

16 September 2010

## **BURKINA FASO GOLD – FINAL EXPLORATION ASSAY RESULTS RECEIVED**

### **KEY POINTS:**

- **Final consignment of assay results have been received from a further 11 holes drilled on the POA and GUIDO Prospects.**
- **Exploration data-set is being incorporated into JORC code compliant mineral resource study to be completed by the end of the year. Some remaining quality control samples are pending analysis and specific gravity measurements are being made on selected samples.**
- **Assay results from POA Prospect confirm gold mineralisation across the prospect and provide encouragement to continue future exploration in the area.**
- **Mineralised zones were identified in 7 of 8 holes from the POA Prospect and evaluated using 0.0 g/t Au cut-off. The following significant drilled thickness intervals were observed:**
  - POADH 002**
    - **11m at 1.71 g/t Au from 76m to 87 metres.**
  - POADH 005**
    - **5.65m at 2.25 g/t Au from 108m to 113.65 metres.**
  - POADH 006**
    - **3.7m at 1.68 g/t Au from 83.3m to 87 metres,**
    - **2m at 1.06 g/t Au from 103m to 105 metres,**
    - **5m at 2.57 g/t Au from 129m to 134 metres.**
  - POADH 008**
    - **1m at 1.72 g/t Au from 19m to 20 metres,**
    - **1.5m at 1.27 g/t Au from 103m to 104.5 metres.**
- **Blackthorn Resources has engaged the MSA Group to conduct a JORC code compliant mineral resource study to commence upon receipt of remaining data.**

Blackthorn Resources Limited (ASX: BTR) (“the Company” or “Blackthorn Resources”) is pleased to provide assay results from the final consignment of samples taken from 11 diamond-core (DDH) drill holes completed on the Company’s 100% owned exploration tenements in Burkina Faso.

Blackthorn Resources completed drilling 57 DDH holes in July 2010 from the POA and GUIDO prospects as shown in FIGURE 1. Further exploration was conducted as follow-up to previous exploration for gold hosted within multiple, parallel shear zones along northeast trending regional-scale shear zones within the Proterozoic aged Boromo greenstone belt. Assay results were received from 8 holes drilled on the POA prospect (Figure 2) and 3 holes drilled on the GUIDO prospect (Figure 3).

Final assay results have been incorporated into the exploration data-set which is being compiled to commence a JORC code compliant mineral resource study. It is planned to complete the mineral resource evaluation by the end of 2010. Some additional analysis is being conducted for quality control and assurance purposes and includes completing specific gravity (density) measurements from selected core samples.

#### Assay Results – POA and GUIDO Prospects

Gold assay results were received from 11 DDH holes, which completes the assaying program for this phase of exploration drilling.

All DDH holes at POA were drilled at an angle of 60 degrees towards the southeast, and DDH holes at GUIDO were drilled at an angle of 60 degrees towards the northwest. Drill hole details for 11 completed holes are listed in Table 1.

**TABLE 1– Summary of DDH drilling parameters for 11 DDH drill holes**

Drill hole ID	Easting (mE) WGS 84	Northing (mN) WGS 84	Dip (degrees)	Azimuth (degrees)	End of Hole Depth (m)
<b>POA Prospect</b>					
POADH 001	535,448	1,368,773	-60	150	152.5
POADH 002	535,576	1,369,035	-60	150	201.0
POADH 003	535,639	1,368,939	-60	150	191.5
POADH 004	535,782	1,369,086	-60	150	191.5
POADH 005	536,061	1,369,208	-60	150	171.5
POADH 006	536,252	1,369,446	-60	150	181.5
POADH 007	536,665	1,369,563	-60	150	110.5
POADH 008	536,449	1,369,527	-60	150	170.5
<b>GUIDO Prospect</b>					
GDDH 043	549,885	1,370,253	-60	310	91.0
GDDH 044	550,055	1,371,030	-60	315	137.5
GDDH 045	550,489	1,371,712	-60	315	99.7
<b>TOTAL</b>					<b>1,698.7</b>

**Note:** All drill hole collar co-ordinates have been accurately surveyed by local contractor.

Gold assays from DDH holes are reviewed initially using a 0.0 g/t Au cut-off to broadly identify mineralised zones. Mineralised zones within individual drill holes are further assessed using a 0.15 g/t Au cut-off grade to evaluate the mineralised intersections for reporting purposes. Only mineralised intersections with weighted average cut-off grade greater than 0.45 g/t Au are reported in Table 2. True-width intersections are not quoted as additional interpretation is required to correlate data from adjacent holes.

**TABLE 2 – Summary of recent DDH drilling results (above 0.45 g/t Au cut-off)**

Drillhole ID	Depth From (m)	Depth To (m)	Drilled Interval (m)	Gold Assay (g/t)
<b>POA Prospect</b>				
POADH 002	31	33	2	0.55
	51	52	1	0.49
	64	65	1	0.96
	76	80	<b>4</b>	<b>4.48</b>
	153	154	1	0.51
POADH 003	18	19	1	0.64
	118	120	2	0.56
POADH 004	14	16	2	0.65
	29	30	1	0.66
	41	42	1	0.87
POADH 005	108	110	<b>2</b>	<b>4.28</b>
	113	113.65	<b>0.65</b>	<b>6.20</b>
POADH 006	24	25	1	0.58
	39	40	1	0.45
	85	87	<b>2</b>	<b>3.04</b>
	103	105	<b>2</b>	<b>1.06</b>
	130	134	<b>4</b>	<b>3.19</b>
	173	174	1	0.75
POADH 007	14.5	16	1.5	0.57
POADH 008	10	12	2	0.50
	19	20	<b>1</b>	<b>1.72</b>
	103	104.5	<b>1.5</b>	<b>1.27</b>
<b>GUIDO Prospect</b>				
GDDH 043	2	4	<b>2</b>	<b>1.41</b>
GDDH 044	69	70	1	0.93
	134	137.5 EOH	3.5	0.67

### **Mineral Resource Study**

Blackthorn Resources has engaged the MSA Group to undertake a JORC code compliant mineral resource study from data collected. The data-set is being compiled to commence the mineral resource estimate upon receipt of remaining assays.

Managing Director Scott Lowe said

*“It is very encouraging to observe further gold mineralisation from the diamond-core holes drilled at the POA Prospect. The occurrences of gold mineralisation strengthen our understanding of the structure at that location and provide further confidence in the exploration model being implemented. Blackthorn Resource will initiate an evaluation of the mineral resource potential from the three targeted prospects based on results from drill holes completed over the past year.”*

#### **ATTRIBUTION**

The information in this report that relates to exploration results is based on information that has been reviewed and approved for release by Mr Adama Barry, who is a member of The Australasian Institute of Mining and Metallurgy. Mr Barry has 20 years experience in mineral exploration and is a full-time employee of Nantou Mining Limited BV, a subsidiary of Blackthorn Resources in Burkina Faso. Mr Barry has sufficient experience in relation to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined by the 2004 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Barry consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

### **Should you require further information please contact:**

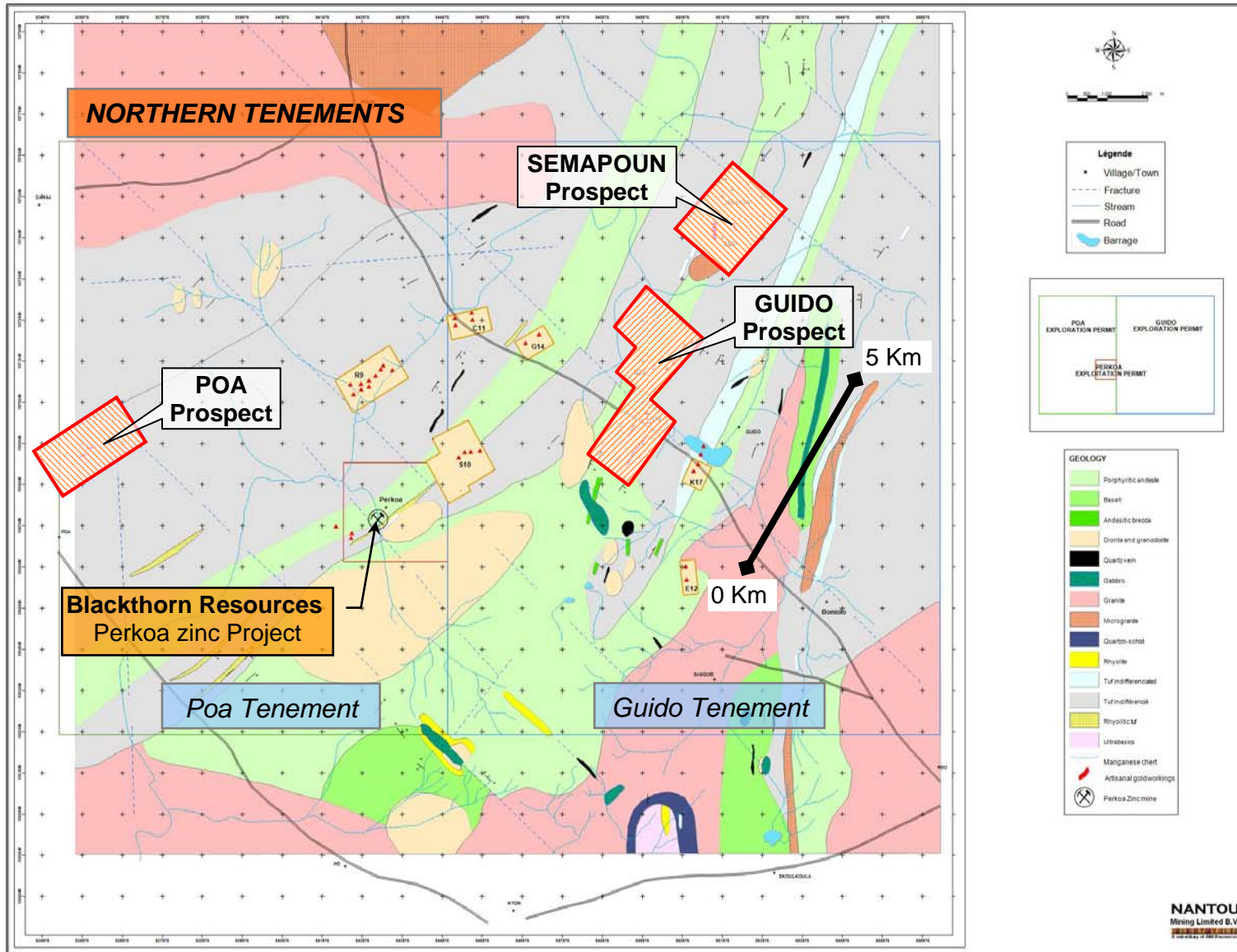
**Scott Lowe**

**Managing Director**

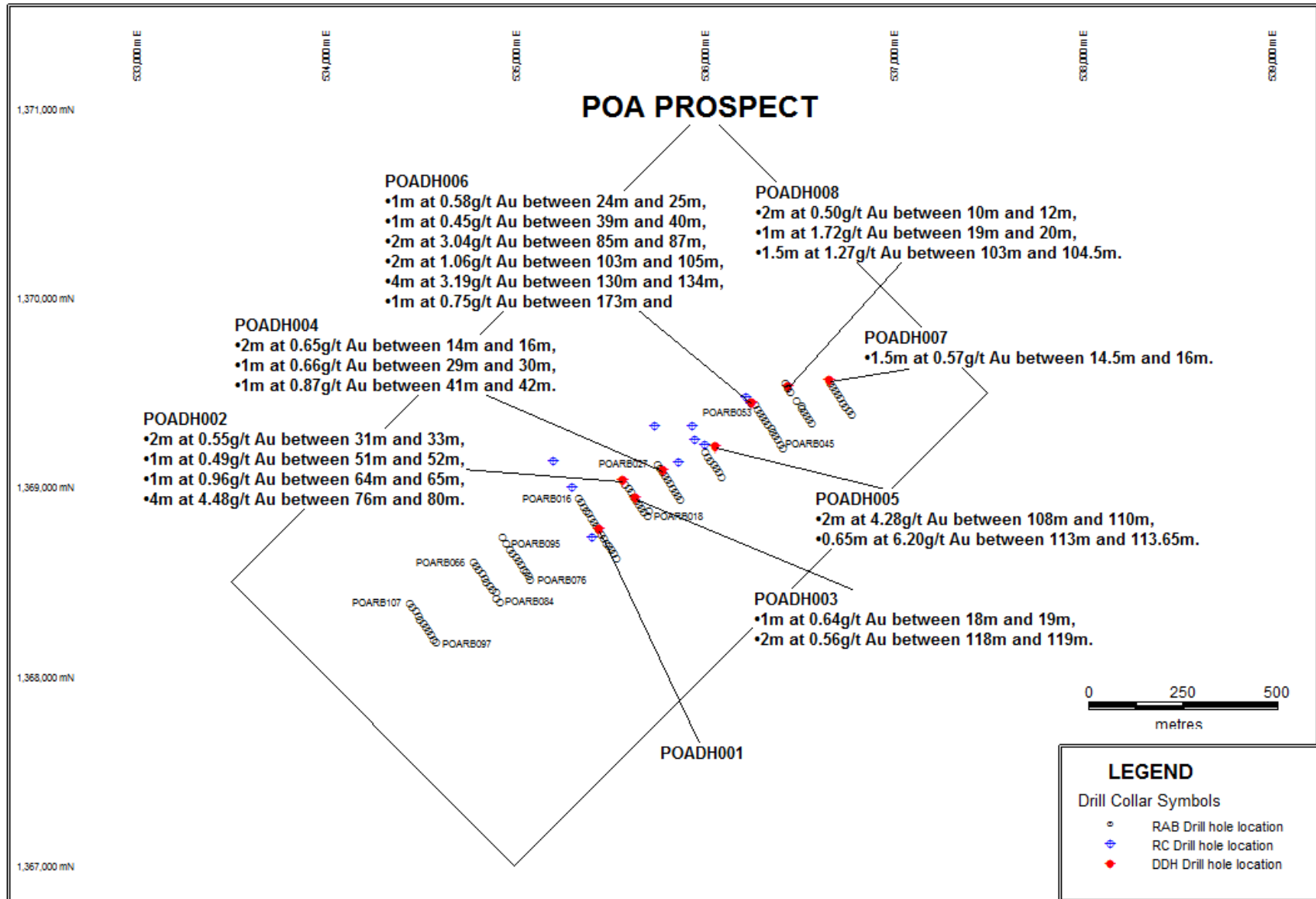
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#### **Notes:**

1. Analysis of samples was performed by ALS Chemex, an ISO/17025 accredited laboratory using conventional fire assay procedures with AAS finish on 50g aliquots for gold. A Quality Assurance/Quality Control (QA/QC) program includes chain of custody protocol, a systematic submittal of 10% QA/QC samples including field duplicates, field blanks and certified reference samples into the flow of samples submitted to the laboratory as well as re-assaying of the mineralised zones.
2. Samples were obtained by splitting nominal sized HQ/NQ diamond-core in half to obtain approximately 2kg samples. Half core was submitted to the laboratory for analysis with the remaining half stored in core trays at the Perkoa site in Burkina Faso.
3. For review of gold mineralisation from DDH drilling, a 0.15 g/t Au cut-off was applied to mineralised intervals and weighted averages above 0.45 g/t Au were calculated for reporting purposes.



**FIGURE 1** – Prospect location plan showing POA, GUIDO and SEMAPOUN prospects where DDH drilling was conducted during 2010.



**FIGURE 2** – Recent assay results from 8 drill holes from the POA Prospect showing mineralised intersections greater than 0.45 g/t Au cut-off.

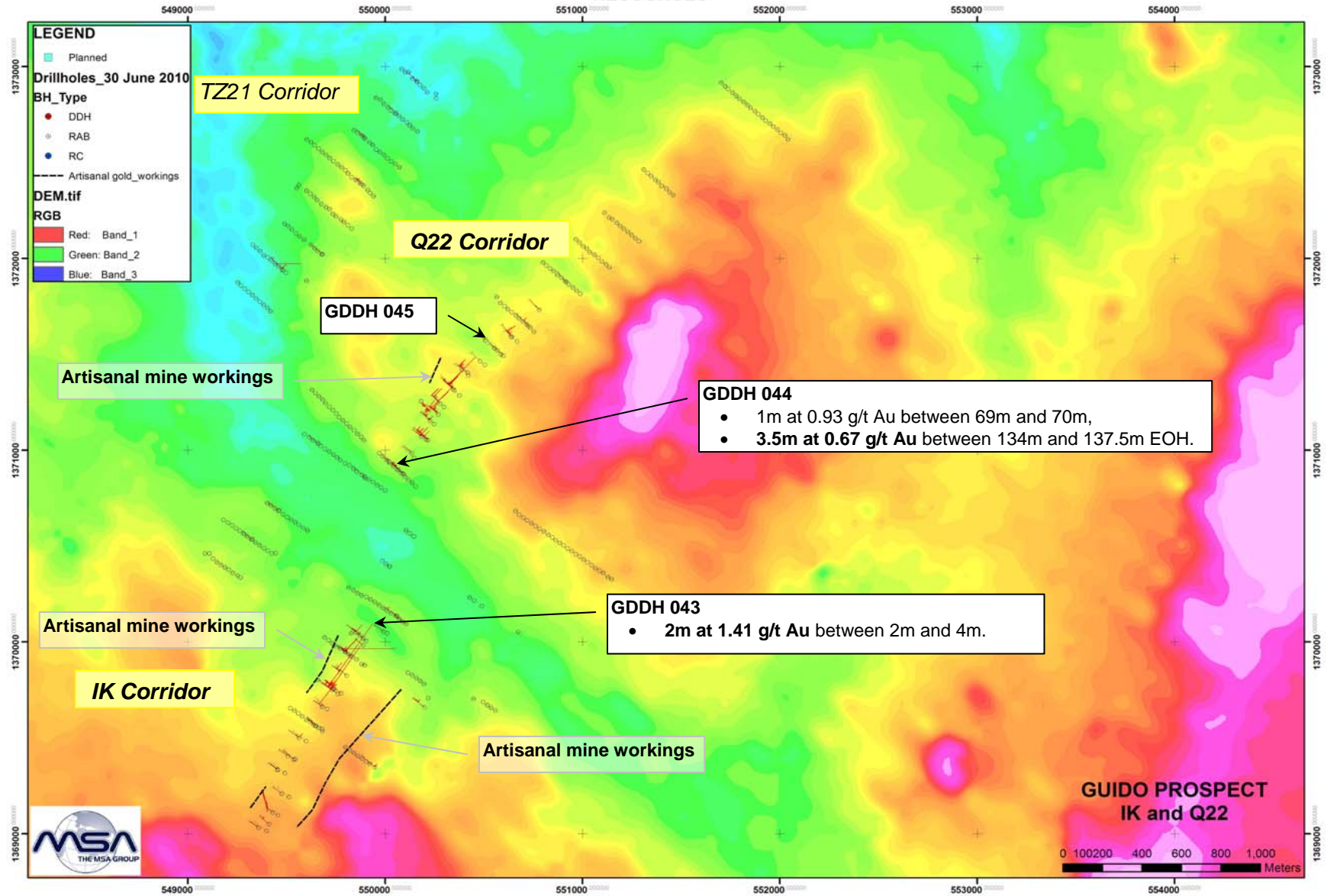


FIGURE 3 – Recent assay results from 3 drill holes from the GUIDO Prospect showing mineralised intersections greater than 0.45 g/t Au cut-off.