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# Mansounia Drill Results Reveal Extensions to Zones of Primary Gold Mineralisation

Burey Gold Limited (ASX: BYR, "Burey") is pleased to report assay results from the most recently completed infill and extension reverse circulation (RC) and diamond core drilling (DD) program at its Mansounia Licence in Guinea.

The infill and extension RC program of 60 holes for 5,884 metres has variously tested the extensions of and infill along ten (100m to 400m spaced) drill sections to the south of the previously defined, Mansounia Gold Deposit (MGD) - Refer to **Plans 1 and 2**.

A further14 RC holes for 1,446m and two HQ DD holes for 325m were drilled to explore the area of "The Magnificent" gold prospect, refer to **Plan 3**.

All RC samples have been analysed for gold (BLEG analysis) and results have been received. The half core samples from the two diamond core holes are with the laboratory, with the BLEG and ICP/MS results from these presently outstanding.

## **HIGHLIGHTS**

- MRC 283 returned from surface 30m @ 0.68g/t Au;
- MRC 286 returned from 37m down hole, 17m @ 0.94g/t Au;
- MRC 287 returned from 33m down hole, 13m @ 1.82g/t Au;
- MRC 288 returned from 85m down hole, 6m @ 2.32g/t Au;
- MRC 289 returned from 47m down hole, 14m @ 0.86g/t Au;
- MRC 293 returned from 71m down hole, 13m @ 3.40g/t Au;
- MRC 298 returned from 79m down hole, 20m @ 0.95g/t Au;
- MRC 299 returned from 32m down hole, 18m @ 3.00g/t Au;
- MRC 310 returned from 6m down hole, 13m @ 0.78g/t Au;
   MRC 314 returned from 67m down hole, 9m @ 1.91g/t Au;
- MRC 315 returned from 84m down hole, 2m @ 7.38g/t Au;
- MRC 340 returned from 5m down hole, 2m @ 9.11g/t Au and

from 76m down hole, 7m @ 1.71g/t Au.

These results provide support for committing to a development study for the MGD at the earliest opportunity.

## **BACKGROUND**

After Burey's initial exploration success at Mansounia (drilling results compiled 2006-2008), independent resource modelling, metallurgy test-work and a scoping study was undertaken (2008/2009) to address project development options. At that time drilling had not closed off the Mansounia Gold Deposit (MGD) mineralisation.

A near surface body of mineralisation was modelled which, at a 0.4g/t gold resource cut-off, contains an estimated Indicated and Inferred JORC Compliant Resource of 830,000 ounces of gold (~36M tonnes @ 0.7g/t gold).

The preliminary scoping study results at that time indicated that there may be potential for the viable development of the MGD should a low cost treatment process be availed or an increase in gold price (then around US\$940 per ounce).

The favourable mining (set in gentle terrain, shallow [minimal strip], soft, saprock hosted, broad, tapered and continuous body exposed by mining to depth with minimal internal waste) and metallurgical (secondary mineralization, low additive consumption, favourable leach kinetics) characteristics of the MGD were only loosely cost factored at that time. The drill results now being reported and the current gold prices point to the need for a closer study of the development options at Mansounia.

The infill and extension drill-testing of areas of known gold mineralisation at the Mansounia Licence planned for late 2009 / early 2010 was not undertaken until 2011 due to unavailability of a suitable drill rig as well as adverse weather conditions.

# 2011 DRILLING

The recent drilling campaign had two objectives:

- a program of inclined (60° to horizontal) RC drill hole traverses (60 holes for an aggregate of 5,884m) undertaken in the anticipation of extending the limits of known mineralisation for the MGD further to the south, for which remodelling and a feasibility study could be framed. Refer to **Plans 1 and 2**
- a program of green-fields drilling to evaluate "The Magnificent" prospect approximately 6 kms to the south-south-east of MGD, refer **Plan 3**.

Table I Mansounia 2011 Drill-Hole parameters

HOLE	PROSPECT	UTM		Collar	Azimuth	Decl.	Length
No.	Name	East	North	RL	Degrees	Degrees	Metres
MRC280	MGD Infill	412200	1147319	463	270	-60	102
MRC281	MGD Infill	412098	1147309	469	270	-60	100
MRC282	MGD Infill	412004	1147307	485	270	-60	51
MRC283	MGD Extension	412488	1147238	460	290	-60	104
MRC284	MGD Extension	413148	1147306	438	270	-60	90
MRC285	MGD Extension	413043	1147302	442	270	-60	100
MRC286	MGD Extension	412944	1147295	456	270	-60	102
MRC287	MGD Extension	412838	1147302	457	270	-60	100
MRC288	MGD Extension	413000	1147106	447	270	-60	108
MRC289	MGD Extension	412897	1147102	449	270	-60	100
MRC290	MGD Extension	412801	1147104	443	270	-60	78
MRC291	MGD Extension	412691	1147101	456	270	-60	100
MRC292	MGD Extension	412600	1147104	465	270	-60	106
MRC293	MGD Extension	412510	1147098	474	090	-60	100
MRC294	MGD Extension	413101	1146904	440	270	-60	100
MRC295	MGD Extension	413003	1146941	433	270	-60	100
MRC296	MGD Extension	412902	1146905	432	270	-60	95
MRC297	MGD Extension	412799	1146904	444	270	-60	96
MRC298	MGD Extension	412686	1146898	450	270	-60	100
MRC299	MGD Extension	412599	1146901	457	270	-60	60
MRC300	MGD Extension	412550	1146898	470	270	-60	96
MRC301	MGD Extension	412497	1146896	472	270	-60	80
MRC302	MGD Extension	413126	1146502	441	270	-60	93
MRC303	MGD Extension	413021	1146498	447	270	-60	90
MRC304	MGD Extension	412923	1146501	451	270	-60	102
MRC305	MGD Extension	412822	1146501	453	270	-60	100
MRC306	MGD Extension	412723	1146506	461	270	-60	98
MRC307	MGD Extension	412622	1146502	469	270	-60	100
MRC308	MGD Extension	412533	1146503	479	270	-60	100
MRC309	MGD Extension	413052	1146251	464	270	-60	100
MRC310	MGD Extension	412851	1146260	474	270	-60	100
MRC311	MGD Extension	412405	1146256	513	270	-60	100
MRC312	MGD Extension	412747	1146251	478	270	-60	104
MRC313	MGD Extension	412890	1146055	485	270	-60	87
MRC314	MGD Extension	412508	1146047	523	270	-60	90
MRC315	MGD Extension	412799	1146053	488	270	-60	96
MRC316	MGD Extension	413192	1145830	455	270	-60	100
MRC317	Magnificent	416763	1140331	392	350	-60	102
MRC318	Magnificent	416773	1140281	390	350	-60	99

Table I Mansounia 2011 Drill-Hole parameters (continued)

HOLE	PROSPECT	UTM		Collar	Azimuth	Decl.	Length
No.	Name	East	North	RL	Degrees	Degrees	Metres
MRC319	Magnificent	416871	1140330	386	350	-60	100
MRC320	Magnificent	416868	1140286	386	350	-60	113
MRC321	Magnificent	416874	1140225	390	350	-60	100
MRC322	Magnificent	416949	1140227	387	360	-60	116
MRC323	Magnificent	416942	1140295	378	360	-60	100
MRC324	Magnificent	416962	1140349	383	360	-60	104
MRC325	Magnificent	416683	1140332	396	360	-60	114
MDD018	Magnificent	416192	1140386	411	045	-60	153
MDD019	Magnificent	416129	1140387	412	045	-60	172
MRC326	Magnificent	416083	1140492	435	045	-60	114
MRC327	Magnificent	416060	1140541	438	045	-60	90
MRC328	Magnificent	416250	1140368	402	045	-60	98
MRC329	Magnificent	416290	1140337	397	045	-60	103
MRC330	Magnificent	416528	1140340	395	045	-60	93
MRC331	MGD Extension	412448	1145827	530	270	-60	66
MRC331 A	MGD Extension	412451	1145825	527	090	-60	12
MRC332	MGD Extension	412352	1145846	535	270	-60	100
MRC333	MGD Infill	412250	1145847	534	270	-60	100
MRC334	MGD Infill	412166	1145859	539	270	-60	100
MRC335	MGD Extension	412410	1146048	540	270	-60	100
MRC336	MGD Infill	412242	1146243	549	270	-60	100
MRC337	MGD Infill	411702	1146785	594	270	-60	100
MRC338	MGD Infill	411600	1146795	594	270	-60	90
MRC339	MGD Infill	411290	1146792	594	270	-60	100
MRC340	MGD Infill	411496	1146788	595	270	-60	100
MRC341	MGD Infill	411399	1146783	495	270	-60	102
MRC342	MGD Infill	411994	1146960	575	270	-60	104
MRC343	MGD Infill	411899	1146964	584	270	-60	96
MRC344	MGD Infill	411794	1146953	589	270	-60	100
MRC345	MGD Infill	411097	1146809	585	270	-60	100
MRC346	MGD Infill	410904	1146783	574	270	-60	100
MRC347	MGD Infill	412042	1145846	507	270	-60	100
MRC348	MGD Infill	411694	1146943	593	270	-60	100
MRC349	MGD Infill	411494	1147255	599	270	-60	100
MRC350	MGD Infill	411409	1147264	598	270	-60	100
MRC351	MGD Infill	411338	1147283	594	270	-60	90
MRC352	MGD Infill	411496	1147402	604	270	-60	96
MRC353	MGD Infill	411393	1147410	602	270	-60	100
MRC354	MGD Infill	411510	1147405	604	090	-60	100

<u>Table II</u> presents the intersections  $\ge 3m@\ge 0.3gm$  returned by the MGD extension and infill drill programme. These are best appreciated when located on plan and on a proximal array of ten drill cross-sections which provide a spatial link to the primary and secondary zones of mineralisation and reveal how the resource model could be enhanced.

 $\underline{\text{Table II:}}$  Selected intersection widths returned by Southern infill and extension drilling on the  $\overline{\text{MGD}}$ 

Hole Number			Down-hole	Grade	
11010 1 (01110 01	From	То	Width	(g/t Au)	gm.m
MRC280	80	83	3	0.45	1.35
MRC283	0	30	30	0.68	20.4
	40	51	11	0.60	6.60
	99	104*	5	0.34	1.70
MRC285	49	51	2	0.98	1.96
MRC286	37	54	17	0.94	15.98
	63	73	10	0.65	6.50
	100	102*	2	1.42	2.84
MRC287	33	46	13	1.82	23.66
	51	60	9	0.66	5.94
	65	68	3	0.63	1.89
	72	76	4	0.45	1.80
	80	86	6	0.25	1.50
	91	100*	9	0.51	4.59
MRC288	24	26	2	0.58	1.16
	31	33	2	1.32	2.64
	56	58	2	2.51	5.02
	85	91	6	2.32	13.92
	97	107	10	0.33	3.30
MRC289	47	61	14	0.86	12.04
	inc: 77	80	3	0.33	
MRC290	15	25	10	0.48	4.80
	64	66	2	1.08	2.16
MRC291	6	21	15	0.29	4.35
	25	27	2	0.27	
MRC292	6	36	30	0.54	16.20
	inc: 85	87	2	0.44	
	inc:102	104	2	0.40	
MRC293	4	9	5	0.25	1.25
	43	46	3	0.64	1.92
	71	84	13	3.40	44.2
MRC295	11	21	10	0.26	2.60
	63	65	2	0.85	1.70
MRC296	10	14	4	0.25	1.00
	16	20	4	0.49	1.96

 $\underline{\underline{Table~II:}}$  Selected intersection widths returned by Southern infill and extension drilling on the  $\underline{MGD}$  (continued)

Hole Number			Down-hole	Grade	
	From	То	Width	( g/t Au)	gm.m
MRC298	10	26	16	0.62	9.92
	35	45	10	0.73	7.30
	50	53	3	0.61	1.83
	61	65	4	0.33	1.32
	69	75	6	0.55	3.30
	79	99	20	0.95	19.00
MRC299	4	7	3	0.71	2.13
	32	50	18	3.00	54.00
MRC300	15	18	3	2.10	6.30
	40	42	2	0.63	1.26
	86	89	3	0.64	1.92
MRC302	10	15	5	0.70	3.50
	35	42	7	0.38	2.66
	51	54	3	0.43	1.29
	72	85	13	0.68	8.84
	89	93*	4	0.36	1.44
MRC304	10	15	5	0.31	1.55
MRC306	10	15	5	0.38	1.90
MRC307	1	6	6	0.29	1.74
	13	15	2	0.62	1.24
	75	78	3	0.47	1.41
MRC308	11	16	5	0.79	3.95
	inc: 36	38	2	0.44	
MRC309	8	15	7	0.22	1.54
	inc; 78	81	3	0.32	
MRC310	6	19	13	0.78	10.14
MRC312	6	16	10	0.35	3.50
MRC313	12	17	5	0.30	1.50
MRC314	13	16	3	0.35	1.05
	26	32	6	0.94	5.64
	54	59	5	0.39	1.95
	61	64	3	0.89	2.67
	67	76	9	1.91	17.19
	80	84	4	0.35	1.40
MRC315	6	16	10	0.51	5.10
	56	61	5	0.41	2.05
	84	86	2	7.38	14.76
MRC340	5	7	2	9.11	18.22
	76	83	7	1.71	11.97
40+gm.m	20+gm.m	10+gm.m	5+gm.m	2.5+gm.m	1.25+gm.m

<sup>• \*</sup> Hole ending in grade.

Table III: Selected intersection widths ( $\ge 3$  m@ $\ge 0.3$  gm) returned from *The Magnificent* prospect drilling

Hole Number			Down-hole	Grade	
	From	То	Width	(g/t Au)	gm.m
MRC318	48	50	2	0.41	
MRC322	113	114	1	1.3	1.3
MRC325	95	97	2	0.57	1.14
MRC326	109	114	5	0.50	2.50
MRC328	12	16	4	0.80	3.20
MRC329	62	80	18	0.45	8.10
40+gm.m	20+gm.m	10+gm.m	5+gm.m	2.5+gm.m	1.25+gm.m

# Conclusion

The results from the recent RC infill drilling are encouraging and consistent with past drilling, adding to the potential for the MGD resource to grow further (from the 2009 levels) and lending support for committing to a development study for the MGD at the earliest opportunity.

In general terms these drill results suggest the wedge of eluvial (secondary) saprock mineralisation which characterises the MGD is less well developed and dissipates to the south of Intermediate Creek (in comparision to the north thereof) implying, thereabouts, the local ground water regime had a more open, less constrained history.

To the south of Intermediate Creek, the MGD's characteristic sheet like morphology is supplanted by a more focussed expression located over/along the projections of weathered (saprock) remnants of the primary zones of mineralisation (gold) emplacement. This additional drill hole assay data can be expected to refine and enhance the resource model and its estimated content.

Although only weak mineralisation has been intersected by drilling carried out to date at the Magnificent Prospect (refer to <u>Table III</u>), the extensive carbonate and silica alteration observed is encouraging and a selective program of follow up drill testing is warranted.

# **Ends**

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**Table A:** Resource Estimate Summary, Mansounia Gold Deposit.

Cut-off Grade Aug/t*	Indicated			Inferred			Total		
	Tonnes	Grade	Contained	Tonnes	Grade	Contained	Tonnes	Grade	Contained
	Mt	Au/t	Ounces Au	Mt	Au/t	Ounces Au	Mt	Au/t	Ounces Au
0.2	7.9	0.6	151,600	53.6	0.5	926,400	61.5	0.5	1,078,000
0.4	6.1	0.7	132,100	30.4	0.7	697,600	36.5	0.7	829,700
0.7	2.2	0.9	66,700	10.9	1.1	370,300	13.1	1.0	436,900
1.0	0.5	1.2	21,900	4.5	1.4	200,200	5.0	1.4	222,100

<sup>\*</sup>gold in grams per tonne.

### Competent Person Statement

The information in this update that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Bruce Stainforth who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Stainforth, a Director and full-time employee of the Company, has sufficient relevant experience in respect of the style of mineralization, the type of deposit under consideration and the activity being undertaken to qualify as a Competent Person within the definition of the 2004 Edition of the AusIMM's "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Stainforth consents to the inclusion in this report of the matters that are based on his information in the form and context in which it appears.

#### **Technical Notes**

- This document reports exploration results. It is not reporting resource or reserve estimates. Nonetheless, the drilling data reported here has been compiled to a standard sufficiently rigorous to permit its incorporation within a database, should one ultimately be developed for the preparation of such estimates.
- Widths are stated to be "down hole", with not enough data at this stage to offer commentary on true width.
- Drilling Contractor was Amco Drilling Guinee sarl, operating a Cummins powered rig generating 900CFM/350psi feed to a 133mm diameter PR-40 full face down-hole hammer. Downhole surveys relied on a Reflex electronic / digital device.
- Samples prepared on site for laboratory assay: when dry using a clean rig side steel 3-tier riffle-splitter; when damp samples were dried, coned and quartered; and when saturated decanted, thoroughly tumbled and speared as required.
- Laboratory analysis was by Intertek in Tarkwa, Ghana. In summary the analytical method used for gold
  determinations was BLEG wherein the whole sample (nominal 6kg wet) as delivered to the lab was dried
  and prepped by pulping to 95%<90# prior to availing a 2kg split for a 24hr saturated cyanide leach bottle
  roll.</li>





