



Market Release

Newcrest Mining Limited

20 August 2009

Supplementary Exploration Report

SUMMARY

This supplementary report provides supporting details for exploration results referred to in the Full Year Financial Results June 2009 presentation released on 17 August 2009. Drill-hole data is tabulated in Appendix 1.

The highlights were:

- More discovery success with a new high grade structure identified north of Toguraci at Gosowong (Indonesia).
- Another significant high grade copper result at the Waivaka Prospect, Namosi (Fiji).
- Strong tungsten and associated base metal results from O'Callaghans, Telfer (WA).

GOSOWONG PROJECT (82.5%)

Drilling continued, targeting new zones of mineralisation within two main mineralised corridors, the Toguraci Corridor and the Kencana-Gosowong Corridor. A total of 6 holes were completed and 5 are in progress for 4,603m. Recent drilling has confirmed the presence of new mineralisation within the Toguraci Corridor, north of the exhausted Toguraci pit along the Damar and Lengket Structures. A new gold-rich vein, named the Yahut Structure, 150m west of Damar, returned an encouraging result:

8.2 metres down-hole @ 24g/t Au from 289m (TND013).

O'CALLAGHANS, TELFER (100%)

Drilling continued at the O'Callaghans polymetallic skarn. The 200m spaced drilling is designed to further define the limits of the thicker portion of the sulphide skarn and identify potential extensions to the mineralisation in open positions to the (grid) west, south and east. A total of 10 holes were completed, including 4 commenced in June and a further 2 are in progress for 3,232m. Significant results include:

15.2 metres down-hole @ 0.30% WO₃, 0.18% Cu, 1.7% Zn and 0.8% Pb from 331.1m (OC09004).

41.5 metres down-hole @ 0.31% WO₃, 0.36% Cu, 0.4% Zn and 0.2% Pb from 315m (OC09005)

33.0 metres down-hole @ 0.49% WO₃, 0.38% Cu, 5.4% Zn and 2.9% Pb from 342m (OC09006).

40.0 metres down-hole @ 0.40% WO₃, 0.40% Cu, 2.7% Zn and 2.0% Pb from 351m (OC09007).

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NAMOSI JOINT VENTURE (69.94%)

Drilling continued with 4 rigs in operation at Waisoi and Waivaka. A total of 2,998.3m was drilled with 3 holes completed and 3 in progress. Another significant result was returned from drill-hole NVD008, a follow up hole located approximately 200 metres west (along strike) from high grade mineralisation reported previously in NDV007. Results were:

602.6 metres down-hole @ 0.53% Cu and 0.03g/t Au (from 214m) - including 338 metres @ 0.79% Cu and 0.11g/t Au (from 352m) - which included a zone of 94 metres @ 1.21% Cu and 0.23g/t Au (from 490m).

High grades correlate with up to 2% chalcopyrite and 2% bornite as vein infill and disseminations. Follow up drilling is planned to determine the vertical and strike extent of the mineralisation as well as confirm the continuity of the mineralisation between NVD007 and NVD008.

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by C. Moorhead, EGM Minerals for Newcrest Mining Limited who is a Member of The Australasian Institute of Mining and Metallurgy, and a full-time employee of Newcrest Mining Limited. Mr Moorhead has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Moorhead consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

Appendix 1

Summary Drilling Results

Gosowong Drilling Results

Reporting Criteria: Intercepts reported are intervals of Au >1g/t with intervals of <1g/t Au up to 2m included. Where no individual intercepts >1g/t exist, the intercepts reported are intervals of Au >0.1g/t with intervals of <0.1g/t Au up to 2m included. Samples are generally from diamond core drilling which is HQ diameter. Some intercepts may be of larger or smaller than HQ due to drilling logistics. Core is photographed and logged by the geology team before being cut in half. Half core samples are prepared for assay and the other half is retained in the core farm for future reference. Each assay batch is submitted with standards to monitor laboratory quality.

Hole ID	Hole Type	Northing Local Grid (m)	Easting Local Grid (m)	Total Depth (m)	Azimuth (Magnetic)	Dip	From (m)	To (m)	Interval (m)	True Thickness (m)	Au Grade g/t
KSU089	DDH	19967.7	10148.8	305.6	182.9	-65.2	95.00	104.40	9.40	7.97	1.67
							283.00	287.00	4.00	3.46	0.20
KSU090	DDH	19968.5	10568.3	269.2	216.4	-46.8	82.00	94.10	12.10	11.99	53.1 ¹
							244.20	247.10	2.90	2.87	0.08
KXD041	DDH	20449.2	10246.2	579.1	225.0	-75.0	380.00	381.95	1.95	1.81	0.30
GXD020W	DDH	18989.2	10082.2	875.4	212.0	-63.0	516.00	519.60	3.60	3.59	0.09
TND006	DDH	10320.0	3275.0	592.6	270.0	-52.0	419.50	426.30	6.80	3.58	NSA
							472.20	474.00	1.80	1.45	0.53
							521.80	526.00	4.20	3.36	0.13
TND007	DDH	9950.0	2820.0	492.0	90.0 Including Including	-54.0	393.40	400.90	7.50	5.53	0.90
							395.50	396.20	0.70	0.50	2.03
							399.40	400.30	0.90	0.64	3.67
							464.50	468.50	4.00	3.28	2.87
TND009	DDH	9977.2	2822.0	551.9	90.0	-65.0	256.00	257.00	1.00	0.81	1.04
							464.50	470.00	5.50	3.76	0.16
SBD022	DDH	19670.5	11196.4	774.6	223.0	-53.0	305.10	307.10	2.00	#	1.00
TND013	DDH	9977.0	2682.0	In Progress	90.0 Including	-59.0	289.00	297.20	8.20	#	24.0
							289.50	293.70	4.20	#	38.0

(# - True Thickness unable to be determined at present)

Telfer Drilling Results

O'Callaghans Project

Reporting Criteria: Intercepts reported are intervals of W >0.1% with intervals of <0.1% W up to 5m included. Samples are generally from diamond core drilling which is HQ diameter. Some intercepts may be of larger or smaller than HQ due to drilling logistics. Core is photographed and logged by the geology team before being cut in half. Half core samples are prepared for assay and the other half is retained in the core farm for future reference. Each assay batch is submitted with standards to monitor laboratory quality.

Hole ID	Hole Type	Northing Local Grid (m)	Easting Local Grid (m)	Total Depth (m)	Azimuth (local grid)	Dip	From (m)	To (m)	Interval (m)	WO3 Grade %	Cu Grade %	Pb Grade %	Zn Grade %
OC09004	DDH	1596.22	56905.53	372	90	-85	331.1	346.3	15.2	0.30	0.18	0.83	1.7
OC09005	DDH	1465.96	56955.16	369.3	90	-85	283	289	6.0	0.35	0.38	0.01	0.04
							315	356.5	41.5	0.31	0.36	0.21	0.40
OC09006	DDH	1394.7	57200.07	384.3	270	-85	342	375	33.0	0.49	0.38	2.9	5.4
OC09007	DDH	1395.01	57194.63	403.4	270	-75	351	391	40.0	0.40	0.40	2.0	2.7

¹ This high grade is from the K1 Shoot intercepted en route to a deeper target and is not significant in exploration terms.

Namosi JV Drilling Intercepts

Reporting Criteria: Intercepts reported are Cu >0.1% with up to 10m intervals of <0.1% Cu included. Also highlighted are high grade intervals of Cu >0.3% with intervals of <0.3% Cu up to 10m included and Cu >1% with intervals of <1% Cu up to 10m included. This highlights the lower grade porphyry potential and higher grade potential within a lower grade envelope. Samples are generally from diamond core drilling which is HQ diameter. Some intercepts may be of larger or smaller than HQ due to drilling logistics. Core is photographed and logged by the geology team before being cut in half. Half core samples are prepared for assay and the other half is retained in the core farm for future reference. Each assay batch is submitted with standards to monitor laboratory quality.

Hole ID	Hole Type	Northing Local Grid (m)	Easting Local Grid (m)	Total Depth (m)	Azimuth (local grid)	Dip	From (m)	To (m)	Interval (m)	Au Grade g/t	Cu Grade %	Cu cut-off %
NSE009	DDH	3888945	1937102	924.1	270	-50	12	540	528	0.04	0.30	0.1
							276	378	102	0.07	0.45	0.3
							454	508	54	0.05	0.53	0.3
							562	924.1	362.1	0.04	0.23	0.1
NVD006	DDH	3882300	1939565	688.7	180	-50	-	-	-	NSA ²	NSA	-
NVD008	DDH	3882980	1940337	816.6	200	-50	214	816.6	602.6	0.03	0.53	0.1
							352	690	338	0.11	0.79	0.3
							490	584	94	0.23	1.21	1.0
NVD009	DDH	3882246	1937950	739.5	35	-50	-	-	-	NSA	NSA	-

² NSA = No significant assays