BILLITON AUSTRALIA GOLD PTY LTD
MT TODD JOINT VENTURE, NT.

Report on Logging and Sampling of Two Diamond Drill Holes from the Quigley's Prospect

Author : D. Koerber
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Date : 25 October,1990
Copy No : 2

Distribution:

1. NTDME x 1
2. Billiton Katherine x 2
3. Billiton Melbourne x 2 (BOD)
4. Billiton Melbourne x 1 (BXL)
5. Zapopan NL (Perth) x 1

L I S T O F C O N T E N T S

LIST OF FIGURES

Quigley's Diamond Drill Core Report - DDH1 & DDH2

1.0 Introduction

Diamond drill core from Quigley's holes DDH1 and DDH2 was obtained from the Department of Mines and Energy by Billiton Australia Gold Pty Ltd in April 1990.

The holes were drilled by Australian Ores and Minerals, with D.M.E. assistance, during 1975 in order to test the nature of Quigley's Reef, which is situated approximately 40km north-north-west of Katherine, Northern Territory (Figure 1). Drill hole locations are shown in Figure 2. The holes were subsequently selectively sampled by A.O.M. Assay results reported by Cook (1982) were:

DDH1: 1.00m @ 7.0 g/t Au and
1.46m @ 11.3 g/t Au

DDH2: 0.49m @ 0.4 g/t Au and
1.50m @ 1.08 g/t Au

The depths of these zones were not reported and hence are not accurately known.

2.0 Core Logs & Assays

Billiton Australia Gold Pty Ltd obtained the core in order to gain a better understanding of the down dip extension of Quigley's Reef, as part of an ongoing exploration programme within ERL 112, at the Mt Todd prospect. This was effected by detailed core logging and subsequent assaying of 1m long, half core samples along the entire hole length. Core logs and assay results are given in Appendices 1 & 2 respectively.

Sections for DDH1 and DDH2, which incorporate both information from logs and assay results are shown in figure's 3 and 4 respectively.

3.0 Discussion

DDH1: As shown in figure 3, a shallowly westerly dipping zone of 16m @ 1.41 g/t has been inferred, which includes zones of 3m @ 1.59 g/t (54m - 57m), 3m @ 2.06 g/t (61m - 64m) and 1m @ 7.8 g/t (69m - 70m). These zones are characterized by stockwork and massive breccia veins in which, due to near total oxidation of pre-existing sulphides, ferruginous solution cavities exist. Sulphides, where visible include pyrite, chalcopyrite, arsenopyrite, pyrrhotite and sphalerite. Poor core recovery (see Appendix 1), probably due to previous selective sampling, may have led to considerable underestimation of grades within these zones.

Due to structural complexities within the area that encompasses the drill hole and the fact that the core's orientation was not recorded during drilling, bedding orientation's throughout the entire drill hole can not be accurately determined. Hence, bedding attitudes, as illustrated in figure 3, are diagrammatic and may not reflect true attitudes.

A thin (10cm wide) biotite granite dyke was intersected between 3-4m, from which one thin section was made and subsequently studied. The petrographic report for the section is given in Appendix 3.

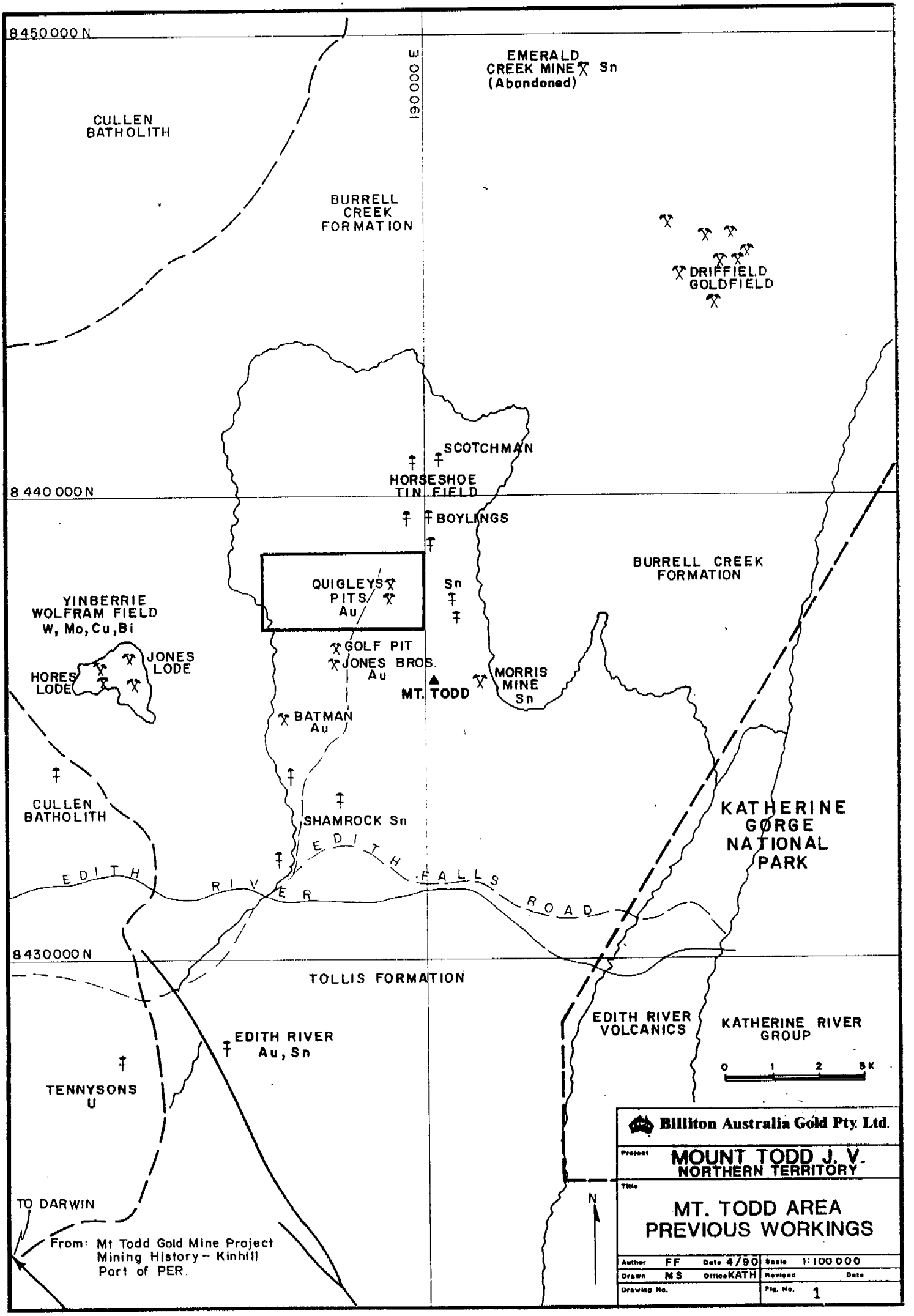
DDH2: As shown in figure 4 four mineralised zones, of an average width of 2m have been interpreted, all of which have an approximate dip of 30^{o} to the west. Zones are typically characterized by stockwork and/or brecciated veins which contain, in order of abundance, pyrite, arsenopyrite, pyrrhotite $\pm$ chalcopyrite. Poor core recovery, probably due to previous selective sampling may have led to considerable underestimation of grades in these zones.

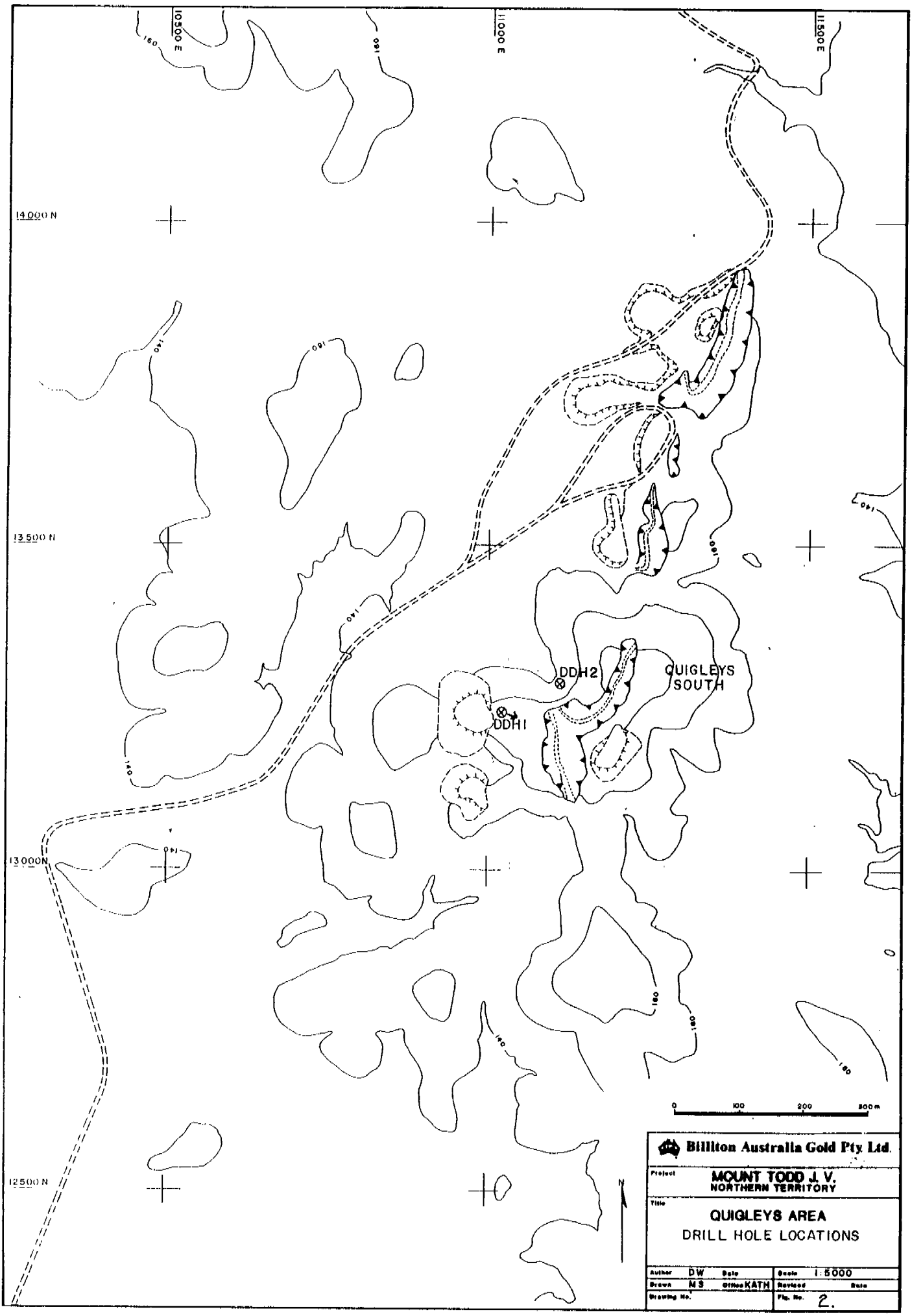
Given that the core's orientation was not recorded during drilling it is inferred from surface mapping that bedding dips approximately 40^{o} to the west. Dominant lithologies consist of poorly bedded and interbedded siltstone and greywacke with less dominant units being massive greywacke and laminated siltstone.

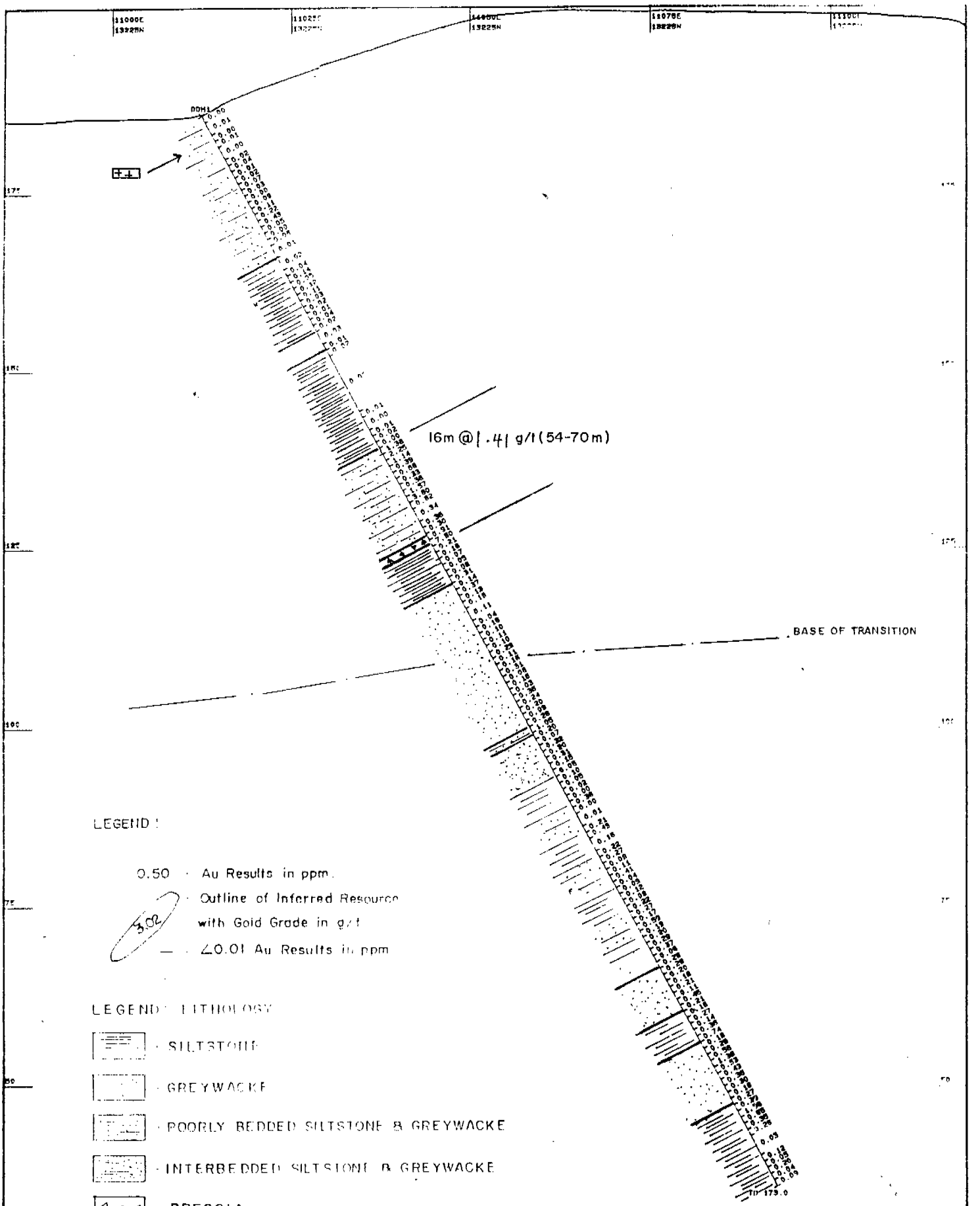
4.0 References

COOK, I.A. (1982): Mt Todd Gold Prospect Quigley Reef Drilling C.R.A. Exploration Report No: 11134 (Unpublished)

ENGLAND, R.N., (1990): Batman (outer zones), Tollis, Golf, Regatta and Quigley's Prospects: Petrographic Report Billiton Australia Gold Pty Ltd Report No: 41151 (Unpublished)


8450000N
190000E
EMERALD CREEK MINE Sn
(Abandoned)
CULLEN BATHOLITH
BURRELL CREEK FORMATION
DRIFFIELD GOLDFIELD
SCOTCHMAN
HORSESHOE TIN FIELD
8440000N
BOYLINGS
BURRELL CREEK FORMATION
QUIGLEYS PITS Au
Sn
YINBERRIE WOLFRAM FIELD
W, Mo, Cu, Bi
JONES LODE
HORES LODE
GOLF PIT
JONES BROS. Au
MT. TODD
MORRIS MINE Sn
BATMAN Au
CULLEN BATHOLITH
SHAMROCK Sn
EDITH RIVER
EDITH FALLS ROAD
KATHERINE GORGE NATIONAL PARK
8430000N
TOLLIS FORMATION
EDITH RIVER Au, Sn
EDITH RIVER VOLCANICS
KATHERINE RIVER GROUP
TENNYSONS U
0 1 2 3K
TO DARWIN
N
From: Mt Todd Gold Mine Project
Mining History -- Kinhill
Part of PER.
Billiton Australia Gold Pty. Ltd.
Project
MOUNT TODD J. V.
NORTHERN TERRITORY
Title
MT. TODD AREA
PREVIOUS WORKINGS
Author FF Date 4/90 Scale 1:100000
Drawn MS Office KATH Revised Date
Drawing No. Fig. No. 1


10500 E
11000 E
11500 E
14000 N
13500 N
13000N
12500 N
160
150
140
DDH2
DDH1
QUIGLEYS
SOUTH
0
100
200
300m
N
Billiton Australia Gold Pty Ltd.
Project
MOUNT TODD J. V.
NORTHERN TERRITORY
Title
QUIGLEYS AREA
DRILL HOLE LOCATIONS
Author DW Date
Drawn MS Office KATH
Drawing No.
Scale 1:5000
Revised Date
Fig. No. 2.

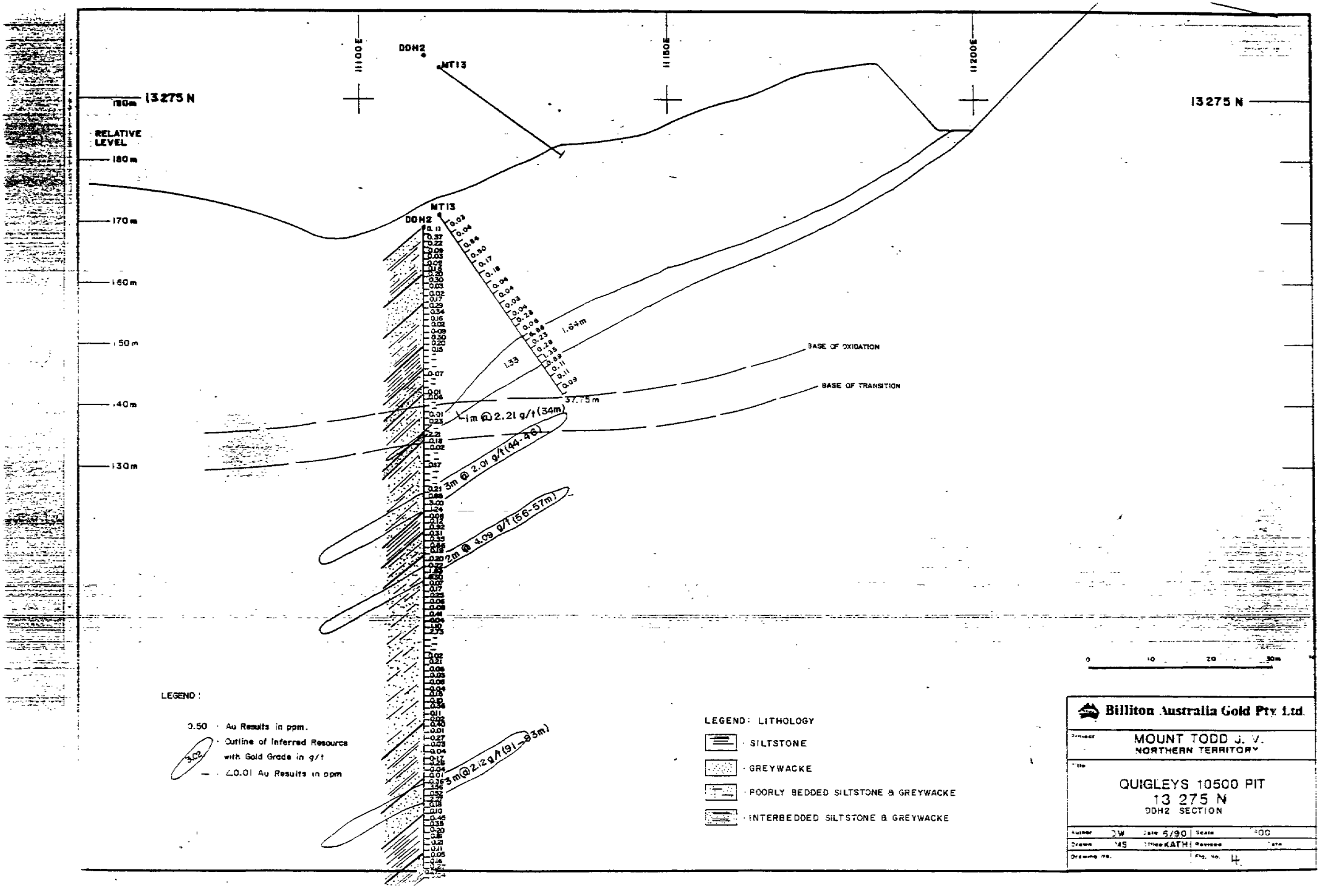


13225N - AU/WEATHERING

SCALE=1: 500

BILLITON AUST B/80

FIG. 3


11100E
DDH2
MT13
11150E
11200E
13275 N
13275 N
RELATIVE LEVEL
180m
170m
160m
150m
140m
130m
MT13
DDH2
1.04m
1.33
37.75m
BASE OF OXIDATION
BASE OF TRANSITION
1m @ 2.21 g/t (34m)
3m @ 2.01 g/t (44-46)
2m @ 4.09 g/t (56-57m)
3m @ 2.12 g/t (91-93m)
0 10 20 30m
LEGEND:
0.50 · Au Results in ppm.
· Outline of Inferred Resource with Gold Grade in g/t
— · <0.01 Au Results in ppm
LEGEND: LITHOLOGY
· SILTSTONE
· GREYWACKE
· POORLY BEDDED SILTSTONE & GREYWACKE
· INTERBEDDED SILTSTONE & GREYWACKE
Billiton Australia Gold Pty Ltd.
Project MOUNT TODD J. V.
NORTHERN TERRITORY
Title
QUIGLEYS 10500 PIT
13 275 N
DDH2 SECTION
Author DW Date 6/90 Scale 1:500
Drawn MS Office KATH Revised
Drawing no. Fig. no. 4

APPENDIX 1

DDHI:- Core Logs and Assay Results

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QUIGLEY C.R.A.E. DRILLHOLES
LITHOLOGICAL LOG
DDH1

METRE FROM	METRE TO	ROCK DESCRIPTION
0.00	13.80	LAM TO BED LIT.WKE + SLST + MUDST D RED TO PUR
13.80	18.00	LAM TO BED LIT.WKE + SLST + MUDST D RED TO PUR + VEIN L GRN
18.00	24.00	BED LIT.WKE + SLST + MUDST D RED TO PUR
24.00	26.10	MA TO BED L GRN SLST + MUDST
26.10	31.30	BREC + VEIN IN MA SLST
31.30	35.00	MA SLST + MUDST D RED TO PUR
35.00	38.00	LITTLE RECOVERY + VEIN
38.00	54.05	V.T.LAM D RED TO PUR
54.05	68.40	L RED + GRN + GRY MA LIT.WKE + SLST .C. STOCKWORK FRACTURE + VEINS
68.40	69.63	FLT.BREC
69.63	69.90	VEIN
69.90	76.30	LAM TO BED SLST + MUDST GRN TO GRY
76.30	99.00	CS TO FS. MA L GRY LIT.WKE
99.00	100.00	L GRY / LIT.WKE + SLST + MUDST
100.00	107.80	L GRY MA LIT.WKE
107.00	138.50	L GRY / SLST + LAM MUDST + MA LIT.WKE
138.50	145.20	L GRY CS TO FS. MA LIT.WKE
145.20	150.90	L GRY MA TO BED CS TO F SLST
150.90	160.70	L GRY MA LIT.WKE
160.70	173.00	L GRY MA CS TO F SLST

GEOLOGICAL LEGEND

CODE — DESCRIPTION

ROCK TYPES

Qtz Arn	Quartz Arenite(Quartzite)
S. Ark	Sub Arkose
S L Ark	Sub Lith Arkose
Ark Arn	Arenaceic Arenite
Lit Arn	Lithic Arenite
Qtz Wke	Quartz Wacke
Ark Wke	Arkosic Wacke
Fel Wke	Feldspathic Wacke
Lit Wke	Lithic Wacke
Gry Wke	Grey Wacke
Slst	Siltstone
Mudst	Mudstone
Soil	Soil
Alluv	Alluvium
Melabas	Metabasalt
Tuff	Tuff
Flt Brec	Fault Breccia
Vein	Vein
No Rec	No Recovery

BEDDING

V.T Lam	Very Thinly Laminated
Lam	Laminated
V T Bed	Very Thinly Bedded
Bed	Bedded
Ma	Massive

SEDIMENTARY STRUCTURE

Flute	Flutes
Scour	Scours
Ripl	Ripples
X Bed	Cross Bedding
Grd Bed	Graded Bedding
Lin	Lineations
Imb	Imbricated
Flms	Flames
Slump	Slumps
Sf Sed Def	Soft Sedimentary Deformation
Loadcasts	Loadcasts

GRAIN SIZE

Gr	Gravel
Vcs	Very Coarse Sand
Ms	Medium Sand
Fs	Fine Sand
Vfs	Very Fine Sand
Sd	Sand
Si	Silt
Cl	Clay

METAMORPHIC MINERALS

Cord	Cordierite
Biot	Biotite
Chl	Chlorite

COLOUR

L	Light
M	Medium
D	Dark
Blk	Black
Blu	Blue
Brn	Brown
Buf	Buff
Grn	Green
Gry	Grey
Oge	Orange
Pnk	Pink
Pur	Purple
Red	Red
Wte	White
Yel	Yellow

DESCRIPTORS

|	Rock Boundary
---	Gradational Boundary
/	Interbedded rock types
@	At
+	And
.C.	With
%	Percent

WEATHERING

C	Complete
W	Weathered
T	Transition
F	Fresh

WATER

D	Dry
M	Moist
W	Wet
I	Injected

HARDNESS

VS	Very Soft
S	Soft
H	Hard
VH	Very Hard
VVH	Very Very Hard

ALTERATION

S	Strong
M	Medium
W	Weak
Sl	Selvages
P	Pervasive
Sil	Silicified
Carb	Carbonate
Chll	Chlorite

LOGGING CODE

WEATHER : W - weathered T - transition F - fresh

HARD : Hardness

The overall hardness of each logging interval was assessed using the following manual index:

VS	Very soft	Cannot be dug out by fingernail; broken by single geopick blow.
S	Soft	Can just be scraped and peeled with a knife. Indentations 1.5 to 3mm show in specimen with firm blows of pick point.
H	Hard	Cannot be scraped with a knife. Hand held specimen can be broken with hammer end of geopick with a single firm blow.
VH	Very Hard	Hand held specimen breaks with more than one blow of hammer end of pick.
VVH	Very Very Hard	Specimen requires many blows with geopick to break intact material.

MAG_SUS Magnetic susceptibility SI - units x 10^{-5}

SULPHID SULPHIDES - Where abbreviated

PYRRHO - Pyrrhotite
CHALCO - Chalcopyrite
ARSENO - Arsenopyrite
SPHAL - Sphalerite

CARBON Carbonate

OTH_MIN Other minerals

S.G. Specific gravity g/cm^3

REC Recovery - % of core per metre interval

FRAC_FR Fracture frequency

With handling breaks disregarded, the number of discontinuities over the logging interval were counted and the total divided by the length of the interval.

VPM Veins per metre

V_THICK Vein thickness (mm)

R.Q.D. Rock Quality Designation

With "handling" breaks disregarded, the RQD for each logging interval was determined from:

$$\text{RQD (\%)} = \frac{\text{total length of pieces} > 100\text{mm}}{\text{length of logging interval}}$$

V_ANGLE Vein angle - measured relative to core long axis.

SO ANGLE Bedding angle - measured relative to core long axis.

COMMENTS

STK FRC - Stockwork Fracture
REV_DIS - Reverse Displacement
Sol_vu - Solution vugs

BILLITON AUSTRALIA

QUIGLEY C.R.A.E. DRILLHOLES

						Sulphide Minerals as Percentage of Total, Sulphide							% Volume of Interval																Au(ppm) Fire Assay Repeat	
METRE_FROM	METRE_TO	SAMPLE_NO	WEATHER	HARD	MAG_SUS	PYRITE	PYRRHO	CHALCO	ARSENO	GALENA	SPHAL	SULPHID	QUARTZ	CARBON	OTH_MIN	ALTERAT	SG	REC	FRAC_FR	VPH	V_THICK	RQD	V_ANGLE	SOANGLE	COMMENTS	AU	AUR
0.00	1.00	26001001	W	SO.	2	0	0	0	0	0	0	0.0	0.0	0.0		W	2.53	47	-9	0	0.0	0	-9	-9		0.005	-0.900
1.00	2.00	26001002	W	SO.	5	0	0	0	0	0	0	0.0	0.0	0.0		W	2.39	85	3	0	0.0	10	-9	65		0.010	-0.900
2.00	3.00	26001003	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0		W	2.38	35	2	0	0.0	10	-9	75		0.010	-0.900
3.00	4.00	26001004	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0		W	2.61	45	2	0	0.0	20	-9	80	MC GR DYK RE DS	0.005	-0.900
4.00	5.00	26001005	W	SO.	7	0	0	0	0	0	0	0.0	0.0	0.0		W	2.34	53	2	0	0.0	10	-9	75	FLW FAC UP HOLE	0.010	-0.900
5.00	6.00	26001006	W	SO.	9	0	0	0	0	0	0	0.0	0.0	0.0		W	2.46	98	15	0	0.0	50	-9	75		0.005	-0.900
6.00	7.00	26001007	W	SO.	11	0	0	0	0	0	0	0.0	2.0	0.0	FeOH	W	2.52	85	5	2	10.0	35	20	52	VUG BU QT LI DS	0.005	0.010
7.00	8.00	26001008	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0		W	2.45	85	4	0	0.0	55	-9	65	DS 20 FRC	0.025	-0.900
8.00	9.00	26001009	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0		W	2.46	65	5	0	0.0	60	-9	72	MIN VUG+VF FRC	0.040	-0.900
9.00	10.00	26001010	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0		W	2.49	90	8	0	0.0	50	-9	60		0.010	-0.900
10.00	11.00	26001011	W	SO.	14	0	0	0	0	0	0	0.0	0.0	0.0		W	2.48	80	3	0	0.0	10	-9	45		0.020	-0.900
11.00	12.00	26001012	W	SO.	7	0	0	0	0	0	0	0.0	0.0	0.0		W	2.51	98	2	0	0.0	75	-9	60	REV DIS 20 FRC	0.010	-0.900
12.00	13.00	26001013	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0		W	2.54	95	3	0	0.0	67	-9	52		0.030	-0.900
13.00	14.00	26001014	W	SO.	7	0	0	0	0	0	0	0.0	0.0	0.0		W	2.51	75	3	0	0.0	47	-9	58		0.005	-0.900
14.00	15.00	26001015	W	VS.	2	0	0	0	0	0	0	0.0	0.0	0.0		P CHLT	2.42	30	7	0	0.0	10	-9	-9	INT 20 FRC-?FLT	0.050	-0.900
15.00	16.00	26001016	W	VS.	5	0	0	0	0	0	0	0.0	0.0	0.0		P CHLT	2.58	45	4	0	0.0	35	-9	-9	INT20 FRC+VU+BR	0.110	-0.900
16.00	17.00	26001017	W	VS.	4	0	0	0	0	0	0	0.0	0.0	0.0		P CHLT	2.55	70	4	0	0.0	30	-9	-9	IT STP FRC-?FL	0.220	0.240
17.00	18.00	26001018	W	VS.	8	0	0	0	0	0	0	0.0	2.7	0.0	Fe0.3	P CHLT	2.53	45	3	1	30.0	0	0	-9	IT STP FRC-?FL	0.430	-0.900
18.00	19.00	26001019	W	SO.	2	0	0	0	0	0	0	0.0	0.0	0.0			2.44	95	5	0	0.0	70	-9	45		0.050	-0.900
19.00	20.00	26001020	W	SO.	3	0	0	0	0	0	0	0.0	0.5	0.0	Fe0.1	W	2.50	94	1	2	3.0	61	15	15	SO//VE	0.005	-0.900
20.00	21.00	26001021	W	SO.	6	0	0	0	0	0	0	0.0	0.0	0.0			2.48	95	6	0	0.0	50	-9	75	FLW FAC UP HOLE	0.060	-0.900
21.00	22.00	26001022	W	SO.	10	0	0	0	0	0	0	0.0	1.2	0.0	Fe0.3	W	2.47	95	7	6	3.0	54	45	60	VE DIS STP FRC	0.010	-0.900
22.00	23.00	26001023	W	SO.	9	0	0	0	0	0	0	0.0	0.8	0.0	Fe0.2	SL	2.56	98	5	2	5.0	68	30	-9		0.010	-0.900
23.00	24.00	26001024	W	SO.	6	0	0	0	0	0	0	0.0	0.0	0.0			2.50	58	5	0	0.0	43	-9	40		0.020	-0.900
24.00	25.00	26001025	W	SO.	7	0	0	0	0	0	0	0.0	0.8	0.0	Fe0.2	P GREEN	2.60	86	3	3	3.0	40	35	45	VE DIS STP FRC	0.020	0.010
25.00	26.00	26001026	W	SO.	9	0	0	0	0	0	0	0.0	1.7	0.0	Fe0.3	W SL	2.55	98	3	4	15.0	53	40	-9		0.040	-0.900
26.00	27.00	26001027	W	SO.	11	0	0	0	0	0	0	0.0	2.0	0.0	Fe0.4	M-P GRN	2.44	88	3	2	12.0	40	35	-9	SHR //SOFRC	0.140	-0.900
27.00	28.00	26001028	W	SO.	4	0	0	0	0	0	0	0.0	8.5	0.0	Fe0.5		2.49	50	4	1	90.0	10	-9	-9		0.050	-0.900
28.00	29.00	26001029	W	SO.	7	0	0	0	0	0	0	0.0	0.2	0.0	Fe0.1		2.63	95	4	1	3.0	20	40	-9	FeOH LINED VUGS	0.120	-0.900
29.00	30.00	26001030	W	SO.	-9	0	0	0	0	0	0	0.0	0.8	0.0	Fe0.2		2.49	10	2	1	10.0	0	30	-9		0.110	-0.900
30.00	31.00	26001031	W	SO.	16	0	0	0	0	0	0	0.0	3.2	0.0	Fe0.4		2.58	36	5	2	30.0	10	40	-9	SO DIS 30FRC+VU	0.030	-0.900
31.00	32.00	26001032	W	SO.	5	0	0	0	0	0	0	0.0	0.0	0.0			2.65	48	4	0	0.0	20	-9	60	20 FRC	0.020	-0.900
32.00	33.00	26001033	W	SO.	4	0	0	0	0	0	0	0.0	0.0	0.0			2.49	45	5	0	0.0	28	-9	-9		0.010	0.010
33.00	34.00	26001034	W	SO.	7	0	0	0	0	0	0	0.0	0.5	0.0	Fe0.1		2.53	95	5	3	2.0	40	30	40	SO//VE+FRC	0.040	-0.900
34.00	35.00	26001035	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.44	68	5	0	0.0	45	-9	30		0.020	-0.900
35.00	36.00	26001036	W	VS.	-9	0	0	0	0	0	0	0.0	0.0	0.0		CHLT	2.60	10	0	0	0.0	0	-9	-9		0.030	-0.900
36.00	37.00	26001037	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0		S+SIL	2.40	10	0	0	0.0	0	-9	-9	BUCK QTZ	0.030	-0.900
37.00	38.00	26001038	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0		S+SIL	2.58	5	0	0	0.0	0	-9	-9	BUCK QTZ	0.010	-0.900
38.00	39.00	26001039	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.50	74	5	0	0.0	50	-9	30	DIS ON 20 FRC	0.020	-0.900
39.00	40.00	26001040	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.50	90	9	0	0.0	52	-9	45		0.005	0.005
40.00	41.00	26001041	W	SO.	8	0	0	0	0	0	0	0.0	0.2	0.0	Fe.03		2.56	48	4	1	3.0	10	20	35		0.005	-0.900
41.00	42.00	26001042	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.50	16	2	0	0.0	12	-9	30		0.005	-0.900
42.00	43.00	26001043	W	SO.	12	0	0	0	0	0	0	0.0	0.0	0.0			2.34	60	2	0	0.0	60	-9	35		0.005	-0.900
43.00	44.00	26001044	W	SO.	12	0	0	0	0	0	0	0.0	0.1	0.0	Fe.02		2.49	70	3	1	2.0	60	40	50		0.005	-0.900
44.00	45.00	26001045	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.48	100	8	0	0.0	83	-9	13		0.005	-0.900
45.00	46.00	26001046	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.37	82	6	0	0.0	0	-9	30		0.005	-0.900
46.00	47.00	26001047	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.50	31	2	0	0.0	11	-9	12		0.005	-0.900
47.00	48.00	26001048	W	SO.	12	0	0	0	0	0	0	0.0	0.7	0.0	Fe.05	W+SL	2.40	90	3	2	4.0	75	32	32	SO// VE+FRC	0.005	-0.900
48.00	49.00	26001049	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.49	70	6	0	0.0	30	-9	20		0.010	-0.900
49.00	50.00	26001050	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.53	97	5	0	0.0	35	-9	20		0.005	-0.900
50.00	51.00	26001051	W	SO.	2	0	0	0	0	0	0	0.0	0.0	0.0			2.55	70	5	0	0.0	21	-9	20		0.005	0.005
51.00	52.00	26001052	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.40	55	2	1	3.0	37	-9	20		0.010	-0.900
52.00	53.00	26001053	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.60	45	10	0	0.0	71	-9	15		0.020	-0.900
53.00	54.00	26001054	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.45	10	0	0	0.0	0	-9	15	SMALL PCE SAMPL	0.030	-0.900
54.00	55.00	26001055	W	SO.	5	0	0	0	0	0	0	0.0	0.0	0.0	Fe2	S-SIL	2.47	50	4	1	120.0	0	-9	-9	MA Fe V FRI....	0.030	0.050

BILLITON AUSTRALIA

QUICLEY C.R.A.E. DRILLHOLES

DDH1

METRE_FROM	METRE_TO	SAMPLE_NO	WEATHER	HARD	MAG_SUS	PYRITE	PYRRHO	CHALCO	ARSENO	GALENA	SPHAL	SULPHID	QUARTZ	CARBON	OTH_MIN	ALTERAT	SG	REC	FRAC_FR	VFR	V_THICK	RQD	V_ANGLE	SOANGLE	COMMENTS	AU	AUR
55.00	56.00	26001056	T	HA.	19	0	0	0	0	0	0	0.0	3.0	0.0	Pel	W+P+SIL	2.68	55	3	1	10.0	12	55	-9	MA Fe V KI1.1UP	2.250	2.160
56.00	57.00	26001057	T	HA.	11	0	0	0	0	0	0	0.0	2.1	0.0	Pe0.4	W+SL	2.62	92	3	7	5.0	66	35	80	Fe APT SUL INF	1.140	1.130
57.00	58.00	26001058	T	HA.	19	0	0	0	0	0	0	0.0	1.7	0.0	Pe1.0	W+SL	2.58	100	3	3	12.0	86	80	70	STK FRC+V+SOLVU	0.390	0.330
58.00	59.00	26001059	T	HA.	20	0	0	0	0	0	0	0.0	2.5	0.0	Pe1.0	W+SL	2.56	100	4	3	15.0	74	40	-9	STK FRC+V+SOLVU	0.660	-0.900
59.00	60.00	26001060	T	HA.	16	0	0	0	0	0	0	0.0	3.2	0.0	Pe0.8	W+SL	2.62	100	8	7	10.0	66	20	-9	STK FRC+V+SOLVU	0.330	0.310
60.00	61.00	26001061	T	HA.	8	0	0	0	0	0	0	0.0	2.5	0.0	Pe1.5	W+SL	2.59	100	4	6	20.0	60	40	-9	STK FRC+V+SOLVU	0.380	-0.900
61.00	62.00	26001062	T	HA.	14	0	0	0	0	0	0	0.0	1.5	0.0	Pe1.5	W+SL	2.66	67	3	5	8.0	30	40	-9	STK FRC+V+SOLVU	1.570	1.850
62.00	63.00	26001063	T	HA.	13	0	0	0	0	0	0	0.0	0.7	0.0	Pe0.3	W+SL	2.56	35	2	3	4.0	0	50	-9	STK FRC+V+SOLVU	3.800	3.820
63.00	64.00	26001064	T	HA.	7	0	0	0	0	0	0	0.0	2.0	0.0	Pe1.0	W+SL	2.66	78	6	4	20.0	50	55	-9	STK FRC+V+SOLVU	0.820	-0.900
64.00	65.00	26001065	T	HA.	11	0	0	0	0	0	0	0.0	4.0	0.0	Pe1.5	W+SL	2.59	100	5	10	20.0	41	60	-9	STK FRC+V+SOLVU	0.340	-0.900
65.00	66.00	26001066	T	HA.	9	0	0	0	0	0	0	0.0	5.0	0.0	Pe1.0	W+SL	2.45	100	5	9	10.0	55	60	-9	VE DSP 10 FRC	0.340	-0.900
66.00	67.00	26001067	T	HA.	8	0	0	0	0	0	0	0.0	3.0	0.0	Pe1.5	W+SL	2.56	95	4	7	20.0	40	70	-9	STK FRC REV DSV	0.380	-0.900
67.00	68.00	26001068	T	HA.	4	0	0	0	0	0	0	0.0	5.5	0.0	Pe0.5	W+SL	2.58	50	3	4	30.0	15	50	-9	STK FRC	0.300	-0.900
68.00	69.00	26001069	T	SO.	8	0	0	0	0	0	0	0.0	2.0	0.0	Cu+Fe	P GRN	2.51	30	2	3	20.0	12	50	-9	.2a SHR CLY ZON	0.310	-0.900
69.00	70.00	26001070	T	SO.	4	0	0	0	0	0	0	0.0	5.0	0.0	Fe2.0	PCHL+SIL	2.61	20	2	1	70.0	0	60	-9	MA Fe QT V ADJ CHL 2	7.600	7.880
70.00	71.00	26001071	T	SO.	11	0	0	0	0	0	0	0.0	10.0	0.0	Fe1.0	PCHL+SIL	2.53	55	3	3	60.0	11	-9	50	REV DIS/SO	0.210	-0.900
71.00	72.00	26001072	T	SO.	14	0	0	0	0	0	0	0.0	2.5	0.0	Fe1.0	W+SL	2.56	58	4	2	40.0	0	50	-9		0.150	-0.900
72.00	73.00	26001073	F	HA.	29	0	0	0	0	0	0	0.0	0.3	0.0	Fe1.0	W+SL	2.69	95	5	2	3.0	44	50	60	SF SED DEF	0.070	-0.900
73.00	74.00	26001074	F	HA.	32	0	0	0	0	0	0	0.0	0.0	0.0			2.69	85	12	0	0.0	0	-9	60		0.050	-0.900
74.00	75.00	26001075	F	HA.	20	100	0	0	0	0	0	0.1	5.7	0.0	Fe0.2	W+SL	-9.00	100	6	7	20.0	40	15	70	1st SIGN F.Py	0.080	0.090
75.00	76.00	26001076	F	HA.	22	100	0	0	0	0	0	0.5	1.2	0.0		W+SL	2.66	100	5	4	5.0	38	70	70	TR CuCO3+VR"SO	0.310	-0.900
76.00	77.00	26001077	F	HA.	27	100	0	0	0	0	0	0.1	0.5	0.0		W+SL	2.67	67	7	1	3.0	18	65	65		0.140	-0.900
77.00	78.00	26001078	F	HA.	20	100	0	0	0	0	0	0.4	0.8	0.0		W+SL	2.80	90	7	3	4.0	25	40	70		0.370	-0.900
78.00	79.00	26001079	F	HA.	24	100	0	0	0	0	0	0.6	1.2	0.0		W+SL	2.63	68	7	2	15.0	20	30	65		0.130	-0.900
79.00	80.00	26001080	F	HA.	19	100	0	0	0	0	0	0.2	0.8	0.0		W+SL	2.80	84	6	5	3.0	43	70	80	.ImTAKEN FOR PETRO	0.180	0.200
80.00	81.00	26001081	F	HA.	21	100	0	0	0	0	0	0.3	0.7	0.0		W+SL	2.73	77	7	3	4.0	45	60	50		0.110	-0.900
81.00	82.00	26001082	F	HA.	20	30	0	0	70	0	0	0.2	0.9	0.0		W+SL	2.76	88	9	2	7.0	40	50	-9	SLICKENSIDS ON FRC	0.110	-0.900
82.00	83.00	26001083	F	HA.	21	0	0	0	0	0	0	0.0	0.5	0.0		W+SL	2.77	77	8	1	5.0	12	60	80		0.040	-0.900
83.00	84.00	26001084	F	HA.	28	0	0	0	0	0	0	0.0	0.0	0.0			2.68	85	8	0	0.0	20	-9	70		0.160	-0.900
84.00	85.00	26001085	F	HA.	24	100	0	0	0	0	0	0.1	0.9	0.0		W+SL	2.70	87	7	3	3.0	35	60	85		0.100	-0.900
85.00	86.00	26001086	F	HA.	24	100	0	0	0	0	0	0.1	0.3	0.0			2.75	72	10	2	2.0	12	67	70		0.110	-0.900
86.00	87.00	26001087	F	HA.	1071	0	0	0	0	0	0	0.0	0.0	0.0			2.72	55	10	0	0.0	0	-9	54		0.100	-0.900
87.00	88.00	26001088	F	HA.	26	100	0	0	0	0	0	0.1	0.7	0.0		W+SL	2.67	46	3	2	7.0	0	60	-9	SHEARED //20 FRC	0.290	-0.900
88.00	89.00	26001089	F	HA.	32	0	0	0	0	0	0	0.0	0.0	0.0			2.74	82	6	0	0.0	32	-9	70		0.110	-0.900
89.00	90.00	26001090	F	HA.	32	70	30	0	0	0	0	0.3	2.1	0.0		W SL	2.76	48	3	2	30.0	0	20	60	SAMPLED?	0.160	0.180
90.00	91.00	26001091	F	HA.	-9	60	20	0	0	0	0	0.8	5.3	0.0		W SL	2.74	30	-9	2	50.0	0	40	-9	SAMPLED?	0.310	-0.900
91.00	92.00	26001092	F	HA.	-9	100	0	0	0	0	0	0.2	1.8	0.0		W SL	2.88	24	3	1	3.0	0	45	-9	SAMPLED?	0.060	-0.900
92.00	93.00	26001093	F	HA.	11	30	60	10	0	0	0	0.4	1.1	0.0		W SL	2.71	100	6	3	4.0	38	60	25		0.160	-0.900
93.00	94.00	26001094	F	HA.	11	100	0	0	0	0	0	0.2	2.3	0.0		W SL	2.74	84	4	3	20.0	46	80	-9		0.030	-0.900
94.00	95.00	26001095	F	HA.	4	100	0	0	0	0	0	0.1	0.5	0.0		W SL	2.66	86	8	3	3.0	51	70	-9		0.360	-0.900
95.00	96.00	26001096	F	HA.	17	90	0	10	0	0	0	0.6	1.8	0.0		W SL	2.71	85	5	4	10.0	38	35	35	BED // VE	0.240	-0.900
96.00	97.00	26001097	F	HA.	17	100	0	0	0	0	0	0.4	1.2	0.0		W SL	2.68	93	3	4	7.0	59	50	-9		0.200	-0.900
97.00	98.00	26001098	F	HA.	32	40	0	0	0	0	60	0.4	2.6	0.0		S SL	2.64	65	5	5	7.0	27	50	-9		0.090	-0.900
98.00	99.00	26001099	F	HA.	28	10	0	0	0	0	90	1.8	4.8	0.0		S SL	2.64	98	5	5	8.0	73	40	45		0.250	-0.900
99.00	100.00	26001100	F	HA.	21	30	0	0	0	0	70	0.3	0.7	0.0		W SL	2.72	98	6	2	2.0	45	20	50		1.050	1.120
100.00	101.00	26001101	F	HA.	21	80	0	20	0	0	0	0.5	0.5	0.0		W SL	2.67	35	6	1	8.0	51	70	60		0.200	-0.900
101.00	102.00	26001102	F	HA.	17	100	0	0	0	0	0	0.2	1.9	0.0		W SL	2.68	80	6	3	7.0	37	60	60	BED SUB // VE	0.070	-0.900
102.00	103.00	26001103	F	HA.	14	30	0	0	0	0	70	0.8	2.2	0.0		S SL	2.56	84	3	2	30.0	47	20	-9		0.320	-0.900
103.00	104.00	26001104	F	HA.	29	100	0	0	0	0	0	0.2	0.5	0.0		S SL	2.65	97	4	2	2.0	65	60	-9		0.200	-0.900
104.00	105.00	26001105	F	HA.	13	70	0	0	0	0	30	0.1	0.9	0.0		W SL	2.68	100	3	2	7.0	78	50	-9		0.310	-0.900
105.00	106.00	26001106	F	HA.	14	40	40	0	0	0	20	0.4	1.1	0.0		W SL	2.69	100	3	5	3.0	67	60	-9		0.150	-0.900
106.00	107.00	26001107	F	HA.	11	100	0	0	0	0	0	0.4	1.4	0.0		W SL	2.66	99	6	4	4.0	55	53	-9		0.050	-0.900
107.00	108.00	26001108	F	HA.	16	60	40	0	0	0	0	0.2	1.3	0.0		W SL	2.68	68	4	2	4.0	37	58	50		0.100	-0.900
108.00	109.00	26001109	F	HA.	13	100	0	0	0	0	0	0.1	0.8	0.0		W SL	2.66	77	4	2	4.0	46	52	52		0.050	-0.900
109.00	110.00	26001110	F	HA.	23	0	0	0	0	0	0	0.0	0.0	0.0			2.83	75	5	0	0.0	57	-9	70		0.020	-0.900

BILLITON AUSTRALIA

QUIGLEY C.R.A.E. DRILLHOLES

DDH1

METRE_FROM	METRE_TO	SAMPLE_NO	WEATHER	HARD	MAG_SUS	PYRITE	PYRRHO	CHALCO	ARSENO	GALENA	SPHAL	SULPHID	QUARTZ	CARBON	OTH_MIN	ALTERAT	SG	RSC	FRAC_FR	VFM	V_THICK	RQD	V_ANGLE	SDANGLE	COMMENTS	AU	AUR
110.00	111.00	26001111	F	HA.	27	20	0	0	0	0	80	0.3	0.7	0.0		W SL	2.67	95	2	2	4.0	90	70	60	FLM FAC UP HOLE	0.005	-0.900
111.00	112.00	26001112	F	HA.	18	100	0	0	0	0	0	0.7	2.4	0.0		S SL	2.62	90	7	5	4.0	54	60	60	FLM FAC UP HOLE	0.180	0.430
112.00	113.00	26001113	F	HA.	13	100	0	0	0	0	0	0.6	1.9	0.0		S SL	2.59	84	7	6	6.0	45	72	32		0.005	-0.900
113.00	114.00	26001114	F	HA.	19	100	0	0	0	0	0	0.1	0.7	0.0		S SL	2.68	99	4	2	3.0	76	55	70		0.010	-0.900
114.00	115.00	26001115	F	HA.	26	100	0	0	0	0	0	0.3	0.5	0.0		S SL	2.04	100	3	3	2.0	80	53	60		0.010	-0.900
115.00	116.00	26001116	F	HA.	21	100	0	0	0	0	0	0.2	0.7	0.0		W SL	2.60	96	5	3	2.0	60	50	23	FLM FAC UP HOLE	0.210	-0.900
116.00	117.00	26001117	F	HA.	14	100	0	0	0	0	0	0.2	1.1	0.0		W SL	2.60	97	5	3	7.0	59	80	40		0.480	-0.900
117.00	118.00	26001118	F	HA.	17	100	0	0	0	0	0	0.4	2.1	0.0		S SL	2.70	99	6	6	6.0	47	60	-9		0.160	0.130
118.00	119.00	26001119	F	HA.	17	100	0	0	0	0	0	0.2	1.0	0.0		S SL	2.74	92	2	4	3.0	82	60	50		0.160	-0.900
119.00	120.00	26001120	F	HA.	16	100	0	0	0	0	0	0.1	0.3	0.0		W SL	2.65	91	8	1	3.0	35	57	48		0.220	-0.900
120.00	121.00	26001121	F	HA.	20	100	0	0	0	0	0	0.2	0.4	0.0		W SL	2.58	74	4	2	3.0	16	70	55	DIS VE ALONG 30 FRAC	0.270	-0.900
121.00	122.00	26001122	F	HA.	16	95	5	5	0	0	0	0.2	0.5	0.0		W SL	2.58	82	7	2	3.0	38	60	-9		0.090	-0.900
122.00	123.00	26001123	F	HA.	23	100	0	0	0	0	0	0.8	1.8	0.0		S SL	2.65	91	6	5	5.0	49	55	22		0.110	-0.900
123.00	124.00	26001124	F	HA.	22	100	0	0	0	0	0	0.9	1.6	0.0		W SL	2.51	100	4	4	6.0	74	70	30		0.410	-0.900
124.00	125.00	26001125	F	HA.	14	0	0	0	0	0	0	0.0	0.0	0.0			2.55	90	3	0	0.0	72	-9	20	FLMS FAC UP HOLE	0.040	-0.900
125.00	126.00	26001126	F	HA.	21	20	0	0	0	0	80	0.0	0.0	0.0		W SL	2.60	99	3	2	4.0	78	10	30	STK FRC 10cm ZONE	0.090	0.080
126.00	127.00	26001127	F	HA.	12	100	0	0	0	0	0	0.8	1.3	0.0		S SL	2.67	98	2	3	7.0	77	20	22	HIGH SUL VE SUB//SO	0.120	-0.900
127.00	128.00	26001128	F	HA.	13	100	0	0	0	0	0	0.2	1.1	0.0		W SL	2.70	96	1	3	3.0	87	58	30		0.090	-0.900
128.00	129.00	26001129	F	HA.	15	100	0	0	0	0	0	0.3	2.1	0.0		W SL	2.69	96	2	6	3.0	78	55	38		0.220	-0.900
129.00	130.00	26001130	F	HA.	13	100	0	0	0	0	0	0.5	1.5	0.0		W SL	2.66	100	3	5	7.0	76	63	22	FLMS FAC UP HOLE	0.270	-0.900
130.00	131.00	26001131	F	HA.	22	80	0	0	0	0	20	0.4	1.6	0.0		W SL	2.63	100	4	5	4.0	62	65	20	NOR DIS ON 10 FRC	0.170	-0.900
131.00	132.00	26001132	F	HA.	24	100	0	0	0	0	0	0.3	2.2	0.0		S SL	2.70	100	5	2	9.0	63	20	20	VE // BED	0.590	-0.900
132.00	133.00	26001133	F	HA.	30	40	0	0	0	0	60	0.4	1.0	0.0		W SL	2.73	100	3	3	3.0	80	60	20		0.190	-0.900
133.00	134.00	26001134	F	HA.	24	20	0	0	0	0	80	1.1	2.0	0.0		S SL	2.76	100	3	5	9.0	82	40	60		0.200	-0.900
134.00	135.00	26001135	F	HA.	19	70	30	30	0	0	0	0.4	1.8	0.0		W SL	2.01	100	4	9	7.0	84	60	20		0.290	-0.900
135.00	136.00	26001136	F	HA.	20	100	0	0	0	0	0	0.3	0.9	0.0		W SL	2.69	96	7	4	4.0	47	45	20		0.370	-0.900
136.00	137.00	26001137	F	HA.	15	100	0	0	0	0	0	0.3	1.2	0.0		S SL	2.71	100	1	4	3.0	100	60	20		0.080	0.060
137.00	138.00	26001138	F	HA.	18	100	0	0	0	0	0	0.1	0.5	0.0		W SL	2.74	100	5	2	3.0	59	70	-9	DIS ON SO FRAC	0.260	-0.900
138.00	139.00	26001139	F	HA.	18	100	0	0	0	0	0	0.4	1.7	0.0		W SL	2.71	100	4	5	7.0	85	70	-9		0.280	-0.900
139.00	140.00	26001140	F	HA.	15	100	0	0	0	0	0	0.4	2.2	0.0		W SL	2.73	100	2	6	4.0	81	60	-9		0.280	-0.900
140.00	141.00	26001141	F	HA.	13	100	0	0	0	0	0	0.8	1.2	0.0		S SL	2.72	100	3	8	6.0	88	60	-9		0.130	-0.900
141.00	142.00	26001142	F	HA.	15	100	0	0	0	0	0	1.2	3.8	0.0		S SL	2.71	100	4	8	7.0	83	60	-9		0.210	-0.900
142.00	143.00	26001143	F	HA.	15	100	0	0	0	0	0	0.4	1.4	0.0		W SL	2.71	98	2	3	7.0	87	65	-9		0.110	-0.900
143.00	144.00	26001144	F	HA.	15	90	10	10	0	0	0	0.7	2.8	0.0		S SL	2.73	94	4	7	5.0	79	62	-9		0.450	-0.900
144.00	145.00	26001145	F	HA.	17	95	5	5	0	0	0	0.4	3.0	0.0		S SL	2.73	100	1	6	8.0	86	38	15	FLMS FAC UP HOLE	0.210	-0.900
145.00	146.00	26001146	F	HA.	22	90	10	10	0	0	0	0.4	1.2	0.0		W SL	2.81	98	4	3	6.0	65	70	17		0.150	-0.900
146.00	147.00	26001147	F	HA.	22	100	0	0	0	0	0	0.2	0.7	0.0		S SL	2.72	100	2	3	1.0	87	60	24		0.270	-0.900
147.00	148.00	26001148	F	HA.	23	100	0	0	0	0	0	0.3	0.6	0.0		S SL	2.72	100	6	5	0.3	74	60	20		0.140	-0.900
148.00	149.00	26001149	F	HA.	24	100	0	0	0	0	0	0.4	1.8	0.0		S SL	2.81	99	4	6	3.0	75	60	20		0.380	-0.900
149.00	150.00	26001150	F	HA.	24	100	0	0	0	0	0	0.7	1.8	0.0		S SL	2.78	92	10	3	7.0	45	20	18	VE ALSO AT 50	0.740	-0.730
150.00	151.00	26001151	F	HA.	38	15	0	0	0	0	85	0.8	0.7	0.0		W SL	2.71	99	2	4	9.0	87	80	50	REV DIS ALONG 20 FRC	0.180	-0.900
151.00	152.00	26001152	F	HA.	16	10	0	0	0	0	90	0.7	1.8	0.0		W SL	2.69	93	3	3	7.0	73	50	-9		0.280	-0.900
152.00	153.00	26001153	F	HA.	20	25	0	0	0	0	75	0.4	1.2	0.0		W SL	2.02	97	5	2	8.0	55	40	-9		0.560	-0.900
153.00	154.00	26001154	F	HA.	14	0	0	0	50	0	0	1.5	4.5	0.0		S SL	2.72	100	3	3	40.0	80	48	-9		1.380	1.470
154.00	155.00	26001155	F	HA.	17	25	0	0	0	0	70	0.8	2.8	0.0		S SL	2.70	100	1	3	5.0	100	60	-9		0.530	-0.900
155.00	156.00	26001156	F	HA.	17	60	40	40	0	0	0	0.3	1.2	0.0		W SL	2.70	100	2	3	5.0	100	57	-9		0.430	-0.900
156.00	157.00	26001157	F	HA.	19	40	0	0	0	0	60	0.7	2.1	0.0		S SL	2.72	100	5	6	5.0	67	70	-9		0.360	-0.900
157.00	158.00	26001158	F	HA.	15	100	0	0	0	0	0	0.4	1.6	0.0		S SL	2.71	97	3	5	9.0	80	20	-9		0.300	-0.900
158.00	159.00	26001159	F	HA.	19	30	70	70	0	0	0	0.6	2.4	0.0		W SL	2.72	100	4	4	7.0	90	65	-9	STK VE	0.160	-0.900
159.00	160.00	26001160	F	HA.	16	100	0	0	0	0	0	0.4	1.2	0.0		S SL	2.75	100	1	4	3.0	100	60	-9		0.270	0.340
160.00	161.00	26001161	F	HA.	17	100	0	0	0	0	0	0.4	1.6	0.0		W SL	2.72	96	5	6	3.0	80	60	50		0.330	-0.900
161.00	162.00	26001162	F	HA.	29	80	15	5	0	0	0	1.3	2.7	0.0		W SL	2.71	100	2	1	13.0	100	15	10	FLMS FAC UP HOLE	1.980	1.850
162.00	163.00	26001163	F	HA.	22	10	0	0	0	0	20	0.3	0.3	0.0		W SL	2.74	100	2	3	2.0	35	60	30	FLMS FAC UP HOLE	1.850	-0.900
163.00	164.00	26001164	F	HA.	17	100	0	0	0	0	0	1.0	2.0	0.0		W SL	2.74	97	2	3	3.0	87	60	30	VE SUB // TO SO	0.350	-0.900
164.00	165.00	26001165	F	HA.	17	70	0	0	0	0	30	1.0	2.0	0.0		W SL	2.75	100	2	5	4.0	100	70	70		0.350	-0.900

BILLITON AUSTRALIA

QUIGLEY C.R.A.E. DRILLHOLES

DDH1

METER_FROM	METRE_TO	SAMPLE_NO	WEATHER	HARD	MAG_SUS	PYRITE	PYRRHO	CHALCO	ARSENO	GALENA	SPHAL	SULPHID	QUARTZ	CARBON	OTH_MIN	ALTERAT	SG	REC	FRAC_FR	VEN	V_THICK	RQD	V_ANGLE	SOANGLE	COMMENTS	AU	AUR
165.00	166.00	26001166	F	HA.	25	60	0	20	0	0	0	0.4	1.4	0.0		W SL	2.72	100	3	3	2.0	87	30	-9		0.030	-0.900
166.00	167.00	26001167	F	HA.	24	0	0	0	0	0	0	0.0	0.0	0.0			2.74	95	2	0	0.0	82	-9	-9		0.030	-0.900
167.00	168.00	26001168	F	HA.	29	100	0	0	0	0	0	0.4	0.2	0.0		S SL	2.73	99	2	1	2.0	99	20	10		0.030	-0.900
168.00	169.00	26001169	F	HA.	29	100	0	0	0	0	0	0.5	0.3	0.0		W SL	2.81	93	4	1	2.0	93	15	10		0.120	-0.900
169.00	170.00	26001170	F	HA.	26	20	0	0	0	0	80	0.3	0.3	0.0		S SL	2.70	100	3	3	2.0	81	65	-9		0.050	-0.900
170.00	171.00	26001171	F	HA.	17	100	0	0	0	0	0	0.1	0.5	0.0		W SL	2.70	94	2	3	2.0	94	45	-9		0.200	-0.900
171.00	172.00	26001172	F	HA.	14	60	0	40	0	0	0	0.1	0.6	0.0		W SL	2.72	100	3	3	3.0	100	60	-9		0.040	-0.900
172.00	173.00	26001173	F	HA.	18	100	0	0	0	0	0	0.3	1.3	0.0		S SL	2.78	100	5	4	4.0	76	25	22		0.090	-0.900

APPENDIX 2

DDH2:- Core Logs and Assay Results

BILLITON AUSTRALIA
QUIGLEY C.R.A.E. DRILLHOLES
LITHOLOGICAL LOG
DDH2

METRE FROM	METRE TO	ROCK DESCRIPTION
0.00	7.10	RED TO PUR BED LIT.WKE + SLST + MUDST
7.10	12.10	RED TO PUR MA LIT.WKE
12.10	19.40	RED TO PUR BED LIT.WKE + SLST + MUDST
19.40	22.90	RED TO PUR LAM SLST + MUDST
22.90	25.50	RED TO PUR BED LIT.WKE + SLST + MUDST
25.50	26.40	L RED TO L GRY MA LIT.WKE
26.40	33.40	L RED TO L GRY BED LIT.WKE + LAM SLST + MUDST
33.40	34.30	L GRY MA LIT.WKE
34.30	46.10	D GRY / LIT.WKE + SLST + LAM MUDST
46.10	49.50	D GRY / SLST + LAM MUDST
49.50	53.20	D GRY / LIT.WKE + LAM SLST
53.20	79.40	L TO D GRY MA LIT.WKE + SLST
79.40	88.10	L TO D GRY BED LIT.WKE + LAM SLST
88.10	94.15	L TO D GRY MA LIT.WKE
94.15	100.20	D GRY + SLST + LAM MUDST
100.20	105.20	D GRY MA LIT.WKE + RARE /'S OF LAM SLST
105.20	105.80	D GRY / LAM SLST + MUDST

GEOLOGICAL LEGEND

CODE — DESCRIPTION

ROCK TYPES

Qtz. Arn	Quartz Arenite(Quartzite)	Melabas	Melabasalt
S Ark	Sub Arkose	Tuff	Tuff
S L Ark	Sub Lith Arkose	Flt. Brec	Fault Breccia
Ark Arn	Arenosic Arenite	Vein	Vein
Lit Arn	Lithic Arenite	No Rec	No Recovery
Qtz Wke.	Quartz Wacke		
Ark Wke	Arkosic Wacke		
Fel. Wke	Feldspathic Wacke		
Lit Wke	Lithic Wacke	**BEDDING**	
Gry. Wke	Grey Wacke	V T Lam	Very Thinly Laminated
Slst	Siltstone	Lam	Laminated
Mudst	Mudstone	V. T. Bed.	Very Thinly Bedded
Soil	Soil	Bed	Bedded
Alluv	Alluvium	Ma	Massive

SEDIMENTARY STRUCTURE

Flute	Flutes
Scour	Scours
Ripl	Ripples
X Bed	Cross Bedding
Grd Bed	Graded Bedding
Lin	Lineations
Imb	Imbricated
Flme	Flames
Slump	Slumps
Sl.Sed.Def	Soft Sedimentary Deformation
Loadcasts	Loadcasts

GRAIN SIZE

Gr	Gravel
Vcs	Very Coarse Sand
Ms	Medium Sand
Fs.	Fine Sand
Vfs	Very Fine Sand
Sd	Sand
Si	Silt
Cl.	Clay

METAMORPHIC MINERALS

Cord	Cordierite
Biot	Biotite
Chl	Chlorite

COLOUR

L	Light
M	Medium
D	Dark
Blk	Black
Blu	Blue
Brn	Brown
Buf	Buff
Grn	Green
Gry	Grey
Oge	Orange
Pnk	Pink
Pur	Purple
Red	Red
Wte	White
Yel	Yellow

DESCRIPTORS

!	Rock Boundary
—	Gradational Boundary
/	Interbedded rock types
@	At
+	And
.C.	With
%	Percent

WEATHERING

C	Complete
W	Weathered
T	Transition
F	Fresh

WATER

D	Dry
M	Moist
W	Wet
I	Injected

HARDNESS

VS	Very Soft
S	Soft
H	Hard
VH	Very Hard
VVH	Very Very Hard

ALTERATION

S	Strong
M	Medium
W	Weak
Sl	Selvages
P	Pervasive
Sil	Silicified
Carb	Carbonate
Chlt	Chlorite

BILLITON AUSTRALIA

QUIGLEY C.R.A.K. DRILLHOLES

DDH2

						Sulphide Minerals as Percentage of Total Sulphide							% Volume of Interval											Au1ppm	Fire Assay Repeat
METRE_FROM	METRE_TO	SAMPLE_NO	WEATHER	HARD	MAG_SUS	PYRITE	PYRRHO	CHALCO	ARSENO	GALENA	SPHAL	SULPHID	QUARTZ	CARBON	OTH_MIN	ALTERAT	SG	REC	FRAC_FR	VEN	V_THICK	AQD	V_ANGLE	SCANGLE	COMMENTS	AU	AUR
0.00	1.00	26002001	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0			2.35	40	-9	0	0.0	0	-9	-9	6cm FRAGMENTS	0.110	-0.900
1.00	2.00	26002002	W		-9	0	0	0	0	0	0	0.0	0.0	0.0			2.36	50	-9	0	0.0	0	-9	-9	6cm FRAGMENTS	0.370	-0.900
2.00	3.00	26002003	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0			2.39	50	-9	0	0.0	0	-9	-9	6cm FRAGMENTS	0.220	-0.900
3.00	4.00	26002004	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0			2.36	50	-9	0	0.0	0	-9	-9	6cm FRAGMENTS	0.090	-0.900
4.00	5.00	26002005	W	SO.	-9	0	0	0	0	0	0	0.0	0.0	0.0			2.36	55	6	0	0.0	25	-9	45	HQ TO NQ	0.030	-0.900
5.00	6.00	26002006	W	SO.	3	0	0	0	0	0	0	0.0	0.0	0.0			2.34	80	4	0	0.0	28	-9	52		0.020	0.020
6.00	7.00	26002007	W	SO.	15	0	0	0	0	0	0	0.0	0.2	0.0	Fe0.1		2.41	70	6	1	3.0	68	5	50		0.160	-0.900
7.00	8.00	26002008	W	SO.	18	0	0	0	0	0	0	0.0	0.0	0.0			2.47	100	7	0	0.0	56	-9	50		0.200	-0.900
8.00	9.00	26002009	W	SO.	14	0	0	0	0	0	0	0.0	0.8	0.0	Fe0.2		2.21	70	2	7	2.0	47	20	33	MIN STK VE 30cm	0.300	-0.900
9.00	10.00	26002010	W	SO.	7	0	0	0	0	0	0	0.0	0.0	0.0			2.47	85	4	0	0.0	38	-9	56		0.030	-0.900
10.00	11.00	26002011	W	SO.	15	0	0	0	0	0	0	0.0	0.6	0.0	Fe0.2		2.52	73	3	4	2.0	33	20	60	20cm STK VE	0.020	-0.900
11.00	12.00	26002012	W	SO.	9	0	0	0	0	0	0	0.0	0.5	0.0	Fe0.5	M SL	2.44	85	2	1	3.0	50	15	50		0.170	-0.900
12.00	13.00	26002013	W	SO.	7	0	0	0	0	0	0	0.0	0.5	0.0	Fe0.1	W SL	2.45	55	3	1	3.0	46	18	50		0.230	-0.900
13.00	14.00	26002014	W	SO.	13	0	0	0	0	0	0	0.0	0.2	0.0	Fe0.4	W SL	2.56	75	6	1	4.0	14	15	50		0.340	-0.900
14.00	15.00	26002015	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.46	100	2	0	0.0	85	-9	50		0.160	-0.900
15.00	16.00	26002016	W	SO.	3	0	0	0	0	0	0	0.0	0.3	0.0	Fe0.2	W SL	2.38	100	4	1	5.0	54	20	50		0.820	-0.900
16.00	17.00	26002017	W	SO.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.41	90	3	0	0.0	62	-9	55		0.090	-0.900
17.00	18.00	26002018	W	SO.	15	0	0	0	0	0	0	0.0	0.0	0.0			2.24	55	3	0	0.0	24	-9	40		0.300	-0.900
18.00	19.00	26002019	W	SO.	8	0	0	0	0	0	0	0.0	0.4	0.0	Fe0.4	M SL	2.48	80	4	3	2.0	56	30	45		0.200	-0.900
19.00	20.00	26002020	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.43	82	4	0	0.0	56	-9	65		0.150	-0.900
20.00	21.00	26002021	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.32	78	9	0	0.0	11	-9	70		0.005	-0.900
21.00	22.00	26002022	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.48	71	6	0	0.0	0	-9	62		0.045	-0.900
22.00	23.00	26002023	W	SO.	10	0	0	0	0	0	0	0.0	0.0	0.0			2.48	92	10	0	0.0	54	-9	60		0.005	-0.900
23.00	24.00	26002024	W	SO.	83	0	0	0	0	0	0	0.0	0.6	0.0	Fe0.2	W SL	2.48	98	4	2	2.0	58	10	-9		0.070	-0.900
24.00	25.00	26002025	W	SO.	7	0	0	0	0	0	0	0.0	0.0	0.0			2.32	96	8	0	0.0	24	-9	70		0.005	-0.900
25.00	26.00	26002026	W	SO.	7	0	0	0	0	0	0	0.0	0.4	0.0	Fe0.2	W SL	2.46	88	5	1	3.0	66	10	70		0.005	-0.900
26.00	27.00	26002027	W	SO.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.45	93	5	0	0.0	79	-9	60		0.010	-0.900
27.00	28.00	26002028	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.49	98	5	0	0.0	63	-9	60		0.060	-0.900
28.00	29.00	26002029	W	SO.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.47	85	3	0	0.0	50	-9	60	1m STK FRAC ZON	0.005	-0.900
29.00	30.00	26002030	T	SO-H	13	0	0	0	0	0	0	0.0	0.6	0.0	Fe0.4		2.35	58	4	2	4.0	38	40	60	M DSP ON 20FRAC	0.005	-0.900
30.00	31.00	26002031	T	HA	20	0	0	0	0	0	0	0.0	0.7	0.0	Fe0.1		2.62	100	3	1	2.0	68	5	60	FLW FAC UPHOL	0.010	-0.900
31.00	32.00	26002032	T	SO-H	17	0	0	0	0	0	0	0.0	2.0	0.0	Fe1.2	S SL	2.50	100	5	2	27.0	55	70	70	SO//VE	0.230	-0.900
32.00	33.00	26002033	T	SO-H	20	0	0	0	0	0	0	0.0	0.2	0.0	Fe0.1	S SL	2.55	100	3	1	2.0	40	55	60	SO//VE	0.005	-0.900
33.00	34.00	26002034	T	HA.	13	0	0	0	0	0	0	0.0	1.7	0.0	Fe1.7	S SL	2.54	100	5	2	17.0	80	50	60	FLW FAC UPHOL	2.210	2.360
34.00	35.00	26002035	T	HA.	20	0	0	0	0	0	0	0.0	1.3	0.0	Fe0.7	S SL	2.67	95	3	1	8.0	90	40	60	10cm P SHEE VE	0.180	-0.900
35.00	36.00	26002036	T	HA.	20	0	0	0	0	0	0	0.0	0.3	0.0	Fe0.1	W SL	2.63	96	6	1	2.0	80	23	30	BASE OF VEE ZON	0.020	-0.900
36.00	37.00	26002037	F	HA.	21	100	0	0	0	0	0	0.4	3.2	0.0		W SL	2.66	95	4	4	7.0	90	40	40	15cm VE DISSOFR	0.005	-0.900
37.00	38.00	26002038	F	HA.	27	0	0	0	0	0	0	0.0	0.8	0.0		W SL	2.59	70	4	3	2.0	37	50	30	INT FRC SUB//SO	0.005	-0.900
38.00	39.00	26002039	F		0	70	0	10	20	0	0	0.4	6.5	0.0		S+SIL	2.56	44	-9	1	70.0	0	50	-9	STK VE ADJ MA V	0.170	-0.900
39.00	40.00	26002040			-9	0	0	0	0	0	0	0.0	0.0	0.0			-9.00	-9	-9	0	0.0	0	-9	-9	NO RECOVERY	-0.900	-0.900
40.00	41.00	26002041			-9	0	0	0	0	0	0	0.0	0.0	0.0			-9.00	-9	-9	0	0.0	0	-9	-9	NO RECOVERY	-0.900	-0.900
41.00	42.00	26002042	F	HA.	26	0	0	0	0	0	0	0.0	3.0	0.0	Fe0.8	S+SL	2.66	60	2	2	20.0	48	50	-9	VUG IN VE 1%	0.005	-0.900
42.00	43.00	26002043	F	HA.	32	100	0	0	0	0	0	0.1	6.0	0.0		W+SL	2.79	86	6	2	50.0	26	20	-9	OXD SUL ADJ VE	0.210	-0.900
43.00	44.00	26002044	F	HA.	-9	50	0	50	0	0	0	0.8	1.6	0.0		W+SL	2.66	42	4	2	10.0	15	20	-9		0.880	-0.900
44.00	45.00	26002045	F	HA.	-9	40	0	0	60	0	0	0.8	1.5	0.0		SIL	2.73	8	-9	1	3.0	0	-9	-9	SAMPLED?	3.800	4.590
45.00	46.00	26002046	F	HA.	32	0	0	0	0	0	0	0.0	0.0	0.0			2.71	85	4	9	0.0	25	-9	50		1.340	1.230
46.00	47.00	26002047	F	HA.	36	70	0	0	30	0	0	0.5	0.6	0.0		M+SL	2.78	70	7	1	4.0	22	8	55	REV DIS 5 FRAC	0.080	-0.900
47.00	48.00	26002048	F	HA.	25	0	0	0	0	0	0	0.0	0.0	0.0			2.14	92	6	0	0.0	25	-9	70		0.120	-0.900
48.00	49.00	26002049	F	HA.	20	30	20	0	0	0	0	0.7	0.3	0.0		M+SL	2.41	92	5	1	5.0	64	23	50		1.920	-0.900
49.00	50.00	26002050	F	HA.	34	100	0	0	0	0	0	0.1	0.7	0.0		W+SL	2.56	68	7	1	5.0	30	12	50		0.310	0.330
50.00	51.00	26002051	F	HA.	35	0	0	1	0	0	0	0.0	0.0	0.0			2.51	91	4	0	0.0	33	-9	70		0.350	-0.900
51.00	52.00	26002052	F	HA.	22	100	0	0	0	0	0	0.1	0.2	0.0		W+SL	2.41	79	6	1	3.0	10	15	70		0.660	-0.900
52.00	53.00	26002053	F	HA.	11							0.0	0.0	0.0			2.53	93	4	0	0.0	10	-9	60		0.130	-0.900
53.00	54.00	26002054	F	HA.	10							0.0	0.0	0.0			2.51	75			0.0	12	-9	--		0.005	-0.900
54.00	55.00	26002055	F	HA.	2	0	0					0.1	0.4	0.0		S+SL	2.68	73	7	2	5.0	25	25	-9		0.220	-0.900

BILLITON AUSTRALIA

QUIGLEY C.R.A.E. DRILLHOLES

DDH2

METRE_FROM	METRE_TO	SAMPLE_NO	WEATHER	HARD	MAG_SUS	PYRITE	PYRRHO	CHALCO	ARSENO	GALENA	SPHAL	SULPHID	QUARTZ	CARBON	OTH_MIN	ALTERAT	SG	REC	FRAC_FR	VFM	V_THICK	RQD	V_ANGLE	SDANGLE	COMMENTS	AU	AUR
55.00	56.00	26002056	F	HA.	12	30	0	0	70	0	0	0.6	0.9	0.0		S+SL	2.50	50	4	1	12.0	0	12	60		1.870	1.410
56.00	57.00	26002057	F	HA.	15	60	40	0	0	0	0	1.0	5.0	0.0		W+SL	2.53	40	2	2	10.0	19	30	55	SAMPLED?	6.300	6.060
57.00	58.00	26002058	F	HA.	22	0	0	0	0	0	0	0.0	0.0	0.0			2.48	60	3	0	0.0	13	-9	70		0.070	-0.900
58.00	59.00	26002059	F	HA.	-9	100	0	0	0	0	0	0.2	0.2	0.0		M+SL	2.53	45	4	1	4.0	0	15	-9	SAMPLED?	0.170	-0.900
59.00	60.00	26002060	F	HA.	27	40	0	0	60	0	0	0.7	1.3	0.0		M+SL	2.77	45	4	2	10.0	0	25	-9	SAMPLED?	0.250	0.210
60.00	61.00	26002061	F	HA.	13	20	0	0	80	0	0	0.8	2.3	0.0		S+SL	2.62	80	5	3	7.0	12	15	-9		0.060	-0.900
61.00	62.00	26002062	F	HA.	11	0	0	0	0	0	0	0.0	0.0	0.0			2.61	56	4	0	0.0	16	-9	-9		0.080	-0.900
62.00	63.00	26002063	F	HA.	15	100	0	0	0	0	0	0.3	0.6	0.0		SIL+W+SL	2.46	28	3	1	6.0	0	30	-9	MA QT VR+SLS BR	0.410	-0.900
63.00	64.00	26002064	F	HA.	-9	0	0	0	0	0	0	0.0	50.0	0.0		P SIL	2.33	35	-9	1	100.0	0	-9	-9	MA QT VR+SLS BR	0.040	-0.900
64.00	65.00	26002065	F	HA.	-9	0	0	0	0	0	0	0.0	50.0	0.0		P SIL	2.43	25	-9	1	100.0	0	-9	-9	MA QT VR+SLS BR	1.100	-0.900
65.00	66.00	26002066	F	HA.	-9	100	0	0	0	0	0	0.5	2.5	0.0		P SIL	2.80	20	-9	1	40.0	0	10	-9	MA QT VR+SLS BR	2.730	2.740
66.00	67.00	26002067	F		-9	0	0	0	0	0	0	0.0	0.0	0.0			-9.00	-9	-9	0	0.0	0	-9	-9	NO RECOV.	-0.900	-0.900
67.00	68.00	26002068	F	VH.	-9	0	0	0	0	0	0	0.0	0.0	0.0		P SIL	2.67	5	-9	0	0.0	0	-9	-9	VR STK	-0.900	-0.900
68.00	69.00	26002069	F	VH.	-9	0	0	0	0	0	0	0.0	0.0	0.0		P SIL	2.50	5	-9	0	0.0	0	-9	-9	VR STK	-0.900	-0.900
69.00	70.00	26002070	F	VH.	-9	0	0	0	0	0	0	0.0	0.0	0.0		P SIL	2.64	20	-9	0	0.0	0	-9	-9	STK FRC 2cm	0.020	-0.900
70.00	71.00	26002071	F	VH.	-9	0	0	0	0	0	0	0.0	0.0	0.0		P SIL	2.50	10	-9	0	0.0	0	-9	-9	STK FRC 2cm	0.210	-0.900
71.00	72.00	26002072	F	VH.	-9	0	0	0	0	0	0	0.0	0.0	0.0		P SIL	2.98	25	-9	0	0.0	0	-9	-9	STK FRC 2cm	0.060	-0.900
72.00	73.00	26002073	F	VH.	-9	0	0	0	0	0	0	0.0	0.5	0.0	Fe0.2	P SIL	2.59	25	-9	1	7.0	0	12	-9	STK VR	0.030	-0.900
73.00	74.00	26002074	F	VH.	-9	0	0	0	0	0	0	0.0	0.0	0.0		P SIL	2.76	19	-9	0	0.0	0	-9	-9		0.050	-0.900
74.00	75.00	26002075	F	VH.	8	0	0	0	0	0	0	0.0	0.0	0.0			2.69	64	3	0	0.0	20	-9	-9		0.040	-0.900
75.00	76.00	26002076	F	HA.	11	100	0	0	0	0	0	0.1	0.5	0.0			2.84	98	3	1	2.0	63	0	-9		0.150	-0.900
76.00	77.00	26002077	F	HA.	12	0	0	0	0	0	0	0.0	0.0	0.0			2.74	78	3	0	0.0	78	-9	-9		0.100	-0.900
77.00	78.00	26002078	F	HA.	20	100	0	0	0	0	0	0.2	0.3	0.0			2.61	100	4	1	3.0	42	15	-9		0.360	-0.900
78.00	79.00	26002079	F	HA.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.54	99	5	0	0.0	65	-9	-9		0.110	-0.900
79.00	80.00	26002080	F	HA.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.73	91	3	0	0.0	70	-9	60		0.020	-0.900
80.00	81.00	26002081	F	HA.	21	0	0	0	0	0	0	0.0	0.0	0.0			2.62	66	5	0	0.0	60	-9	70		0.490	-0.900
81.00	82.00	26002082	F	HA.	10	0	0	0	0	0	0	0.0	0.0	0.0			2.67	91	4	0	0.0	45	-9	70	FLM FAC UP HOL	0.010	-0.900
82.00	83.00	26002083	F	HA.	20	0	0	0	0	0	0	0.0	0.0	0.0			2.66	95	5	0	0.0	90	-9	60		0.270	-0.900
83.00	84.00	26002084	F	HA.	24	0	0	0	0	0	0	0.0	0.0	0.0			2.69	57	4	0	0.0	11	-9	67		0.030	-0.900
84.00	85.00	26002085	F	HA.	50	100	0	0	0	0	0	0.3	2.0	0.0		M SL	2.73	93	5	3	5.0	45	30	70		0.040	-0.900
85.00	86.00	26002086	F	HA.	21	100	0	0	0	0	0	0.1	0.2	0.0		W SL	2.73	84	6	1	3.0	18	20	72		0.170	-0.900
86.00	87.00	26002087	F	HA.	28	100	0	0	0	0	0	0.1	0.5	0.0		M SL	2.75	74	5	1	3.0	39	15	70		0.280	-0.900
87.00	88.00	26002088	F	HA.	24	0	0	0	0	0	0	0.0	0.0	0.0			2.70	69	8	0	0.0	12	-9	55		0.040	-0.900
88.00	89.00	26002089	F	HA.	13	0	0	0	0	0	0	0.0	0.0	0.0			2.75	84	8	0	0.0	25	-9	50		0.810	-0.900
89.00	90.00	26002090	F	HA.	17	100	0	0	0	0	0	0.7	1.3	0.0		S SL	2.72	97	7	3	7.0	37	50	85	VR DIS 40 FRC	0.360	0.420
90.00	91.00	26002091	F	HA.	84	40	0	0	60	0	0	0.7	5.0	0.0		P SIL	2.88	59	3	2	20.0	0	60	-9	SAMPLED ?	3.560	3.330
91.00	92.00	26002092	F	HA.	24	50	0	0	50	0	0	0.2	1.8	0.0		M SL	2.68	70	4	1	30.0	21	20	-9	BRC+FRC20 SAMP?	0.520	0.470
92.00	93.00	26002093	F	HA.	38	40	50	10	0	0	0	5.0	17.0	0.0		S SL	3.07	100	5	2	20.0	48	0	-9	BIFURCATING VR	2.270	2.190
93.00	94.00	26002094	F	HA.	21	100	0	0	0	0	0	0.3	2.4	0.0		W SL	2.78	85	7	2	4.0	38	10	85		0.180	-0.900
94.00	95.00	26002095	F	HA.	22	100	0	0	0	0	0	0.2	1.7	0.0		W SL	2.75	95	6	4	5.0	33	18	70		0.190	-0.900
95.00	96.00	26002096	F	HA.	11	40	60	0	0	0	0	0.4	0.4	0.0		M SL	2.69	71	7	1	8.0	28	5	68	STK FRC 15cm	0.450	-0.900
96.00	97.00	26002097	F	HA.	-9	100	0	0	0	0	0	0.2	0.6	0.0		W SL	2.34	60	6	1	7.0	0	20	-9		0.350	-0.900
97.00	98.00	26002098	F	HA.	17	100	0	0	0	0	0	0.1	0.4	0.0		W SL	2.70	64	5	2	3.0	20	15	85		0.200	-0.900
98.00	99.00	26002099	F	HA.	32	100	0	0	0	0	0	0.2	0.5	0.0		M SL	2.73	70	8	2	3.0	0	20	-9		0.810	-0.900
99.00	100.00	26002100	F	HA.	32	100	0	0	0	0	0	0.3	0.5	0.0		W SL	2.74	85	3	1	8.0	57	80	50		0.210	-0.900
100.00	101.00	26002101	F	HA.	24	0	0	0	0	0	0	0.0	0.0	0.0			2.67	100	7	0	0.0	52	-9	-9		0.110	-0.900
101.00	102.00	26002102	F	HA.	17	0	0	0	0	0	0	0.0	0.0	0.0			2.70	100	9	0	0.0	47	-9	70		0.050	-0.900
102.00	103.00	26002103	F	HA.	12	100	0	0	0	0	0	0.1	1.1	0.0		W SL	2.61	99	2	1	3.0	74	10	50	NODULE	0.160	-0.900
103.00	104.00	26002104	F	HA.	15	0	0	0	0	0	0	0.0	0.0	0.0			2.68	100	7	0	0.0	64	-9	70		0.270	-0.900
104.00	105.00	26002105	F	HA.	13	100	0	0	0	0	0	0.2	0.5	0.0			2.66	90	5	1	4.0	57	15	-9		0.270	-0.900
105.00	105.80	26002106	F	HA.	20	0	0	0	0	0	0	0.0	0.0	0.0			2.73	75	7	0	0.0	15	-9	75		0.040	-0.900

APPENDIX 3

Petrographic Report - Biotite granite dyke

DDH1. Weakly porphyritic, fine grained I-type biotite granite.

Prominent minor blocky tabular plagioclase phenocrysts are zoned from heavily sericitised core about AN_{30} to rims about AN_{15}. Very rare tabular biotite phenocrysts are up to 5mm across.

The groundmass consists of 0.1-1mm blocky tabular sericitised, albitised plagioclase, and interstitial anhedral 0.1-1mm quartz, orthoclase, and biotite(8%). Plagioclase and orthoclase are in roughly equal abundance. Apatite is slightly prominent and biotite is lightly chloritised. Fluid inclusions in quartz are weakly saline and rarely vapour rich. No CO_2 can be made to liquate with a freezing spray.

Biotite is a typical colour for I-type granites.