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File Code: 5031

6 October 2008

Records Officer
Mineral Resources Group
Minerals and Energy Resources
7th Floor, 101 Grenfell Street
ADELAIDE SA 5000

Via email

Dear Madam

RE: EXPLORATION LICENCE 3891

We seek to lodge this letter as a nil technical report in respect of Exploration Licence 3891 for the year ending 12 August 2008.

Barrick Gold of Australia Limited (Barrick) is managing exploration on the tenement following the execution of a Farm-in Agreement with the registered holder, Rommark Resources Pty Ltd (Rommark).

We understand that no on ground exploration was conducted on the licence area by Rommark. As Barrick only took over management of the tenement on 25 July 2008, no on ground work was conducted by Barrick prior to the anniversary.

Please do not hesitate to contact the undersigned at gmcbain@barrick.com or on 0417 956 846 if you have any queries.

Yours faithfully
BARRICK GOLD OF AUSTRALIA LIMITED

Gillian McBain
Tenement Consultant

Cc: Rommark Resources Pty Ltd

R2010/00162

R 2010/162

BARRICK GOLD OF AUSTRALIA LIMITED

(ABN 19 008 143 137)

PROJECT 5031

ANNA CREEK JOINT VENTURE PROJECT

EL3891

ANNUAL REPORT & EXPENDITURE

FOR THE PERIOD

13 AUGUST 2008 – 12 AUGUST 2009

TECHNICAL REPORT No. 1296

MAP SHEETS: 1:250,000 – SG 5303 (Warrina)

DISTRIBUTION:

1. BGAL – Perth 5031.311
2. BGAL – Archive 5031.311
3. Rommark Resources Pty. Ltd.

Serena Goldsmith
Project Geologist

April 2009

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TABLES

FIGURES

APPENDICES

1.0 SUMMARY

This report details the exploration activities completed within the Anna Creek Joint Venture Project, by Barrick Gold of Australia from 24 July 2008 to 31 March 2009.

The Anna Creek Joint Venture was signed on 24 July 2008 between Rommark Resources Pty Ltd and Barrick Gold of Australia Ltd. Exploration work carried out prior to this was conducted by Rommark Resources.

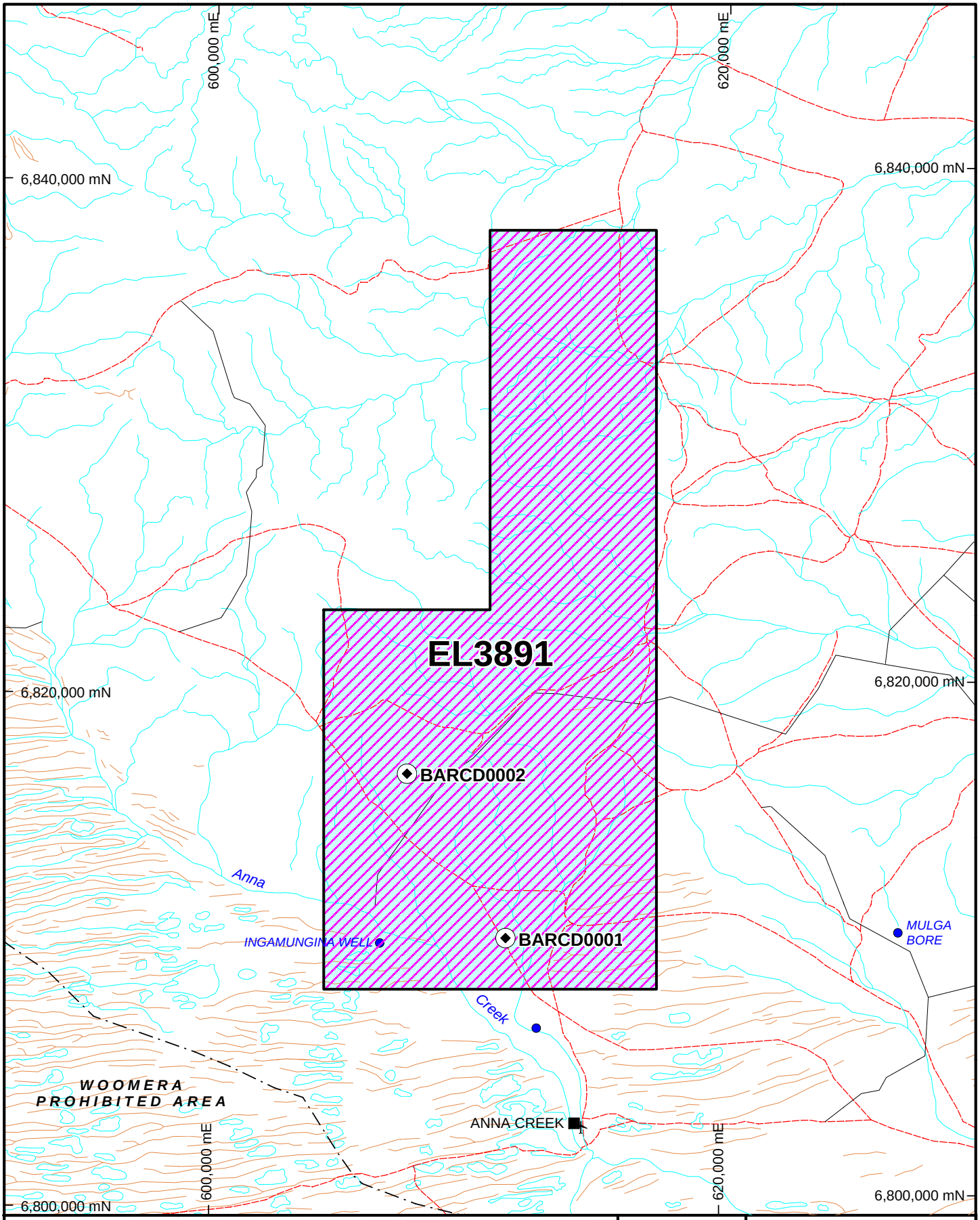
The exploration work consisted of the acquisition of ground gravity data and the drilling of 2 reverse circulation diamond (RCD) drill holes. No significant results were identified. As a result Barrick Gold of Australia has withdrawn from the Joint Venture as of 31 March 2009.

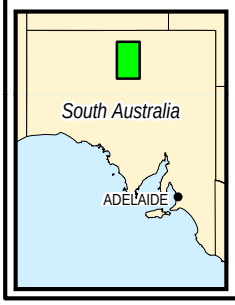
These activities are summarised in Table 1 and detailed in Figure 1.

Table 1
Summary of Exploration Activities – EL3891

Ground Gravity Survey			
No. Stations		**Station Spacing**	
1152		500-250m	
RCD Drilling			
No. Drillholes	**RC Drilling (m)**	**Diamond Core (m)**	**Total metres drilled**
2	338.1	725.01	1063.11

Keywords:
Anna Creek, William Creek, Gawler Craton, Peake and Denison.





Ground Gravity Survey

N

0 2 4 6 8 10

kilometres

BARRICK AUSTRALIA PACIFIC

EXPLORATION INDEX MAP

Project: **5031 - ANNA CREEK JV**

Originator: S.G. Drawn By: W.P.	Projection: MGA Zone 53 (GDA94)	Technical Report No. 1296
Drawn: Mar 2009 Scale: 1 : 200,000	Workspace: I:\australian_projects\active\anna creek jv\tenements\annc_jv_ten.wor	Figure No.: 1

2.0 LOCATION AND ACCESS

The Anna Creek Joint Venture project is located approximately 15km northwest of William Creek in South Australia. The tenement is situated mainly upon Anna Creek Station and partly on The Peake Station, with access to the tenement via the Oodnadatta Track and various station tracks.

The exploration licence occurs on the Warrina (5303) 1:250,000 scale geological map sheet and the Anna Creek (6140) 1:100,000 scale geological map sheets (Figure 2).

3.0 TENURE

The Anna Creek Joint Venture Project area comprises a solitary Exploration Licence (EL3891), as detailed in Table 2 and illustrated in Figure 3.

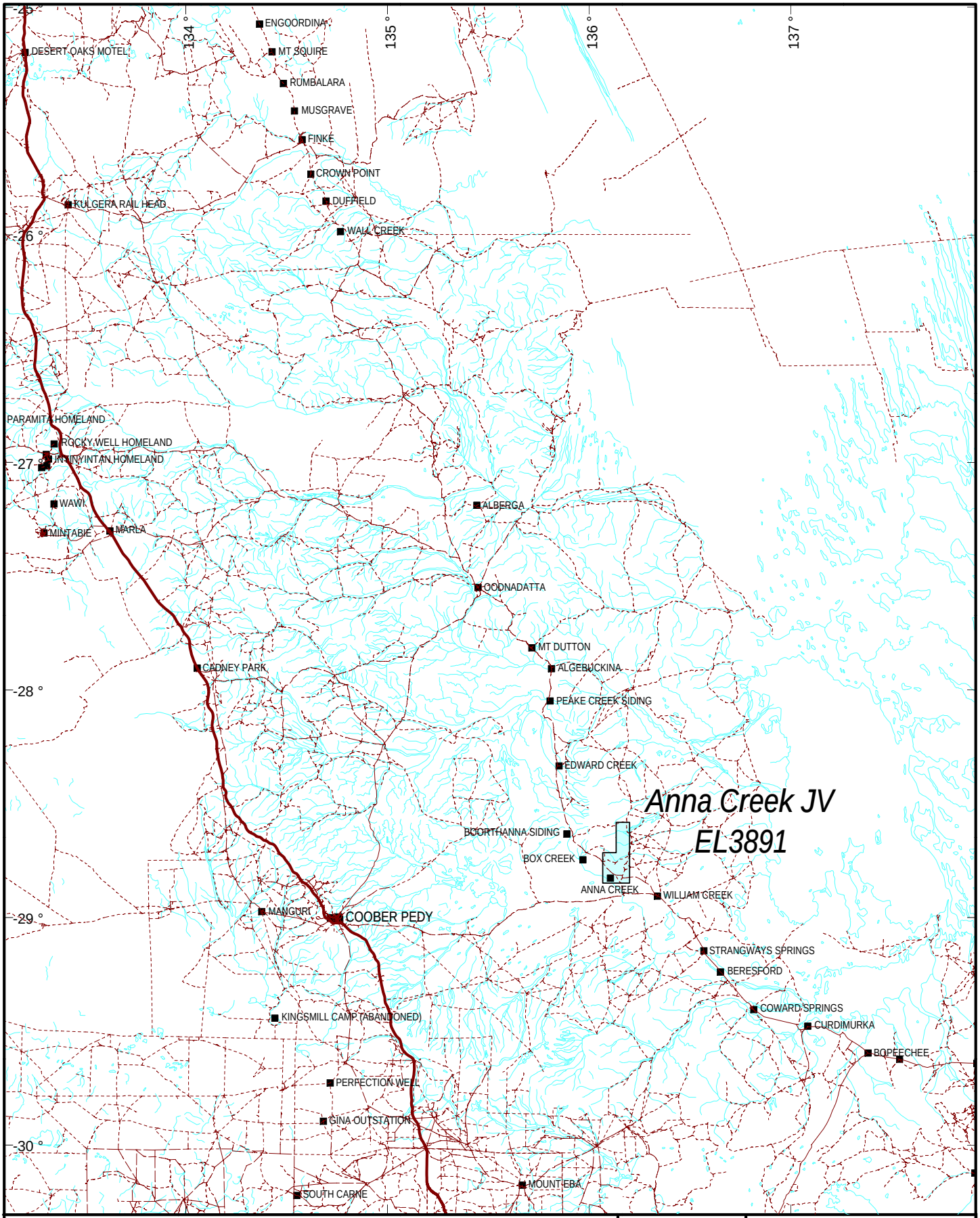
The licence was granted on 13 August 2007 to Rommark Resources P/L over 97km² and is due to expire 12 August 2009.

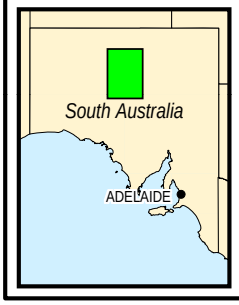
Barrick Gold of Australia Limited is farming into the Anna Creek Joint Venture Project with Rommark under a Letter of Intent dated 24 July 2008.

Barrick Gold of Australia Limited is the operator of exploration.

Table 2
Tenement Register

Licence	Area	Grant	Expire	Expenditure Requirement
EL3891	289km²	13 August 2007	12 August 2009	$60,000





N

0 25 50 75 100 125

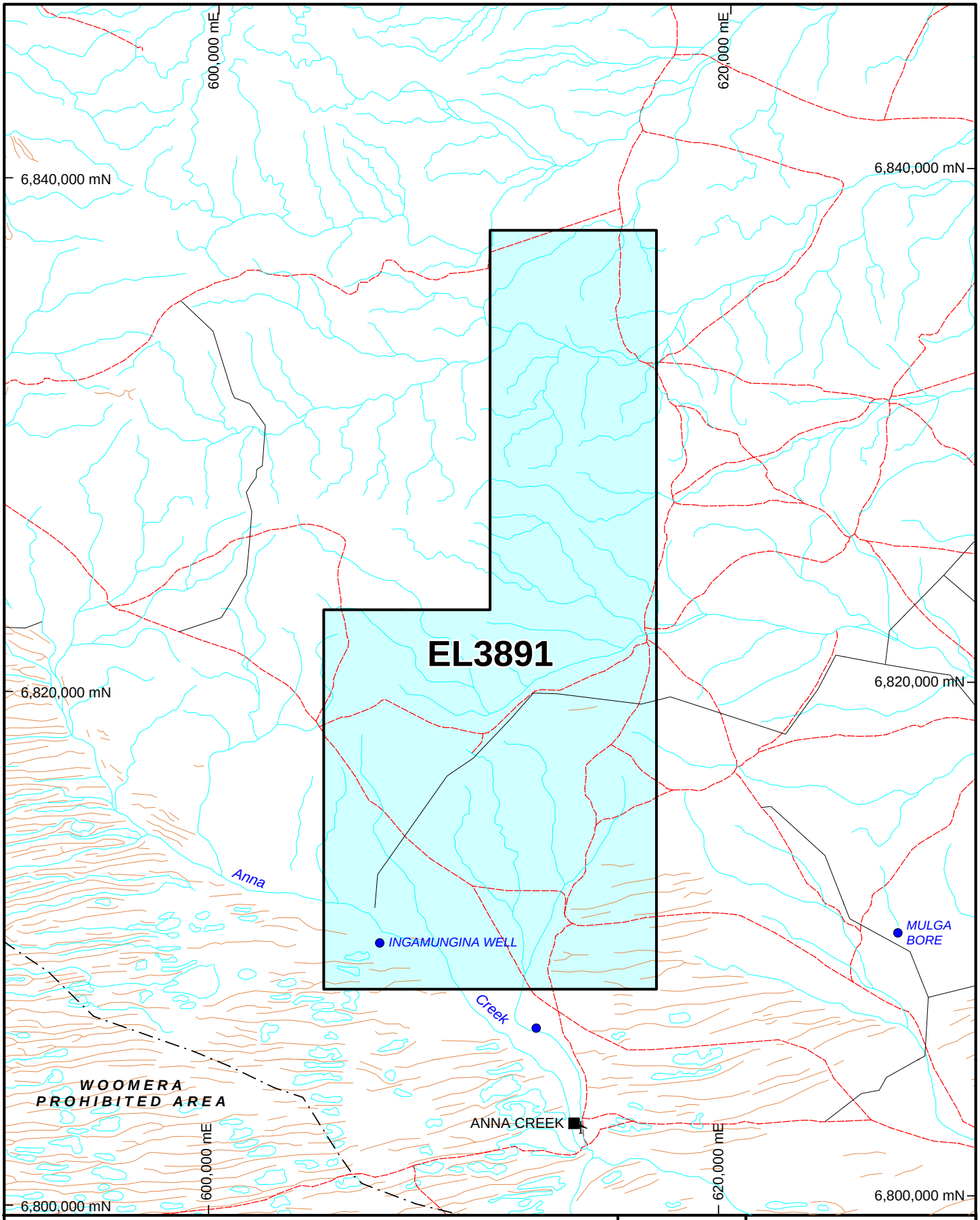
Kilometers

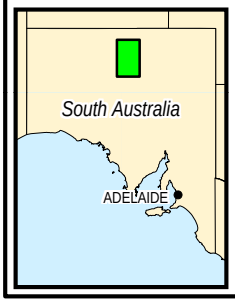
BARRICK AUSTRALIA PACIFIC

LOCATION

Project: 5031 - ANNA CREEK JV

Originator: S.G. Drawn By: W.P.	Projection: Latitude/Longitude (GDA 94)	Technical Report No. 1296
Drawn: Mar 2009 Scale: 1 : 2.5m	Workspace: i:\australian\projects\active\anna creek_jv\tenements\annc_jv_loc	Figure No.: 2





N

0 2 4 6 8 10

kilometres

BARRICK AUSTRALIA PACIFIC

TENEMENT

Project: **5031 - ANNA CREEK JV**

Originator: S.G. Drawn By: W.P.	Projection: MGA Zone 53 (GDA94)	Technical Report No. 1296
Drawn: Mar 2009 Scale: 1 : 200,000	Workspace: I:\australian_projects\active\anna creek jv\tenements\annc_jv_ten.wor	Figure No.: 3

4.0 GEOLOGY

(from Schwarz et al., 2006, Rogers et al., 1996, Drexel and Priess, 1993 and Drexel et al., 1995)

4.1 Regional Geology

The Anna Creek JV Project tenement package lies at the southern end of the Peake and Denison Inlier along the eastern margin of the Gawler Craton, South Australia. The Peake and Denison Inlier comprises quartzite (Baltucoodna Quartzite), amygdaloidal basalts and acid volcanics (Tidnamurkuna Volcanics), and quartz-chlorite-muscovite schists collectively termed the Peake Metamorphics. Ages within the Peake and Denison range from 1780+-12Ma (SHRIMP U-Pb zircon – rhyolite from the Tidnamurkuna Volcanics) to 1793+-8Ma (Wirriecurrie Granite) to 1533+-6Ma (SHRIMP U-Pb zircon – unnamed granites intruding the Peake Metamorphics on the eastern side of the Inlier). The boundaries of the Peake and Denison are defined by faulted and unconformable contacts with overlying Adelaidean sediments. Delamerian folding of Adelaidean sediments has mildly overprinted the basement units (Rogers and Freeman, 1996).

Overlying the basement of the Peake and Denison Domain and making up the bulk of the outcropping ranges are a very thick sequence of Neoproterozoic sediments and basal volcanics which were deformed and intruded by intermediate and basic igneous and volcanic rocks and diapiric structures during the Palaeozoic Delamerian Orogeny. Unconformably overlying the Neoproterozoic sediments is various basin fill sediments of the Jurassic-Cretaceous aged Eromanga Basin including the Cadna-owie Formation and the Bulldog Shale which fringe the outcrops of Neoproterozoic rocks.

Large scale northwest and north northwest trending crustal-scale lineaments occur in the project area (O'Driscolls G2 and G9D lineament corridors) as well as major east-west trending structures which can be observed in the regional geophysics. Associated with these crustal scale lineaments are smaller scale northeast trending structures.

4.2 Local Geology

The project area lies over outcropping Neoproterozoic rocks fringed by Jurassic-Cretaceous aged units of the Eromanga Basin. There are no basement intersecting drillholes within the project area but basement rocks are interpreted to be similar to the Peake Metamorphics of the Peake and Denison Domain.

The Paleoproterozoic rocks are overlain by a very thick sequence of Neoproterozoic Adelaidean sediments and basal volcanics making up the bulk of the outcropping ranges. The main outcropping units within EL3891 comprise the Burra Group and Curdimurka Subgroup. The main units to the south is the Kalachalpa Formation and an underlying unnamed unit comprising mainly feldspathic sandstones, interbedded shales and dolomite. The central and northern part of EL3891 contain outcropping Skillogalee Dolomite which comprise dolomite, siltstone, quartzite and sandstone with minor chert and magnesite, and the Duff Creek Beds which contain fine-grained sandstone, siltstone, stromatolitic dolomite, medium to coarse gritty sandstone and quartzite, and black pyritic shale. These units are intruded by intermediate and basic igneous and volcanic rocks and diapiric structures during the Palaeozoic Delamerian Orogeny.

The Neoproterozoic units are overlain by the Mesozoic aged Eromanga Basin sediments including the Algebuckina Sandstone and the Cadna-owie Formation. The Algebuckina Sandstone is a fluvial unit composed of mainly fine to very coarse quartz sandstone which is disconformably overlain by the Cadna-owie Formation which contains silty and clayey, very fine to medium quartz sandstone with thin interbeds of siltstone and claystone. This unit represents the onset of Early Cretaceous marine transgression, thus forming a transition between the underlying fluvial Algebuckina Sandstone and the overlying marine Bulldog Shale. These units fringe the outcropping Neoproterozoic units within EL3891.

5.0 PREVIOUS EXPLORATION

Previous exploration within the Anna Creek area has been conducted by several companies including Chevron Exploration Corporation, Uranerz Australia Pty Ltd, Western Mining Corp Ltd, CRA Exploration Pty Ltd, Aberfoyle Exploration (including Aston Mining Ltd, Stockdale Prospecting Ltd and Utah Development Co), Electricity Trust of South Australia and Reedy Lagoon Corp Ltd.

- **Chevron Exploration Corp (~1973)**

Chevron Exploration conducted exploration for sedimentary uranium deposits in the early 1970's over the lagoon Hill area. Exploration activities included geological reconnaissance, a shallow reflection seismic survey, geobotanical sampling, water bore sampling and RAB drilling. One drillhole was completed on EL3891 (LHDH-8) however it failed to intersect any anomalous formations. The tenement was therefore relinquished.

- **Uranerz Australia Pty Ltd (~1973-74)**

Uranerz targeted the Anna Creek area for possible unconformity-related hydrothermal plus secondary sandstone-type deposits in the early 1970's. Airborne radiometric surveys were completed with geological inspection of anomalous localities but highlighted no areas of interest. The ground was later relinquished.

- **Western Mining Corp Ltd (~1975)**

WMC explored the Peake and Denison Ranges for Olympic Dam-style Cu-Au mineralisation following the discovery of Olympic Dam in 1975. Exploration activities included stream and rock chip sampling which failed to locate any anomalous areas for either gold or stratiform copper. The tenement was later relinquished.

- **CRA Exploration Pty Ltd (~1982)**

CRA Exploration conducted exploration for base metals and diamond bearing kimberlites over the area as part of the Ruby Hill Project in the early 1980's. Reconnaissance stream sampling highlighted anomalous base metals samples as well as the presence of kimberlitic indicator minerals. A low level aeromagnetic/radiometric survey was completed in an attempt to define the source of the base metals and kimberlitic anomalism. Two magnetic anomalies were drilled within EL3891 for kimberlite exploration (81RHP4-5), both failed to intersect a kimberlitic source. One magnetic anomaly was drilled for base metal exploration and this also failed to intersect a mineralised source. The tenement was later relinquished.

- **Aberfoyle Exploration (Ashton Mining Ltd, Stockdale Prospecting Ltd and Utah Development Co.) (~1982-87)**

Aberfoyle entered into a joint venture agreement with Ashton mining and Stockdale Prospecting Ltd to form the Great Australian Diamond JV in 1982. Exploration activities included EM, SIROTEM and heli-magnetic surveys. A total of five heli-mag targets were RAB drilled but failed to locate a kimberlitic source. It was interpreted that the kimberlitic indicator minerals identified from stream sampling surveys were shedding from a secondary source. Utah Development Co conducted exploration for base and precious metals including extensive sediment and rock chip sampling along stratigraphic traverses, BLEG sampling and geological mapping. Only low order gold, copper and zinc anomalies were recorded from the geochemical sampling. No drilling was conducted on the area covering EL3891. The tenement was later relinquished.

- **Electricity Trust of South Australia (~1990-91)**

Electricity Trust of South Australia targeted the Anna Creek area for Tertiary brown coal within the Walloway Basin in the early 1990's. No anomalous areas were identified and the tenements were relinquished.

- **Reedy Lagoon Corp Ltd (~2002-05)**

Reedy Lagoon explored for diamonds within the area following the previous work by Ashton and Stockdale that recovered nine diamonds and numerous kimberlitic indicator minerals. Exploration activities included reprocessing of aeromagnetic data, re-interpretation, anomaly selection and loam sampling over anomalous areas. The loam sampling results were disappointing and the tenement was allowed to lapse.

6.0 EXPLORATION ACTIVITIES AND RESULTS

Exploration activities conducted on the Anna Creek JV project have all been carried out on the Australian Geodetic Datum 1984 (AGD84) in Zone 53.

Exploration activities carried out within the reporting period involved:

- Ground gravity survey
- RCD (Reverse circulation diamond) drill program testing 2 large gravity-magnetic anomalies

6.1 Ground Gravity Survey

In September 08 Atlas Geophysics acquired ground gravity data over the tenement designed to infill existing regional gravity data collected in 2006. Data were tied to the Australian Fundamental Gravity Network (AFGN) through a local gravity station set-up at the William Creek Hotel. Data was acquired at a station spacing of 500m for the entire tenement with additional 250m infill on the southern part of the tenement only.

Table 3: Ground Gravity Survey Details

Survey	Station Spacing	Total # of Stations
Atlas Geophysics, Sept 08	500m x 500m (250m x 250m infill)	1152

Full Survey details have been included in Appendix 2 including raw observation digital data listed in Appendix 1.

6.2 Reverse Circulation Diamond (RCD) Drilling Program

Two RCD drill holes (BARCD0001 and BARCD0002) were drilled during the reporting period (Table 4), with the collar position shown in Figure 1. The holes were positioned to test gravity with coincident magnetic anomalies.

The reverse circulation pre-collar and diamond drilling was carried out by Boart Longyear using a UDR1000 drill rig. The drilling commenced in November 2008 and was completed in early December 2008.

Samples were dispatched to Genalysis laboratories for preparation in Adelaide and assaying in Perth. Nominal 4m composite samples were assayed from the reverse circulation pre-collar. Diamond core was 1/2 cut with nominal 2m composite samples collected. All RC and diamond core was sampled.

All samples were submitted for analysis. Each sample was assayed for gold by 50g FA with AAS finish and a 40 element multi element suite (Ag, Al, As, Ba, Bi, Ca, Ce, Co, Cr, Cs, Cu, Fe, Hf, K, La, Li, Mg, Mo, Mn, Na, Nb, Nd, Ni, P, Pb, Rb, S, Sb, Sc, Sn, Sr, Ta, Te, Th, Ti, U, V, W, Zn & Zr) by ICP/MS & ICP/OES.

Table 4: Summary of RCD Drilling Program
Hole Details

Hole	Co-ordinates (AGD84z53)		Azimuth	Dip	RL	RC Pre-collar	Diamond Core	Total Depth (m) EOH
	AGD N	AGD E						
BARCD0001	6810250	611300	360	-90	100	159.9	272.43	432.33
BARCD0002	6816687	607510	360	-90	170	178.2	452.58	630.78

Drill hole BARCD0001 was drilled into the densest part of the gravity anomaly but failed to intersect the targeted Palaeoproterozoic Peake and Denison basement. The hole intersected a thick package of Neoproterozoic sediments including the Kalachalpa Formation conformably overlying the Skillogalee Dolomite. The drillhole finished in the Skillogalee Dolomite at 432.33m. No copper sulphides and just minor pyrite was noted during logging.

Drillhole BARCD0002 was also drilled into the densest part of the gravity anomaly but failed to intersect the targeted Paleoproterozoic Peake and Denison basement. A similar sequence of dense NeoProterozoic rocks intersected in BARCD0001 were identified. The drillhole also finished in the Skillogalee Dolomite at 630.78m.

Geophysical remodelling using specific gravity (SG) data collected from the drill core indicates that the gravity anomalies can both be explained by the thick dense package of Neoproterozoic rocks intersected. This suggests that the Masters and Woodforde gravity anomalies are most probably the result of a thick folded sequence of Neoproterozoic rocks overlying an uplifted/or a palaeo-topographic high of Peake and Denison basement, rather than dense hematite breccias associated with IOCG mineralisation.

No significant intersections were recorded from BARCD0001 or BARCD0002. Summary geological logs for both drillholes are given in Tables 5 and 6. Samples were also collected from both drillholes for petrophysical examination.

TABLE 5: Summary Log BARCD0001			
BARCD0001			
From	To	Stratigraphic Unit	Description
0	4	Quaternary	Clay, sand and gravel
4	8	Weathered Kalachalpa Formation	Weathered sandstone with abundant clay and minor cherty bands
8	93	Kalachalpa Formation	Interbedded, medium-dark grey, fine to medium grained sandstone with siltstone and calcareous sandstone interbeds
93	155	Skillogalee Dolomite	Medium-dark grey, fine to medium-grained sandstone with interbedded siltstone and minor graphitic shale
155	170	Skillogalee Dolomite	Massive white quartzite with minor medium grained sandstone interbedded
170	178	Skillogalee Dolomite	Massive grey medium grained sandstone with minor white quartzite interbeds
178	240	Skillogalee Dolomite	Interbedded medium-dark grey medium to coarse grained sandstone with siltstone and minor graphitic shale
240	433	Skillogalee Dolomite	Interbedded medium grey medium grained sandstone with siltstone and graphitic shale interbeds and minor pebbly poorly sorted sandstone with gritty sandstone

TABLE 6: Summary Log BARCD0002			
BARCD0002			
From	To	Stratigraphic Unit	Description
0	5	Quaternary	Clay and gravel
5	21	Weathered Kalachalpa Formation	Weathered fine sandstone and siltstone, clay rich, with minor hematite staining
21	162	Kalachalpa Formation	White and black quartzite with medium grained sandstone, calcareous sandstone, siltstone and graphitic shale and minor black chert
162	199	Kalachalpa Formation	Interbedded medium-light grey medium grained sandstone and black graphitic shale with varying amounts of coarse grained sandstone and siltstone
199	472	Kalachalpa Formation	Interbedded medium dark to medium light grey medium to coarse grained sandstone with some calcareous sandstone and interbedded siltstone and graphitic shale
472	631	Skillogalee Dolomite	Medium light grey medium to coarse grained sandstone with some clast-supported lithic-rich pebbly sandstone layers and minor siltstone and graphitic shale interbeds

All downhole drilling data, including lithologies, assays, surveys and collar location are included in Appendix 1. The results from the petrophysical examination are given in Appendix 4.

All drillsites were rehabilitated as per PIRSA guidelines. A report detailing the rehabilitation activities was sent to PIRSA on 25 February 2009 and is attached in Appendix 5.

7.0 CONCLUSIONS AND RECOMMENDATIONS

A ground gravity survey over EL3891 was completed to infill the existing regional gravity data collected in 2006. Two targets were selected as possible IOCG related gravity anomalies and were drill tested in late 2008. Both drillholes failed to intersect the targeted Paleoproterzoic Peake and Denison basement instead intersecting a thick dense package of Neoproterozoic rocks. Remodelling of the gravity data from the specific gravity data collected from drill core suggested the gravity anomalies were due to a thick folded package of dense Neoproterozoic rocks overlying an uplifted block of unaltered Paleoproterozoic Peake and Denison basement.

No significant results were identified from the drillholes and Barrick Gold of Australia has withdrawn from the Joint Venture (effective 31 March 2009).

8.0 EXPENDITURE STATEMENT

The expenditure attributable to Exploration Licence 3891 between August 2008 and March 2009 is included in Appendix 6.

9.0 REFERENCES

Drexel, JF, Preiss, WV and Parker, AJ (eds), 1993, *The Geology of South Australia, Vol 1: The Precambrian, South Australia*, Geological Survey, Bulletin 54.

Drexel, JF, and Preiss, WV (eds), 1995, *The Geology of South Australia, Vol 2: The Phanerozoic, South Australia*, Geological Survey, Bulletin 54.

Rogers, PA, *et al.*, 1996, 1:250 000 Geological Series – Explanatory Notes - Warrina – South Australia (SH53-3), Mines and Energy South Australia.

Schwarz, M.P. *et al.,* 2006 *In:* Cooper, B.J. and McGeough, M.A. (Eds), 2006, South Australia mineral explorers guide. Second edn. South Australia. Department of Primary Industries and Resources. Mineral Exploration Data Package, 11 ch. 4.

APPENDIX 1

Appendix 1 - VERIFICATION LISTING FORM

Exploration Work Type	File Name	Format
Office Studies		
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
Report	TR1296_A_2009	PDF
Airborne Exploration Surveys		
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
Other (specify)		
Ground Exploration Surveys		
Geological Mapping		
Regional		
Reconnaissance		
Prospect		
Underground		
Costean		
Ground geophysics		
Radiometrics		
Magnetics		
Gravity	TR1296_Ground_Gravity_Data_Atlas	CSV
Digital terrain modelling		
Electromagnetics		
SP/AP/EP		
IP		
AMT		
Resistivity		
Complex resistivity		
Seismic reflection		
Seismic refraction		
Well logging		
Geophysical interpretation		
Other (specify)		
Geochemical Surveying		
Surface Geochemistry	Tr1296geochem.txt	WA SG3
Stream sediment		
Soil		
Rock chip		
Laterite		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis		
Other (specify)		
Drilling		
Data Dictionary	Data_Libraries_Acquire.mdb	
Collar	Tr1296coll.txt	WA SL3
Assay	Tr1296ass.txt	WA DG3
Survey	Tr1296surv.txt	WA DS3
Lithology	Tr1296lith.txt	WA DL3
Events	Tr1296event.txt	WA DL3
Recovery		WA DL3
Magnetic Susceptibility	Tr1296mag.txt	WA DL3
RQD	Tr1296RQD.txt	WA DL3
SG	Tr1296SG.txt	WA DL3
Translation	L_Translat_Acquire.txt	
Alteration	Tr1296altn.txt	WA DL3
Vein	Tr1296vein.txt	WA DL3
Structure	Tr1296struct.txt	WA DL3
Drill	Tr1296drill.txt	WA DL3

BARRICK GOLD OF AUSTRALIA LIMITED

ACTIVITY SUMMARY TABLE

Project: Anna Creek JV TR1296

Tenements	Drilling					Surface Sampling				Mapping Type & Scale			Geophysics	Compilation Work	
Tenement Group Totals		RCD	MRD	RAB	AC	No.	Auger	BLEG Soil/Lag	Rock Chip	Geology	Regolith	Structure	Type	Data Reviews	
	Holes	2											Ground Gravity	*Open File*	*Annual Report*
	Metres	1063.11													
													Number of Stations	Interpretation	
	Elements	Ag, Al, As, Au, Ba, Bi, Ca, Ce, Co, Cr, Cs, Cu, Fe, Hf, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Rb, S, Sb, Sc, Sn, Sr, Ta, Th, TI, U, V, W, Zn, Zr											1152	*Sections*	
Tenement No. EL3891		RCD	MRD	RAB	AC	No.	Auger	BLEG Soil/Lag	Rock Chip	Geology	Regolith	Structure	Type	Data Reviews	
	Holes	2											Ground Gravity	*Open File*	*Annual Report*
	Metres	1063.11													
													Number of Stations	Interpretation	
	Elements	As above											1152	*Sections*	

APPENDIX 2

Atlas Geophysics Memorandum M2008025

Anna Creek Infill

Barrick Gold of Australia Ltd

Attention: Brendan Howe

Memo completed by:

Mark J Jecks
Geophysicist/Director

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MORLEY WA 6943
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ABN 68 123 110 243

31 October 2008

1.0 Project Brief

Project P2008025 required the acquisition and processing of 1,305 new gravity stations located on tenements held by Barrick Gold of Australia Ltd.

The survey area, named “Anna Creek”, was located on Anna Ck station, a large cattle station located nearby to the town of William Creek, South Australia. Access to the survey area is via the William Creek-Coober Pedy Road or the Oodnadatta Track from Roxby Downs. A network of well used station tracks facilitated access throughout the survey area.

The survey was designed to infill existing gravity data collected as part of the 2006 PIRSA PACE Northern G2 Gravity Survey. Surveying was conducted on a 500m squares, with a selected area conducted at 500m offset (approx 350m effective spacing). For completeness, existing helicopter-borne stations were recollected at no charge. Figure 1 overleaf, contains a station plot of the acquired stations.

Atlas Geophysics Pty Ltd completed the acquisition of the dataset using four wheel drive quad-bikes. Two separate bike crews, supported with a truck and Landcruiser, were utilised to carry out the acquisition.

The survey commenced on the 6th September August 2008. Acquisition was completed on the 16th September 2008.

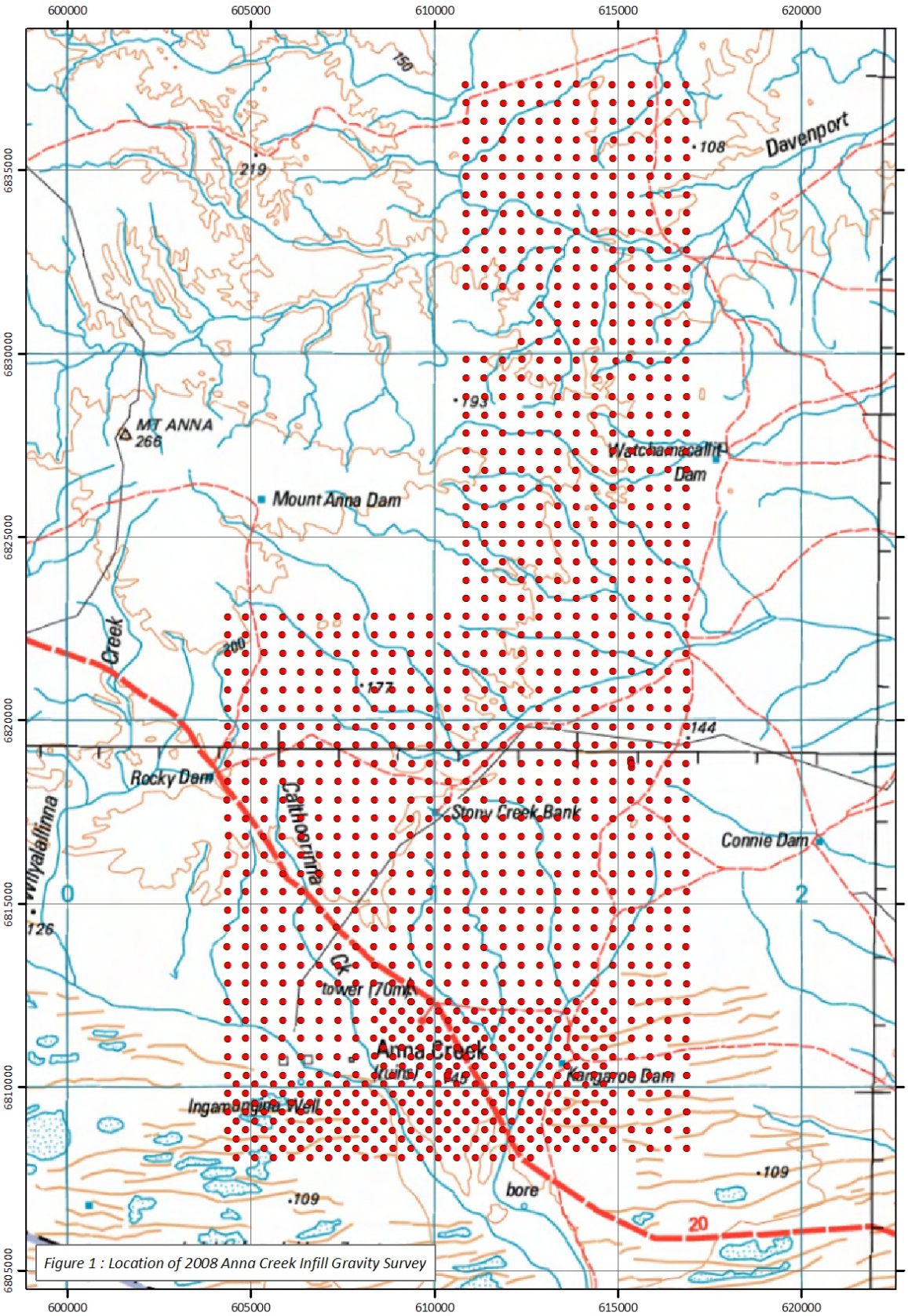


Figure 1 : Location of 2008 Anna Creek Infill Gravity Survey

2.0 Equipment and Instrumentation

The following equipment and instrumentation were used on the survey:

- Two CG5 Autograv Gravity Meter (A1 SN 40240 and A6 SN 40298)
- Three Leica System 1200 GPS/GNSS receivers and Pacific Crest data radios
- Two HP Laptop computers for data download and processing
- One Magellan FX324 autonomous GPS receivers for navigation
- One Iridium satellite phone for long distance communications
- Personal Protective Equipment for all personnel
- Batteries, battery chargers, solar cells, UPS System
- Survey consumables
- Tools, engineering and maintenance equipment for vehicle servicing
- First aid and survival kits
- Tyres and recovery equipment

3.0 Acquisition of the Gravity Data

Gravity data were acquired concurrently with GPS-Glonass data using Scintrex CG5 gravity meters. Data were acquired in a single shift of 10 hours duration, with each shift consisting of a single loop controlled by observations at the gravity control stations. Each loop contained a minimum of two repeated readings so that an interlocking network of closed loops was formed. A total of 4.5% repeats were acquired for quality control purposes. Repeat readings were evenly distributed on a time-basis throughout each of the gravity loops.

GPS data were collected with the Leica GPS operating in post-processed kinematic mode. Centimetre level positions were obtained by processing the recorded data with Waypoint Grafan software. All data were recorded and processed in GDA94/GRS80 coordinates and later transformed to AMG53 coordinates and elevation above AHD.

GPS control was established using AUSPOS connections. An existing Atlas Geophysics gravity control station at William Creek was used to control drift and produce observed gravities. Appendix A contains control station descriptions.

3.1 Formulae used in Processing

The following corrections were applied to the dataset to produce Bouguer Anomalies for each of the gravity stations. All formulae produce values in milliGals. To convert values to SI gravity units (gu) or μms^{-2}, simply multiply by a factor of 10.

***Instrument scale factor*:** This correction is used to correct a gravity reading (in dial units) to a relative gravity unit value based on the meter calibration.

$$r_c = r \cdot S(r)$$

where,

r_c corrected reading in milliGals
r gravity meter reading in dial units
$S(r)$ scale factor (dial units/milliGal)

Earth Tide Correction: As the earth is not a homogeneous sphere, it is subject to variations in gravity due to the gravitational attraction of the Sun and Moon. These background variations can be corrected for using a predictive formula which utilises the gravity observation position and time of observation. The Scintrex CG5 gravity meter automatically calculates ETC but uses only an approximate position for the gravity observation so is not entirely accurate. For this reason, the Scintrex ETC is subtracted from the reading and a new correction calculated within AGRIS software. The full formula is too complex to list here.

$$r_t = r_c + g_{tide}$$

where,

r_t tide corrected reading in milliGals
r_c scale factor corrected reading in milliGals
g_{tide} Earth Tide Correction (ETC) in milliGals

Instrument Drift Correction: Since all gravity meters are mechanical they are all prone to instrument drift. Drift can be caused by mechanical stresses and strains in the spring mechanism as the meter is moved, knocked, reset, subjected to temperature extremes, subjected to vibration, unclamped etc. The most common cause of instrument drift is due to extension of the sensor spring with changes in temperature (obeying Hooke's law). To calculate and correct for daily instrument drift, the difference between the gravity control station readings (closure error) is used to assume the drift and a linear correction is applied.

$$ID = \frac{r_{cs2} - r_{cs1}}{t_{cs2} - t_{cs1}}$$

where,

ID Instrument Drift in milliGals/hour
r_{cs2} control station 2nd reading in milliGals
r_{cs1} control station 1st reading in milliGals
t_{cs2} control station 2 time
t_{cs1} control station 1 time

Observed Gravity: The preceding corrections are applied to the raw gravity reading to calculate the earth's absolute gravitational attraction at each of the GSL's.

$$G_o = g_{cs1} + (r_t - r_{cs1}) - (t - t_{cs1}) \cdot ID$$

where,

G_o Observed Gravity in milliGals
g_{cs1} control station 1 known observed gravity in milliGals
r_t tide corrected reading in milliGals
r_{cs1} control station 1 reading in milliGals

t reading time
t_{cs1} control station 1 time
ID instrument drift in milliGals/hour

Theoretical Gravity: The theoretical gravity value at each GSL is calculated based on the assumption that the Earth is a homogeneous ellipsoid. The 1967 variant of the International Gravity Formula is used to approximate the theoretical gravity at each station location and essentially produce a latitude correction. Gravity values vary with latitude as the earth is not a perfect sphere and the polar radius is much smaller than the equatorial radius. The effect of centrifugal acceleration is also different at the poles versus the equator. The formulae

$$G_t = (9780318.456 \cdot (1 + 0.005278895 \cdot sin^2(l) - 0.000023462 \cdot sin^4(l)))/10$$

where,
G_t Theoretical Gravity in milliGals
l GDA94 latitude at the GSL in decimal degrees

Free Air Correction: Since the gravity field varies inversely with the square of distance, it is necessary to correct for elevation changes from the reference geoid (AHD). Gravitational attraction decreases as the elevation above the reference geoid increases.

$$FAC = (0.308768 - 0.00440sin^2(l)) \cdot h - 0.000001442 \cdot h^2$$

where,
FAC Free Air Correction in milliGals
l GDA94 latitude at the GSL in decimal degrees
h elevation above the reference geoid (AHD) in m

Bouguer Correction: If a gravity observation is made above the geoid, the effect of rock material between the observation and the geoid need to be taken into account. The slab of rock makes a positive contribution to the gravity value. A rock density of 2.67 gm/cc was used in the correction.

$$BC = 0.04191 \cdot \rho \cdot h$$

where,
BC Bouguer Correction in milliGals
ρ rock density (gm/cc)
h elevation above the reference geoid (AHD) in m

Free Air Anomaly: The free air anomaly is the difference between the observed gravity and theoretical gravity that has been computed for latitude and corrected for the elevation of the GSL above or below the geoid.

$$FAA = G_o - G_t + FAC$$

where,
FAA Free Air Anomaly in milliGals
G_o Observed Gravity in milliGals

G_t Theoretical Gravity in milliGals
FAC Free Air Correction in milliGals

Bouguer Anomaly: The Bouguer anomaly is computed from the free air anomaly above by removing the attraction of the slab calculated by the Bouguer correction. The Bouguer anomaly is the most interpretable value derived from a gravity survey (in areas of low relief) as changes in the anomaly can be directly attributed to lateral density contrasts within the geology below the observation point.

$$BA = G_o - G_t + FAC - BC$$

where,
BA Bouguer Anomaly in milliGals
G_o Observed Gravity in milliGals
G_t Theoretical Gravity in milliGals
FAC Free Air Correction in milliGals
BC Bouguer Correction in milliGals

4.0 Results

The Anna Creek survey was carried out with a minimum of fuss and the open, flat terrain allowed for excellent production. There was a short period of downtime due to GPS receiver malfunction and this was not charged out to the client.

Final data have been delivered to a technically excellent standard and are presented both digitally and hardcopy as Appendices to this report.

Repeatability of the data was excellent, with the standard deviation of the elevation repeats 0.04m and the standard deviation of the gravity repeats 0.03 mGals.

4.1 Data Formats

Final reduced ASCII data for the project has been delivered in Barrick format as per client request. Table 2 overleaf details the format of the final gravity database supplied. All fields are comma delimited.

Raw GPS-GNSS and gravity data in their respective native formats have been included on the data DVD as Appendix B. The table (1) below summarises the deliverables.

Final Delivered Data	Format	Data DVD	Hardcopy
Gravity Database	Comma Space Delimited .csv	•	
Raw GPS Data	Atlas *.gps format	•	
Raw Gravity Data	Scintrex CG5 format	•	
Final Grids	ERMapper Grids .ers	•	
Acquisition Memo	PDF .pdf	•	•

Table 1: Final Deliverables

Field Header	Field Description	Format	Units
channel	Description (if necessary)	NA	NA
station	Station number	9999	NA
slope	Slope	NA	NA
time	Local time	hh:mm:ss	seconds
date	Date	dd/mm/yy	NA
elevation	Orthometric height	999.999	m
x	AMG easting (AGD84)	999999.999	m
y	AMG northing (AGD84)	9999999.999	m
long	Longitude GDA94 datum	999.99999999	DD
lat	Latitude GDA94 datum	-99.99999999	DD
gravity	Observed Gravity measured in mGal (ISOGAL84)	999999.999	mGal
tide	Earth tide Correction applied in mGal	99.999	mGal
isostatic_correction	Isostatic Correction (not applied)	NA	NA
faa	Free Air Anomaly calculated in mGal	99.999	mGal
bc267	Bouguer Correction 2.67 gm/cc in mGals	99.999	mGal
ba267	Bouguer Anomaly 2.67 gm/cc calculated in mGal	99.999	mGal
mask	Mask for erroneous points	NA	NA
contractor	Acquisition contractor	NA	NA
ba240	Bouguer Anomaly 2.40 gm/cc calculated in mGal	99.999	mGal
ba220	Bouguer Anomaly 2.20 gm/cc calculated in mGal	99.999	mGal
waste_dump_corr	Not applied	NA	NA

Table 2: Final Gravity Database Format

APPENDIX A
Control Station Descriptions

GRVGPS0004 – WILLIAM CREEK CAMPGROUND

GDA 94		MGA Z53		AMG Z53	
Latitude	-28°54'33.5007"	*Easting*	630,415.903	*Easting*	630,287.139
Longitude	136°20'15.8708"	*Northing*	6,801,326.375	*Northing*	6,801,154.891
Ellipsoidal Height	81.552	*Orthometric Height*	74.683	*Orthometric Height*	74.683

OBSERVED GRAVITY	
mGals	979212.257
GU	9792122.570

Occupation Method/Location Details

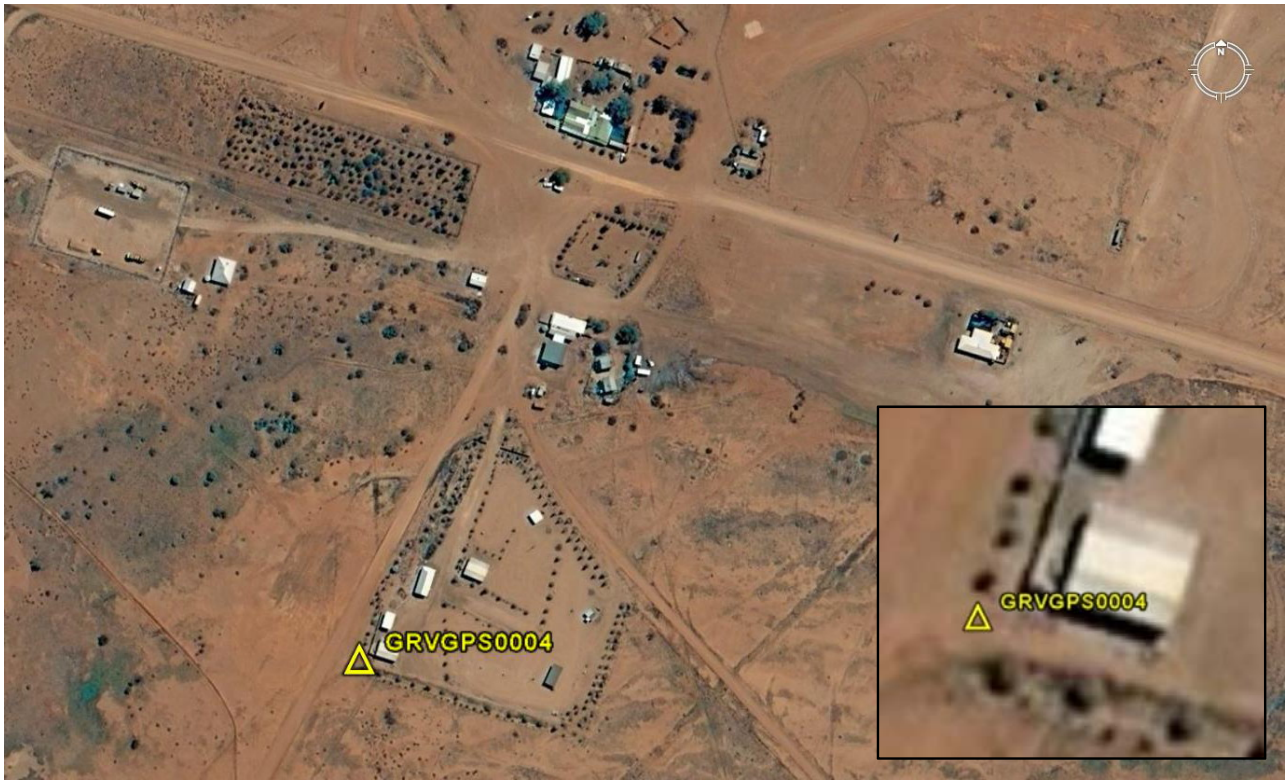
The GPS control point consists of a DTEI supplied brass plaque set in concrete and firmly secured in the ground. Marking the plaque is a DTEI station number: 6140-1077. The gravity control point consists of a small circular (30cm diameter) concrete slab set into the ground, opposite the GPS control point. The control station is witnessed by both an Atlas Geophysics survey plaque and a DTEI plaque attached to a 1.5 metre steel picket placed within 0.5m of the both control points.

Gravity Control was established via ABA loops to AFGN station 1967939308 at the William Creek Hotel. The gravity tie was completed with the gravity meters used for the main survey. Expected accuracy would be better than 0.01mGals.

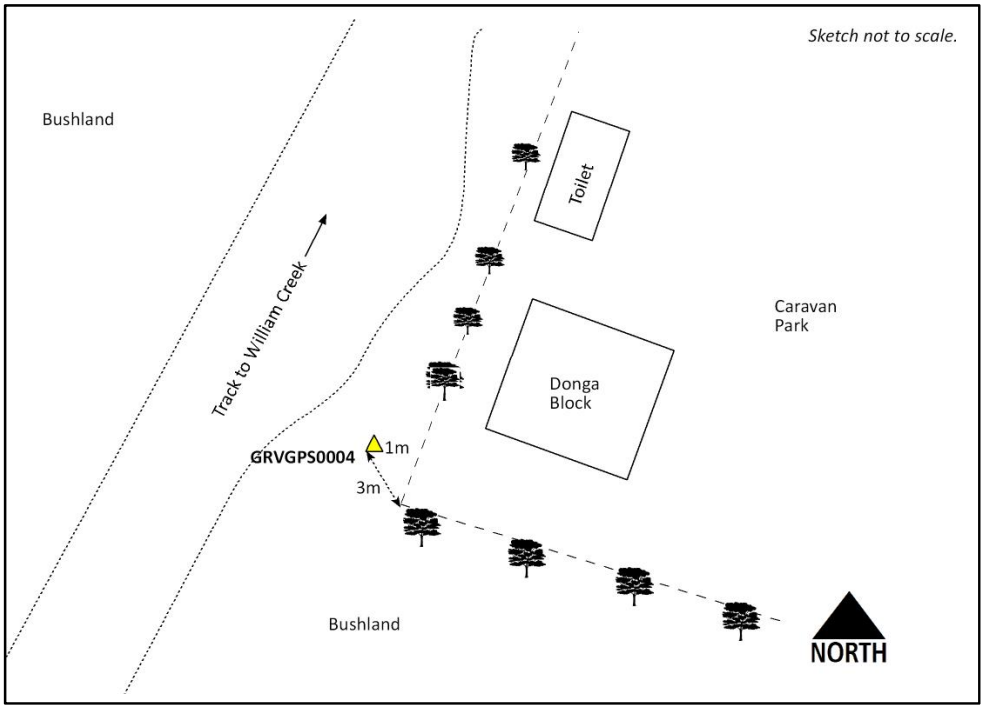
GPS Control was established using AUSPOS. Three separate +10 hour sessions were submitted to AUSPOS's online processing system where returned coordinates were accurate to better than 0.01m.

The station is located opposite a donga accommodation block at the Dingo Creek caravan park and camping ground. The station is located 1m west of the boundary fence of the park. There is corner fence post situated 3m south-east of the control station. Access to the station is via good unsealed road south of the Oodnadatta track.

Photograph of Control Station GRVGPS0004 and surrounds



Location of Control Station GRVGPS0004



Locality Sketch of Control Station GRVGPS0004

GPS0054 – Anna Creek

GDA 94/GRS80		MGA Z53		AMG Z53	
Latitude	-28°48'40.4262"	*Easting*	609,502.066	*Easting*	609,373.320
Longitude	136°07'19.8494"	*Northing*	6,812,411.415	*Northing*	6,812,239.925
Ellipsoidal Height	128.270	*Orthometric Height*	121.519	*Orthometric Height*	121.519

OBSERVED GRAVITY	
mGal ISOGAL84	NA
GU ISOGAL84	NA

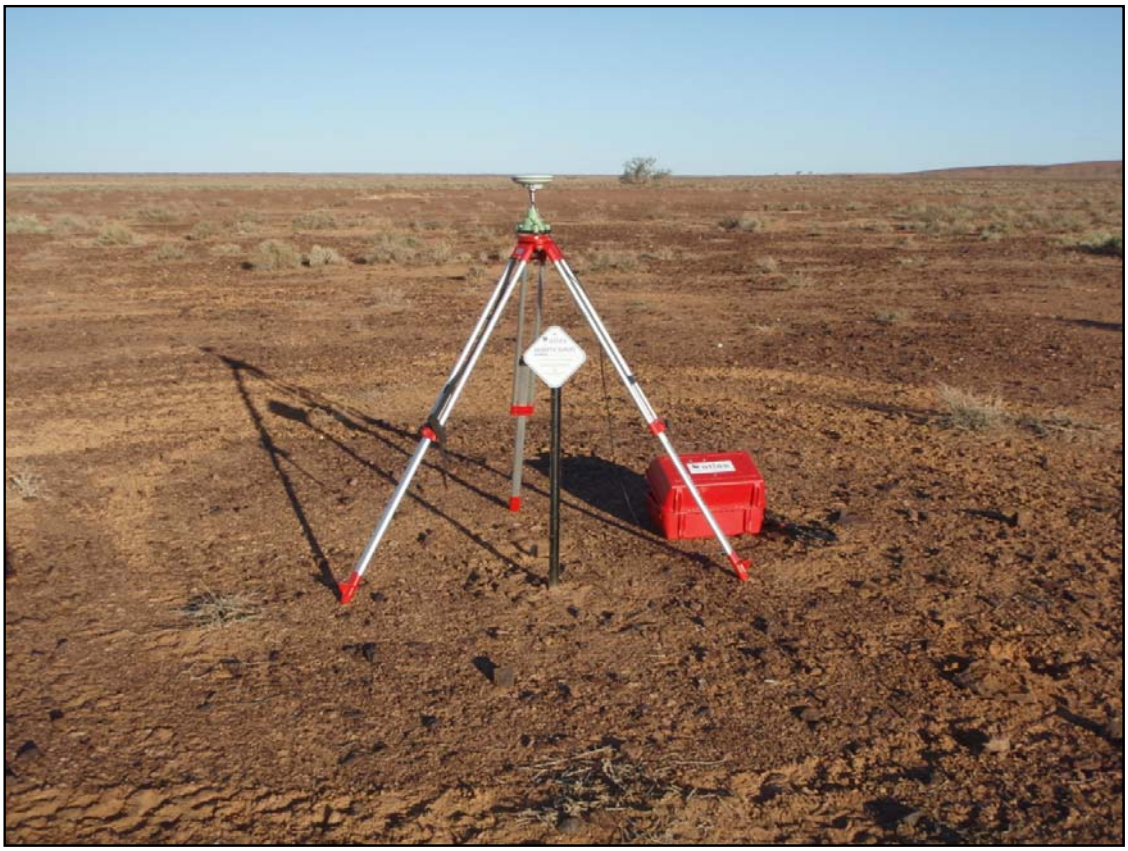
Occupation Method/Location Details

At this control station, the GPS control point consists of a steel picket driven into the ground with approximately 15cm protruding. The control station is witnessed by an Atlas Geophysics survey plaque attached to a 1.5 metre steel picket placed within 0.5m of the both control points.

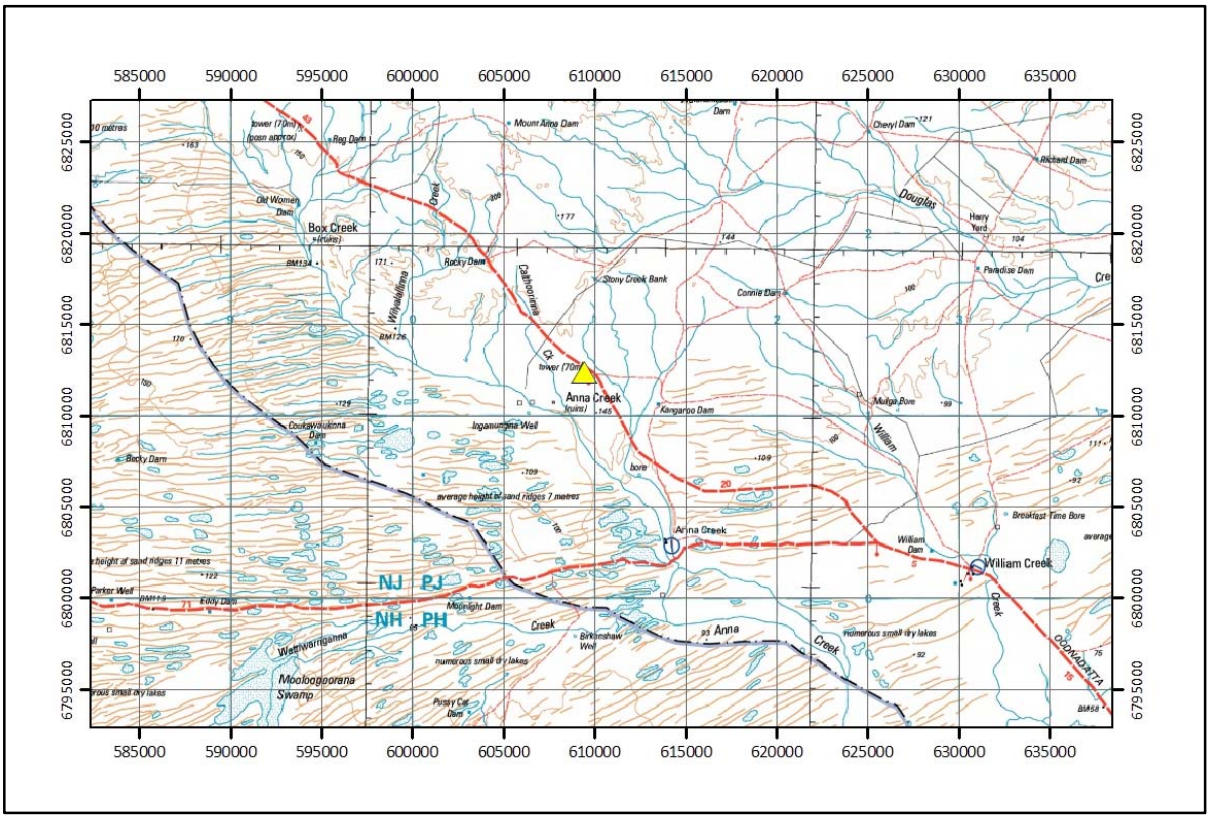
Gravity Control not established at this control station.

GPS Control was established using AUSPOS. Three separate 10 hour sessions were submitted to AUSPOS's online processing system where returned coordinates were accurate to better than 0.01m.

This station is located 50m east of a track running N-S from the Oodnadatta track. To access the station, follow the Oodnadatta Track north-west out of William Creek for approximately 26km. The access track is just east of a road base quarry. Follow the track for 450m and the head east to the control station.



Photograph of Control Station GPS0054 and surrounds



Location of Control Station GPS0054

Locality Sketch of Control Station GPS0054

APPENDIX 3

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0001**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 611300
North: 6810250
Elevation: 100

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 160
Total Depth: **432.33M**

Hole Status: Completed
Start Date: 16/11/2008
End Date: 23/11/2008
Purpose:

Comments: Hole moved ~350m NW to better target the geophysical anomaly from original site-. -90

Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Lithology

Depth	Magsus	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2.																
2		TAQ		PRN	wh			mcg	q	70	goe	10		lht	Kalachalpa Fm		Yellow white quartz rich alluvial transported material, minor goethite, some clay.
4		RUK		PRN	wh			fmg	q	70	ka	30		lht	Kalachalpa Fm		Quartz rich rutile with kaolin clay.
6		RLS		PRN	bn			fmg	goe	30	ka	50		med	Kalachalpa Fm		Goethite stained related with cherty bands, some clay.
8		SSOF		PRN	bn			fg	goe	60	ka	20		med	Kalachalpa Fm		Minor goethite stained scoured with minor hem,,.
10		SCD		PRN	bn			fg	c	50	goe	20		med	Kalachalpa Fm		Moderate oxidised scoured with some gritty SAS bands.
12		SAS	SCD	PRN	bn			fg	c	50	goe	20		med	Kalachalpa Fm		SAS with scoured and minor SCT with some goethite and haematite staining.
14																	
16																	
18																	
20																	
22																	
24																	
26		SSOM	SAS	PRN	yw			fmg	q	50				medd	Kalachalpa Fm		SSOM.
28		SSOM	SAG	PRN	bk			fmg	q	50	g	5		d	Kalachalpa Fm		SSOM.
30																	
32																	
34		SSOM	SAS	PRN	gy			fmg	q	50				medd	Kalachalpa Fm		SSOM with minor SAS some pebbly SSOM.
36																	
38																	

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Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Depth	Magsus	Lithology														
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2.																
42		SSOM	SAS	PRN	gy			fmg	q	50				medd	Kalachalpa Fm		SSOM with minor SAS some pebbly SSOM.
44		SAS	SSOF	PRN	gy			fg	q	50				medd	Kalachalpa Fm		SAS with SSOF interbeds.
46		SSOF	SAS	PRN	gy			fg	q	70				medd	Kalachalpa Fm		SSOF with minor SAS, some pebbly SSOF.
48		SSOF	SAS	PRN	gy			fg	q	70				medd	Kalachalpa Fm		SSOF with minor SAS, some pebbly SSOF.
50		SCD	SSOF	PRN	gy			fg	c	40	q	40		medd	Kalachalpa Fm		Scoured with minor SSOF, some pebbly SSOM.
52		SSOM	SAS	PRN	gy			fmg	q	60				medd	Kalachalpa Fm		SSOM with some SAS, minor pebbly SSOF.
54																	
56		SAS	SSOF	PRN	gy			fg	q	60				medd	Kalachalpa Fm		SAS with minor SSOF, trace pyrite.
58																	
60																	
62		SSOM	SSOF	PRN	gy			fmg	q	60				medd	Kalachalpa Fm		SSOM with minor SSOF and SAS ibedd, some pebbly SSOM.
64																	
66																	
68		SAS	SSOF	PRN	gy			fg	q	60				medd	Kalachalpa Fm		SAS with minor SSOF, minor quartz blebs.
70		SSOM	SAS	PRN	gy			fmg	q	60				medd	Kalachalpa Fm		SSOM with pebby SSOF, some SSOF and SAS.
72																	
74																	
76		SSDM	SSQ	PRN	gy			mg					0	medd	Kalachalpa Fm	msv	Grey SSDM with minor SSQ fr 71-72m, trace pyrite 84-85m.
78																	

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Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Depth	Magsus	Lithology														
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2																
82		SSDM	SSQ	PRN	gy			mg					0	medd	Kalachalpa Fm	msv	Grey SSDM with minor SSQ fr 71-72m, trace pyrite 84-85m.
84																	
86																	
88																	
90																	
92																	
94		SAS	SSOF	PRN	gy			fg							Skillogalee Dm	lyd	Black SAS with SSOF ibedd + trace pyrite (banded).
96																	
98																	
100																	
102		SSOM	SSOF	PRN	gy			fmg							Skillogalee Dm	msv	Grey SSOM with pebbly SST, +q, trace SAS, trace pyrite.
104		SAS	SAG	PRN	bk			fg							Skillogalee Dm	lyd	Black SAS + SAG with pyrite bands, some SSOF.
106		SSOF	SSOB	PRN	gy			fmg							Skillogalee Dm	msv	SSOF with pebbly SST (SSOB) +mn SAS ibedd, trace pyrite.
108		SAG	SAS	PRN	bk			fg							Skillogalee Dm	lyd	SAG with SAS and minor SSOF, minor pyrite in bands.
110																	
112																	
114																	
116																	
118																	

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Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Lithology

Depth	Magsus	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2.																
122		SAG	SAS	PRN	bk			fg							Skillogalee Dm	lyd	SAG with SAS and minor SSOF, minor pyrite in bands.
124																	
126		SSOF	SSQ	PRN	gy			fmg							Skillogalee Dm	msv	SSOF with pink SSQ bands, minor SSOB.
128																	
130		SSOF	SAS	PRN	gy			fg							Skillogalee Dm	ld	Ibedd SSOF and SAS, trace pyrite.
132		SAS	SSOF	PRN	gy			fg							Skillogalee Dm	ld	SAS with some ibedd SSOF, silicified.
134																	
136		SSOF	SAS	PRN	gy			fg							Skillogalee Dm	ld	SSOF with ibed SAS.
138																	
140																	
142																	
144		SSOF	SAG	PRN	gy			fg						med	Skillogalee Dm	msv	SSOF + minor SAG with trace pyrite (<1%).
146																	
148																	
150																	
152		SSOF	SAG	PRN	gy			fg						med	Skillogalee Dm	msv	SSOF + minor SAG with trace pyrite (<1%).
154																	
156																	
158		SSQ	SSOF	PRN	gy			fg						med	Skillogalee Dm	msv	SSQ with silicified very hard SSOF, some banding, ibedd SAG with trace pyrite (<0.5%) (158-160m).

Barrick Gold of Australia - Drillhole Composite Log

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Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Lithology

Depth	Magsus	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2.																
162		SSQ	SSOF	PRN	gy			fg						med	Skillogalee Dm	msv	SSQ with silicified very hard SSOF, some banding, ibedd SAG with trace pyrite (<0.5%) (158-160m).
164																	
166																	
168																	
170		SSOC	SAG		gy			mcg						medd		msv	Massive feldspathic SSOC with very minor clasts of SAG and SAS,,.
172																	
174																	
176																	
178		SSOM	SAS		gy			mg						medd		lyd	Ibedd SSOM and SAS, SSOM contains lithic clasts and quartz gneiss,.
180		SAG	SAS		bk			fg						d		ld	Finely laminated SAG with minor SAS, pyrite bands abund,,.
182		SSOC	SAS		gy			cg						mlht		msv	Poorly sorted, well rounded SSOC (conglomeratic) with minor ibedd SAS, + quartz + feldspars +lithic clasts.
184																	
186		SAG	SSOC		bk			mcg						d		ld	SAG with ibedd SSOC (well rounded, poorly sorted), (SSOC disrupting SAG beds), + minor pyrite in SAG and SSOC.
188		SAG	SAS		bk			fg						d		ld	Ibedd SAG and SAS with minor SSOF, minor pyrite banding.
190		SSOM	SAS		gy			fmg						medd		lyd	Ibedd SSOM with SAS, tc pyrite in sands, SSOM is conglomeratic with quartz and lithic clasts.
192																	
194		SAG	SAS		bk			fg						d		ld	Ibedd SAG with SAS, minor pyrite in blebs not bands.
196		SSOM	SAS		gy			fmg						mlht		lyd	Ibedd SSOM with SAS and minor SAG, SSOM disrupting SAS bands, lithic and rounde quartz gneiss in SSOM.
198		SAG	SAS		bk			fg						medd		ld	Ibedd SAG and SAS, with minor SSOF and tc pyrite.

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Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Lithology

Depth	Magsus	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
202																	
204		SAG	SAS		bk			fg						medd		ld	lbedd SAG and SAS, with minor SSOF and tc pyrite.
206																	
208		SSOM	SSOF		gy			mg						mlht		msv	Massive SSOM and SSOF, with minor SAS.
		SAS	SAG		bk			fg						d		ld	lbedd SAS and SAG with minor SSOF and tc pyrite.
210																	
212		SSOF	SAS		gy			fg						medd		lyd	lbedd SSOF, SAS and SSOM, dissem pyrite thruout, SSOM quartz rich.
214																	
216		SAS	SAG		bk			fg						medd		ld	lbedd SAS and SAG with minor SSOF.
218																	
220		SSOF	SSOM		wh			fmg						mlht		ind	Silicified grey white SSOF (qztitic?) with SSOM bands, some SAS ibedd.
222																	
224		SAG	SAS		bk			fg						medd		ld	lbedd SAG and SAS with minor SSOF, fractured core, qtzitic SSOF.
226																	
228																	
230		SSOF	SAS		gy			fg						mlht		ld	lbedd SSOF and SAS with minor SAG and pyrite bands + dissem pyrite in SSOF, minor quartz vns.
232																	
234																	
236																	
238		SAG	SAS		bk			fg						d		ld	lbedd SAG and SAS with minor SSOF, minor bands of pyrite, minor quartz vns.
		SAS	SAG		gy			fg						med		lyd	lbedd SAS and SAG with minor SSOF + pyrite rich bands.

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0001**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 611300
North: 6810250
Elevation: 100

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 160
Total Depth: **432.33M**

Hole Status: Completed
Start Date: 16/11/2008
End Date: 23/11/2008
Purpose:

Comments: Hole moved ~350m NW to better target the geophysical anomaly from original site-. -90

Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Depth	Magsus	Lithology														
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2.																
242		SSOC	SSOB		gy			cg						mlht		lyd	lbedd SSOC (w SSOB) and SAS with minor SSOM, clasts include quartz and lithics, well rounded, poorly sorted massive SSOC.
244																	
246																	
248																	
250		SAG	SAS		bk			fg						d		lyd	lbedd SAG and SAS with minor bleby pyrite, minor SSOF.
252		SSOC	SSOB		gy			cg						mlht		lyd	lbedd SSOC (w SSOB) and SAS with minor SSOM, clasts include quartz and lithics, well rounded, poorly sorted massive SSOC.
254		SAS	SAG		gy			fg						medd		ld	lbedd SAS and SAG with trace pyrite (dissem).
256		SSOC	SSOB		gy			cg						mlht		lyd	lbedd SSOC (w SSOB) and SAS with minor SAG, clasts include quartz and lithics, well rounded, poorly sorted massive SSOC.
258																	
260		SSOM	SSOF		gy			fmg						mlht		lyd	lbedd quartz and feldspar rich SSOM and SSOF, minor SAS trace SAG ibedds,,.
262		SAS	SSOF		gy			fg						medd		lyd	lbedd SAS and SSOF with minor SAG.
264		SAG	SAS		bk			fg						d		lyd	lbedd SAG with SAS and minor SSOF, some pyrite bands.
266		SSOF	SAS		gy			fg						medd		lyd	lbedd SSOF with SAS, minor SAG increasing towards base.
268		SSOC	SAS		gy			mcg						medd		lyd	lbedd SSOC and SSOB with SAS,,.
270		SAG	SSOC		bk			mcg						medd		lyd	lbedd SAG and SAS with some SSOC and SSOB (less SSOC than above), + pyrite bands.
272		SAG	SAS		bk			fg						d		ld	lbedd SAG and SAS, minor SSOM.
274		SSOC	SSOB		gy			cg						mlht		msv	Massive SSOC and SSOB with minor SAS interbeds, abund quartz and lithic clasts in SSOB.
276																	
278		SAG	SAS		bk			fg						d		msv	lbedd SAG and SAS with minor SSOM (soft sediment defined structs), minor quartz stkwks.

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0001**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 611300
North: 6810250
Elevation: 100

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 160
Total Depth: **432.33M**

Hole Status: Completed
Start Date: 16/11/2008
End Date: 23/11/2008
Purpose:

Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

Comments: Hole moved ~350m NW to better target the geophysical anomaly from original site-. -90

BARRICK

Depth	Magsus	Lithology														
	.5 1. 1.5 2.	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
282		SAG	SAS		bk			fg						d		msv	lbedd SAG and SAS with minor SSOM (soft sediment defined structs), minor quartz stkwks.
284		SSOC	SAS		gy			cg						medd		lyd	lbedd SSOC with SAS and minor SAG, SSOC is poorly sorted and disrupts SAS bding.
286																	
288		SAS	SAG		bk			fg						d		ld	lbedd SAS and SAg, minor SSOF, tc pyrite.
290		SSOC	SSOM		gy			cg						mlht		ld	lbedd SSOC and SSOM with minor SAS.
		SAS	SAG		gy			fg						d		ld	lbedd SAS and SAG, with minor SSOM increasing towards the base.
292		SAG	SSOC		gy			cg						medd		lyd	lbedd SAG and SSOC, with SAS, increasing SAG towards base.
294																	
296		SAG	SAS		bk			fg						d		ld	lbedd SAG and SAS with minor SSOF some pyrite rich.
298																	
		SSOM	SAG		bk			fmg						medd		lyd	lbedd SSOM and SAG with minor SAS and SSOB.
300		SAS	SAG		bk			fg						d		ld	lbedd SAG abd SAS, very minor SSOF.
302																	
304		SSOC	SAS		gy			cg						mlht		lyd	Interlayered SSOC and SAS with some SSOB and minor SAG, SSOC disrupting SAS/SAG beds,,.
306																	
308		SSOC	SSOB		gy			cg						mlht		msv	Massive SSOC and SSOB with very minor SAS increasing toards base.
310		SAS	SAG		bk			fg						d		ld	lbedd SAS and SAG with minor SSOF, soft sediment defined structs present.
312																	
314		SSOC	SAS		bk			cg						medd		lyd	lbedd SSOC and SAS with minor SAG and SSOF, trace pyrite in SAG.
316																	
		SAS	SAG		bk			fg						d		ld	lbedd SAS and SAG with minor SSOC disrupting bedding.
318		SSOC	SAS		gy			cg						medd		lyd	lbedd SSOC and SAS, minor SAG.
		SAS	SAG		gy			fg						d		ld	lbedd SAS and SAG, trace SSOM.
		SSOC	SAS		gy			cg						medd		lyd	lbedd SSOC with SAS and minor SAG, quartz and lithic clasts in SSOC,,.
		SAG	SAS		bk			fg						d		ld	Finely lbedd SAG and SAS, very minor SSOF,,.

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0001**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 611300
North: 6810250
Elevation: 100

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 160
Total Depth: **432.33M**

Hole Status: Completed
Start Date: 16/11/2008
End Date: 23/11/2008
Purpose:

Comments: Hole moved ~350m NW to better target the geophysical anomaly from original site-. -90

Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Lithology

Depth	Magsus	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
	.5 1. 1.5 2																
		SAG	SAS		bk			fg						d		ld	Finely lbedd SAG and SAS, very minor SSOF,,.
322		SSOC	SSOF		gy			cg						mlht		lyd	lbedd SSOC and SSOF with minor thin SAG beds, SSOC well rounded, poorly sorted massive beds, disrupting SAG in places.
324																	
326																	
328		SAS	SAG		gy			fg						medd		ld	Finely laminated SAS and SAG with minor SSOC (injections disrupting SAG and SAS), soft sediment defined structs present.
330																	
332																	
		SSOC	SAS		gy			cg						mlht		msv	SSOC lbedd with SAS, SSOC poorly sorted, well rounded, quartz and feldspar rich with lithic clasts.
334		SAG	SSOC		gy			fg						medd		lyd	lbedd SAG with minor SSOC layers (sand injections), soft sediment defined structs, SSOC quartz rich.
336		SAS	SAG		gy			fg						medd		ld	Finely laminated SAS and SAG very minor SSOF, quartz vns parallel to bding.
338		SSOC	SAS		gy			cg						mlht		lyd	Massive SSOC with some SAS ibedds, gen coarsing towards base, quartz rich.
		SAG	SAS		bk			fg						medd		ld	Finely laminated SAG and SAS, trace SSOF disrupting bding.
340																	
342		SAS	SSOC		gy			cg						medd		lyd	lbedd SAS and some SAG with SSOC ibedds, SSOC well rounded quartz rich , disrupting SAS and SAG beds.
		SAG	SAS		bk			fg						medd		ld	lbedd SAAG and SAS, quartz vns parallel to banding, minor SSOC towards base.
344		SSOC	SAS		gy			cg						mlht		lyd	lbedd SSOC and SAS with minor SAG (increasing towards base), SSOC well rounded, poorly sorted, quartz, feldspar and lithic clasts.
346		SAG	SAS		bk			fg						d		ld	Finely ibedd SAG and SAS, minor SSOM disrupting banding.
348																	
350		SSOC	SSOF		gy			cg						mlht		lyd	Massive SSOC with SSOF ibeds, some SAS and minor SAG towards top, SSOC quartz and lithic clast rich, disrupting SAS beds.
352		SAG	SSOC		gy			cg						medd		ld	Finely laminated SAG and SAS with some SSOC interbeds, disrupting SAG banding,.
354																	
356		SSOC	SAS		gy			cg						mlht		lyd	Massive SSOC with some SAS interbeds - disrupted by SSOC.
358		SAS	SAG		gy			fg						medd		ld	Finely laminated SAS and SAG, minor SSOM disrupting banding, porous sands (weathered f?), + dissem pyrite in SAG + pyrite in vns.

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0001**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 611300
North: 6810250
Elevation: 100

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 160
Total Depth: **432.33M**

Hole Status: Completed
Start Date: 16/11/2008
End Date: 23/11/2008
Purpose:

Comments: Hole moved ~350m NW to better target the geophysical anomaly from original site-. -90

Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

BARRICK

Lithology

Depth	Magsus (.5 1. 1.5 2.)	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
		SAS	SAG		gy			fg						medd		ld	Finely laminated SAS and SAG, minor SSOM disrupting banding, porous sands (weathered f?), + dissem pyrite in SAG + pyrite in vns.
362		SSOC	SAG		gy			cg						mlht		ld	Massive SSOC with SAG ibeds, (increasing towards top), minor SAS, SSOC contains quartz and lithic clasts, disrupting banding.
		SAS	SAG		bk			fg						medd		ld	Finely laminated SAS and SAG, minor SSOF disrupting banding.
364		SSOC	SAS		gy			cg						mlht		lyd	SSOC ibedd SAS with very minor SAG, SSOC quartz rci, rounded clasts, massive, disrupting SAS banding.
366		SAS	SAG		gy			fg						medd		ld	Finely laminated SAS and SAG, some SSOM intruding,,.
368																	
370		SSOC	SSOF		gy			cg						mlht		lyd	SSOC with some SSOF ibeds, minor SAS and SAG increasing towards base, SSOC contains quartz, feldspar and lithic clasts.
372																	
374		SAS	SAG		gy			fg						medd		ld	Finely laminated SAS and SAG, minor SSOM disrupting banding.
376		SSOF	SAG		gy			fg						medd		lyd	SSOF ibedd with SAg and SAS, some quartz rich bands,,.
378		SAG	SAS		bk			fg						d		ld	SAG with minor SAS, dissem pyrite, minor SSOF.
380		SSOC	SSOF		gy			cg						mlht		lyd	Massive SSOC with SSOF ibed, some SAS and SAG increasing towards the base, SSOC quartz and feldspar rich.
382		SAS	SAG		gy			fg						medd		lyd	Finely ibedd SAS and SAG with some SSOF, minor SSOC towards base,,.
384																	
386		SSOC	SAS		gy			cg						mlht		lyd	Massive SSOc with SAS ibedd, quartz + feldspar + lithic clasts, SAS and SAG increasing towards base.
388																	
390																	
392		SAS	SAG		gy			fg						medd		lyd	Ibedd SAS and SAG with some SSOF and minor thin SSOC injections, SAG increasing towards base,,.
394		SSOC	SAS		gy			cg						mlht		msv	Massive SSOC with some SAS (clasts or ibedd?), poorly sorted, well rounded quartz + feldspar + lithic clasts,,.
		SAG	SAS		bk			fg						medd		ld	Finely laminated SAG and SAS, some SSOF increasing towards base, quartz vns parallel to banding fracturing SAG.
396																	
398		SSOC	SAS		gy			cg						mlht		msv	Massive SSOC and SSOB with SAS ibedd, quartz + feldspar + lithic clasts.
		SAS	SAG		bk			fg						d		ld	Finely ibedd SAS and SAG, minor SSOC injections,,.

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0001**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 611300
North: 6810250
Elevation: 100

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 160
Total Depth: **432.33M**

Hole Status: Completed
Start Date: 16/11/2008
End Date: 23/11/2008
Purpose:

Survey			
Depth	Azimuth	Dip	SurveyType
0	201.10	-85.8	CAMERA

Comments: Hole moved ~350m NW to better target the geophysical anomaly from original site-. -90

BARRICK

Lithology

Depth	Magsus	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description
402		SAS	SAG		bk			fg						d		ld	Finely ibedd SAS and SAG, minor SSOC injections,,.
404		SSOC	SSOF		gy			cg						mlht		lyd	Massive SSOC ibedd with SSOF, minor SAS/SAG bands increasing towards base,,.
406		SAS	SAG		gy			fg						medd		ld	Finely ibedd SAS and SAG with minor SSOC injections and some SSOF layers, pyrite bands and dissem.
408		SSOC	SSOF		gy			cg						mlht		lyd	Massive SSOC ibedd with SSOF, minor SAS/SAG bands increasing towards base,,.
410		SAS	SAG		gy			fg						d		ld	Finely ibedd SAS and SAG with minor SSOF layers.
412		SSOC	SSOF		gy			cg						mlht		msv	Massive SSOC ibedd with SSOF, minor SAS/SAG bands increasing towards base,,.
414		SAS	SSOF		gy			fg						medd		lyd	Ibedd SAS and SSOF, minor SAG + trace pyrite.
416		SSOC	SAS		gy			cg						medd		lyd	SSOC with ibedd SAS, increasing SAS towards base, some SSOF and SAG, SSOC disrupting SAS banding.
418		SSOF	SAS		gy			fg						mlht		lyd	SSOF with SAS ibedd, minor SSOC bands, intermxing of SSOF and SAS in some layers.
420																	
422																	
424		SSOF	SSOC		gy			cg						mlht		lyd	Ibedd SSOF and SSOC with minor SAS and SAG.
426																	
428		SSOC	SSOM		gy			cg						mlht		msv	Massive SSOC with some SSOM and SAS clasts.
430		SSOM	SSOF		gy			fmg						mlht		lyd	SSOM with some SSOC bands, some SSOF, minor SAG,,.
432		SSOF	SAG		gy			fg						med		lyd	Ibedd SSOF and SAG with very minor SSOC, disrupted banding + trace pyrite.
434																	
436																	
438																	

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
2		TCD			red			fg						med		msv	Red ora clays, some q	YA31741	0.01	11	-0.2	5	1	11	-0.1	2.7	48
4		TCQ			wh			mcg						lht		msv	Rounded q pebbles and some k clay										
6		RUK			wh			mg						lht		msv	wh kaol rich clay and angular q grains	YA31742	-0.01	17	-0.2	4	0.6	26	-0.1	1.6	36
8																											
10																		YA31743	-0.01	20	-0.2	3	1.7	18	-0.1	0.4	85
12																											
14		RUG			yw			mg					4	mlht		msv	RUG w mn hem rich bands,	YA31744	-0.01	17	-0.2		1.8	14	-0.1	0.3	39
16																											
18																		YA31745	0.01	33	-0.2		0.7	13	-0.1	0.2	47
20																		YA31746	-0.01	38	-0.2		0.5	8	-0.1	0.4	44
22		SAS		PRN	gn			fg					1	med	Kalachalpa Fm	ld	SAS (some RLS), gy gn SAS w mn RUG and some hm	YA31747	-0.01	49	-0.2		0.4	9	-0.1	0.4	44
24																		YA31748	-0.01	64	-0.2		0.6	18	-0.1	0.8	75
26																		YA31749	-0.01	37	-0.2		1.3	15	-0.1	0.4	44
28																											
30																		YA31750	-0.01	28	-0.2		1.7	11	-0.1	0.9	26
32		SSQ	SCT	PRN	gy			mg					1	lht	Kalachalpa Fm	msv	wh and bk SSQ w SSOM + mn blk SCT, + goe and some hm stainingss										
34																		YA31751	-0.01	39	-0.2		1.8	14	-0.1	0.3	28
36																											
38																		YA31752	-0.01	19	-0.2	2	2.3	12	-0.1	0.4	14

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
42		SSQ	SCT	PRN	gy			mg					1	lht	Kalachalpa Fm	msv	wh and bk SSQ w SSOM + mn blk SCT, + goe and some hm stainingss	YA31753	-0.01	13	-0.2	3	2.4	14	-0.1	1.7	31
44		SSQ	SSOM	PRN	gy			mg					1	lht	Kalachalpa Fm	msv	yw/buff SSQ, msv w mn hm staining	YA31754	-0.01	10	-0.2		3.2	7	-0.1	1.9	9
46																		YA31755	-0.01	16	-0.2	2	2.4	12	-0.1	3.4	27
48		SSQ	SSOM	PRN	gy			mg					1	lht	Kalachalpa Fm	msv	yw/buff SSQ, msv w mn hm staining	YA31756	-0.01	10	-0.2		4.3	5	-0.1	2.5	9
50																		YA31757	-0.01	7	-0.2		4.4	7	-0.1	3.8	11
52																										
54		SSOM	SAS	PRN	red			mg					1	lht	Kalachalpa Fm	msv	bn rd SSOM w mn friable SAS (limited chips) + mn hm staining	YA31758	-0.01	8	-0.2		3	7	-0.1	1.8	14
56																										
58		SSQ		PRN	yw			mg					0	lht	Kalachalpa Fm	msv	yw buff SSQ w mn goe staining, v hard	YA31759	-0.01	17	-0.2		1.8	7	-0.1	0.7	17
60		SSOM	SAS	PRN	red			mg					3	lht	Kalachalpa Fm	msv	yw rd SSOM and SAS, goe and hm ricj, some clay,	YA31760	-0.01	25	-0.2		0.8	7	-0.1		36
62																										
64		SSOF	SCD	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd	gy ibedd SSOF and SCD w mn SSQ,	YA31761	0.01	26	-0.2		1.5	11	-0.1	0.6	37
66																		YA31762	0.03	11	-0.2		3.9	6	-0.1	2.2	17
68		SSQ		PRN	yw			mg					0	lht	Kalachalpa Fm	msv	yw buff SSQ, w mn goe staining	YA31763	0.02	12	-0.2		2.7	12	-0.1	1.4	33
70																										
72																		YA31764	0.03	20	-0.2	2	2.6	24	-0.1	1	40
74		SSDM	SSQ	PRN	gy			mg					0	medd	Kalachalpa Fm	msv	gy SSDM w mn SSQ fr 71-72m, tr py 84-85m,										
76																		YA31765	0.03	14	-0.2		1.9	10	-0.1	0.9	27
78																		YA31766	0.01	13	-0.2		1.5	7	-0.1	0.3	35

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
82		SSDM	SSQ	PRN	gy			mg					0	medd	Kalachalpa Fm	msv	gy SSDM w mn SSQ fr 71-72m, tr py 84-85m,	YA31766	0.01	13	-0.2		1.5	7	-0.1	0.3	35
84																		YA31767	-0.01	14	-0.2		1.5	5	-0.1	0.2	24
86																										
88																		YA31768	0.02	7	-0.2		2.4	6	-0.1	0.6	12
90																										
92																		YA31771	0.01	9	-0.2		2.6	7	-0.1	0.7	12
94																		YA31772	-0.01	11	-0.2		2.9	15	-0.1	1.3	27
96		SSQ		PRN	gy			mg					0	lht	Kalachalpa Fm	msv	gn gy SSQ w mn SSDM, some bdg in SSDM, tr py and hm	YA31773	0.01	11	-0.2		5.7	5	-0.1	769.6	13
98		SSDM	SSQ	PRN	gy			mg					0	medd	Kalachalpa Fm	msv	gy SSDM w mn SSQ fr 71-72m, tr py 84-85m,	YA31774	0.02	14	-0.2		1.1	13	-0.1	14.7	21
100																										
102																		YA31775	-0.01	16	-0.2		0.7	6	-0.1	4.8	22
104																										
106																		YA31776	0.01	14	-0.2		1.6	10	-0.1	2.4	20
108																										
110																		YA31777	0.03	5	-0.2		2.1	6	-0.1	6	4
112																										
114																		YA31778	0.01	5	-0.2		2.6	9	-0.1	2.7	34
116																										
118																		YA31779	-0.01	7	-0.2		5.1	5	-0.1	10.9	7
		SAS	SSOF	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd	gy ibedd SAS and SSOF, tr py	YA31780	-0.01	16	-0.2		2.2	16	-0.1	3.5	26

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
122		SSDM	SAS	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd	lbedd gy SSDM w mn SAS, tr py	YA31781	0.01	22	-0.2		0.9	6	-0.1	0.5	21
124		SCD	SAS	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd	lbedd gy fg SCD and SAS, mn SAG	YA31782	0.01	25	-0.2		1.2	10	-0.1	1	30
126																											
128																		YA31783	0.02	41	-0.2	11	1.6	20	0.4	1.6	28
130		SSOM	SAS	PRN	gn			mg					0	mlht	Kalachalpa Fm	msv	gn msv SSOM, mn SAS, goe staining poss fract zn 131-132m	YA31784	0.01	14	-0.2	5	2.5	10	0.1	1.5	18
132		SSQ	SSOM	PRN	pk			mg					0	mlht	Kalachalpa Fm	msv	p msv SSQ and SSOM	YA31785	0.02	11	-0.2		3.9	8	-0.1	3.2	9
134																											
136		SSDM	SAG	PRN	gy			mg					0	medd	Kalachalpa Fm	lyd	gy bk SSDM ibedd w SAG and SAS w mn SSOF,	YA31786	0.02	21	-0.2	4	1.2	7	-0.1	0.7	27
138																											
140																		YA31787	0.01	19	-0.2		1.3	9	-0.1	1.3	26
142																											
144																		YA31788	0.01	18	-0.2		1.9	15	-0.1	3.2	38
146																											
148																		YA31789	-0.01	11	-0.2		1.6	7	-0.1	2.5	16
150																											
152																		YA31790	0.01	13	-0.2		1.1	7	-0.1	1.2	16
154		SSQ		PRN	wh			mg					0	lht	Kalachalpa Fm	msv	wh msv SSQ w mn SSDM at top, fractured ground, poss contam from drill bit (162-164m)	YA31791	0.01	11	-0.2		1.6	7	-0.1	10.2	21
156																											
158																		YA31792	0.01	12	-0.2		3	9	-0.1	138.1	15

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
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East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
162		SSQ		PRN	wh			mg					0	lht	Kalachalpa Fm	msv	wh msv SSQ w mn SSDM at top, fractured ground, poss contam from drill bit (162-164m)	YA31792	0.01	12	-0.2		3	9	-0.1	138.1	15
																		YA31793	0.01	8	-0.2		4	7	-0.1	897.2	4
164		SSOM	SAS	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	gy SSOM ibedd SAS and mn SSOF, some py rich bands towards base associated with SAG	YA31794	-0.01	22	-0.2		3.4	27	-0.1	41	99
166																		YA31795	-0.01	15	-0.2		2.7	12	-0.1	15.1	67
168																											
170																		YA31796	-0.01	19	-0.2		1.3	7	-0.1	4.5	31
172																											
174																		YA31797	-0.01	20	-0.2		1.4	6	-0.1	3.3	51
176																		YA31798	0.01	14	-0.2		2	8	-0.1	3.7	39
178																		YA31803	-0.01	14	-0.2		0.3	11	-0.1	0.3	16
180																		YA31804	-0.01	13	-0.2		0.2	10	-0.1		18
182																		YA31805	-0.01	13	-0.2		0.2	7	-0.1		24
184																		YA31806	-0.01	7	-0.2		0.3	9	-0.1		11
186																		YA31807	-0.01	6	-0.2		0.2	12	-0.1	0.2	17
		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	finely ld SAG w mn SAS + py bands and dissem py, some q vns parallel to bdg	YA31808	-0.01	22	-0.2	4	0.5	40	-0.1	0.6	32
188		SSOM	SAS	PRN	gy			mg					0	mlht	Kalachalpa Fm	ld	finely ibedd SSOM and SAS with disrupted bdg, mn SAG in thin bds	YA31809	-0.01	6	-0.2		0.3	12	-0.1	0.2	11
190																		YA31810	-0.01	6	-0.2		0.4	13	-0.1	0.3	16
		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	finely ld SAG w mn SAS + py bands and dissem py	YA31811	-0.01	19	-0.2	3	0.6	38	-0.1	0.5	33
192		SSOM	SSOC	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOM and SSOC w some SSDM bds towards base, mn ibedd SAS	YA31812	-0.01	11	-0.2		0.4	15	-0.1	0.3	19
194																		YA31813	-0.01	7	-0.2		0.4	12	-0.1	0.2	19
196		SAG	SSOM	PRN	bk			mg					0	d	Kalachalpa Fm	lyd	lbedd bk SAG w mn wh SSOM finely ld, some py bands (replacement of SAG bdg?) and dissem	YA31814	-0.01	17	-0.2	3	0.9	36	-0.1	0.4	37
		SSOC	SSOM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SSOM, w mn thin SAS bds,	YA31815	-0.01	10	-0.2	2	0.4	20	0.1	0.3	14
198		SAS	SAG	PRN	bk			fg					0	medd	Kalachalpa Fm	ld	finely ld SAS and SAG w SSOM and SSOF ibedd, py bands and dissem within SSOF and SAS	YA31816	-0.01	9	-0.2	3	0.9	26	-0.1	0.3	23
		SSOC	SSDM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	wh gy SSOC ibedd with SSDM, and mn thin SAS ibedds	YA31817	0.01	7	-0.2		0.5	12	-0.1	0.1	18

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
	.5 1 1.5 2																									
202		SSOC	SSDM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	wh gy SSOC ibedd with SSDM, and mn thin SAS ibedds	YA31818	-0.01	9	-0.2		0.5	10	-0.1	0.1	41
204																		YA31819	-0.01	11	-0.2		0.5	11	-0.1	0.2	17
																		YA31820	-0.01	11	-0.2		0.4	7	-0.1		27
206																		YA31821	-0.01	13	-0.2		0.4	7	-0.1	0.1	25
208		SSOC	SAS	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	wh gy SSOC ibedd w SSDM w increased SAS towards base,	YA31822	-0.01	17	-0.2		0.2	6	-0.1	0.1	23
210																		YA31823	-0.01	20	-0.2		0.2	7	-0.1		21
212																		YA31824	-0.01	12	-0.2		0.1	7	-0.1		37
214		SSOC	SSDM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	more msv SSOC w ibedd SSDM and mn SAS/SAg thin beds, SSOC contains q + f rich clasts	YA31825	-0.01	13	-0.2		0.3	6	-0.1	0.1	18
216																		YA31826	-0.01	7	-0.2		0.2	5	-0.1		10
218																		YA31827	-0.01	8	-0.2		0.3	8	-0.1		18
220																		YA31828	-0.01	14	-0.2		0.4	13	-0.1		31
222																		YA31831	-0.01	17	-0.2		0.3	10	-0.1		38
		SSOF	SSOM	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOF and SSOM w mn SAS ibedds,	YA31832	-0.01	12	-0.2		0.3	6	-0.1	0.1	34
224		SSOM	SSOF	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	SSOM w mn SSOF ibedd	YA31833	-0.01	11	-0.2		0.2	6	-0.1		29
		SSOM	SSOF	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM w SSOF w mn gritty ibedd.	YA31834	-0.01	8	-0.2		0.1	5	-0.1		10
226																		YA31835	-0.01	6	-0.2		0.2	6	-0.1	0.1	10
228																		YA31836	-0.01	5	-0.2		0.3	8	-0.1	0.3	14
230		SSOM	SSOF	PRN	gy			fmg					0	d	Kalachalpa Fm	lyd	ibedd SSOM w thin wispy SSOF and mn SAS. mn diss py within selected SSOM.	YA31837	-0.01	12	-0.2		0.5	9	-0.1	0.1	18
232																		YA31838	-0.01	9	-0.2		0.3	9	-0.1		19
234		SSOM	SSOF	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM + SSOF w mn ibedd wispy SAS.	YA31839	-0.01	11	-0.2		0.3	9	-0.1		32
236		SSOM	SSOF	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM + SSOF	YA31840	-0.01	16	-0.2		0.2	9	-0.1		48
238																		YA31841	-0.01	12	-0.2		0.3	9	-0.1	0.1	35
		SSOF	SSOM	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOF + SSOM w mn wispy SAS ibedds	YA31842	-0.01	11	-0.2		0.2	13	-0.1	0.2	22

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
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Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
	.5 1 1.5 2																									
242		SSOF	SSOM	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOF + SSOM w mn wispy SAS ibedds	YA31843	-0.01	10	-0.2		0.1	6	-0.1		21
		SSOF	SAS	PRN	gy			fmg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOF w SAS and mn SAG ibedds. diss py within selected SAS layers.	YA31844	-0.01	16	-0.2		0.2	6	-0.1	0.2	30
244		SSOF	SAS	PRN	gy			fmg					0	d	Kalachalpa Fm	lyd	ibedd SSOF w SAS. diss py within selected SAS layers.	YA31845	-0.01	20	-0.2		0.1	7	-0.1	0.2	35
		SSOF	SAS	PRN	gy			fmg					0	d	Kalachalpa Fm	lyd	ibedd SSOF w SAS w mn wispy ibedd s SAG. diss py within selected SAS layers.	YA31846	-0.01	18	-0.2	2	0.4	13	-0.1	0.5	37
246		SSOF	SAS	PRN	gy			fg					0	mlht	Kalachalpa Fm	lyd	Ibedd SSOF and mn SAS w tr py	YA31847	-0.01	10	-0.2		0.2	7	-0.1	0.4	56
		SSOM	SAG	PRN	gy			fmg					0	medd	Kalachalpa Fm	ld	finely ibedd SSOM and SAG w py bands, SSOF disrupts SAG bdg,	YA31848	-0.01	15	-0.2	2	0.5	25	-0.1	0.6	99
248																		YA31849	-0.01	16	-0.2	3	0.6	24	-0.1	0.6	62
250																		YA31850	-0.01	16	-0.2		0.5	21	-0.1	0.6	54
252		SSOF	SAG	PRN	gy			fmg					0	medd	Kalachalpa Fm	lyd	ibedd SSOF and SAG w mn SAS and some SSOM, dissem py thru SSOF, soft sed def structs	YA31851	-0.01	14	-0.2		0.3	14	-0.1	0.5	53
254																		YA31852	-0.01	24	-0.2		0.3	11	-0.1	0.6	42
256																		YA31853	-0.01	32	-0.2	4	0.8	19	-0.1	0.8	62
258		SSOM	SAG	PRN	gy			fmg					0	med	Kalachalpa Fm	lyd	finely ibedd SSOM and SAG w mn SAS, py in bands,	YA31854	-0.01	13	-0.2		0.8	18	-0.1	0.5	44
260		SSDM	SSOF	PRN	gy			mcg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM and SSOF w some wispy SAG and SAS ibedds,	YA31855	-0.01	9	-0.2		0.4	10	-0.1	0.2	25
262																		YA31856	-0.01	13	-0.2		0.3	11	-0.1	0.2	26
264																		YA31857	-0.01	14	-0.2		0.3	9	-0.1	0.2	26
266																		YA31858	-0.01	20	-0.2		0.4	17	-0.1	0.4	43
268		SAG	SSOF	PRN	gy			fg					0	d	Kalachalpa Fm	lyd	ibedd SAG and SSOF w mn SSOM/SSOC, some 3cm thick py bands,	YA31861	-0.01	22	-0.2	3	0.5	27	-0.1	0.6	39
270		SSDM	SSOC	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM w some SSOC + thin SAG beds,	YA31862	-0.01	6	-0.2		0.2	9	-0.1	0.2	70
272																		YA31863	-0.01	8	-0.2		0.2	8	-0.1	0.2	14
																		YA31864	-0.01	11	-0.2		0.4	27	-0.1	0.4	53
274		SSOC	SSQ	PRN	pk			cg					0	lht	Kalachalpa Fm	msv	msv pk SSOC w some SSQ, mn SAS ibedds	YA31865	-0.01	5	-0.2		0.8	6	-0.1	0.1	25
276		SAG	SSOM	PRN	gy			mg					0	d	Kalachalpa Fm	lyd	ibedd SAG and SSOM w some SSOF and dissem py,	YA31866	-0.01	13	-0.2	3	0.9	26	-0.1	0.5	34
278		SSDM	SSOF	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM and SSOF w mn SAS ibedds,	YA31867	-0.01	11	-0.2		0.3	8	-0.1	0.2	14
																		YA31868	-0.01	12	-0.2		0.2	7	-0.1	0.3	14

Barrick Gold of Australia - Drillhole Composite Log

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Pre-collar Depth: 178.2
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Hole Status: Completed
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Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
	.5 1 1.5 2																									
		SSDM	SSOF	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM and SSOF w mn SAS ibedds,	YA31869	-0.01	12	-0.2		0.3	7	-0.1	0.2	19
282		SAG	SSOM	PRN	gy			mg					0	medd	Kalachalpa Fm	lyd	finely ibedd SAG and SSOF, some py bands and mn SAS	YA31870	-0.01	15	-0.2	3	0.4	22	-0.1	0.3	92
																		YA31871	-0.01	17	-0.2	2	0.5	25	-0.1	0.3	28
284		SSDM	SSOF	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	ibedd SSDM and SSOF w mn SAS,	YA31872	-0.01	11	-0.2		0.3	8	-0.1		16
286																		YA31873	-0.01	14	-0.2		0.2	5	-0.1		25
288																		YA31874	-0.01	15	-0.2		0.2	5	-0.1		27
																		YA31875	-0.01	15	-0.2		0.3	8	-0.1	0.2	38
290		SAG	SSOM	PRN	gy			fmg					0	medd	Kalachalpa Fm	lyd	finely ibedd SAG and SSOM w mn SSDM, py bands and dissem, SSOM lenses in SAG, soft sed def structs	YA31876	-0.01	15	-0.2	3	0.5	19	-0.1	0.5	92
292																		YA31877	-0.01	16	-0.2	2	0.9	24	-0.1	0.4	81
294		SSOM	SSDM	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOM and SSDM, mn finely ld wispy SAG and SAS,	YA31878	-0.01	7	-0.2	2	0.2	11	-0.1	0.2	13
		SSDM	SAG	PRN	gy			mg					0	medd	Kalachalpa Fm	lyd	Finely ibedd SSOM and SSDM and SAG, dissem py and bands,	YA31879	-0.01	13	-0.2		0.7	15	-0.1	0.1	19
296		SSOC	SSDM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SSDM w mn SAS, SSOC q and f rich	YA31880	-0.01	10	-0.2		0.3	9	-0.1		16
298		SSOF	SSDM	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOF and SSDM w SAS ibdding and mn SAG, SSOM increase towards base, + dissem py	YA31881	-0.01	14	-0.2		0.3	7	-0.1	0.1	23
300																											
302		SSOM	SAG	PRN	bk			mg					0	medd	Kalachalpa Fm	lyd	lbedd SSOM and SSDM and thin SAG lyrs, w some SAS and SSOC increasing towards base,	YA31882	-0.01	17	-0.2		0.5	16	-0.1	0.2	44
304																		YA31883	-0.01	12	-0.2		0.6	18	-0.1	0.1	21
																		YA31884	-0.01	11	-0.2		0.1	10	-0.1		18
306		SSOC	SSOF	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	Msv SSOC ibedd w mn SSOF and SAS, SAS increasing towards base,	YA31885	-0.01	14	-0.2		0.2	8	-0.1	0.1	20
308																		YA31886	-0.01	12	-0.2		0.3	6	-0.1		17
310																		YA31887	-0.01	10	-0.2		0.1	4	-0.1		17
312																		YA31888	-0.01	4	-0.2		0.2	4	-0.1	0.2	15
314		SSDM	SAG	PRN	gy			mg					0	medd	Kalachalpa Fm	lyd	Finely ibedd SSOM and SSDM and SAG w SAS and some SSOF, py in bands and dissem thru SSOM, mn VQ parallel to bgd	YA31891	-0.01	13	-0.2	2	0.9	26	-0.1	0.3	108
316																		YA31892	-0.01	11	-0.2		0.4	19	-0.1	0.1	22
																		YA31893	-0.01	19	-0.2		0.3	12	-0.1	0.1	28
318		SSOC	SSOF	PRN	wh			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SSOF w SAS and mn SAG wispy ibedd,	YA31894	-0.01	10	-0.2		0.3	8	-0.1	0.1	16
																		YA31895	-0.01	16	-0.2		0.2	6	-0.1		26

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
322																		YA31895	-0.01	16	-0.2		0.2	6	-0.1		26
																		YA31896	-0.01	10	-0.2		0.2	8	-0.1		15
324		SSOC	SSOF	PRN	wh			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SSOF w SAS and mn SAG wispy ibedd,	YA31897	-0.01	9	-0.2		0.2	6	-0.1		11
326																		YA31898	-0.01	15	-0.2		0.4	11	-0.1	0.1	20
328																		YA31899	-0.01	19	-0.2		0.2	7	-0.1	0.2	18
		SAS	SSOF	PRN	gy			fg					0	medd	Kalachalpa Fm	ld	Finely ibedd SAS and SSOF, mn SSOC ibedd	YA31900	-0.01	18	-0.2		0.7	8	-0.1	0.3	23
330		SAG	SSOM	PRN	bk			fmg					0	d	Kalachalpa Fm	lyd	Finely ibedd SAG and SSOM, wispy bdg, py bands in SSOM, mn SAS,	YA31901	-0.01	34	-0.2	4	0.9	23	-0.1	0.5	87
332																		YA31902	-0.01	18	-0.2	3	0.5	19	-0.1	0.5	46
																		YA31903	-0.01	11	-0.2		0.3	7	-0.1	0.2	24
334																		YA31904	-0.01	17	-0.2		0.3	4	-0.1		17
336		SSOC	SSOF	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SSOF w mn SAS and SAG ibedd (thin), SSOC contains q + f + lithic clasts (tr chl rich clasts)	YA31905	-0.01	11	-0.2		0.2	4	-0.1	0.2	13
338																		YA31906	-0.01	3	-0.2		0.2	3	-0.1	0.2	7
340																		YA31907	-0.01	9	0.2		0.2	6	-0.1	0.2	7
		SAG	SSOF	PRN	bk			fg					0	medd	Kalachalpa Fm	lyd	lbedd SAG and SSOF, mn SSOM, py bands and disrupted SAG bds	YA31908	-0.01	21	-0.2	4	0.7	35	-0.1	0.4	101
342																		YA31909	-0.01	14	-0.2		0.4	11	-0.1	0.2	20
344																		YA31910	-0.01	14	-0.2		0.3	6	-0.1		16
346																		YA31911	-0.01	19	-0.2		0.3	5	-0.1	0.2	24
348																		YA31912	-0.01	12	-0.2		0.2	5	-0.1	0.2	21
350		SSOC	SSOF	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SSOF w mn SAS and tr SAG wispy ibedds, SSOC contains q + lithic clasts	YA31913	-0.01	13	-0.2		0.2	6	-0.1	0.2	27
352																		YA31914	-0.01	10	-0.2		0.3	6	-0.1	0.2	12
354																		YA31915	-0.01	10	-0.2		0.3	6	-0.1	0.1	28
356																	lbedd SAG and SSOM w mn SAS, wispy bds, SSOC towards base,	YA31916	-0.01	13	-0.2		0.3	6	-0.1	0.1	29
358																	lbedd SSOC and SAS w mn SSOM, thinly ibedd,	YA31917	-0.01	16	-0.2		0.2	5	-0.1	0.3	17
		SAG	SSOM	PRN	gy			fmg					0	medd	Kalachalpa Fm	lyd	SSOC is q and f rich with lithic clasts	YA31918	-0.01	16	-0.2	2	0.5	16	-0.1	0.3	36
		SSOC	SAS	PRN	gy			fmg					0	medd	Kalachalpa Fm	lyd	Finely ibedd SAG and SSOM w some SSOC										
		SAG	SSOM	PRN	gy			fg					0	medd	Kalachalpa Fm	ld	(increasing towards base), py bands towards top.	YA31921	-0.01	14	-0.2		0.3	9	-0.1	0.2	38

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
362		SAG	SSOM	PRN	gy			fg					0	medd	Kalachalpa Fm	ld	Finely ibedd SAG and SSOM w some SSOC (increasing towards base), py bands towards top,	YA31921	-0.01	14	-0.2		0.3	9	-0.1	0.2	38
																		YA31922	-0.01	31	-0.2	5	0.8	42	-0.1	0.4	53
																		YA31923	-0.01	5	-0.2		0.2	8	-0.1	0.1	32
364		SSOC	SSOM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	Ibedd SSOC and SSOM w mn SAG and SAS wispy ibds, SSOC q rich	YA31924	-0.01	9	-0.2		0.1	7	-0.1		20
																		YA31925	-0.01	8	-0.2		0.2	7	-0.1		24
366																		YA31926	-0.01	15	-0.2		0.2	7	-0.1	0.2	31
		SSOF	SSOC	PRN	gn			mg					0	mlht	Kalachalpa Fm	lyd	ibedd SSOF and SSOC, SSOF w hm and gn (ch?) staining fr 366.86-368.78m,	YA31927	-0.01	20	-0.2		0.2	7	-0.1	0.2	37
368																		YA31928	-0.01	14	-0.2		0.2	7	-0.1	0.2	33
																		YA31929	-0.01	16	-0.2		0.2	5	-0.1	0.3	27
370		SSOC	SSOB	PRN	gn			cg					0	mlht	Kalachalpa Fm	msv	msv SSOC and SSOB (some conglomeratic?), some chl and hm rich clasts towards base,	YA31930	-0.01	9	-0.2		0.1	5	-0.1	0.2	15
372																		YA31931	-0.01	6	-0.2		-0.1	8	-0.1		12
																		YA31932	-0.01	7	-0.2		0.2	7	-0.1	0.1	18
374																											
		SSOC	SSOM	PRN	gy			cg					0	medd	Kalachalpa Fm	lyd	Ibedd SSOC and SSOF w mn SAS bds, q rich SSOC w some lithic clasts	YA31933	-0.01	17	-0.2		0.3	6	-0.1		24
376																		YA31934	-0.01	15	-0.2		0.2	7	-0.1	0.2	24
378																	finely ld SAG and SAS w some vq, parallel to bdg, py in bands, mn SSOF	YA31935	-0.01	11	-0.2		0.2	6	-0.1	0.2	21
		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	Msv SSOC w thin SAS ibedds, well rounded	YA31936	-0.01	24	-0.2	4	0.7	28	-0.1	0.3	53
380		SSOC	SAS	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	SSOC, q rich										
		SSOF	SSOC	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	Ibedd SSOF w some SSOC, and mn SAS, dissem py in SSOF,	YA31937	-0.01	21	-0.2	3	0.4	8	-0.1	0.4	30
382																		YA31938	-0.01	6	-0.2		0.1	4	-0.1	0.2	18
		SSOC	SSOM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	finely ibedd SSOC and SSOM w mn SAS wispy bdg, q rich SSOC	YA31939	-0.01	9	-0.2		0.2	7	-0.1	0.2	14
384																		YA31940	-0.01	9	-0.2		0.2	6	-0.1	0.1	20
386																		YA31941	-0.01	14	-0.2		0.2	6	-0.1	0.1	22
		SSOF	SSOC	PRN	gy			mg					0	mlht	Kalachalpa Fm	lyd	finely ibedd SSOF and SSOC w mn SAS wispy bdg, q rich SSOC, some dissem py and in bands	YA31942	-0.01	13	-0.2		0.3	6	-0.1		23
388																											
390																		YA31943	-0.01	14	-0.2		0.3	6	-0.1		27
																		YA31944	-0.01	14	-0.2		0.1	6	-0.1	0.2	17
392		SSOC	SSOM	PRN	wh			cg					0	mlht	Kalachalpa Fm	msv	MSV SSOC w mn SSOM, and mn SAS thin wispy bds, f rich	YA31945	-0.01	8	-0.2		0.1	4	-0.1	0.2	17
		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	d finely ld SAG and SAS w mn SSOF ibedd,	YA31946	-0.01	23	-0.2	3	0.6	19	-0.1	0.3	34
394		SSOC	SSOF	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	Ibedd SSOC and SSOF w mn SAS (increasing towards base), f rich	YA31947	-0.01	7	-0.2		0.1	4	-0.1	0.2	14
396		SAG	SAS	PRN	bk			fg					0	medd	Kalachalpa Fm	lyd	finely ld SAG and SAS w mn SSOM bds, mn py bands,	YA31948	-0.01	16	-0.2	3	0.5	13	-0.1	0.3	55
		SSOC	SSOF	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	Ibedd SSOC and SSOF w mn SAS bands, dissem py thru SSOC and SSOF and in bands,	YA31951	-0.01	11	-0.2		0.2	7	-0.1	0.2	18
398		SAS	SAG	PRN	gy			fg					0	medd	Kalachalpa Fm	ld	Finely ld SAS and SAG w mn SSOF ibedg, py bands in SAG	YA31952	-0.01	26	-0.2	3	0.5	13	-0.1	0.4	23

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
	.5 1 1.5 2	Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
402		SAS	SAG	PRN	gy			fg					0	medd	Kalachalpa Fm	ld	Finely ld SAS and SAG w mn SSOF ibedg, py bands in SAG	YA31952	-0.01	26	-0.2	3	0.5	13	-0.1	0.4	23
		SSOC	SAS	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOC and SAS w mn SAG wispty bds,	YA31953	-0.01	13	-0.2		0.3	6	-0.1	0.1	16
404		SSOC		PRN	wh			cg					0	mlht	Kalachalpa Fm	msv	Msv SSOC w mn SAS wispy bds, f rich sands,	YA31954	-0.01	4	-0.2		0.1	3	-0.1	0.2	11
																		YA31955	-0.01		0.3		0.1	-2	-0.1	0.1	16
406		SAG	SSOF	PRN	bk			fg					0	medd	Kalachalpa Fm	lyd	lbedd SAG and SSOF w mn SAS, some VQ parallel to bgd, mn py bands,	YA31956	-0.01	30	-0.2	4	0.7	21	-0.1	0.4	35
408		SSOM	SSOC	PRN	gy			mcg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOM and SSOC w mn SAS lyrs, more msv towards base, f rich	YA31957	-0.01	12	-0.2		0.2	9	-0.1	0.2	15
																		YA31958	-0.01	17	-0.2		0.5	4	-0.1	0.2	13
412		SSOC		PRN	wh			cg					0	mlht	Kalachalpa Fm	msv	Mainly msv SSOC (mn ibedd SAS), poorly sorted, well rounded f + q rich clasts,	YA31959	-0.01	3	-0.2		0.4	3	-0.1	0.3	12
																		YA31960	-0.01	5	0.2		0.1	2	-0.1	0.2	18
414		SAS	SAG	PRN	bk			fg					0	medd	Kalachalpa Fm	ld	finely ld SAS and SAG w mn SSOC towards base, some VQ along bdg, py bands	YA31961	-0.01	13	-0.2	3	0.4	14	-0.1	0.3	23
416		SSOM	SSOC	PRN	gy			mg					0	mlht	Kalachalpa Fm	ld	lbedd SSOM and SSOC w mn SSOF, some SAS increasing towards base,	YA31962	-0.01	12	-0.2		0.2	7	-0.1	0.1	10
																		YA31963	-0.01	12	-0.2		0.2	5	-0.1	0.1	7
418		SAS	SSOF	PRN	gy			fg					0	mlht	Kalachalpa Fm	ld	finley ld SAS and SSOF, mn SAG	YA31964	-0.01	19	-0.2		0.2	5	-0.1		21
420		SSOC	SSOM	PRN	gy			cg					0		Kalachalpa Fm	msv	msv SSOC w SSOM increasing towards base, q + f rich with lithic clasts and py clasts	YA31965	-0.01	5	-0.2		0.1	3	-0.1	0.2	11
																		YA31966	-0.01	6	-0.2		0.3	5	-0.1	0.2	16
422		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	finley ld SAG and SAS w mn SSOF ibedd, py rich bands and large clasts,	YA31967	-0.01	27	-0.2	4	0.7	20	-0.1	0.4	39
424		SSOM	SSOC	PRN	gy			mcg					0	mlht	Kalachalpa Fm	msv	ibedd SSOM and mn SSOC w some SAS bands,	YA31968	-0.01	13	-0.2		0.2	5	-0.1	0.2	22
426		SSOC		PRN	gy			mcg					0	mlht	Kalachalpa Fm	msv	msv SSOC w mn SSOM, f and lithic clast rich	YA31969	-0.01	11	-0.2		0.2	4	-0.1	0.2	23
428																		YA31970	-0.01	4	-0.2		0.2	3	-0.1	0.2	26
		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	finley ld SAG and SAS w py bands and mn SSOF layers, some SSOC towards base,	YA31971	-0.01	17	-0.2	2	0.5	14	-0.1	0.3	40
430		SSOC	SAS	PRN	gy			mcg					0	lht	Kalachalpa Fm	msv	msv SSOC and SSOM w f rich clasts, lithics and py grains in coarser layers,	YA31972	-0.01	11	-0.2		0.1	6	-0.1	0.2	17
432		SAG	SAS	PRN	bk			fg					0	d	Kalachalpa Fm	ld	finely ld SAG and mn SAS w SSOF ibeds, py bands	YA31973	-0.01	13	-0.2		0.4	10	-0.1	0.3	31
434		SSOF	SSOC	PRN	gy			fmg					0	mlht	Kalachalpa Fm	ld	lbedd SSOF and SSOC w mn SAS,	YA31974	-0.01	14	-0.2		0.2	7	-0.1	0.2	22
		SAG	SSOF	PRN	bk			fg					0	d	Kalachalpa Fm	lyd	lbedd SAG and SSOF (increasing towards base), py bands and mn SSOM layers	YA31975	-0.01	41	-0.2	5	0.8	19	-0.1	0.7	45
436		SSOC	SSOM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	SSOC w some SSOM ibeds, SSOC f and lithic clast rich	YA31976	-0.01	14	-0.2		0.2	7	-0.1	0.2	20
438																		YA31977	-0.01	7	-0.2		0.2	3	-0.1	0.2	15
		SAG	SSOF	PRN	bk			fg					0	d	Kalachalpa Fm	lyd	sandy bk SAG ibedd w SSOF w mn SAS, py bands abund and soft sed def structs	YA31978	-0.01	15	-0.2	2	0.4	12	-0.1	0.3	29

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:
Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170
Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**
Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
442		SSOC	SSOM	PRN	gy			cg					0	mlht	Kalachalpa Fm	lyd	bands abund and soft sed def structs ibedd SSOC and SSOM, some SAS and SAG thin layers,	YA31981	-0.01	9	-0.2		0.2	7	-0.1	0.2	14
		SAS	SAG	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd		YA31982	-0.01	17	-0.2	4	0.5	15	-0.1	0.3	26
444		SSOC	SSOM	PRN	gy			mcg					0	mlht	Kalachalpa Fm	lyd	lbedd SAS and SAG w some SSOF, finely ld, py bands and dissem	YA31983	-0.01	9	-0.2		0.1	6	-0.1	0.2	13
446																	lbedd SSOC and SSOM, mn wispy SAS layers, f rich clasts,	YA31984	-0.01	2	-0.2		-0.1	3	-0.1	0.2	16
448		SAG	SSOF	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd	finley ibedd SAG and SSOF w some SAS, py bands and some VQ	YA31985	-0.01	14	-0.2	2	0.5	14	-0.1	0.3	27
		SSOM	SSOF	PRN	gy			fmg					0	medd	Kalachalpa Fm	lyd	lbedd SSOM and SSOF, mn SAG wispy bds,	YA31986	-0.01	11	-0.2		0.2	9	-0.1	0.3	18
450		SAS	SAG	PRN	gy			fg					0	medd	Kalachalpa Fm	ld	finely ld SAS and SAG w mn SSOF (increasing towards base), mn py	YA31987	-0.01	16	-0.2		0.3	8	-0.1	0.4	15
																		YA31988	-0.01	20	-0.2		-0.1	8	-0.1		17
452																		YA31989	-0.01	12	-0.2		0.2	8	-0.1	0.1	12
454		SSOM	SSOC	PRN	gy			mcg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOM and SSOC w mn SAS (increasing towards base), f and lithic rich SSOC	YA31990	-0.01	12	-0.2		0.2	6	-0.1	0.2	11
456																		YA31991	-0.01	11	-0.2		0.2	7	-0.1	0.2	9
458																		YA31992	-0.01	13	-0.2		0.2	7	-0.1		17
460		SSOF	SAG	PRN	gy			fg					0	medd	Kalachalpa Fm	lyd	lbedd SSOF and SAG w SAS and mn SSOM increasing towards base, mn VQ	YA31993	-0.01	13	-0.2	3	0.6	20	-0.1	0.3	117
462																		YA31994	-0.01	9	-0.2		0.4	11	-0.1	0.4	26
464		SSOM	SSOC	PRN	gy			mcg					0	mlht	Kalachalpa Fm	lyd	lbedd SSOM and SSOC (generally msv), w mn SAS layers increasing towards base, f rich SSOC and tr py	YA31995	-0.01	11	-0.2		0.2	7	-0.1	0.3	12
466																		YA31996	-0.01	9	-0.2		0.1	8	-0.1	0.4	23
																		YA31997	-0.01	13	-0.2		0.2	9	-0.1	0.6	31
468																		YA31998	-0.01	18	-0.2		0.6	11	-0.1	0.7	28
470		SAS	SAG	PRN	bk			fg					0	medd	Skillogalee Dm	ld	finely ld SAS and SAG w some SSOF, py in bands and dissem, disrupted bdg,	YA31999	-0.01	30	-0.2	3	0.7	23	-0.1	1	42
																		YA32000	-0.01	23	-0.2	3	0.7	21	-0.1	0.6	35
472		SSOF	SAS	PRN	gy			fg					0	mlht	Skillogalee Dm	lyd	finley ibedd SSOF and SAS, mn SSOM,	YA32001	-0.01	16	-0.2		0.2	11	-0.1	0.6	28
474		SSOF	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	finley ibedd SSOF and SAG w some SSOM increasing towards base	YA32002	-0.01	24	-0.2	3	0.5	17	-0.1	0.7	34
476																		YA32003	-0.01	23	-0.2	4	1	20	-0.1	0.7	197
478		SSOM	SSOC	PRN	gy			mcg					0	mlht	Skillogalee Dm	lyd	finley ibedd SSOM and SSOC w intermittent thin SAS and SSOF rich layers,	YA32004	-0.01	11	-0.2		0.3	9	-0.1	0.3	12
		SSOC	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	finley ibedd SSOC and SSOM w mn SAS layers,	YA32005	-0.01	11	-0.2		0.2	6	-0.1	0.3	6

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0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
482		SSOM	SSOC	PRN	gy			mcg					0	mlht	Skillogalee Dm	lyd	finley ibedd SSOM and SSOC w mn SAS layers,	YA32006	-0.01	14	-0.2		0.2	5	-0.1	0.1	12
																		YA32007	-0.01	9	-0.2		0.2	5	-0.1	0.2	7
484		SSOC	SSOM	PRN	gy			cg					0	mlht	Skillogalee Dm	msv	msv SSOC w mn SSOM ibedg,	YA32008	-0.01	6	0.2		0.2	4	-0.1	0.2	7
486		SSOM	SSOC	PRN	gy			mcg					0	mlht	Skillogalee Dm	lyd	lbedd SSOM and thin SSOC bds, mn SAS and SSOF, some thin bands (~5cm) of SAS and SAG finely ld, tr py	YA32011	-0.01	3	0.2		-0.1	3	-0.1	0.1	
488																		YA32012	-0.01	1	-0.2		0.1	3	-0.1	0.1	
490																		YA32013	-0.01	6	-0.2		0.1	7	-0.1	0.1	6
492																		YA32014	-0.01	8	-0.2		0.1	7	-0.1	0.2	5
494		SSOB	SSOC	PRN	wh			cg					0	mlht	Skillogalee Dm	msv	msv SSOB and SSOC, mainly matrix supported but some clast supported towards base, f rich,	YA32015	-0.01	3	-0.2		-0.1	4	-0.1	0.1	4
																		YA32016	-0.01		0.3		0.1	6	-0.1	0.1	3
496		SSOM	SSOF	PRN	gy			mg					0	mlht	Skillogalee Dm	lyd	lbedd SSOM and SSOF w mn SSOC, some SAS ibdg	YA32017	-0.01	12	-0.2		0.1	7	-0.1	0.1	10
498																		YA32018	-0.01	7	-0.2		0.1	6	-0.1	0.1	9
500		SAG	SAS	PRN	bk			fg					0	medd	Skillogalee Dm	ld	finely ld bk SAG w gy SAS, and SSOF, py bands	YA32019	-0.01	9	-0.2		0.2	11	-0.1	0.3	13
		SSOF	SAS	PRN	gy			fmg					0	medd	Skillogalee Dm	lyd	ibedd SSOF and SAS w some SSOM ibds,	YA32020	-0.01	7	-0.2		0.2	9	-0.1	0.3	13
502		SAG	SAS	PRN	bk			fg					0	medd	Skillogalee Dm	ld	finely ld bk SAG w gy SAS, and SSOF, py bands	YA32021	-0.01	8	-0.2		0.5	12	-0.1	0.2	82
504		SSOF	SSOM	PRN	gn			fg					0	mlht	Skillogalee Dm	lyd	lbedd SSOF nad SSOM w mn SSOC layers, some SAG (sandy) ibedg, VQ (~1-2cm thick w py) fr 511m	YA32022	-0.01	7	-0.2		0.3	10	-0.1	0.3	26
506																		YA32023	-0.01	13	-0.2		0.6	18	-0.1	0.6	22
508																		YA32024	-0.01	10	-0.2		0.4	10	-0.1	0.5	10
510																		YA32025	-0.01	6	-0.2		0.3	9	-0.1	0.3	13
512																		YA32026	-0.01	136	-0.2	3	0.9	13	-0.1	0.5	16
514		SAS	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	Finley ibedd SAS and mn SAG, some thin SSOF bds, tr dissem py	YA32027	-0.01	19	-0.2	2	0.5	15	-0.1	0.6	10
																		YA32028	-0.01	15	-0.2	4	0.4	20	-0.1	0.9	18
516		SSOF	SAG	PRN	gy			fmg					0	medd	Skillogalee Dm	lyd	ibedd SSOF and SAG w SSOM and mn SAS ibdg, increased SAG towards base,	YA32029	-0.01	15	-0.2	5	0.5	16	-0.1	0.8	16
																		YA32030	-0.01	12	-0.2	6	0.3	15	-0.1	1.1	20
518		SSQ	SAS	PRN	gy			mg					0	mlht	Skillogalee Dm	lyd	msv SSQ w mn SAS ibedd (v thin wispy bds), mn SAG, tr py	YA32031	-0.01	11	-0.2	3	1	9	-0.1	0.2	7
																		YA32032	-0.01	6	-0.2	2	1.2	10	-0.1	0.2	15

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0	0.00	-88.9	CAMERA

BARRICK

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		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
	.5 1 1.5 2																									
522		SSQ	SAS	PRN	gy			mg					0	mlht	Skillogalee Dm	lyd	msv SSQ w mn SAS ibedd (v thin wispy bds), mn SAG, tr py	YA32032	-0.01	6	-0.2	2	1.2	10	-0.1	0.2	15
																		YA32033	-0.01	13	-0.2	4	1	14	-0.1	0.3	13
524		SAG	SSOF	PRN	bk			fg					0	medd	Skillogalee Dm	lyd	finely ld SAG and SSOF w large VQ (523.24-523.55m), vuggy, bucky VQ	YA32034	-0.01	13	-0.2	6	0.6	16	-0.1	0.5	9
		SSOF	SSOM	PRN	gy			fmg					0	mlht	Skillogalee Dm	lyd	lbedd SSOF and SSOM w some SAS,									
526		SSOC	SSOB	PRN	wh			cg					0	mlht	Skillogalee Dm	lyd	lbedd SSOC and SSOB well rounded, poorly sorted, clast supported, q + f and lithic clast rich	YA32035	-0.01	5	-0.2		0.2	3	-0.1	0.2	3
528																		YA32036	-0.01	1	0.2		-0.1	2	-0.1	0.1	7
530																		YA32037	-0.01		0.2		-0.1	-2	-0.1	0.1	22
		SAS	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	lbedd SAS and SAG w some SSOF mn SSOC, tr py	YA32038	-0.01	8	0.2		0.4	10	-0.1	0.3	16
532		SSOC	SSOB	PRN	wh			cg					0	mlht	Skillogalee Dm	lyd	lbedd SSOC and SSOB w mn SAG and SSOF ibdg, matrix supported ssob, poorly sorted, q +f + lithic clast rich	YA32041	-0.01	3	-0.2		0.2	5	-0.1	0.2	5
534																		YA32042	-0.01	7	-0.2		0.2	5	-0.1	0.3	6
536																		YA32043	-0.01	3	-0.2		-0.1	3	-0.1	0.3	3
538		SAS	SSOF	PRN	gy			fmg					0	medd	Skillogalee Dm	lyd	lbedd SAS and SSOF w mn some SAG increasing towards base, tr py bands, mn ssoc ibds	YA32044	-0.01	8	-0.2		0.3	11	-0.1	0.4	14
540																		YA32045	-0.01	6	-0.2		0.3	9	-0.1	0.4	11
542																		YA32046	-0.01	19	-0.2	3	1.2	20	-0.1	0.7	31
544		SSOB	SSOF	PRN	wh			cg					0	mlht	Skillogalee Dm	lyd	lbedd SSOB and SSOF (ssob clast supported), coarser towards base.	YA32047	-0.01	10	-0.2		0.3	6	-0.1	0.5	10
546																		YA32048	-0.01	2	0.3		-0.1	3	-0.1	0.3	4
548																		YA32049	-0.01		0.3		-0.1	17	-0.1	0.6	5
550		SAS	SSOB	PRN	gy			mg					0	medd	Skillogalee Dm	lyd	lbedd SAS and SAGw some SSOB layers, tr py dissem in SSOF,	YA32050	-0.01	11	0.3		0.2	6	-0.1	0.4	10
																		YA32051	-0.01	9	0.3		0.4	10	-0.1	0.4	24
552		SSOB	SSOM	PRN	wh			cg					0	mlht	Skillogalee Dm	msv	msv SSOB w SSOM matrix, clast supported towards base, lithic clasts rich	YA32052	-0.01		0.3		-0.1	3	-0.1	0.3	7
554		SAG	SAS	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	finely ibedd bk SAG and gy SAS w SSOF ibdg, py bands, sandier towards base	YA32053	-0.01	16	0.2	4	0.7	20	-0.1	0.7	18
556		SSOB	SSOM	PRN	wh			cg					0	mlht	Skillogalee Dm	lyd	lbedd SSOB and SSOM, lithic clast rich, matrix supported, coarser towards base	YA32054	-0.01	12	-0.2		0.1	11	-0.1	0.6	8
																		YA32055	-0.01	5	0.4	2	0.1	7	0.2	0.5	12
558		SAS	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	ld	finely ibedd SAS and SAG w some SSOF, mn SSOM towards base, tr VQ and py	YA32056	-0.01	10	-0.2	3	0.7	11	0.1	0.5	23
		SSOM	SAS	PRN	gy			mg					0	mlht	Skillogalee Dm	lyd	ibedd SSOM and SAS w some SSOC and mn SAG ibdg, tr dissem py,	YA32057	-0.01	12	-0.2		0.1	7	-0.1	0.5	12

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		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
562		SSOM	SAS	PRN	gy			mg					0	mlht	Skillogalee Dm	lyd	ibedd SSOM and SAS w some SSOC and mn SAG ibdg, tr dissem py,	YA32057	-0.01	12	-0.2		0.1	7	-0.1	0.5	12
																		YA32058	-0.01	11	0.2		0.2	7	-0.1	0.3	11
564																		YA32059	-0.01	6	0.2		0.1	7	-0.1	0.5	10
		SAS	SSOF	PRN	gy			fg					0	mlht	Skillogalee Dm	lyd	ibedd SAS and SSOF w mn SAG, tr dissem py	YA32060	-0.01	11	-0.2	4	0.5	8	0.1	0.4	7
566		SSOB	SSOM	PRN	gy			mg					0	mlht	Skillogalee Dm	msv	msv SSOB and SSOC w mn SAS ibdg, clast supported towards base	YA32061	-0.01	5	0.2		-0.1	5	-0.1	0.4	7
		SAG	SAS	PRN	bk			fg					0	d	Skillogalee Dm	lyd	Finely ibedd SAG and SAS w mn SSOF	YA32062	-0.01	7	0.4	3	0.7	6	-0.1	0.3	8
568		SSOB	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOB and SSOF w mn SSOM and SAS/SAG ibdg, coarser towards base, well	YA32063	-0.01		0.2		-0.1	4	-0.1	0.3	12
		SAG	SSOF	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	rounded clasts,	YA32064	-0.01	16	0.3	5	0.7	12	-0.1	0.5	11
570		SSOB	SSOM	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	finley ibedd SAG and SSOF w dissem py in SSOF	YA32065	-0.01	3	0.2		-0.1	5	-0.1	0.4	7
																	ibedd SSOB and SSOM w mn SSOF and SAS layers, tr py bands,	YA32066	-0.01	8	0.2		-0.1	5	-0.1	0.5	10
572		SSOM	SSOC	PRN	gy			mg					0	mlht	Skillogalee Dm	lyd	ibedd SSOM and SSOF w some SSOC layers (increasing towards base), and some SAS	YA32067	-0.01	4	0.2		0.2	4	-0.1	0.4	9
574																		YA32068	-0.01		0.2		0.4	6	-0.1	0.4	8
		SAS	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	ld	Finely ibedd gy SAS and bk SAG w some SSOF ibdg, tr py	YA32071	-0.01	14	0.2	4	0.7	20	-0.1	0.4	17
576																		YA32072	-0.01	8	0.3		0.2	8	-0.1	0.4	7
		SSOM	SSOC	PRN	gy			mcg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOM w SSOC ibdg, +SSOF and SAS/SAG layers,	YA32073	-0.01		0.3		0.1	3	0.1	0.3	6
578		SAG	SSOF	PRN	bk			fg					0	medd	Skillogalee Dm	ld	Finely ibedd SAG and SSOF w mn SAS and SSOC towards base, mn py bands,	YA32074	-0.01	15	0.3	2	0.6	6	-0.1	0.5	9
																		YA32075	-0.01	13	0.3		-0.1	4	-0.1	0.4	1
580		SSOB	SSOM	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOB and SSOM w some SSOF and mn SAS ibds, SSOB clast supported well rounded lithic clast rich	YA32076	-0.01		0.3		-0.1	3	-0.1	0.3	
																		YA32077	-0.01	1	0.3		0.3	2	-0.1	0.2	
582		SSOF	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	ld	Finely ibedd SSOF and SAG w mn SSOM increasing towards base, tr py, sand disrupting SAG bdg	YA32078	-0.01	7	0.3	4	0.7	22	-0.1	0.4	5
		SSOC	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOC and SSOF w mn SAS, tr SAG towards base, f + lithic clast rich	YA32079	-0.01	7	0.2		0.1	12	-0.1	0.4	2
584																		YA32080	-0.01		0.3		-0.1	3	-0.1	0.2	
		SSOB	SSOM	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOB and SSOM w mn SAS layers, q + f + lithic clast rich, clast supported	YA32081	-0.01		0.2		0.2	3	0.1	0.2	6
586																		YA32082	-0.01	7	-0.2		0.2	8	0.1	0.2	7
		SSOM	SSOC	PRN	gy			mcg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOM and SSOC w some SSOF, tr dissem py	YA32083	-0.01	5	-0.2		-0.1	8	-0.1	0.2	5
588		SSOF	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	ld	Finely ibedd SSOF and SAG w tr py bands,	YA32084	-0.01	11	0.2		-0.1	6	0.1	0.3	3
		SSOB	SSOF	PRN	wh			cg					0	mlht	Skillogalee Dm	lyd	Ibedd SSOB and SSOF w mn SAS wispy layers, q + lithic clast rich	YA32085	-0.01	1	0.4		0.3	3	-0.1	0.3	
590		SSOF	SAG	PRN	gy			fg					0	med	Skillogalee Dm	lyd	Ibedd SSOF and SAG (Increasing towards base), mn SSOB and SSOM layers, mn VQ in SAG	YA32086	-0.01	2	0.3		0.3	7	-0.1	0.2	
592																											
594																											
596																											
598																											

Barrick Gold of Australia - Drillhole Composite Log

Hole ID: **BARCD0002**
Project: ANNA CREEK
Tenement: EL3891
Prospect: 5031
Location:
Company:

Map Ref:
Grid: AMG84_53
East: 607510
North: 6816687
Elevation: 170

Hole Type: RCD
Collar Pos: GPS
Pre-collar Depth: 178.2
Total Depth: **631 M**

Hole Status: Completed
Start Date: 24/11/2008
End Date: 2/12/2008 12:38:30
Purpose:
Comments: -90 degree dip

Survey			
Depth	Azimuth	Dip	SurveyType
0	0.00	-88.9	CAMERA

BARRICK

Depth	Magsus	Lithology															Assay Results									
		Lith 1	Lith 2	Age	Colour	Fabric	Fab Int	Grain	Min1	Min1 %	Min2	Min2 %	Oxid	Shade	Strat	Texture	Description	SampleNo	Au ppm	Cu ppm	Ag ppm	As ppm	Mo ppm	Pb ppm	Te ppm	W ppm	Zn ppm
602		SSOF	SAG	PRN	gy			fg					0	med	Skillogalee Dm	lyd	lbedd SSOF and SAG (Increasing towards base), mn SSOB and SSOM layers, mn VQ in SAG	YA32087	-0.01	11	0.2	4	0.6	17	0.1	0.5	11
604		SSOM	SSOB	PRN	gy			mcg					0	mlht	Skillogalee Dm	lyd	lbedd SSOM and SSOF w SSOB layers, mn SAG wispy bds,	YA32088	-0.01		0.3		-0.1	4	0.1	0.2	
																		YA32089	-0.01		0.2		-0.1	3	-0.1	0.2	2
606		SSOF	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	ld	finely ibedd SSOF and SAG w mn SSOM, disrupted bdg,	YA32090	-0.01	6	0.2		0.6	13	-0.1	0.5	5
		SSOB	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	msv SSOB w mn SSOF ibeds, mn SAG ibdg,	YA32091	-0.01	2	0.2		-0.1	4	-0.1	0.3	5
608																		YA32092	-0.01	8	-0.2		-0.1	5	-0.1	0.4	6
610		SSOF	SSOC	PRN	gy			fg					0	mlht	Skillogalee Dm	lyd	ibedd SSOF w mn SSOC layers, some SAG increasing towards base,	YA32093	-0.01	3	0.2		-0.1	4	-0.1	0.4	4
612																		YA32094	-0.01	14	-0.2		-0.1	6	-0.1	0.6	11
614		SSOC	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	ibedd SSOC w SSOF layers, mn SAG in wispy bds	YA32095	-0.01		0.3		-0.1	4	-0.1	0.3	3
616		SSOF	SSOC	PRN	gy			fg					0	mlht	Skillogalee Dm	lyd	ibedd SSOF w mn SSOC layers, mn SAG in wispy bds,	YA32096	-0.01	6	0.2		0.3	6	-0.1	0.4	6
		SAG	SSOF	PRN	gy			fg					0	medd	Skillogalee Dm	ld	finely ibedd SAG and SSOF w mn SSOC	YA32097	-0.01	21	-0.2	7	0.6	26	-0.1	0.9	27
618		SSOC	SSOM	PRN	gy			cg					0	mlht	Skillogalee Dm	msv	msv SSOC w SSOM matrix, mn SAG increasing towards base,	YA32098	-0.01	3	0.3		-0.1	6	-0.1	0.3	8
		SSOF	SAG	PRN	gy			fg					0	med	Skillogalee Dm	ld	finely ld SSOF and SAG	YA32101	-0.01	4	0.2		0.2	6	-0.1	0.4	12
		SSOC	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	msv	msv SSOC w SSOF matrix, q and lithic clasts,	YA32102	-0.01	3	0.2		0.2	6	-0.1	0.4	10
620		SSOF	SAG	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	as above	YA32103	-0.01	15	-0.2	4	0.5	17	-0.1	0.6	18
		SSOC	SSOF	PRN	gy			fmg					0	mlht	Skillogalee Dm	lyd	lbedd SSOC w SSOF and mn SAS ibdg,	YA32104	-0.01	5	0.3		0.1	5	-0.1	0.4	4
622		SSOB	SSOM	PRN	wh			cg					0	mlht	Skillogalee Dm	msv	msv SSOB w SSOM matrix, clast supported, well rounded poorly sorted clasts, large clasts of SSOF towards base,	YA32105	-0.01		0.3		0.1	2	-0.1	0.3	
624		SSOF	SSOC	PRN	gy			fg					0	medd	Skillogalee Dm	lyd	ibedd SSOF w some SSOC and SAG ibdg, SAG increasing towards base,	YA32106	-0.01	4	-0.2		0.3	8	-0.1	0.4	6
626																		YA32107	-0.01	10	-0.2		0.2	11	-0.1	0.6	9
		SSOC	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	SSOC w some SSOF ibdg, mn SAG	YA32108	-0.01		0.3		0.3	4	-0.1	0.3	4
628		SSOF	SSOC	PRN	gy			fmg					0	medd	Skillogalee Dm	lyd	lbedd SSOF and SAG w mn SSOC layers,	YA32109	-0.01	10	-0.2	3	0.6	12	-0.1	0.7	13
630		SSOC	SSOF	PRN	gy			cg					0	mlht	Skillogalee Dm	lyd	lbedd SSOC and SSOF, mn SAS, q + f + lithic clasts	YA32110	-0.01	1	0.2		-0.1	4	-0.1	0.3	
632																											
634																											
636																											
638																											

APPENDIX 4

PETROPHYSICAL RESULTS
MESOSCALE LABORATORY DATA

Systems Exploration (NSW)
Pty Limited

Postal Address: Box 6001
Dural Delivery Centre
NSW 2158, Australia

Telephone: (02) 4579 1183
Fax: (02) 4579 1290
email: systemsexpl@bigpond.com

STUDY:	Barrick Gold of Australia Ltd	Project # 03/2009
DATE:	20 February 2009	**AREA:** Stuart Shelf
REFERENCE:	Brendan Howe email	
METHODS:	mass, inductive, galvanic	(velocity see Table 4)

DATA:	**Tables**	**Crossplots**
density, porosity	1	Fig P-D
mag k, em cond.	2	Fig k-D
galv. res, IP	3	Figs R_{ad}-R_{sat}, R_{sat}-WBD, R_{sat}-P_A, IP-WBD

SAMPLES: two (2) cores (split - half cores)

References on Techniques see:

Bertin, J & Loeb, J, 1976. *Experimental and Theoretical Aspects of Induced Polarisation.* Vol.1 [see 9.14: high resistivity -> high IP] Geopubl. Assoc. Geoexpl. Mon. 7; for IP see also Olhoeft, Geophysics, 1985, 2492; Nelson & VV, G 1983, 62; Mahan, R & S, GP, 1986, 743]

Clark, DA & Emerson, DW, 1991. *Notes on rock magnetisation characteristics in applied geophysical studies.* Explor. Geophys., 22, 547-555.

Emerson, DW, 1969. *Laboratory electrical resistivity measurements of rocks.* Proc. Aust. Inst. Min. & Metal., 230, 51-62 (incl. 4 electrode water bath IP technique).

Emerson, DW, 1990. *Notes on mass properties of rocks - density, porosity, permeability.* Explor. Geophys., 21, 209-216.

Emerson, DW & Yang, YP, 1997. *Insights from laboratory mass property crossplots.* ASEG Preview, 70, 10-14.

Yang, YP & Emerson, DW, 1997. *Electromagnetic conductivities of rock cores: Theory and analog results.* Geophysics, 62/6, 1779-1793 (incl. mag. k by induction coil).

Reference to high resistivity terrains:

Emerson, DW & Yang, YP, 1998. *Physical properties of fractured rock - bulk resistivity.* ASEG Preview, 77, 26-27. { RELEVANT TO THESE SAMPLES

Important Notes:

_ These petrophysical data results relate to laboratory measurements on small samples. The extrapolation of these results to large masses of in situ material should take account of sampling statistics, and other relevant variables e.g. water saturation in electrical studies, anisotropy, jointing etc.

_ The results contained herein relate only to the material submitted for testing and no responsibility is accepted for the representative nature or otherwise of the material submitted.

_ Non uniformity, variability, texture, fabric and structure of lithological formations should be kept in mind when assessing mesoscale petrophysics quantities derived from a limited number of samples. Tested rock *material* properties may not simply represent those of the overall rock *mass*; other information may be required.

_Errors: Usually on a given sample or subsample, and under fixed conditions, the root mean square error of an individual measurement is better than 1% when taking into account uncertainties in geometry of the specimen of rock material and the instrument specifications between calibrations. However, in no way can this indicative measured value be regarded as a definitive characteristic of the rock mass for which the accurate depiction of a physical property requires adequate and careful sampling (rarely done in routine test programs owing to considerations of cost and time) and cognisance of other variables, including lab. artefacts.

SYSTEMS EXPLORATION (NSW) PTY LIMITED — **Table 1**

Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158
Telephone: (02) 4579 1183: Fax: (02) 4579 1290

MASS PROPERTIES

Project: 03/2009

Date: 14 February 2009

STUDY Barrick Gold of Australia Ltd — Sw: water sat. level in pores

TECHNIQUES mass properties, vac sat technique, occluded voids assumed minor

REFERENCE B Howe — saturant (in vacuum): fresh water

VALUES ROUNDED

SAMPLES				MESOSCALE PHYSICAL PROPERTIES				air dry condition	
				Sw -> 0%		(inferred)	Sw->100%	"as received"	
				dry bulk	apparent	SGGA	WBD	estimated	density
SUBSAMPLES				density	porosity P_A	(composite,	wet (sat.)	orig.	in orig.
cores				DBD	(water accessible	apparent)	bulk dens.	water	condition
		lithology		(105°C dry)	void vol. wrt total vol)	grain dens.		sat.	
	(depth m)			g/cm^3	%	g/cm^3	g/cm^3	S_w %	g/cm^3
BARCD0001									
MASTERS 01									
5l		Skil. Fm					2.84		
5m		Ss/sh					2.83		
5si				2.82	2.1	2.88	2.84	76	2.84
5sii				2.83	1.6	2.87	2.84	69	2.84
5p							2.85		
BARCD0002									
WOODFORDE 1									
6l		Kal. Fm					2.73		
6s		Ss + carbon sh + py		2.76	1.1	2.79	2.77	69	2.76
6p							2.73		

SYSTEMS EXPLORATION (NSW) PTY LIMITED — **Table 2**

Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158
Telephone: (02) 4579 1183: Fax: (02) 4579 1290

INDUCTIVE TESTS

Project: 03/2009

Date: 23 Jan 2009

STUDY Barrick Gold of Australia Ltd

TECHNIQUES induction coils mag k 460 Hz, EM cond>100 kHz

REFERENCE B Howe

SAMPLE TREATMENT: none

tested as is

SAMPLES		MESOSCALE PHYSICAL PROPERTIES (LAB.)						
			small subsamples				large subsamples	
				average		average	lab limit 0.1 S/m	
			mag k	mag k	density	density	EM cond.	
cores		lithology			approx.	approx.	σ	comments
	(depth m)		SIx10^{-5}	SIx10^{-5}	g/cc, t/m^3	g/cc, t/m^3	S/m	
BARCD0001								
MASTERS 01								
5		Skil. Fm	8	8	2.84	2.84	slight response: dark bands	
		Ss/sh	8		2.84			
BARCD0002								
WOODFORDE 1								
6		Kal. Fm	25	23	2.73	2.73	slight response: dark laminae	
		Ss + carbon sh + py	21		2.73			

SYSTEMS EXPLORATION (NSW) PTY LIMITED — **Table 3**

Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158
Telephone: (02) 4579 1183: Fax: (02) 4579 1290

GALVANIC TESTS

Project: 03/2009

Date: 23 February 2009

STUDY Barrick Gold of Australia Ltd

TECHNIQUES galvanic electric resistivity and IP

REFERENCE B Howe

SAMPLE TREATMENT:

VACUUM SATURANT: 10 ohm m 25°C soln

SAMPLES		MESOSCALE PHYSICAL PROPERTIES (LAB.)						regard lab IP data as relative maxima	
		mostly measured along half-core axes (l: large subsample)							
					galvanic electrical resistivity				
					air dry, as received	sat. state		possible	IP effect
cores					ρ_t	WBD	ρ_o	IP	as equivalent
		lithology	texture		1 kHz		1 kHz	cause	chargeability
	(depth m)				ohm m	g/cc	ohm m		ms
BARCD0001									
MASTERS 01									
5	l	Skil. Fm			901	2.84	257	carbonaceous	
	m	Ss/sh			343	2.83	149	/ minor	43
	si					2.84	(non carb)	(background)	(3)
	sii			// carb		2.84	34		
	p				559	2.85	253		
BARCD0002									
WOODFORDE 1									
6	l	Kal. Fm		⊥ fol	17535	2.73	8767		
	s	Ss + carbon sh + py				2.77		ms	64
	p			// fol	(carbonaceous	2.73	9		

IP is a function of many variables

mh: metallic hematite
i.e. spec &/or steely
mtt: magnetite
ms: minor sulphide

PETROPHYSICAL RESULTS
MESOSCALE LABORATORY DATA

Systems Exploration (NSW)
Pty Limited

Postal Address: Box 6001
Dural Delivery Centre
NSW 2158, Australia

Telephone: (02) 4579 1183
Fax: (02) 4579 1290
email: systemsexpl@bigpond.com

STUDY:	Barrick Gold of Australia Ltd	Project # 03/2009
DATE:	23 February 2009	**AREA:** Stuart Shelf
REFERENCE:	Brendan Howe email	
METHODS:	ULTRASONIC VELOCITY under uniaxial load: note that ultrasonic velocities can exceed low frequency seismic velocities (dispersion)	

DATA:	**Table**	**Crossplot**
velocity	4	Fig. V-D

SAMPLES: two (2) cores [split cores, small diameter ~ 5cm]

References

Emerson, DW, 1990. *Notes on mass properties of rocks - density, porosity, permeability.* Explor. Geophys., 21, 209-216.

Gregory, AR, 1977. *Aspects of rock physics from laboratory and log data that are important to seismic interpretation.* AAPG Memoir 26, 15-46 [see p.26 for uniaxial load technique]

ISRM, 1978. *Suggested method for determining sound velocity.* Inst. J. Rock Mech. Min. Sci. & Gemoech. Abstr., 15, 55-58. [and see also: ASTM, 1985. *Laboratory determination of pulse velocities and ultrasonic elastic constants of rock.* ASTM D2845-83]

Wyllie, RJ, Gregory, AR & Gardner, GHF, 1958. *An experimental investigation of factors affecting elastic wave velocities in porous media.* Geophysics, 23, 459-493. (see Fig. 2, p.463, uniaxial load technique)

Important Notes:

_ These petrophysical data results relate to laboratory measurements on small samples. The extrapolation of these results to large masses of in situ material should take account of sampling statistics, and other relevant variables e.g. water saturation, anisotropy, jointing etc.

_ The results contained herein relate only to the material submitted for testing and no responsibility is accepted for the representative nature or otherwise of the material submitted.

_ Non uniformity, variability, texture, fabric and structure of lithological formations should be kept in mind when assessing mesoscale petrophysics quantities derived from a limited number of samples. Tested rock *material* properties may not simply represent those of the overall rock *mass* ; other information be required.

_Errors: Usually on a given sample or subsample, and under fixed conditions, the root mean square error of an individual measurement is better than 1% when taking into account uncertainties in geometry of the specimen of rock material and the instrument specifications between calibrations. However, in no way can this indicative measured value be regarded as a definitive characteristic of the rock mass for which the accurate depiction of a physical property requires adequate and careful sampling (rarely done in routine test programs owing to considerations of cost and time) and cognisance of other variables, including lab. artefacts.

SYSTEMS EXPLORATION (NSW) PTY LIMITED
Postal Address: Box 6001, Dural Delivery Centre, NSW, 2158
Telephone: (02) 4579 1183: Fax: (02) 4579 1290

Table 4

Project: 03/2009

Date: 23 February 2009

STUDY Barrick Gold of Australia Ltd

TECHNIQUES ultrasonic Pwave velocity (500 kHz) under uniaxial load

REFERENCE B Howe

SAMPLES		MESOSCALE PHYSICAL PROPERTIES (LAB.)						
						sat state		
cores			app porosity	WBD	sonic transit	Pwave		acoustic
		lithology/texture	%	g/cc	w.r.t.	velocity		impedance
	(depth m)		[Table 1]	t/m^3	foliation	m/s		$kt/m^2/s$
BARCD0001								
MASTERS 01								
5		Skil. Fm	1.9	2.83	⊥	5957		16.9
		Ss/sh			//	6263		17.7
BARCD0002								
WOODFORDE 1								
6		Kal. Fm	1.1	2.73	⊥	5973		16.3
		Ss + carbon sh + py			//	6084		16.6

APPENDIX 5

BARRICK

BARRICK GOLD OF AUSTRALIA LIMITED
ABN 19 008 143 137
Level 10, 2 Mill Street
Perth Western Australia 6850

Locked Bag 12, Cloisters Square
Perth Western Australia 6850

Tel: +61-8-9212 5777

EXPLORATION
Fax: +61-8-9481 5703

25 February 2009

Mining Regulation and Rehabilitation Branch
Office of Mineral and Energy Resources
Primary Industry and Resources of South Australia
GPO Box 1671
Adelaide South Australia 5000

Dear Sir/Madam

EL3891 – Anna Creek JV Rehabilitation Report

Please find attached a copy of the rehabilitation report detailing work carried out upon EL3891 following completion of the drilling program. This work was done in accordance with EWA approval (EL3891 – C2008 / 04843 0002399 / SC), and adhering to PIRSA guidelines outlined within;

- M21 – PIRSA Information Sheet – *Mineral exploration drill-holes – General specifications for construction and backfilling*)
- M33 - PIRSA Information Sheet – *Statement of environmental objectives and environmental guidelines for mineral exploration activities in South Australia*

A copy of this report has been supplied to PIRSA in both hard copy and digital format as stipulated in the EWA approval letter.

Yours faithfully

SERENA GOLDSMITH
PROJECT GEOLOGIST

BARRICK
AUSTRALIA PACIFIC

EL3891
Rehabilitation Report

To: PIRSA **Copy:** FILE
From: Barrick Gold of Australia
Date: February 2009
Re: Drill hole rehabilitation – EL3891 Anna Creek JV Project

This report details the rehabilitation of the Anna Creek JV drill sites located on EL3891. The report briefly outlines the drill hole details and contains a number of photographs of the drill sites and access tracks taken prior to the drill program, during the drill program and after rehabilitation as per guidelines detailed in the EWA (EL3891 – C2008/04843 0002399/SC).

The rehabilitation program managed by Barrick Gold of Australia (Barrick) consisted of two drill holes (BARCD0001 and BARCD0002) and one drill site that was not drilled (the Jed site).

MASTERS TARGET – BARCD0001

Hole and drill site details;

Hole ID	BARCDD0001
Location – AGD84z53	611300mE, 6810250mN
EOH Depth	432.32m
Drilling Contractors	Boart Longyear (RC pre-collar and diamond tails)
Date Drilled	November 2008
GAB	None
Hole Details	• 0 – 159.9m - Reverse Circulation Pre-collar • 159.9-169.3m – HQ Diamond core • 169.3-432.32m – NQ2 Diamond core
Gear left in hole	• 0-10m 6" PVC casing (has been cut 40cm below ground level, capped and collar backfilled to form a small mound over the collar.
Current status of the Hole	• The collar was cut ~ 40cm below ground level. Hole was plugged and soil from drill pad mounded over the cap to prevent subsidence. • No aquifer was encountered during drilling.
Drill site status	• Sumps were excavated for drilling. Soil material from the sump excavation was stockpiled including a separate topsoil pile. All sumps were backfilled, topsoil spread and scarified (Figures 4 & 5). • All drill spoils were disposed of and the green RC bags placed into landfill. • The drill pad is clean of rubbish and has been scarified (Figures 4 & 5).
Access track status	• The 550m long track created for access to the BARCD0001 drill hole was scarified back to the old Oodnadatta Track in consultation with the landowner.

Figure 1: Masters drill site before rehabilitation – looking south.

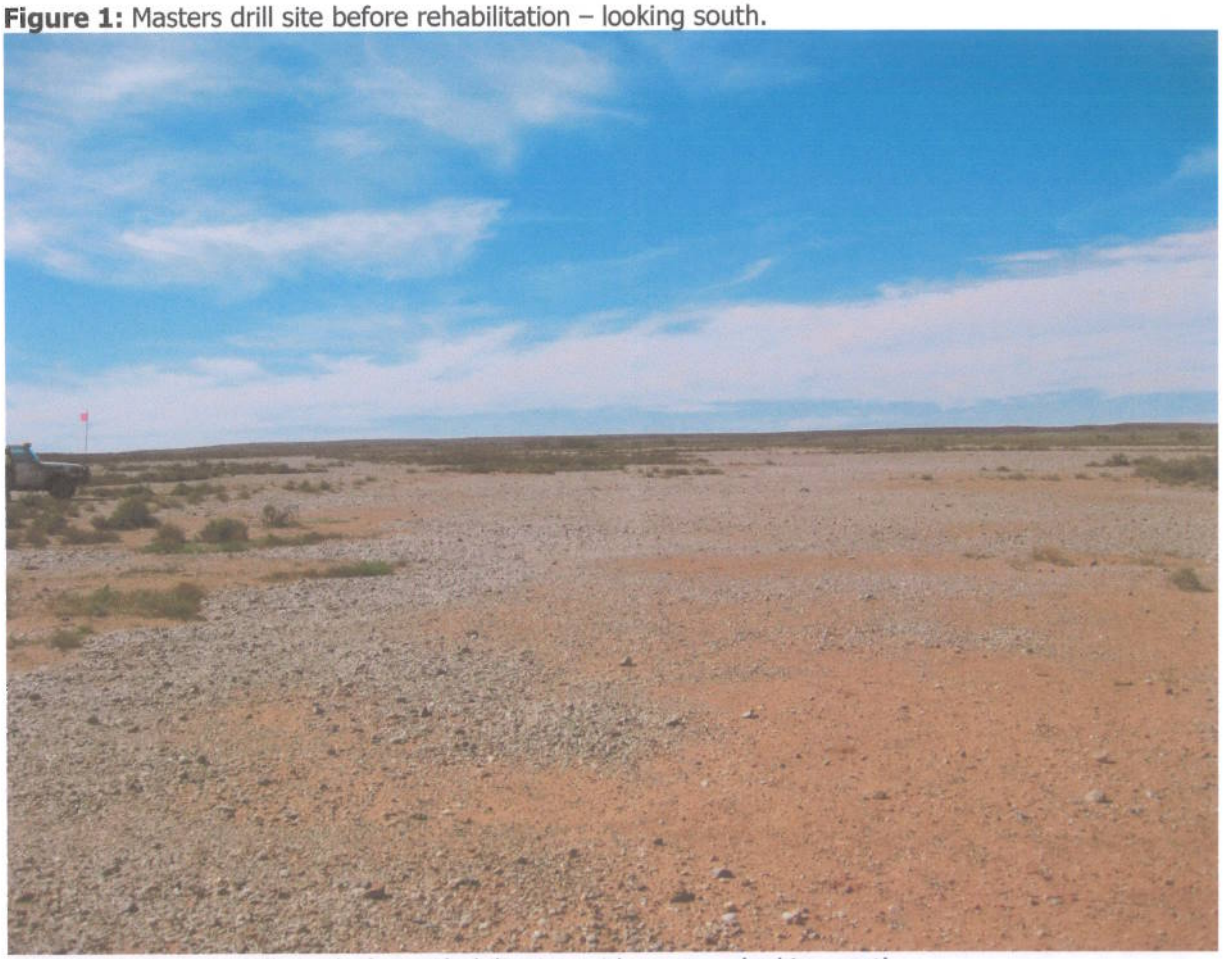

Figure 2: Masters drill site before rehabilitation with sumps - looking north

Figure 3: Access track to Masters drill site from old Oodnadatta Track – before rehabilitation

Figure 4: Masters drill site post rehabilitation – looking south

Figure 5: Masters drill site post rehabilitation – looking north

WOODFORDE TARGET – BARCD0002

Hole and drill site details;

Hole ID	BARCD0002
Location – AGD84z53	607510mE, 6816687mN
EOH Depth	630.78m
Drilling Contractor	Boart Longyear (RC pre-collar and diamond tails)
Date Drilled	November-December 2008
GAB	None
Hole Details	• 0 – 178.2m - Reverse Circulation Pre-collar • 178.2-630.78m – NQ2 Diamond core
Gear left in hole	PVC casing was used to collar the hole for drilling • 0-10m 6" PVC Casing
Current status of the Hole	• The collar was cut ~ 40cm below ground level. Hole was plugged and soil from drill pad mounded over the cap to prevent subsidence. • No aquifer was encountered during drilling.
Drill site status	• Sumps were excavated for drilling. Soil material from the sump excavation was stockpiled including a separate topsoil pile. All sumps were backfilled, topsoil spread and scarified (Figures 9 & 10). • All drill spoils were disposed of and the green RC bags placed into landfill. • The drill pad is clean of rubbish and has been scarified (Figures 9 & 10).
Access track status	• A 780m long access track was created for access to the drill hole from pre-existing station tracks. This access track was rehabilitated in accordance with PIRSA guidelines.

Figure 6: Woodforde drill site before rehabilitation – looking northeast

Figure 7: Woodforde drillsite before rehabilitation – looking southwest

Figure 8: Woodforde drill site – access track from collar

Figure 9: Woodforde drill site post rehabilitation – looking northeast

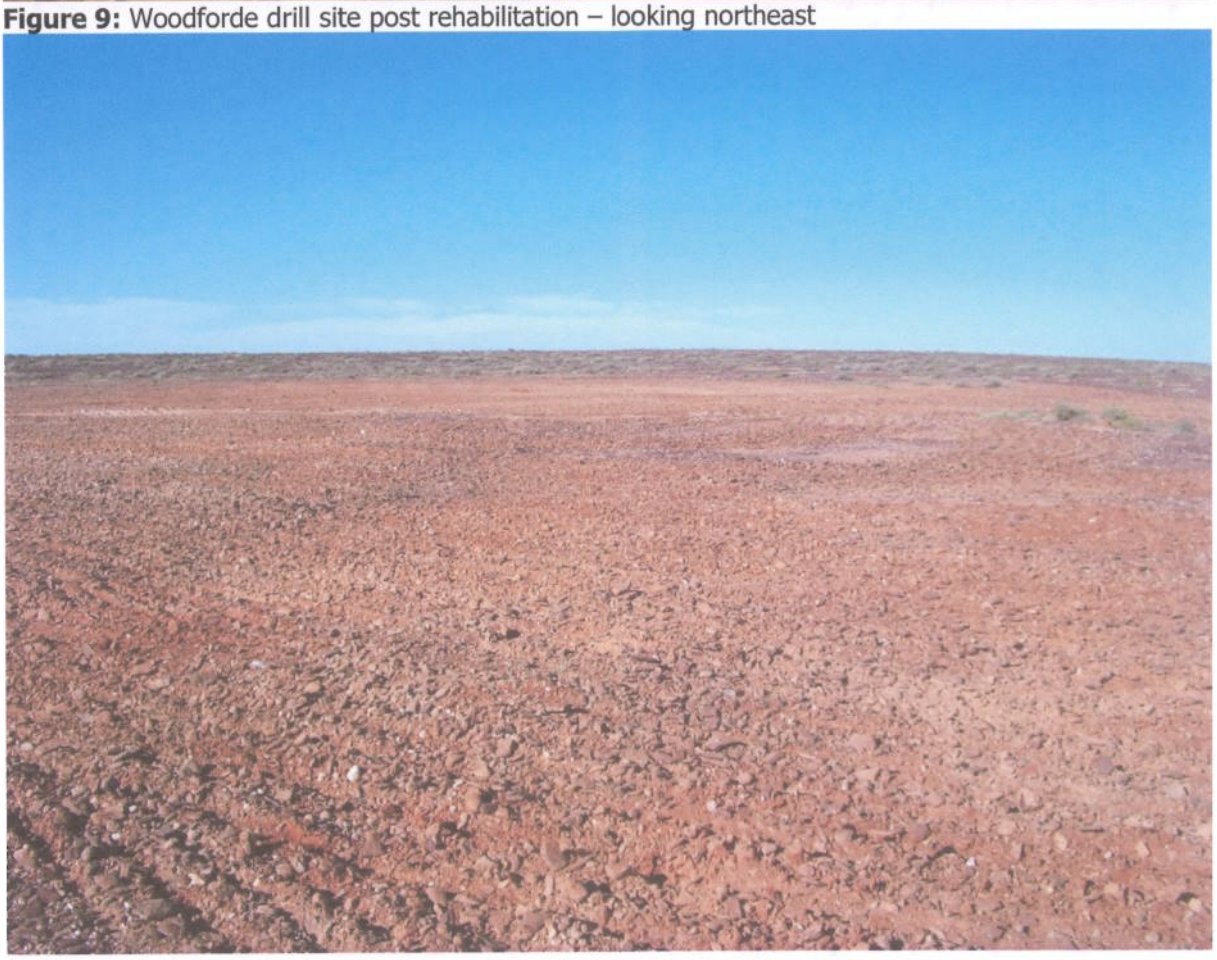

Figure 10: Woodforde drill site post rehabilitation – looking southwest

Figure 11: Woodforde drill site access track post rehabilitation

JED TARGET – NOT DRILLED

Hole and drill site details;

Hole ID	NOT DRILLED
Location – AGD84z53	610965mE, 6814491mN
EOH Depth	Not Drilled
Drilling Contractor	None
Date Drilled	Not Drilled
GAB	None
Hole Details	• None
Gear left in hole	• None
Current status of the Hole	• None
Drill site status	• Sumps were excavated for drilling. Soil material from the sump excavation was stockpiled including a separate topsoil pile. All sumps were backfilled, topsoil spread and scarified (Figures 15 & 16). • The drill pad is clean of rubbish and has been scarified (Figures 15 & 16).
Access track status	• A 770m long access track was created for access to the drill hole from pre-existing station tracks. This access track was not compacted as it was not utilised by heavy equipment (the drillhole was not drilled). The track was rehabilitated in accordance with PIRSA guidelines.

Figure 12: Jed drill site before rehabilitation – looking south

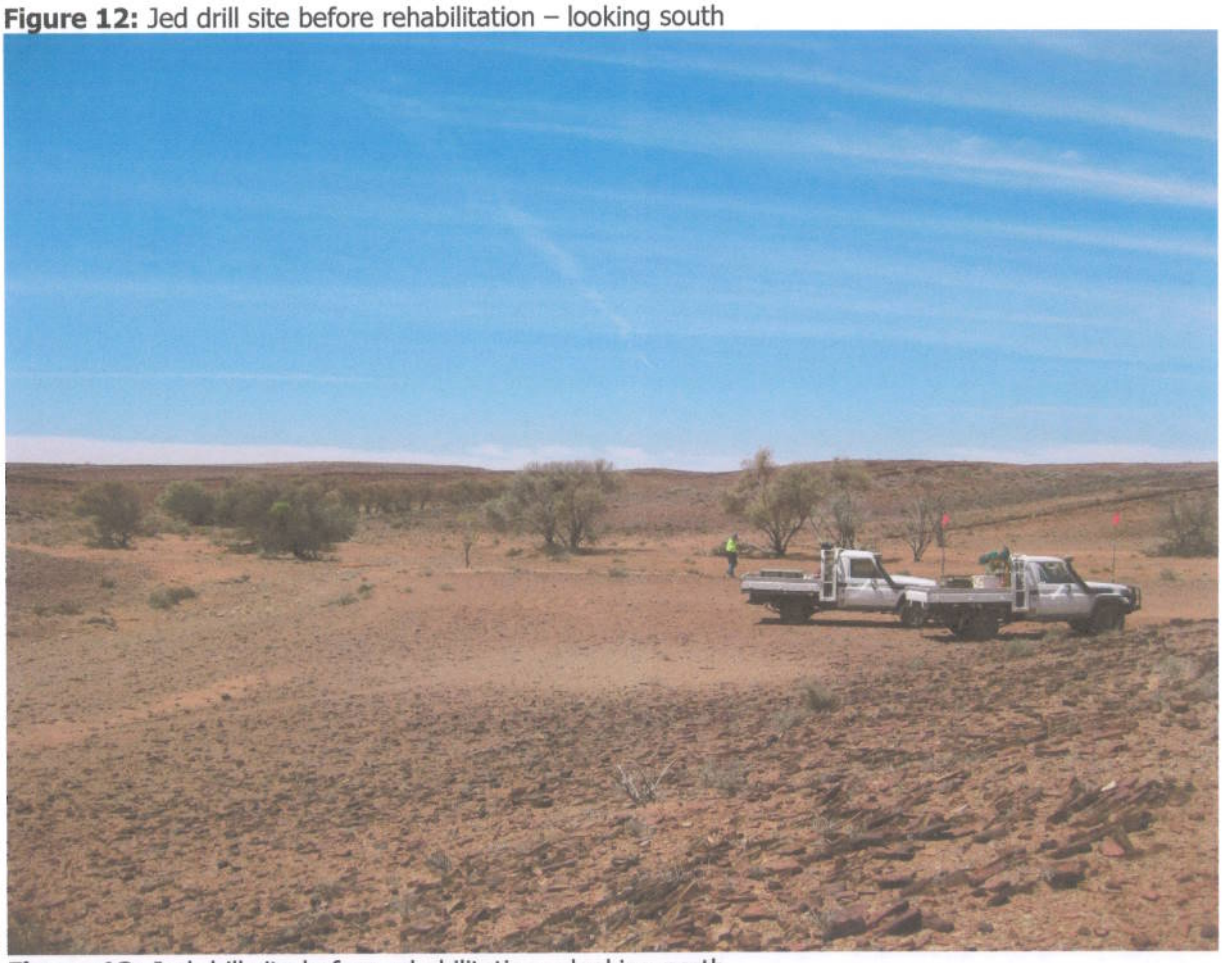

Figure 13: Jed drill site before rehabilitation – looking north

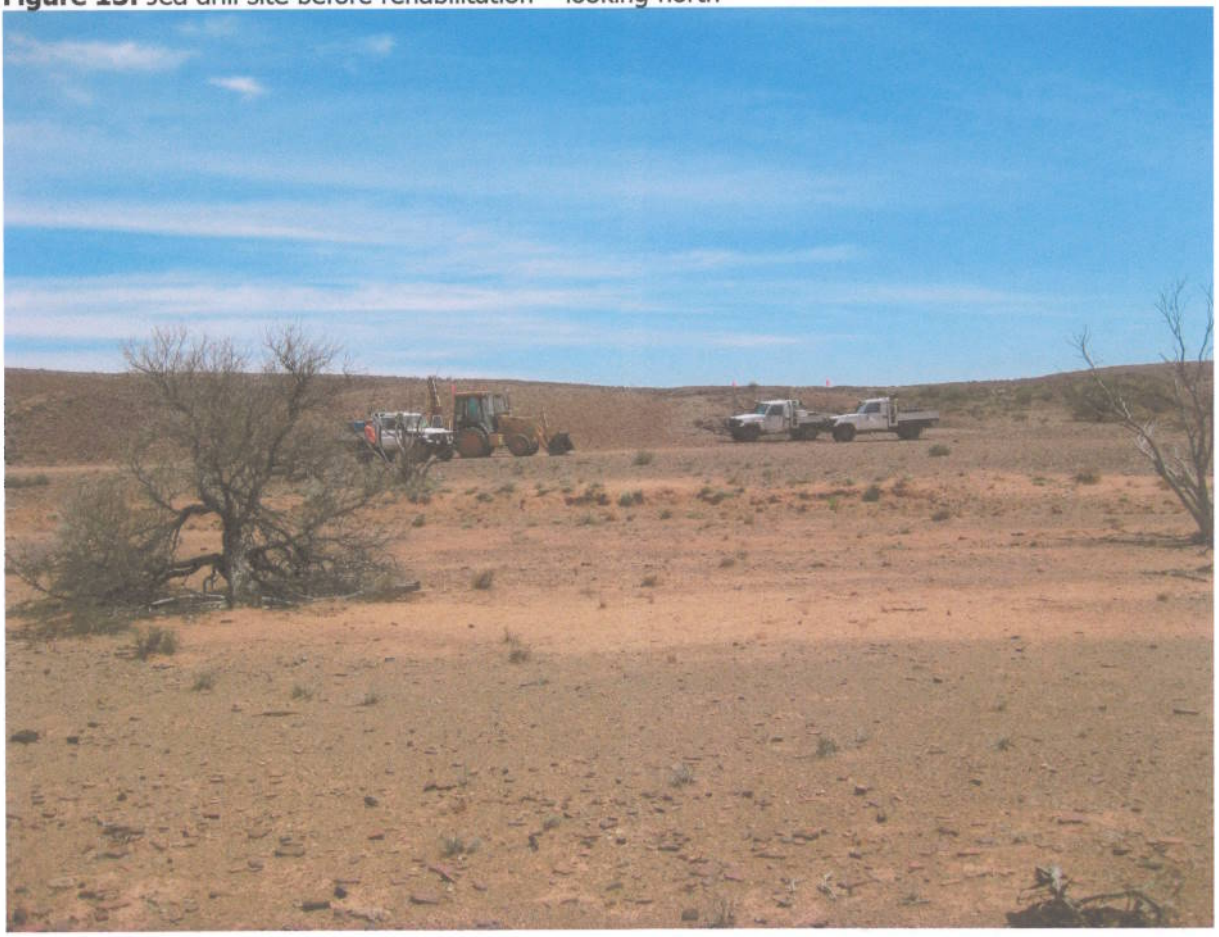

Figure 14: Jed drill site access track from collar before rehabilitation

Figure 15: Jed drill site post rehabilitation – looking south

Figure 16: Jed drill site post rehabilitation – looking north

APPENDIX 6

EL3891
Anna Creek JV
Partial Annual Report to 31 March 2009
Expenditure

Activity	***Expenditure from 24/07/2008 to 31/03/2009***
Geological Activities	248,460.19
Geophysical Activities	91,526.60
Drilling Activities	285,304.04
Legal Costs	49,697.19
Field Supplies	53,462.24
Field Camp Activities	5,799.51
Travel Costs	42,564.23
PIRSA Annual Rent	2,296.40
Aboriginal Heritage Survey	7,361.29
Sub-Total	786,471.69
Administration/Overheads	2,277.55
TOTAL	**$788,749.24**

13 October 2010

Records Officer
Mineral Tenements
PIRSA
GPO Box 1671
ADELAIDE SA 5001

Dear Sir/Madam

EL 3891 – Annual Technical Report for the year ending 12/8/2010

We hereby advise, in response to the difficult market conditions, the Company has not advanced new technical work during the year ending 12 August 2010. Once an investment partner is secured, a detailed exploration study will commence.

As no new technical data were acquired, a formal Annual Technical Report will not be submitted.

The total expenditure for the year was $54,800. Details have been provided in the relevant summary reports.

Should you wish to discuss this matter please call the undersigned.

Yours faithfully
Rommark Resources Pty Ltd

Gabriel Kushnir
Director

cc. Teena Coppin
By Email: tcoppin@teneman.com.au

Rommark Resources Pty Limited ACN 129 719 606
Australian Legal Office: Suite 304, 45 Cross Street, Double Bay NSW 2028
Phone: +61 2 9362 8333 Fax: + 61 2 9362 8228

ROMMARK

25 October 2011

Records Officer
Mineral Tenements
PIRSA
GPO Box 1671
ADELAIDE SA 5001

Dear Sir/Madam

EL 3891 – Annual Technical Report for the year ending 12/8/2011`

No field work was undertaken on EL 3891 during the period 13/8/2010 to 12/8/2011. Negotiations with local and overseas potential Joint Venture partners continued.

As no new technical data were acquired, a formal Annual Technical Report will not be submitted.

The total expenditure for the year was $60,000. Details have been provided in the relevant summary reports.

Should you wish to discuss this matter please call the undersigned.

Yours faithfully

Gabriel Kushnir
Director

Rommark Resources Pty Limited ACN 129 719 606
Australian Legal Office: Suite 304, 45 Cross Street, Double Bay NSW 2028
Phone: +61 2 9362 8333 Fax: + 61 2 9362 8228

ROMMARK

23 November 2012

EL Recording Officer
Mineral Resources Division
DMITRE
GPO Box 1264
ADELAIDE SA 5001

Dear Sir/Madam

EL 3891 – Annual Technical Report for the year ending 12/8/2012

No field work was undertaken on EL 3891 during the period 13/8/2011 to 12/8/2012.

As no new technical data were acquired, a formal Annual Technical Report will not be submitted.

The total expenditure for the year was $56,277. Details have been provided in the relevant summary reports.

Please contact Teena Coppin on 8342 4914 or 0415 397 870 if you require additional information.

Yours faithfully

Gabriel Kushnir
Director

Rommark Resources Pty Limited ACN 129 719 606
Australian Legal Office: Suite 304, 45 Cross Street, Double Bay NSW 2028
Phone: +61 2 9362 8333 Fax: + 61 2 9362 8228

teneman consulting

MINERAL TENEMENT SERVICES

ABN 68 593 203 550

26 September 2014

EL Reporting Officer
Mineral Tenements
Department of State Development
GPO Box 320
ADELAIDE SA 5001

Dear Nella

PO Box 115, Kent Town
South Australia 5071
M. 0415 397 870
F/AH. 08 8342 4914
E. tcoppin@teneman.com.au

EL 5127 – Annual Technical Report for the year ending 12/8/2013

EL 5217 was granted to Rommark Resources Pty Ltd on 13 August 2012.

During the first year of tenure no field work was undertaken. As no new technical data were acquired, a formal Annual Technical Report will not be submitted.

The total expenditure for the year was $8,176. Details have been provided in the relevant summary reports.

Please contact me on 8342 4914 or 0415 397 870 if you require additional information.

Yours faithfully

Teena Coppin
Tenement Manager

teneman consulting

M I N E R A L T E N E M E N T S E R V I C E S

ABN 68 593 203 550

26 September 2014

EL Reporting Officer
Mineral Tenements
Department of State Development
GPO Box 320
ADELAIDE SA 5001

Dear Nella

PO Box 115, Kent Town
South Australia 5071
M. 0415 397 870
F/AH. 08 8342 4914
E. tcoppin@teneman.com.au

EL 5127 – Final Annual Technical Report for the year ending 12/8/2014

EL 5217 was granted to Rommark Resources Pty Ltd on 13 August 2012 and expired on 12 August 2014.

During the final year of tenure no field work was undertaken. As no new technical data were acquired, a formal Annual Technical Report will not be submitted.

The total expenditure for the year was $Nil. Details have been provided in the relevant summary reports.

Please contact me on 8342 4914 or 0415 397 870 if you require additional information.

Yours faithfully

Teena Coppin
Tenement Manager