Dollars except at Gosowong, Namosi and Morobe Mining Joint Venture.

Mineral Resources for the Morobe Mining Joint Venture (MMJV) are based on Competent Persons statements provided by Harmony Gold Mining Company and are quoted at 50% interest. Details are available on harmony.co.za.

The accompanying statement of Mineral Resources and Ore Reserves conforms to the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code) 2004 Edition. Ore Reserves quoted are a subset of Mineral Resources. Independent external and internal reviews are conducted on all estimates.

Explanatory notes containing more detailed information on the methods and parameters used to estimate Mineral Resources and Ore Reserves are presented on the **Newcrest website** at www.newcrest.com.au

¹ Newcrest's 50% share

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Table 1 – 2010 Mineral Resources

2010 Mineral Resources	Measured Resource			Indicated Resource			Inferred Resource			Total Resource			Contained Metal		Competent Person
	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Gold (million ounces)	Copper (million tonnes)	
Gold and Copper Resources (# - includes stockpiles)															
Cadia Hill Open Pit #	200	0.50	0.13	34	0.41	0.14	174	0.33	0.10	408	0.42	0.12	5.5	0.49	1
Cadia Extended				82	0.35	0.20	0.3	0.23	0.17	83	0.35	0.20	0.9	0.16	1
Ridgeway Underground #	11	1.2	0.49	114	0.75	0.35	29	0.48	0.45	155	0.73	0.38	3.6	0.58	1
Big Cadia				40	0.39	0.40	2.3	0.23	0.37	42	0.38	0.40	0.5	0.17	1
Cadia East Underground				2,246	0.44	0.29	102	0.35	0.18	2,347	0.44	0.28	33.2	6.59	1
Total Cadia Province - Gold and Copper													43.7	7.99	
Main Dome Open Pit #	19	0.50	0.10	308	0.92	0.10	42	0.77	0.10	369	0.88	0.10	10.4	0.37	2
West Dome Open Pit				193	0.66	0.06	54	0.62	0.05	247	0.65	0.06	5.2	0.14	2
Telfer Underground				55	1.4	0.30	6.9	1.1	0.24	62	1.4	0.29	2.7	0.18	2
VSC							22	1.2	0.50	22	1.2	0.50	0.9	0.11	2
O'Callaghans				69		0.29	9.0		0.24	78		0.29	N/A	0.22	2
Telfer Satellite Deposits				0.57	4.2	0.03	1.7	2.6	0.08	2.3	3.0	0.07	0.2	0.00	2
Total Telfer Province - Gold and Copper													19.4	1.03	
Gosowong # *				4.3	20		0.27	11.2		4.6	19		2.8		3
Cracow # **	0.37	8.6		0.50	7.8		2.5	6.0		3.4	6.6		0.7		4
MMJV - Hidden Valley / Kaveroi # ***	4.2	2.1		33	1.7		11	1.3		48	1.6		2.6		5
MMJV - Hamata # ***	0.10	1.7		2.9	2.3		0.40	2.8		3.4	2.4		0.3		5
MMJV - Nambonga ***							20	0.79	0.22	20	0.79	0.22	0.5	0.04	6
MMJV - Wafi ***				32	2.0		20	1.7		52	1.9		3.1		6
MMJV - Golpu ***				45	0.64	1.4	205	0.52	0.86	250	0.54	1.0	4.4	2.38	6
Namosi JV - Wainaulo ****							66	0.12	0.72	66	0.12	0.72	0.2	0.47	7
Namosi JV - Waisoi ****				900	0.12	0.39	352	0.10	0.32	1,253	0.12	0.37	4.7	4.61	7
Marsden				179	0.19	0.36	45	0.07	0.16	224	0.17	0.32	1.2	0.72	1
Total Other Provinces - Gold and Copper													20.4	8.23	
Total Gold & Copper													83.6	17.25	

2010 Mineral Resources	Measured Resource		Indicated Resource		Inferred Resource		Total Resource		Contained Metal	
	Dry Tonnes (million)	Silver Grade (g/t Ag)	Dry Tonnes (million)	Silver Grade (g/t Ag)	Dry Tonnes (million)	Silver Grade (g/t Ag)	Dry Tonnes (million)	Silver Grade (g/t Ag)	Silver (million ounces)	Competent Person
Silver Resources (# - includes stockpiles)										
Gosowong # *			4.3	24	0.27	41	4.6	25	3.6	3
Cracow # **	0.37	6.1	0.50	5.1	2.5	3.7	3.4	4.2	0.5	4
Ridgeway Underground #	11	1.0	114	0.88	29	0.47	155	0.81	4.0	1
Cadia East Underground			2,246	0.48	102	0.24	2,347	0.47	35.6	1
MMJV - Hidden Valley / Kaveroi # ***	4.2	35	33	33	11	31	48	33	51.2	5
Total Silver									94.9	

2010 Polymetallic Mineral Resources	Grade					Contained Metal				
	Dry Tonnes (millions)	Tungsten Trioxide (% WO3)	Copper (% Cu)	Zinc Zn (%)	Lead Pb (%)	Tungsten Trioxide (million tonnes)	Copper * (million tonnes)	Zinc (million tonnes)	Lead (million tonnes)	Competent Person
O'Callaghans										
Indicated	69	0.34	0.29	0.55	0.27	0.24	0.20	0.38	0.18	
Inferred	9	0.25	0.24	0.15	0.07	0.02	0.02	0.00	0.01	
Total	78	0.33	0.29	0.50	0.25	0.26	0.22	0.39	0.19	2

Note: Rounding may cause some computational discrepancies in totals

* The figures shown represent 100% of the Mineral Resource. Gosowong is owned and operated by Pt Nusa Halmahera Minerals, an incorporated joint venture between Newcrest (82.5%) and Pt Aneka Tambang (17.5%)

** The figures shown represent 70% of the Mineral Resource. Cracow is an unincorporated joint venture between Newcrest (70%) and Catalpa Resources Limited (30%)

*** The figures shown represent 50% of the Mineral Resource. Newcrest and Harmony Gold Mining Company have a 50-50 ownership of the Morobe Mining JV

**** The figures shown represent 69.94% of the Mineral Resource. Newcrest has a 69.94% share of the Namosi JV.

1. Geoff Smart 2. Paul Dunham 3. Colin McMillan 4. Craig Irvine 5. James Francis (MMJV) 6. Michael Smith (Harmony) 7. Vik Singh

Table 2 – 2010 Ore Reserves

2010 Ore Reserves	Proved Reserve			Probable Reserve			Total Reserve			Contained Metal		Competent Person
	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Dry Tonnes (million)	Gold Grade (g/t Au)	Copper Grade (% Cu)	(million ounces)	(million tonnes)	
Gold and Copper Reserves (# = includes stockpiles)												
Cadia Hill Open Pit #	113	0.60	0.14	3.4	0.37	0.13	116	0.60	0.14	2.2	0.16	1
Ridgeway Underground #	4.1	1.3	0.51	97	0.79	0.37	101	0.81	0.38	2.6	0.38	2
Cadia East Underground				1,073	0.60	0.32	1,073	0.60	0.32	20.7	3.41	3
Total Cadia Province - Gold and Copper										25.6	3.96	
Main Dome Open Pit #	68	0.80	0.10	214	0.94	0.10	282	0.91	0.10	8.2	0.29	4
West Dome Open Pit				152	0.65	0.06	152	0.65	0.06	3.1	0.10	4
Telfer Underground	0.13	11	1.4	37	1.5	0.33	37	1.5	0.33	1.9	0.12	4
O'Callaghans				51		0.28	51		0.28	N/A	0.14	5
Total Telfer Province - Gold and Copper										13.2	0.65	
Gosowong # *				4.9	15		4.9	15		2.3		6,8,11,12
Cracow # **	0.33	7.6		0.31	8.0		0.65	7.7		0.2		7
Marsden				93	0.29	0.49	93	0.29	0.49	0.9	0.46	8
MMJV - Hidden Valley / Kaveroi # ***	3.8	2.1		24	1.8		28	1.8		1.6		9
MMJV - Hamata # ***				2.9	2.1		2.9	2.1		0.2		9
MMJV - Golpu ***				35	0.61	1.1	35	0.61	1.1	0.7	0.40	10
Namosi JV - Waisoi ****				570	0.14	0.43	570	0.14	0.43	2.5	2.42	8
Total Other Provinces - Gold and Copper										8.4	3.28	
Total Gold & Copper										47.3	7.88	

2010 Ore Reserves	Proved Reserve		Probable Reserve		Total Reserve		Contained Metal		
	Dry Tonnes (million)	Silver Grade (g/t Ag)	Dry Tonnes (million)	Silver Grade (g/t Ag)	Dry Tonnes (million)	Silver Grade (g/t Ag)	(million ounces)	Competent Person	
Silver Reserves (# = includes stockpiles)									
Gosowong # *			4.9	17	4.9	17	2.7	6,8,11,12	
Cracow # **	0.33	5.3	0.31	5.6	0.65	5.4	0.1	7	
Ridgeway Underground #	4.1	1.5	97	0.87	101	0.90	2.9	2	
Cadia East Underground			1,073	0.52	1,073	0.52	17.9	3	
MMJV - Hidden Valley / Kaveroi # ***	3.8	36	24	36	28	36	32.0	9	
Total Silver							55.7		

2010 Polymetallic Ore Reserves	Probable Reserve					Contained Metal				
	Dry Tonnes (millions)	Tungsten Trioxide Grade (% WO ₃)	Copper Grade (% Cu)	Zinc Grade (% Zn)	Lead Grade (% Pb)	Tungsten Trioxide (million tonnes)	Copper * (million tonnes)	Zinc (million tonnes)	Lead (million tonnes)	Competent Person
O'Callaghans	51	0.34	0.28	0.61	0.30	0.17	0.14	0.31	0.15	5

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1. Ellie Burdett 2. Geoff Dunstan 3. Lino Manca 4. Brett Cuthbert 5. Andrew Logan 6. Robbie Whitworth 7. Justin Woodward 8. Steve Batman 9. Anton Kruger
10. Greg Job (Harmony) 11. Paul Tooth 12. Daryl Corp

Information in this report that relates to Mineral Resources and Ore Reserves is based on and accurately reflects reports prepared by the Competent Person named beside the information. All these persons, except Greg Job, James Francis and Michael Smith are full time employees of Newcrest Mining Limited or the relevant subsidiary. Greg Job and Michael Smith are full time employees of Harmony Gold Mining Company Limited. James Francis is employed by the Morobe Mining JV. Each Competent Person consents to the inclusion of material in the form and context in which it appears. All the Competent Persons named are Members of The Australasian Institute of Mining and Metallurgy and / or The Australian Institute of Geoscientists and possess relevant experience in relation to the mineralisation being reported on by them to qualify as Competent Persons as defined in the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004 Edition).