

22 June 2010

BURKINA FASO GOLD – EXPLORATION RESULTS

KEY POINTS

- Assay results received from 5 diamond-core (DDH) holes drilled on the GUIDO Prospect.
- Mineralised zones identified in 3 holes with the best drilled thickness intersections above the 0.45g/t cut-off including:

TZ21DH-001

- 3m @ 1.15 g/t Au between 20m and 23m
- 2m @ 0.51 g/t Au between 24m and 26m
- 1m @ 0.93 g/t Au between 152m and 153m

GDDH-014

- 1m @ 0.53 g/t Au between 23m and 24m
- 1m @ 0.47 g/t Au between 41m and 42m
- 1m @ 0.65 g/t Au between 48m and 49m
- 1m @ 0.71 g/t Au between 52m and 53m

- The DDH drilling program has currently completed 43 holes for a total 5,953 metres.
- The current plan is to complete drilling 47 DDH holes before the start of the annual wet season. However, some additional infill holes are being considered subject to weather and site access.
- To date assay results from 21 DDH holes have been announced with 14 reporting gold mineralization above the cut off grade.
- The gathering of sufficient data to initiate a JORC code compliant mineral resource study is in progress. Work on the study will commence upon receipt of all outstanding assays results.

Blackthorn Resources Limited (ASX: BTR, “the Company” or “Blackthorn Resources”) is pleased to provide further diamond-core (DDH) drilling results from the drilling program being completed in Burkina Faso, West Africa.

The Company is exploring the region for gold hosted within multiple parallel shear zones and has focused the drilling program on the GUIDO Prospect which covers part of a regional-scale shear zone (FIGURE 1). Gold was previously identified at GUIDO during previous exploration work by the Company and is also the site for some artisanal gold mining activity.

The shear zone at GUIDO can be traced for approximately 5km along strike and contains several gold bearing corridors which are interpreted to contain numerous lenticular-shaped ore zones that typically pinch and swell along strike and down dip. Morphology of this nature is typical for this style of mineralisation and represents the structural and lithological controls for gold emplacement.

GUIDO PROSPECT - Assay Results

Blackthorn Resources has received additional assay results from 5 holes drilled on the GUIDO Prospect. These DDH holes were positioned to follow-up previous anomalies identified during previous RC and RAB drilling campaigns which identified several gold bearing corridors.

Four of the holes were situated on the northern part of the drill pattern that was targeting the “IK” corridor and a single hole was drilled on the “TZ21” corridor (FIGURES 2 & 3). These DDH holes were drilled at an angle of 60 degrees towards the northwest and terminated at depths shown in TABLE 1.

TABLE 1 – Drilling parameters of 5 finalised DDH holes from GUIDO Prospect

Drillhole ID	Easting (mE) WGS 84	Northing (mN) WGS 84	Dip (degrees)	Dip (degrees)	End of Hole Depth (m)
TZ21 001	549,485	1,372,061	-60	315	173.5
GDDH 014	549,801	1,370,068	-60	310	121.5
GDDH 015	549,852	1,370,173	-60	310	110.5
GDDH 016	549,993	1,370,176	-60	310	121.5
GDDH 017	550,061	1,370,257	-60	310	130.0

Blackthorn Resources reviews gold assays from each hole (using a 0.00 g/t Au cut-off) in order to identify ‘mineralised zones’. These *mineralised zones* are further assessed using a 0.15g/t Au cut-off to calculate weighted average gold grades greater than 0.45g/t Au cut-off for continuous ‘mineralised intervals’. No upper cut-off limit has been applied to *mineralised intervals*. True-width intersections are not quoted as further interpretation of structure and geology is required to correlate data from adjacent holes.

Mineralised zones were identified in 3 DDH holes, which have revealed the following drilled thickness intersections in 2 holes above the reporting cut-off as follows:

TZ21DH001

- 3m @ 1.15 g/t Au between 20m and 23m
- 2m @ 0.51 g/t Au between 24m and 26m
- 1m @ 0.93 g/t Au between 152m and 153m

GDDH014

- 1m @ 0.53 g/t Au between 23m and 24m
- 1m @ 0.47 g/t Au between 41m and 42m
- 1m @ 0.65 g/t Au between 48m and 49m.
- 1m @ 0.71 g/t Au between 52m and 53m.

Low levels of gold mineralisation were identified in 3 other DDH holes (GDDH015, GDDH016 and GDDH017). However, these holes were below the reporting cut-off. While these intersections are not reported, they do provide useful information that will be incorporated into a geological model which will be used in the planned mineral resource study.

To date, assay results have been received from 21 DDH holes of which 14 holes have reported gold mineralisation above the reporting cut-off. In addition, some interesting mineralised zones have been identified in several holes which have the potential to represent a large tonnage, low grade bulk mining scenario.

Mineral Resource Study

Blackthorn Resources is planning to initiate a mineral resource study upon receipt of all outstanding assay results. The task of gathering sufficient quality data has commenced and the Company is aiming to progress this work during the annual wet season period.

New data is being incorporated with information from previous RC drilling campaigns, which is assisting in developing a better understanding of the processes controlling the occurrence of gold in the area.

Managing Director Scott Lowe said:

“The Company continues to be encouraged by these results and the data collected to date is assisting our understanding of the control mechanisms for gold mineralisation along these regional-scale shear zones. The grades are expected to vary due to the lenticular nature of gold bearing zones. This is typical for this style of mineralisation.

As additional data is received from the diamond-core drilling program, the knowledge base from these prospects is also increasing. We look forward to further results and growing our understanding of the geology as well as the nature and extent of gold mineralisation in the targeted areas.”

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.

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:

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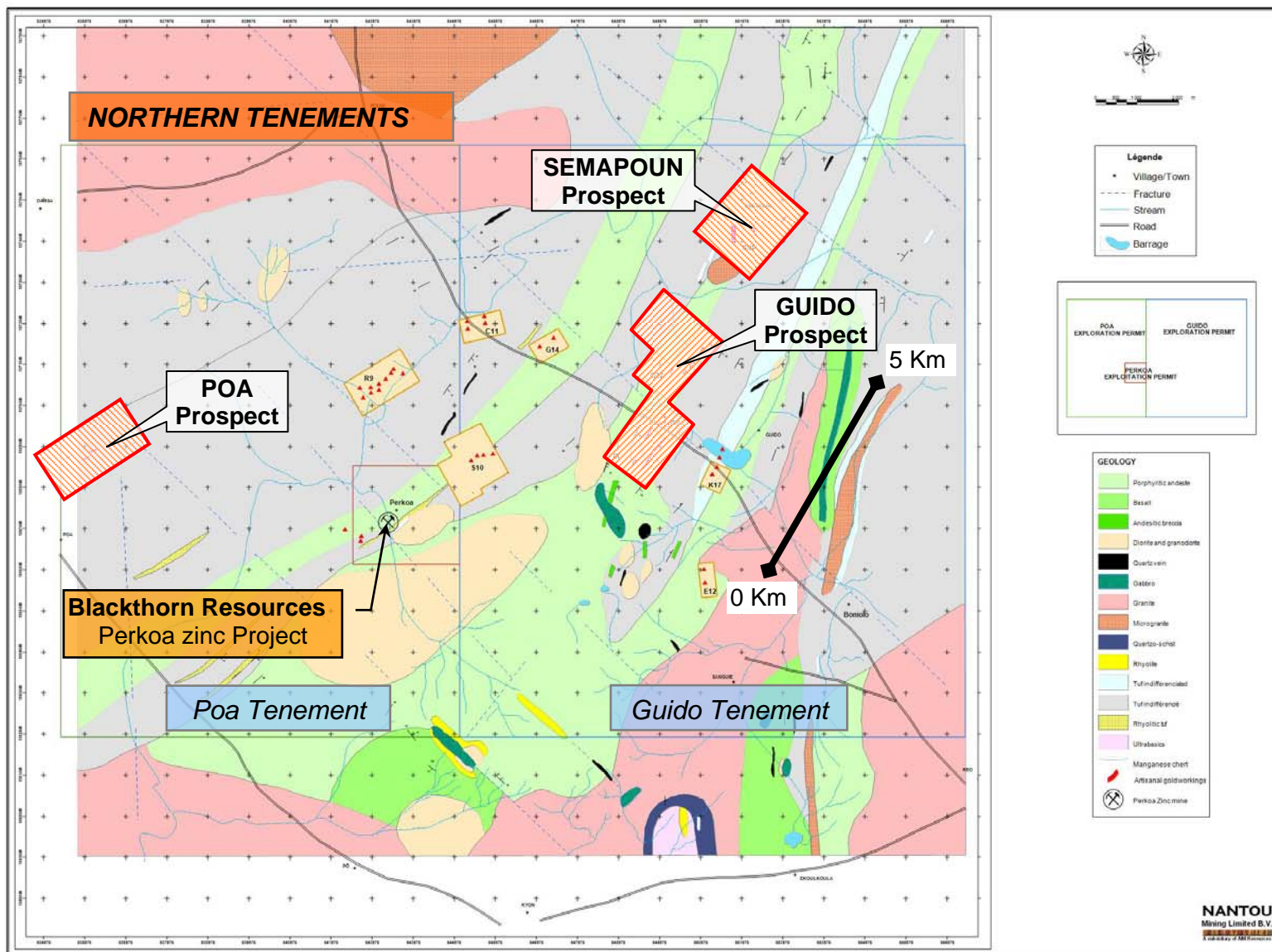


FIGURE 1 – Gold prospect location plan showing 5km strike length of GUIDO Prospect where current diamond-core drilling has been focussed.

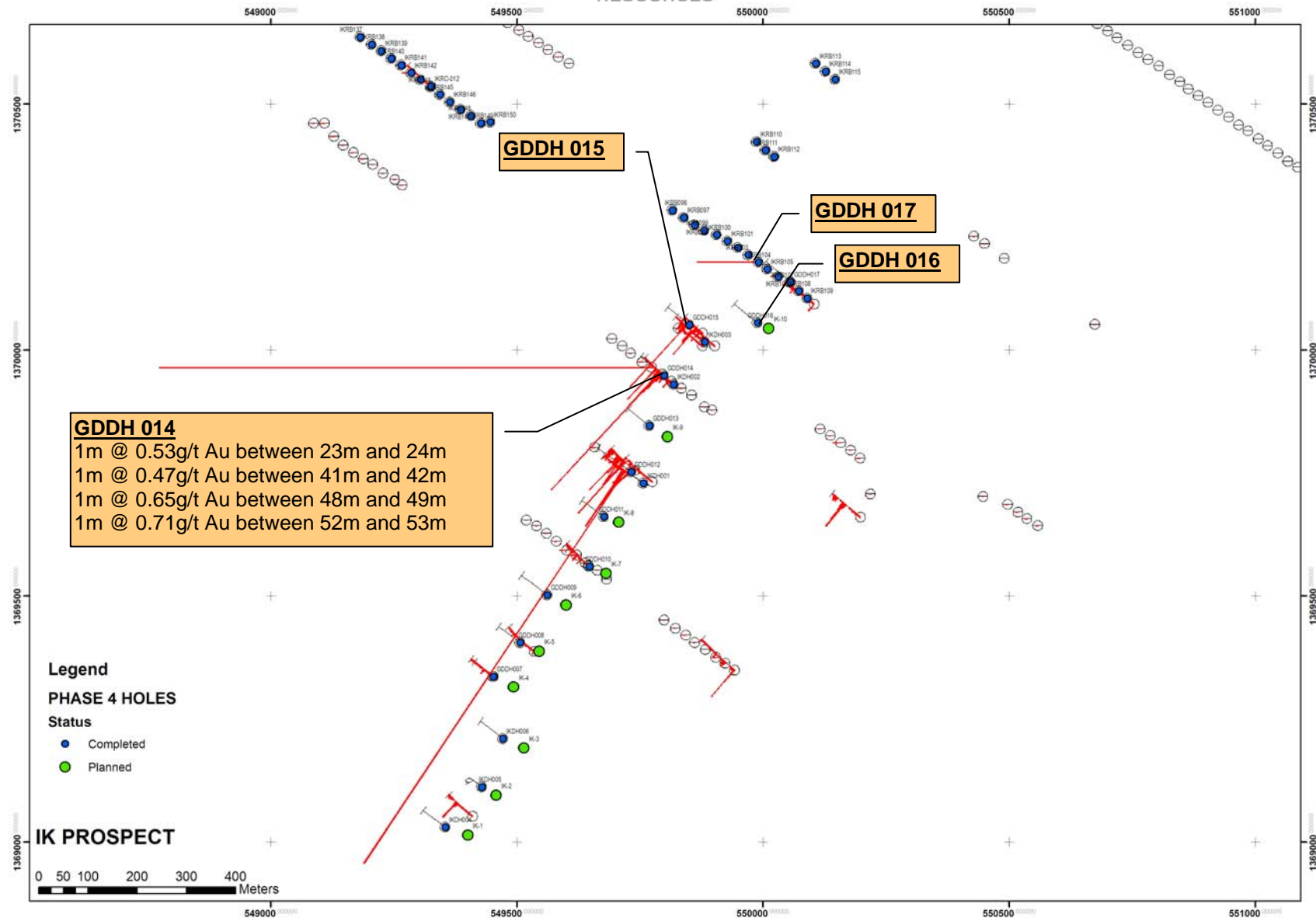


FIGURE 2 – Drillhole location plan showing drill collars and results from recent diamond-core drilling on the IK corridor on the GUIDO Prospect

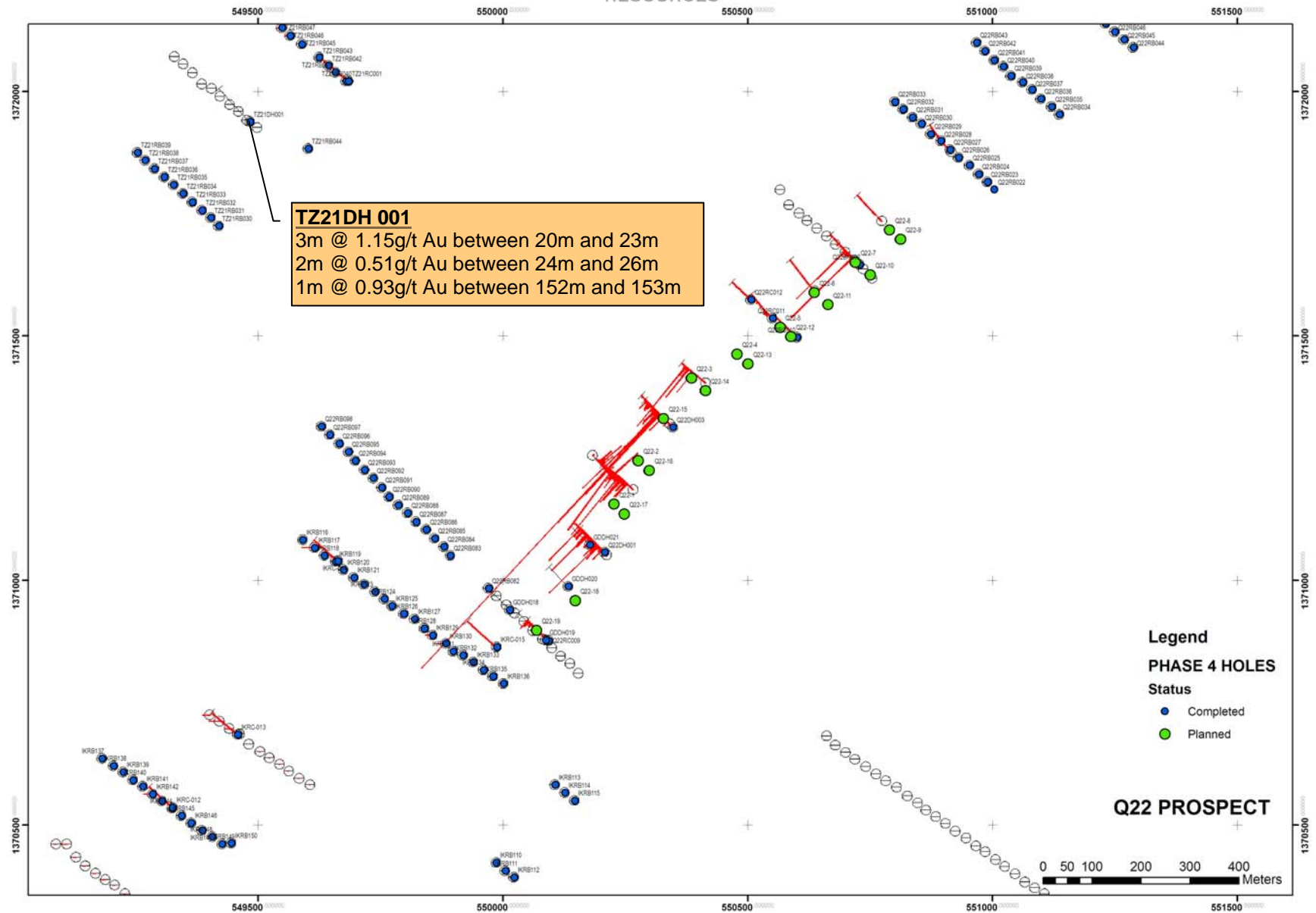


FIGURE 3— Drillhole location plan showing drill collars and results from recent diamond-core drilling on the TZ21 corridor on the GUIDO Prospect. Ends