June 10th, 2011

More High-Grade Drill Results on Bibiani Satellite Deposits

Highlights

- ***Hits of up to 425g/t highlight strength of early ore source for Bibiani plant***
- ***Commissioning of 3Mtpa plant is due to commence in September Quarter, 2011***
- ***Bibiani Project to ramp-up to 150,000ozpa from Calendar Year 2012***

Noble Mineral Resources (ASX: NMG) is pleased to advise that the process of finalising a maiden resource and reserve estimate for a number of the satellite deposits at its Bibiani Gold Project in Ghana is on track after receiving another host of outstanding drilling results.

The results, which include intersections of up to 425gpt, stem from drilling at the Walsh deposit and the last of the drilling at the Grasshopper deposit at Bibiani. These deposits, along with the nearby satellite deposits of Aheman and Strauss, will provide early primary ore for the refurbished 3Mtpa mill.

The latest results at Walsh include (see Appendix 3):

- **4m @ 118.85g/t Au including:**
  - ***1m @ 425.55g/t Au***
- **17m @ 2.94g/t Au**
- **3m @ 15.22g/t Au**
- **10m @ 2.36g/t Au**
- **3m @ 7.5g/t Au**
- **7m @ 2.77g/t Au**

And at Grasshopper:

- **2m @ 3.12g/t Au**
- **5m @ 3.61g/t Au**

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Commissioning of the plant is on track for the September quarter, enabling Noble to ramp up production at Bibiani to 150,000 ounces a year from CY '12.

The maiden resource and reserve estimates for the satellite pits are scheduled to be released as part of Noble's June Quarterly report, which is planned for the third week of July.

As reported previously, Noble believes the satellite deposits at Walsh and Strauss are continuous and therefore may become the subject of one extensive single open pit. The Company remains of the view that this may eventuate and will continue drilling at the satellite deposits to both grow the resource and reserve inventory while determining the potential to create a large open pit.

These deposits are currently not included in the existing JORC resource at Bibiani of 1.98 million ounces, including 605,000oz in reserves at a gold price of US$1,100 per Ounce *(JORC code compliant; see Appendix 1: Ore Reserves, Appendix 2: Resource estimate).* This resource and reserve estimate is based solely on the main pit at Bibiani.

Drilling is also underway at the Bibiani main pit where Noble believes there is strong potential to increase resources and reserves, mainly within the west wall of the current pit. This would enable material removed from the pit cutback to be treated as mill feed rather than as waste.

"Drilling at the satellite deposits continues to produce outstanding results, highlighting the potential for this area to supply substantial amounts of high-grade ore for the mill," Noble Managing Director Wayne Norris said.

"The Bibiani Project is now taking shape rapidly, with the plant refurbishment and maiden resource/reserve estimates on the satellite deposits set to underpin the start of strong production and cash flow.

"Bibiani is about to arrive as West Africa's next major gold producer."

Authorised by:

Wayne Norris

Managing Director

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Competent Person's Statement

The information in this announcement that relates to Mineral Resource and Ore Reserve estimates is based on information compiled by Mr Phillip Schiemer (BSc (Hons), Geology and Geophysics), who is a Corporate Member of the Australasian Institute of Mining and Metallurgy and a member of the Australian Institute of Geoscientists. Mr Schiemer is employed by Noble Mineral Resources Ltd, and has sufficient experience which is relevant to the style of mineralisation being reported herein as Mineral Resources, Ore Reserves and Exploration Results 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' (JORC Code). Mr Schiemer consents to the inclusion in this announcement of the matters based on his information in the form and content in which it appears.

About Noble Mineral Resources Limited

Noble Mineral Resources Limited listed on the Australian Stock Exchange on 26th June 2008 with a focus on exploring for large-scale gold deposits in the world-class Ashanti Gold Belt in Ghana, West Africa.

In November 2009, the Company entered into an agreement for the acquisition of the **Bibiani Gold Mine**, a project located in the Sefwi-Bibiani Gold Belt in Ghana, host to over 30 Million Ounces of gold. On July 20th 2010 the final Share Transfer Form was executed to consummate the purchase.

Noble's other primary gold concessions are Exploration Licences at **Cape Three Points, Brotet** and **Tumentu,** which cover some 141.3km² and all are located within the world –class Ashanti Gold Belt in south western Ghana. Ghana is the second largest gold producer in Africa and is the 10th largest gold producing nation in the world, with annual production of approximately 2.9 Million Ounces. Noble's ongoing focus will be to expand the drilling program at Bibiani to target new shallow resources near the Bibiani Mine and adjacent tenements while still progressing the **Cape Three Points, Brotet and Tumentu** Concessions within the Southern extension of the Ashanti Gold Belt. Initial exploration at Cape Three Points will be targeted towards the **Satin Mine Project** and the **Morrison Project**, both of which lie in an area of historic underground gold exploration. Noble believes that there is significant potential for the delineation of additional high-grade gold mineralisation relating to the down-plunge and strike extension to these zones. When added to the potential now available at Bibiani it will place Noble in a strong position to achieve its goal in building Australia's next major gold mining house.

The Company recognises the **Bibiani**, **Cape Three Points, Brotet** and **Tumentu** Concessions are relatively under explored, highly prospective projects and aims to rapidly redefine JORC-compliant resources for development.

ASX Code: NMG

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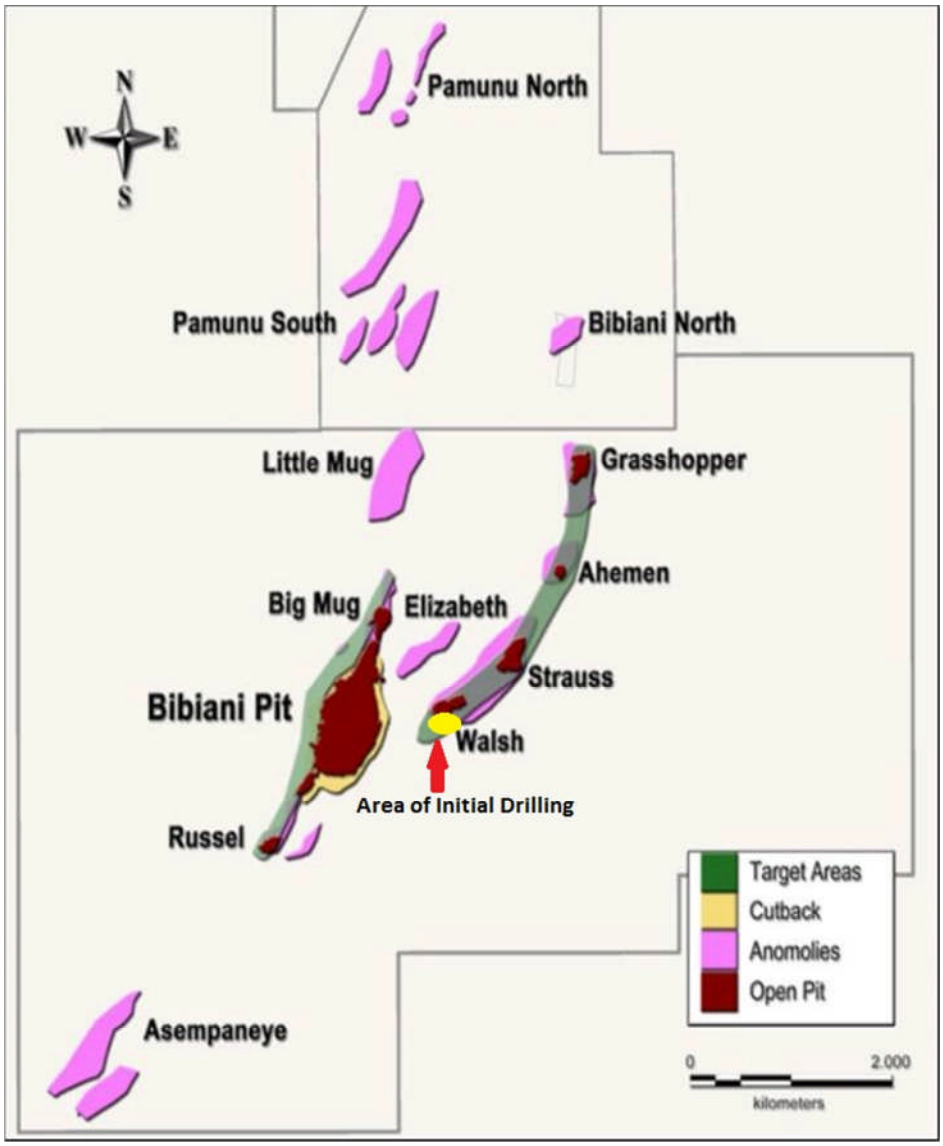
Figure 1 – Area of Initial Drilling Focus at Bibiani



Appendix 1 – Proved and Probable Ore Reserves as at March 2010

Bibiani Open Pit Detailed Design Cutback Proved and Probable Ore Reserves – March 2010												
	Oxide			Fresh			Fill			Total		
	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	Mt	G/t	Mozs	Mt	G/t	Mozs	Mt	G/t	Mozs	Mt	G/t	Mozs
Proved	-	-	-	3.45	2.29	0.254	-	-	-	3.454	2.29	0.254
Probable	0.30	1.45	0.014	4.40	2.28	0.323	0.25	1.79	0.014	4.946	2.21	0.351
Total	0.30	1.45	0.014	7.85	2.28	0.577	0.25	1.79	0.014	**8.400**	**2.24**	**0.605**
Derived from Measured and Indicated Mineral Resources using a cut-off grade of 0.7g/t												

Appendix 2 – March 2010 JORC Mineral Resource Estimate

	TONNAGE Tonnes (million)	GRADE (Au g/t)	METAL (tonnes Au)	CONT'D GOLD Ounces (million)
Measured	6.56	2.05	13.44	0.43
Indicated	13.37	1.77	23.66	0.76
Inferred	13.06	1.89	24.61	0.79
Total	**32.98**	**1.87**	**61.70**	**1.98**

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Appendix 3 – Table of Results

Hole_ID	From (m)	To (m)	Interval	Grade (Au)	From	
WA11_009	130	134	4.0m	118.85	130.0m	incl. 1m @ **425.55**g/t
WA11_001	124	141	17.0m	2.94	124.0m	
WA11_009	49	52	3.0m	15.22	49.00	
WA11_003	102	112	10.0m	2.36	102.0m	
WA11_006	59	62	3.0m	7.50	59.0m	
WA11_002	138	145	7.0m	2.77	138.0m	
WA11_004	157	162	5.0m	3.22	157.0m	
WA11_001	146	151	5.0m	2.84	146.0m	
WA11_002	123	128	5.0m	2.48	123.0m	
WA11_001	110	117	7.0m	1.52	110.0m	
WA11_002	95	97	2.0m	4.11	95.0m	
WA11_005	121	123	2.0m	3.49	121.0m	
WA11_002	110	113	3.0m	1.54	110.0m	
WA11_003	115	118	3.0m	1.50	115.0m	
WA11_005	138	140	2.0m	1.64	138.0m	
WA11_005	134	136	2.0m	1.29	134.0m	
WA11_002	133	134	1.0m	1.52	133.0m	
WA11_003	121	122	1.0m	1.48	121.0m	
WA11_014	103	104	1.0m	1.18	103.0m	
GR11_009	73	75	2.0m	3.12	73.0m	
GR11_009	78	83	5.0m	3.61	78.0m	