



NORMANDY
GOLD PTY LIMITED

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FOURTH ANNUAL REPORT

FOR EXPLORATION LICENCE 8142

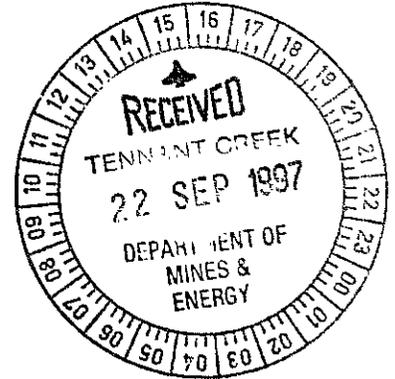
FOR THE PERIOD 23/8/96 TO 22/8/97

BARROW CREEK DISTRICT, NORTHERN TERRITORY

CROWCALL PROSPECT

BARROW CREEK 1:250,000 SHEET SF 53-6

VOLUME 1 OF 1



AUTHOR: J WEST
EXPLORATION GEOLOGIST

DATE: SEPTEMBER 1997

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CONTENTS

Page

LIST OF FIGURES
LIST OF TABLES
LIST OF APPENDICES

1.	SUMMARY	1
2.	INTRODUCTION	2
	2.1 Location and Access	2
	2.2 Climate and Physiography	2
	2.3 Tenure	2
3.	REGIONAL GEOLOGY	3
4.	LOCAL GEOLOGY	4
5.	EXPLORATION	4
	5.1 Previous Exploration	4
	5.2 Exploration for the Reporting Period 23/8/96 to 22/8/97	4
	5.3 Exploration Expenditure for the Period 23/8/96 to 22/8/97	5
6.	CONCLUSIONS AND PROPOSED EXPLORATION AND EXPENDITURE	5
7.	REFERENCES	6

LIST OF FIGURES

<u>Figure No.</u>	<u>Title</u>	<u>Scale</u>
1	EL 8142 Crow Call Location Plan	1:250,000
2	Regolith Map	1:100,000
3	RAB Hole Location Plan	1:10,000
4	RAB Holes Section 8250 East Lithology and Au	1:5,000
5	RAB Holes Section 8250 East Cu and Bi	1:5,000
6	RAB Holes Section 8400 East Lithology and Au	1:5,000
7	RAB Holes Section 8400 East Cu and Bi	1:5,000
8	RAB Holes Section 9950 East Lithology and Au	1:5,000
9	RAB Holes Section 9950 East Cu and Bi	1:5,000

LIST OF TABLES

<u>Table No.</u>	<u>Title</u>
1	Exploration Expenditure on EL 8142 from 23/8/96 to 22/8/97
2	Proposed Exploration Expenditure for 23/8/97 to 22/8/98

LIST OF APPENDICES

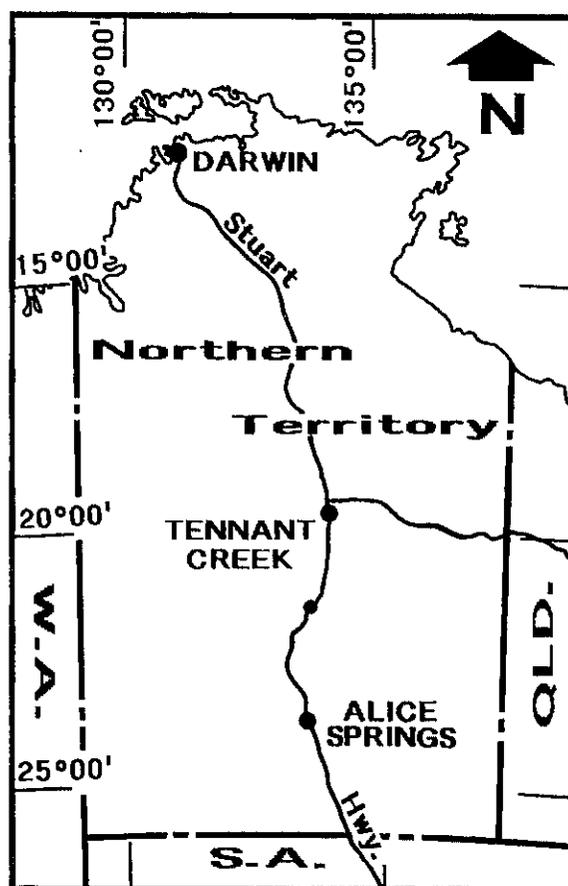
<u>Appendix No.</u>	<u>Title</u>
1	Bibliographic Data Sheet
2	RAB Drilling Collar Data
3	RAB Drilling Geochemical Analysis Results
4	RAB Drilling Lithology Data

REPORT NO: 97074

TITLE: FOURTH ANNUAL REPORT FOR EXPLORATION LICENCE 8142 FOR THE PERIOD 23/8/96 TO 22/8/97, BARROW CREEK DISTRICT, NORTHERN TERRITORY, CROWCALL PROSPECT

AUTHOR: J WEST

DATE: SEPTEMBER 1997



1. SUMMARY

Exploration of EL 8142 over the period 23/8/96 to 22/8/97 included a RAB program, and field mapping combined with interpretation of existing geophysical data sets to produce a Regional Regolith Map. The 2 graticular blocks on which the RAB program was concentrated have since been relinquished, as the results did not warrant follow up work.

2. INTRODUCTION

Exploration Licence 8142 which forms part of the Barrow Creek Group of tenements, is currently being explored for "Granites" style and/or shear hosted gold mineralisation under a joint venture agreement between Normandy Gold Pty Limited (Normandy), Normandy Exploration (Norex) and Yuendumu Mining Company (YMC). This forms the Barrow Creek Joint Venture (BCJV).

Exploration carried out on EL 8142 by Normandy on behalf of the BCJV has included a RAB program, and field mapping combined with interpretation of existing geophysical data sets to produce a Regional Regolith Map.

2.1 Location and Access

Exploration Licence 8142 is located approximately 200km south of Tennant Creek and 35km north-east of the Barrow Creek Hotel on Neutral Junction (refer Figure 1). Access is via station tracks and the Stuart Highway.

2.2 Climate and Physiography

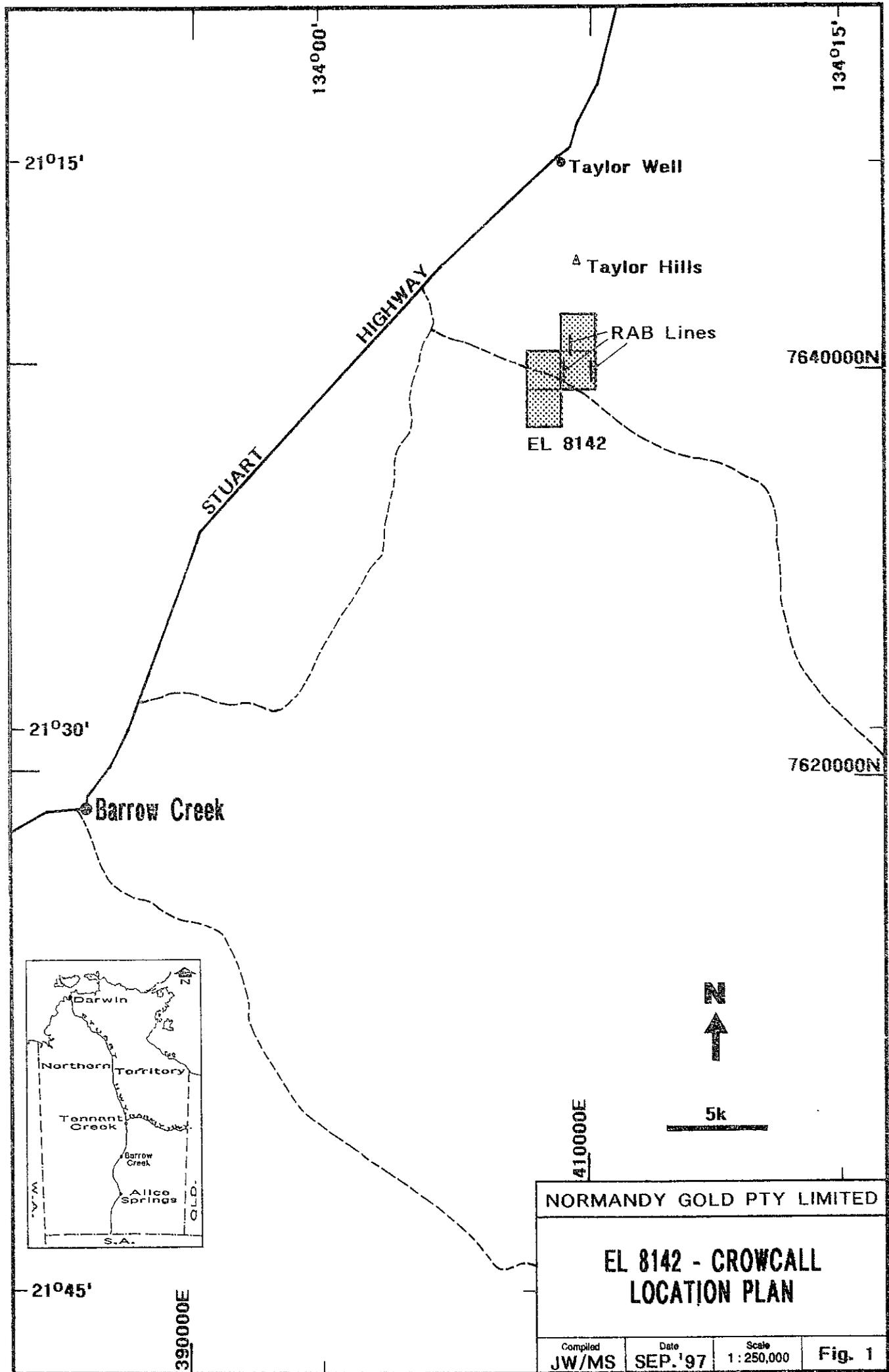
The climate of the Barrow Creek area is mild to warm and dry throughout autumn, winter, and spring, with cool to cold winds in winter. Summers are hot (frequently above 35°C), with associated seasonal rainfall which can impede field work programs.

The licence has steep outcrop hills and associated scree slopes and colluvial fans in the north, with sparse vegetation cover. The southern portion of the licence is dominated by valley plain colluvial detritus and aeolian sands, with medium to sparse gum, acacia and native grass the dominant vegetation.

2.3 Tenure

Exploration Licence 8142 was originally composed of 15 graticular blocks, applied for and subsequently granted to Normandy on 23 August 1993. Over the Reporting period the licence had been reduced to 4 blocks. The licence is part of the BCJV Area of Interest. The composition of the BCJV is as follows.

Normandy Gold Pty Limited	61.7%
Normandy Exploration Limited	23.3%
Yuendumu Mining Company NL	15.0%



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**EL 8142 - CROWCALL
LOCATION PLAN**

Compiled JW/MS	Date SEP. '97	Scale 1:250,000	Fig. 1
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3. REGIONAL GEOLOGY

The oldest exposed basement in central Australia comprises metamorphic and igneous rocks of the Arunta Inlier (Haines et al., 1991). Rocks of the Arunta Inlier are interpreted as at least partly correlative with sedimentary and volcanic sequences of the adjacent Tennant Creek and Granites-Tanami inliers. Barrow Creek lies on the SW margin of the Late Proterozoic to Paleozoic Georgina Basin. Block faulting during the Tertiary has produced a number of small non-marine basins in central Australia. Also preserved are relics of a Tertiary silicified land surface. A thin Quaternary veneer of soil, sand and gravel covers most of the lowland areas in the region.

The Arunta Inlier (Early-Middle Proterozoic) is characterised by metamorphosed sedimentary and igneous rocks of low to medium pressure facies. Deformation and regional metamorphism to upper greenschist facies took place between 1810-1750 Ma (Black, 1981). Shaw and Stewart (1975) established three broad stratigraphic subdivisions based on facies assemblages and lithological correlations. From oldest to youngest, these subdivisions are named Division 1, 2 and 3. Using this model defined by Shaw and Stewart (1975), the orthogneiss east of Osborne Range, the calc-silicate rocks west of Crawford Range and the Bullion Schist would be included in Division 2, and the Ledan Schist in Division 3 of the Arunta Inlier.

Unconformably overlying these rocks are the Hatches Creek Group sediments and volcanics. Blake et al. (1987) formally subdivided the Group into the Ooradidgee, Wauchope and Hanlon Subgroups, comprising a total of 20 Formations and two Members. The Hatches Creek Group is a folded sequence of shallow-water sediments with interbedded volcanic units which reach thicknesses of at least 10,000 metres.

The sediments include ridge-forming quartzites, felspathic, lithic and minor conglomeratic arenites and friable arenite, siltstone, shale and carbonate. The Ooradidgee Subgroup consists mainly of fluvial sediments and sub-aerial volcanics which partly interfinger. The Wauchope Subgroup is characterised by large volumes of volcanics and sediments probably both marine and fluvial in origin. The Hanlon Subgroup may be entirely marine and lacks volcanics (Blake et al., 1987). Following deposition, the Hatches Creek Group was folded about NW trending axes and metamorphosed to upper greenschist facies.

Later intrusion of both the Arunta basement and the Hatches Creek Group by granitoids took place around 1660 Ma (Blake et al., 1987). A long erosional period followed with subsequent weathering during the Tertiary to produce silcrete and ferricrete horizons. A thin veneer of Quaternary sands and soils overlays this area.

4. LOCAL GEOLOGY

Mica-quartz schists to moderately metamorphosed sediments are the dominant lithologies. A series of mafic rocks including metadolerites to metadacites run north-south through the central portion of the area. Massive granite intrudes the sediments to the west.

5. EXPLORATION

5.1 Previous Exploration

Kewanee Australia Pty Ltd undertook a broad exploration programme between 1970-74 within the Crawford-Osborne Range area. Several targets were delineated by a combination of airborne magnetics, radiometrics and EM survey techniques. Targets generated by this method were followed up with geological mapping, sampling and a combination of percussion, reverse circulation and diamond drilling. This work delineated a sub-economic Cu-Ni resource (Prospect D), but grade was considered too low to warrant further investigation, and the ground was relinquished in 1973.

Limited exploration was conducted by Australus Mining Co Pty Ltd during 1969, for base metal potential in the Crawford Range area. Pegmatites, granites and metadolerites were targeted with disappointing results.

Reconnaissance work was carried out over EL 8142 by Normandy Limited during the period from August 1993 up to the current reporting period. This included reconnaissance geological mapping and interpretations of regional BMR aeromagnetics, and an extensive soil sampling program which has been fully reported previously in Kuoni (1994).

5.2 Exploration for the Reporting Period 23/8/96 to 22/8/97.

Exploration carried out on EL 8142 by Normandy on behalf of the BCJV has included a RAB program, and field mapping combined with interpretation of existing geophysical data sets to produce a Regional Regolith Map.

The RAB program consisted of 19 holes for a total of 564m. RAB holes were sampled by 3m composites along their whole length. All samples were sent to ALS Alice Springs for analysis. Sample preparation consisted of drying and crushing the sample, splitting where sample weight was > 4kg, pulverising, then :

- a) Analysis for Au by PM219 (Fire assay/lead collection, solvent extraction, AAS finish).
- b) Base metals analysis by IC581 (aqua regia digest, ICP finish)

Collar data for RAB drilling is given in Appendix.2, with geochemical analysis results provided in Appendix 3 and Lithologies in Appendix 4. Collar

locations are provided in Figure 3. RAB hole sections with lithology and selected individual element values are given in figures 4 to 9.

The highest values for elements of most interest include 3ppb Au, 92ppm Cu, 15ppm As, and 182ppm Ni.

The relevant portion of the Regional Regolith Map is presented in figure 2.

5.3 Exploration Expenditure for the period (23/8/96 TO 22/8/97)

For a detailed breakdown on exploration expenditure over the current reporting period, see table 1 below.

TABLE 1 - EXPLORATION EXPENDITURE FOR EL 8142 FROM 23/8/96 TO 22/8/97

ITEM	COST
Employee Costs	\$ 2,586
Overheads	\$ 239
Operating Costs	\$ 4,385
Specialist Services	\$ 3,872
Tenement Costs	\$ 160
Drilling	\$ 7007
Assays	\$ 3,003
TOTAL	<u>\$ 21,252</u>

6. CONCLUSIONS AND PROPOSED EXPLORATION EXPENDITURE

The area upon which the RAB program was focussed did not yield evidence of significant economic mineralisation. These blocks have subsequently been relinquished. The remaining 2 blocks will be tested for any anomalous geochemistry by widely spaced vacuum hole lines. Vacuum drilling will be used rather than soil sampling due to the depositional regime regolith which dominates the remaining blocks. The lack of significant results to date on this lease and the relatively small area remaining to be tested, has resulted in a reduction of the proposed expenditure on this lease. It is unlikely that Normandy will renew tenure over the area beyond 1997/98.

TABLE 2 PROPOSED EXPLORATION EXPENDITURE FOR 23/8/97 TO 22/8/98

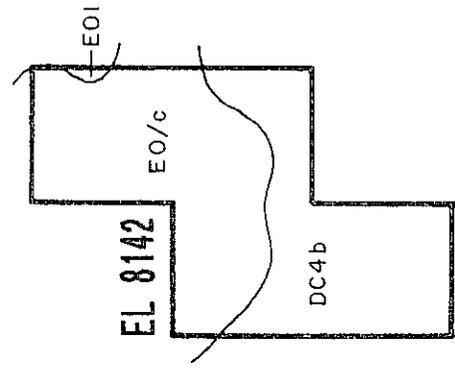
EXPENSE	COST
Employee Costs	\$ 2,200
Overheads	\$ 1,000
Drilling	\$ 2,000
Assays	\$ 1,000
Operating Costs	\$ 2,000
Specialist Services	\$ 800
Tenement Costs	\$ 500
TOTAL	<u>\$ 9,500</u>

420000E

410000E

7640000N

E01 Prominent outcrop and associated debris
 as steep hills, ranges and pinnacles
E0/c Outcrop/Subcrop exposures and thin (<2m)
 proximal colluvial soils.
DC4b As for DC4a but with thin vegetative
 cover and possibly more deeply developed.



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Figure No. 2

EL 8142 - CROWCALL
REGOLITH MAP



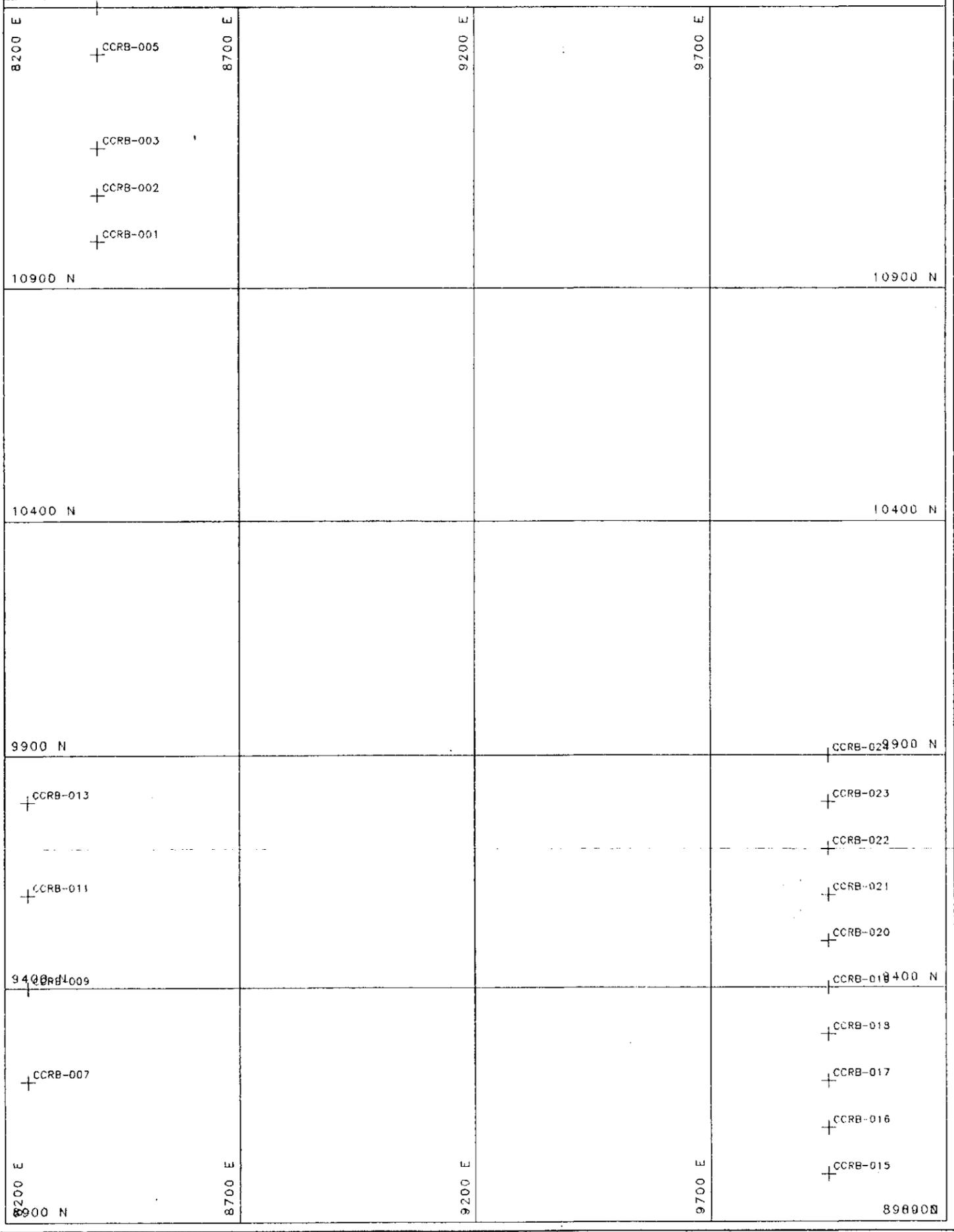
2k

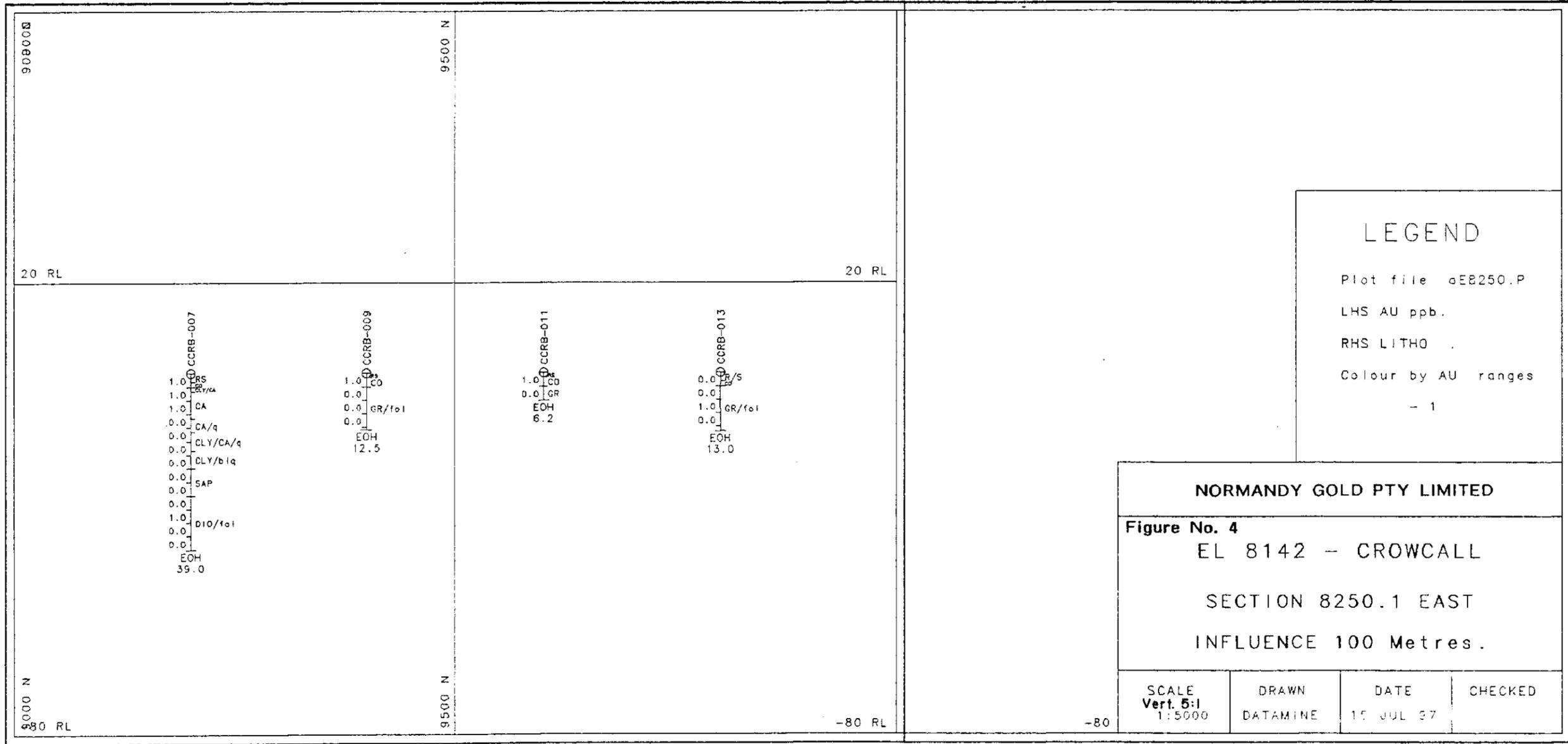
Compiled/Drawn JW/MCS	Date SEP.1997	Scale 1:100000
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7. REFERENCES

- Blake, T U; Stewart A J; Sweet I P; and Hone I E (1987): *Geology of the Proterozoic Davenport Province, Central Australia*. Bureau of Mineral Resources, Australia, Bulletin, 226.
- Black, L P (1981): *Age of the Warramunga Group, Tennant Creek Block*, Northern Territory, BMR Journal of Australian Geology and Geophysics, 6, 253-257.
- Haines, P W et al (1991): *Explanatory Notes 1:250 000 Geological Map Series, Barrow Creek SF-53-6*. Department of Mines and Energy. Northern Territory Geological Survey, Darwin.
- Kuoni J (1994): Annual Report for Exploration Licence 8142 for the period 23/8/93 to 22/8/94, Barrow Creek District, Northern Territory.
- Shaw, R D and Stewart, A J, (1975): Arunta Block, Regional Geology. In Knight, C L (Editor), *Economic Geology of Australia and Papua New Guinea: 1 Metals*. AusIMM, Melbourne.

8200	NORMANDY GOLD PTY LIMITED				
	Figure No. 3 EL 8142 - CROWCALL HOLE LAYOUT PLAN				
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SCALE 1:10000	DRAWN DATAMINE	DATE 10 SEP 97	CHECKED		
See Figure 1 for Location Plan					





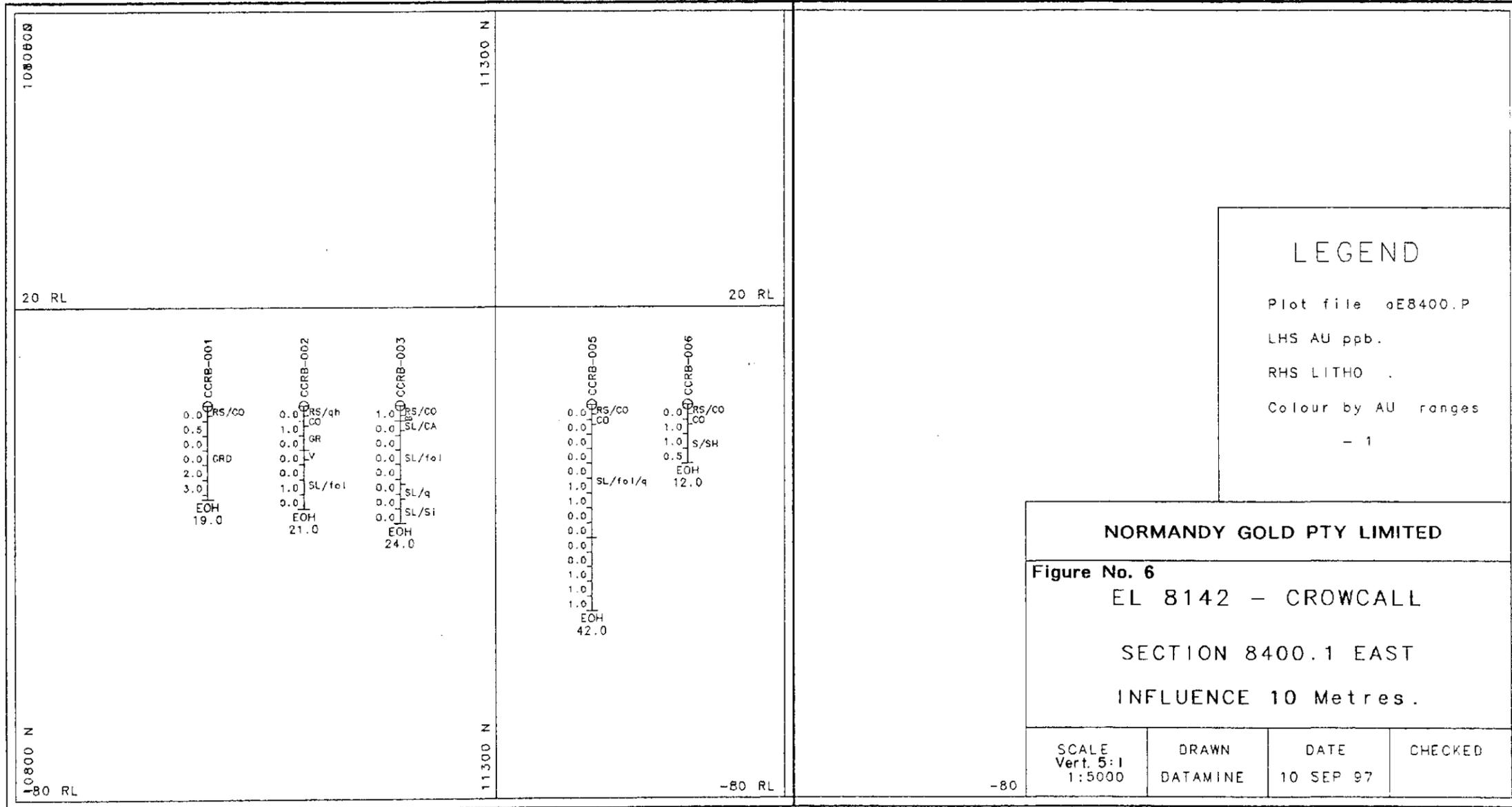
LEGEND

Plot file aE8250.P
 LHS AU ppb.
 RHS LITHO
 Colour by AU ranges
 - 1

NORMANDY GOLD PTY LIMITED

Figure No. 4
 EL 8142 - CROWCALL
 SECTION 8250.1 EAST
 INFLUENCE 100 Metres.

SCALE Vert. 5:1 1:5000	DRAWN DATAMINE	DATE 15 JUL 97	CHECKED
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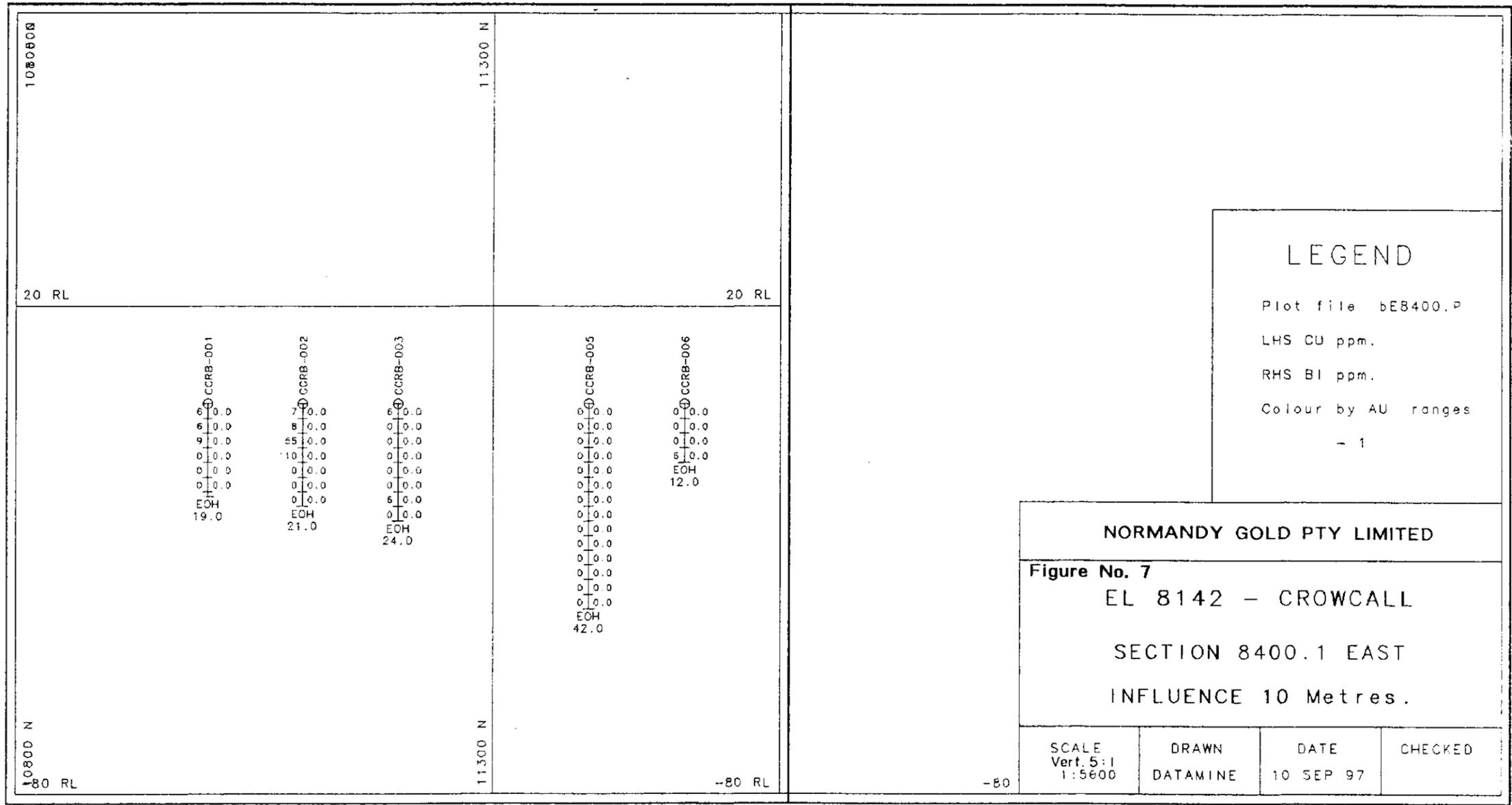
CCR-001
 0.0 RS/CO
 0.5
 0.0
 0.0 GRD
 2.0
 3.0
 EOH
 19.0

CCR-002
 0.0 RS/qh
 1.0 CO
 0.0 GR
 0.0 V
 1.0 SL/foi
 0.0
 EOH
 21.0

CCR-003
 1.0 RS/CO
 0.0 SL/CA
 0.0
 0.0 SL/foi
 0.0
 0.0 SL/q
 0.0 SL/Si
 EOH
 24.0

CCR-005
 0.0 RS/CO
 0.0 CO
 0.0
 0.0
 0.0
 0.0
 1.0 SL/foi/q
 1.0
 0.0
 0.0
 0.0
 1.0
 1.0
 1.0
 1.0
 EOH
 42.0

CCR-006
 0.0 RS/CO
 1.0 CO
 1.0 s/SH
 0.5
 EOH
 12.0



LEGEND

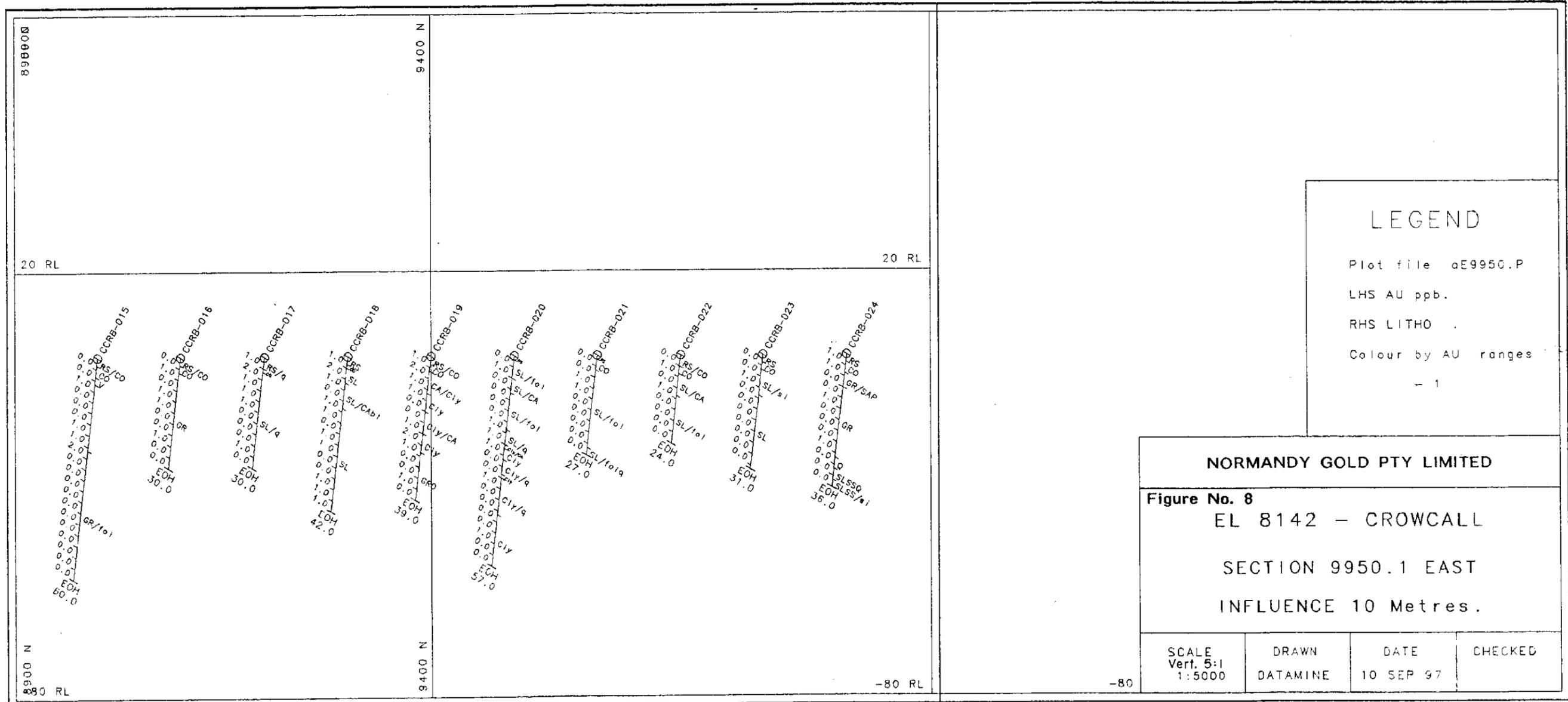
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 LHS CU ppm.
 RHS BI ppm.
 Colour by AU ranges

- 1

NORMANDY GOLD PTY LIMITED

Figure No. 7
EL 8142 - CROWCALL
SECTION 8400.1 EAST
INFLUENCE 10 Metres.

SCALE Vert: 5:1 1:5000	DRAWN DATAMINE	DATE 10 SEP 97	CHECKED
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8900 N

9400 N

20 RL

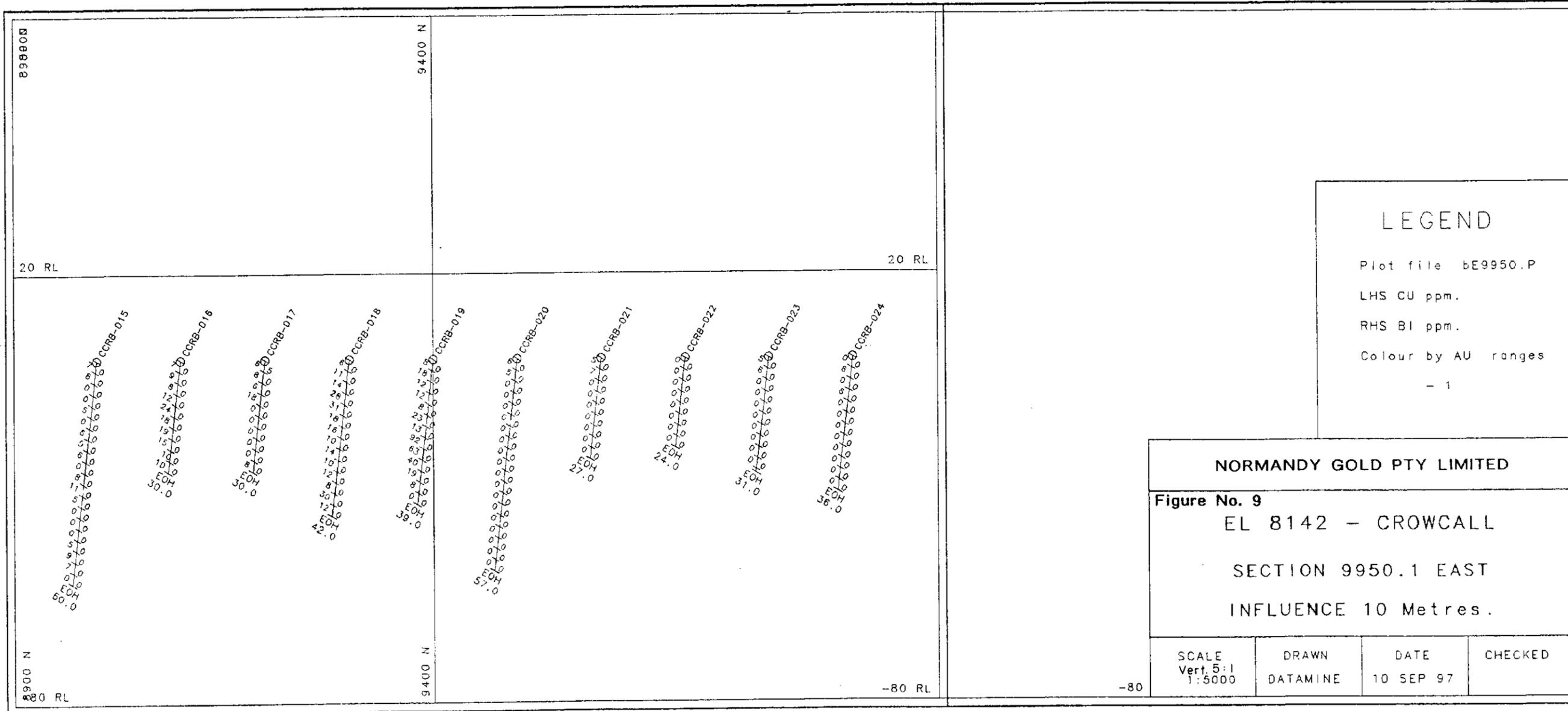
20 RL

8900 N
890 RL

9400 N

-80 RL

-80



LEGEND

Plot file bE9950.P
 LHS CU ppm.
 RHS BI ppm.
 Colour by AU ranges

NORMANDY GOLD PTY LIMITED

Figure No. 9
 EL 8142 - CROWCALL
 SECTION 9950.1 EAST
 INFLUENCE 10 Metres.

SCALE Vert 5:1 1:5000	DRAWN DATAMINE	DATE 10 SEP 97	CHECKED
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APPENDIX ONE

BIBLIOGRAPHIC DATA SHEET

BIBLIOGRAPHIC DATA SHEET

REPORT NUMBER TCK: 97074 ADEL: 21984

REPORT NAME FOURTH ANNUAL REPORT FOR EXPLORATION
LICENCE 8142 FOR THE PERIOD 23/8/96 TO
22/8/97, BARROW CREEK DISTRICT, NORTHERN
TERRITORY, CROWCALL PROSPECT

PROSPECT NAME(S) EL8142
CROWCALL PROSPECT

OWNER/JV PARTNERS NORMANDY GOLD PTY LIMITED

KEYWORDS RAB DRILLING, REGOLITH SURVEY, META DOLERITE

COMMODITIES GOLD, COPPER, NICKEL

TECTONIC UNIT ARUNTA INLIER

1:250,000 MAP SHEET BARROW CREEK SF53-6 (64)

1:100,000 MAP SHEET TAYLOR 5755

APPENDIX TWO

RAB DRILLING COLLAR DATA

NORMANDY GOLD PTY LIMITED
EL 8142 CROW CALL
Drill Hole Collar Information

BHID	Easting (AMG)	Northing (AMG)	RL (m)	Total Depth (m)
CCRB-001	408400.0	7641000.0	0.00	19.00
CCRB-002	408400.0	7641100.0	0.00	21.00
CCRB-003	408400.0	7641200.0	0.00	24.00
CCRB-005	408400.0	7641400.0	0.00	42.00
CCRB-006	408400.0	7641500.0	0.00	12.00
CCRB-007	408250.0	7639200.0	0.00	39.00
CCRB-009	408250.0	7639400.0	0.00	12.50
CCRB-011	408250.0	7639600.0	0.00	6.20
CCRB-013	408250.0	7639800.0	0.00	13.00
CCRB-015	409950.0	7639000.0	0.00	60.00
CCRB-016	409950.0	7639100.0	0.00	30.00
CCRB-017	409950.0	7639200.0	0.00	30.00
CCRB-018	409950.0	7639300.0	0.00	42.00
CCRB-019	409950.0	7639400.0	0.00	39.00
CCRB-020	409950.0	7639500.0	0.00	57.00
CCRB-021	409950.0	7639600.0	0.00	27.00
CCRB-022	409950.0	7639700.0	0.00	24.00
CCRB-023	409950.0	7639800.0	0.00	31.00
CCRB-024	409950.0	7639900.0	0.00	36.00

APPENDIX 3

RAB DRILLING GEOCHEMICAL ANALYSIS RESULTS

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	AU ppm	CU ppm	BI ppm	AS ppm
		Detection Limit :		.001	5	5	2
CCRB-001	960149.	0.00	3.00	TR	5.72	TR	2.50
CCRB-001	960150.	3.00	6.00	0.50	6.32	TR	8.43
CCRB-001	960151.	6.00	9.00	TR	8.79	TR	5.87
CCRB-001	960152.	9.00	12.00	TR	TR	TR	2.53
CCRB-001	960153.	12.00	15.00	2.00	TR	TR	6.52
CCRB-001	960154.	15.00	18.00	3.00	TR	TR	6.38
CCRB-002	960181.	0.00	3.00	TR	7.22	TR	3.79
CCRB-002	960182.	3.00	6.00	1.00	7.55	TR	4.59
CCRB-002	960183.	6.00	9.00	TR	54.58	TR	8.17
CCRB-002	960184.	9.00	12.00	TR	10.40	TR	10.40
CCRB-002	960185.	12.00	15.00	TR	TR	TR	5.00
CCRB-002	960186.	15.00	18.00	1.00	TR	TR	6.00
CCRB-002	960187.	18.00	21.00	TR	TR	TR	4.74
CCRB-003	960155.	0.00	3.00	1.00	6.37	TR	7.71
CCRB-003	960156.	3.00	6.00	TR	TR	TR	5.14
CCRB-003	960157.	6.00	9.00	TR	TR	TR	5.36
CCRB-003	960158.	9.00	12.00	TR	TR	TR	TR
CCRB-003	960159.	12.00	15.00	TR	TR	TR	8.41
CCRB-003	960160.	15.00	18.00	TR	TR	TR	TR
CCRB-003	960161.	18.00	21.00	TR	5.84	TR	TR
CCRB-003	960162.	21.00	24.00	TR	TR	TR	TR
CCRB-005	960163.	0.00	3.00	TR	TR	TR	6.86
CCRB-005	960164.	3.00	6.00	TR	TR	TR	9.67
CCRB-005	960165.	6.00	9.00	TR	TR	TR	6.51
CCRB-005	960166.	9.00	12.00	TR	TR	TR	5.61
CCRB-005	960167.	12.00	15.00	TR	TR	TR	6.05
CCRB-005	960168.	15.00	18.00	1.00	TR	TR	9.11
CCRB-005	960169.	18.00	21.00	1.00	TR	TR	5.51
CCRB-005	960170.	21.00	24.00	TR	TR	TR	3.59
CCRB-005	960171.	24.00	27.00	TR	TR	TR	6.50
CCRB-005	960172.	27.00	30.00	TR	TR	TR	4.44
CCRB-005	960173.	30.00	33.00	TR	TR	TR	8.51
CCRB-005	960174.	33.00	36.00	1.00	TR	TR	10.09
CCRB-005	960175.	36.00	39.00	1.00	TR	TR	7.09
CCRB-005	960176.	39.00	42.00	1.00	TR	TR	9.29
CCRB-006	960177.	0.00	3.00	TR	TR	TR	2.33
CCRB-006	960178.	3.00	6.00	1.00	TR	TR	7.32
CCRB-006	960179.	6.00	9.00	1.00	TR	TR	15.07
CCRB-006	960180.	9.00	12.00	0.50	6.07	TR	11.67
CCRB-007	960126.	0.00	3.00	1.00	7.75	TR	6.00
CCRB-007	960127.	3.00	6.00	1.00	TR	TR	3.05
CCRB-007	960128.	6.00	9.00	1.00	TR	TR	TR
CCRB-007	960129.	9.00	12.00	TR	TR	TR	TR
CCRB-007	960130.	12.00	15.00	TR	TR	TR	TR
CCRB-007	960131.	15.00	18.00	TR	TR	TR	6.37
CCRB-007	960132.	18.00	21.00	TR	TR	TR	TR
CCRB-007	960133.	21.00	24.00	TR	8.93	TR	4.64
CCRB-007	960134.	24.00	27.00	TR	7.59	TR	10.77
CCRB-007	960135.	27.00	30.00	TR	12.20	TR	7.06

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	AU ppm	CU ppm	BI ppm	AS ppm
		Detection Limit :		.001	5	5	2
CCRB-007	960136.	30.00	33.00	1.00	12.13	TR	4.93
CCRB-007	960137.	33.00	36.00	TR	12.70	TR	10.30
CCRB-007	960138.	36.00	39.00	TR	9.21	TR	7.14
CCRB-009	960139.	0.00	3.00	1.00	9.46	TR	4.37
CCRB-009	960140.	3.00	6.00	TR	17.92	TR	13.39
CCRB-009	960141.	6.00	9.00	TR	20.86	TR	9.00
CCRB-009	960142.	9.00	12.00	TR	20.52	TR	7.39
CCRB-011	960143.	0.00	3.00	1.00	10.03	TR	5.38
CCRB-011	960144.	3.00	6.20	TR	12.05	6.47	4.55
CCRB-013	960145.	0.00	3.00	TR	5.51	TR	3.51
CCRB-013	960146.	3.00	6.00	TR	7.96	TR	4.13
CCRB-013	960147.	6.00	9.00	1.00	7.71	TR	7.85
CCRB-013	960148.	9.00	12.00	TR	6.45	TR	9.49
CCRB-015	960001.	0.00	3.00	TR	7.38	TR	TR
CCRB-015	960002.	3.00	6.00	TR	8.26	TR	TR
CCRB-015	960003.	6.00	9.00	1.00	TR	TR	4.33
CCRB-015	960004.	9.00	12.00	TR	TR	TR	3.36
CCRB-015	960005.	12.00	15.00	TR	5.23	TR	6.15
CCRB-015	960006.	15.00	18.00	TR	TR	TR	7.48
CCRB-015	960007.	18.00	21.00	1.00	5.72	TR	2.19
CCRB-015	960008.	21.00	24.00	1.00	5.25	TR	TR
CCRB-015	960009.	24.00	27.00	2.00	5.86	TR	7.08
CCRB-015	960010.	27.00	30.00	TR	TR	TR	4.85
CCRB-015	960011.	30.00	33.00	TR	7.89	TR	3.59
CCRB-015	960012.	33.00	36.00	TR	11.40	TR	3.80
CCRB-015	960013.	36.00	39.00	TR	5.41	TR	4.84
CCRB-015	960014.	39.00	42.00	TR	TR	TR	5.79
CCRB-015	960015.	42.00	45.00	TR	TR	TR	4.59
CCRB-015	960016.	45.00	48.00	TR	TR	TR	TR
CCRB-015	960017.	48.00	51.00	TR	5.25	TR	2.73
CCRB-015	960018.	51.00	54.00	TR	9.28	TR	2.52
CCRB-015	960019.	54.00	57.00	TR	7.32	TR	3.09
CCRB-015	960020.	57.00	60.00	TR	TR	TR	7.40
CCRB-016	960021.	0.00	3.00	TR	7.47	TR	TR
CCRB-016	960022.	3.00	6.00	1.00	9.42	TR	6.18
CCRB-016	960023.	6.00	9.00	TR	8.05	TR	TR
CCRB-016	960024.	9.00	12.00	1.00	12.39	TR	3.64
CCRB-016	960025.	12.00	15.00	1.00	23.64	TR	3.35
CCRB-016	960026.	15.00	18.00	TR	18.08	TR	2.28
CCRB-016	960027.	18.00	21.00	TR	19.21	TR	7.43
CCRB-016	960028.	21.00	24.00	1.00	15.49	TR	6.03
CCRB-016	960029.	24.00	27.00	TR	9.59	TR	6.00
CCRB-016	960030.	27.00	30.00	TR	10.14	TR	4.14
CCRB-017	960031.	0.00	3.00	1.00	6.21	5.33	TR
CCRB-017	960032.	3.00	6.00	2.00	7.68	TR	3.01
CCRB-017	960033.	6.00	9.00	1.00	6.08	TR	TR
CCRB-017	960034.	9.00	12.00	1.00	18.02	TR	4.06
CCRB-017	960035.	12.00	15.00	1.00	TR	TR	TR
CCRB-017	960036.	15.00	18.00	TR	TR	TR	TR

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m) Detection Limit :	TO (m) Limit :	AU ppm .001	CU ppm 5	BI ppm 5	AS ppm 2
CCRB-017	960037.	18.00	21.00	TR	TR	TR	3.58
CCRB-017	960038.	21.00	24.00	TR	TR	TR	6.01
CCRB-017	960039.	24.00	27.00	1.00	TR	TR	2.36
CCRB-017	960040.	27.00	30.00	TR	8.10	TR	TR
CCRB-018	960041.	0.00	3.00	1.00	5.86	TR	6.41
CCRB-018	960042.	3.00	6.00	2.00	10.69	TR	6.95
CCRB-018	960043.	6.00	9.00	1.00	13.88	TR	7.58
CCRB-018	960044.	9.00	12.00	TR	27.78	TR	TR
CCRB-018	960045.	12.00	15.00	1.00	31.03	TR	3.10
CCRB-018	960046.	15.00	18.00	1.00	18.20	TR	2.56
CCRB-018	960047.	18.00	21.00	TR	16.17	TR	TR
CCRB-018	960048.	21.00	24.00	1.00	10.26	TR	TR
CCRB-018	960049.	24.00	27.00	1.00	13.63	TR	2.20
CCRB-018	960050.	27.00	30.00	TR	10.48	TR	2.03
CCRB-018	960051.	30.00	33.00	TR	12.33	TR	TR
CCRB-018	960052.	33.00	36.00	1.00	7.79	TR	3.32
CCRB-018	960053.	36.00	39.00	1.00	30.00	TR	2.00
CCRB-018	960054.	39.00	42.00	1.00	11.52	TR	4.75
CCRB-019	960055.	0.00	3.00	1.00	7.54	TR	4.19
CCRB-019	960056.	3.00	6.00	2.00	17.69	TR	8.42
CCRB-019	960057.	6.00	9.00	1.00	12.29	TR	13.00
CCRB-019	960058.	9.00	12.00	1.00	12.01	TR	7.53
CCRB-019	960059.	12.00	15.00	TR	7.77	TR	2.21
CCRB-019	960060.	15.00	18.00	TR	22.79	TR	TR
CCRB-019	960061.	18.00	21.00	1.00	13.21	TR	TR
CCRB-019	960062.	21.00	24.00	2.00	92.30	TR	7.82
CCRB-019	960063.	24.00	27.00	1.00	63.41	TR	TR
CCRB-019	960064.	27.00	30.00	TR	39.92	TR	TR
CCRB-019	960065.	30.00	33.00	TR	19.17	TR	TR
CCRB-019	960066.	33.00	36.00	1.00	8.43	TR	TR
CCRB-019	960067.	36.00	39.00	TR	TR	TR	3.90
CCRB-020	960068.	0.00	3.00	TR	5.78	TR	TR
CCRB-020	960069.	3.00	6.00	1.00	5.15	TR	TR
CCRB-020	960070.	6.00	9.00	TR	TR	TR	4.59
CCRB-020	960071.	9.00	12.00	TR	TR	TR	5.02
CCRB-020	960072.	12.00	15.00	TR	TR	TR	2.00
CCRB-020	960073.	15.00	18.00	TR	TR	TR	TR
CCRB-020	960074.	18.00	21.00	1.00	TR	TR	3.68
CCRB-020	960075.	21.00	24.00	1.00	TR	TR	TR
CCRB-020	960076.	24.00	27.00	1.00	TR	TR	6.74
CCRB-020	960077.	27.00	30.00	TR	TR	TR	TR
CCRB-020	960078.	30.00	33.00	TR	TR	TR	TR
CCRB-020	960079.	33.00	36.00	1.00	TR	TR	6.88
CCRB-020	960080.	36.00	39.00	TR	TR	TR	5.44
CCRB-020	960081.	39.00	42.00	TR	TR	TR	4.54
CCRB-020	960082.	42.00	45.00	TR	TR	TR	8.17
CCRB-020	960083.	45.00	48.00	TR	TR	TR	3.79
CCRB-020	960084.	48.00	51.00	1.00	TR	TR	3.54
CCRB-020	960085.	51.00	54.00	TR	TR	TR	5.66

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	AU ppm	CU ppm	BI ppm	AS ppm
		Detection Limit :		.001	5	5	2
CCRB-020	960086.	54.00	57.00	TR	TR	TR	3.78
CCRB-021	960087.	0.00	3.00	TR	5.29	TR	8.24
CCRB-021	960088.	3.00	6.00	TR	6.94	TR	10.92
CCRB-021	960089.	6.00	9.00	1.00	TR	TR	TR
CCRB-021	960090.	9.00	12.00	1.00	TR	TR	3.15
CCRB-021	960091.	12.00	15.00	TR	TR	TR	2.06
CCRB-021	960092.	15.00	18.00	TR	TR	TR	2.35
CCRB-021	960093.	18.00	21.00	TR	TR	TR	TR
CCRB-021	960094.	21.00	24.00	TR	TR	TR	TR
CCRB-021	960095.	24.00	27.00	TR	TR	TR	2.40
CCRB-022	960096.	0.00	3.00	TR	TR	TR	7.18
CCRB-022	960097.	3.00	6.00	1.00	TR	TR	4.64
CCRB-022	960098.	6.00	9.00	TR	TR	TR	TR
CCRB-022	960099.	9.00	12.00	1.00	TR	TR	5.18
CCRB-022	960100.	12.00	15.00	TR	TR	TR	5.15
CCRB-022	960101.	15.00	18.00	TR	TR	TR	2.95
CCRB-022	960102.	18.00	21.00	TR	TR	TR	TR
CCRB-022	960103.	21.00	24.00	TR	TR	TR	TR
CCRB-023	960104.	0.00	3.00	TR	5.27	TR	TR
CCRB-023	960105.	3.00	6.00	TR	6.24	TR	5.77
CCRB-023	960106.	6.00	9.00	1.00	TR	TR	6.84
CCRB-023	960107.	9.00	12.00	TR	TR	TR	2.20
CCRB-023	960108.	12.00	15.00	TR	TR	TR	5.94
CCRB-023	960109.	15.00	18.00	TR	TR	TR	12.45
CCRB-023	960110.	18.00	21.00	TR	TR	TR	4.27
CCRB-023	960111.	21.00	24.00	TR	TR	TR	2.17
CCRB-023	960112.	24.00	27.00	TR	TR	TR	4.77
CCRB-023	960113.	27.00	30.00	TR	TR	TR	TR
CCRB-024	960114.	0.00	3.00	1.00	TR	TR	TR
CCRB-024	960115.	3.00	6.00	1.00	6.48	TR	3.91
CCRB-024	960116.	6.00	9.00	TR	TR	TR	4.63
CCRB-024	960117.	9.00	12.00	TR	6.19	TR	7.00
CCRB-024	960118.	12.00	15.00	1.00	TR	TR	6.79
CCRB-024	960119.	15.00	18.00	TR	TR	TR	TR
CCRB-024	960120.	18.00	21.00	TR	TR	TR	TR
CCRB-024	960121.	21.00	24.00	TR	TR	TR	TR
CCRB-024	960122.	24.00	27.00	1.00	TR	TR	TR
CCRB-024	960123.	27.00	30.00	TR	TR	TR	4.86
CCRB-024	960124.	30.00	33.00	TR	TR	TR	6.59
CCRB-024	960125.	33.00	36.00	TR	TR	TR	4.66

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m) Detection Limit :	TO (m) Detection Limit :	PB ppm 5	ZN ppm 5	AG ppm 1 .01	FE %
CCRB-001	960149.	0.00	3.00	13.92	9.05	TR	2.96
CCRB-001	960150.	3.00	6.00	5.99	15.55	TR	2.02
CCRB-001	960151.	6.00	9.00	TR	24.28	TR	2.13
CCRB-001	960152.	9.00	12.00	TR	33.25	TR	1.75
CCRB-001	960153.	12.00	15.00	6.14	35.78	TR	1.70
CCRB-001	960154.	15.00	18.00	TR	23.37	TR	5.36
CCRB-002	960181.	0.00	3.00	6.36	11.76	TR	4.18
CCRB-002	960182.	3.00	6.00	TR	13.63	TR	2.96
CCRB-002	960183.	6.00	9.00	TR	23.30	TR	1.40
CCRB-002	960184.	9.00	12.00	TR	46.54	TR	2.87
CCRB-002	960185.	12.00	15.00	TR	74.91	TR	3.90
CCRB-002	960186.	15.00	18.00	TR	62.64	TR	3.88
CCRB-002	960187.	18.00	21.00	TR	65.43	TR	3.95
CCRB-003	960155.	0.00	3.00	6.92	6.36	TR	3.27
CCRB-003	960156.	3.00	6.00	5.03	15.76	TR	2.80
CCRB-003	960157.	6.00	9.00	TR	27.10	TR	2.11
CCRB-003	960158.	9.00	12.00	TR	26.95	TR	2.46
CCRB-003	960159.	12.00	15.00	TR	32.53	TR	3.13
CCRB-003	960160.	15.00	18.00	TR	9.04	TR	2.27
CCRB-003	960161.	18.00	21.00	TR	23.19	TR	2.54
CCRB-003	960162.	21.00	24.00	TR	22.31	TR	2.61
CCRB-005	960163.	0.00	3.00	6.89	6.51	TR	2.96
CCRB-005	960164.	3.00	6.00	TR	15.08	TR	3.56
CCRB-005	960165.	6.00	9.00	TR	10.54	TR	2.10
CCRB-005	960166.	9.00	12.00	TR	12.12	TR	3.01
CCRB-005	960167.	12.00	15.00	TR	10.28	TR	2.81
CCRB-005	960168.	15.00	18.00	TR	19.89	TR	2.78
CCRB-005	960169.	18.00	21.00	TR	25.99	TR	2.65
CCRB-005	960170.	21.00	24.00	TR	13.09	TR	2.15
CCRB-005	960171.	24.00	27.00	TR	29.83	TR	4.60
CCRB-005	960172.	27.00	30.00	TR	39.95	TR	6.34
CCRB-005	960173.	30.00	33.00	TR	30.35	TR	5.77
CCRB-005	960174.	33.00	36.00	TR	35.95	TR	5.61
CCRB-005	960175.	36.00	39.00	TR	38.01	TR	6.34
CCRB-005	960176.	39.00	42.00	TR	85.23	TR	5.70
CCRB-006	960177.	0.00	3.00	TR	6.56	TR	2.87
CCRB-006	960178.	3.00	6.00	6.16	32.72	TR	3.98
CCRB-006	960179.	6.00	9.00	TR	53.38	TR	5.45
CCRB-006	960180.	9.00	12.00	TR	56.74	TR	5.38
CCRB-007	960126.	0.00	3.00	7.55	7.04	TR	3.94
CCRB-007	960127.	3.00	6.00	TR	5.17	TR	2.57
CCRB-007	960128.	6.00	9.00	TR	6.38	TR	1.69
CCRB-007	960129.	9.00	12.00	TR	TR	TR	0.56
CCRB-007	960130.	12.00	15.00	TR	TR	TR	0.89
CCRB-007	960131.	15.00	18.00	TR	6.14	TR	3.63
CCRB-007	960132.	18.00	21.00	TR	15.31	TR	2.86
CCRB-007	960133.	21.00	24.00	5.24	72.94	TR	6.47
CCRB-007	960134.	24.00	27.00	TR	55.71	TR	4.42
CCRB-007	960135.	27.00	30.00	9.69	74.04	TR	4.28

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m) Detection Limit :	TO (m) Limit :	PB ppm 5	ZN ppm 5	AG ppm 1 .01	FE %
CCRB-007	960136.	30.00	33.00	7.70	70.60	TR	3.92
CCRB-007	960137.	33.00	36.00	9.26	78.03	TR	4.17
CCRB-007	960138.	36.00	39.00	TR	61.19	TR	3.23
CCRB-009	960139.	0.00	3.00	8.71	16.41	TR	3.58
CCRB-009	960140.	3.00	6.00	15.01	70.62	TR	3.46
CCRB-009	960141.	6.00	9.00	9.11	59.97	TR	3.26
CCRB-009	960142.	9.00	12.00	12.25	67.26	TR	3.71
CCRB-011	960143.	0.00	3.00	16.06	22.31	TR	5.51
CCRB-011	960144.	3.00	6.20	13.35	52.86	TR	3.62
CCRB-013	960145.	0.00	3.00	TR	11.21	TR	2.07
CCRB-013	960146.	3.00	6.00	TR	60.99	TR	3.33
CCRB-013	960147.	6.00	9.00	5.55	65.31	TR	3.39
CCRB-013	960148.	9.00	12.00	TR	79.75	TR	3.50
CCRB-015	960001.	0.00	3.00	12.13	6.14	TR	3.53
CCRB-015	960002.	3.00	6.00	9.25	7.27	TR	5.58
CCRB-015	960003.	6.00	9.00	TR	6.31	TR	3.68
CCRB-015	960004.	9.00	12.00	TR	11.39	TR	4.14
CCRB-015	960005.	12.00	15.00	TR	14.31	TR	4.45
CCRB-015	960006.	15.00	18.00	TR	11.69	TR	3.90
CCRB-015	960007.	18.00	21.00	TR	13.35	TR	4.32
CCRB-015	960008.	21.00	24.00	TR	14.51	TR	4.12
CCRB-015	960009.	24.00	27.00	TR	20.06	TR	4.35
CCRB-015	960010.	27.00	30.00	TR	19.36	TR	3.74
CCRB-015	960011.	30.00	33.00	TR	30.63	TR	4.30
CCRB-015	960012.	33.00	36.00	TR	46.08	TR	4.12
CCRB-015	960013.	36.00	39.00	5.67	63.81	TR	3.79
CCRB-015	960014.	39.00	42.00	5.57	51.53	TR	3.79
CCRB-015	960015.	42.00	45.00	TR	70.21	TR	3.80
CCRB-015	960016.	45.00	48.00	5.29	70.87	TR	3.75
CCRB-015	960017.	48.00	51.00	5.03	68.93	TR	3.72
CCRB-015	960018.	51.00	54.00	5.08	67.65	TR	3.40
CCRB-015	960019.	54.00	57.00	7.00	67.41	TR	3.61
CCRB-015	960020.	57.00	60.00	TR	71.99	TR	3.69
CCRB-016	960021.	0.00	3.00	8.74	7.92	TR	3.40
CCRB-016	960022.	3.00	6.00	TR	11.21	TR	5.30
CCRB-016	960023.	6.00	9.00	5.69	6.78	TR	4.01
CCRB-016	960024.	9.00	12.00	TR	14.42	TR	4.66
CCRB-016	960025.	12.00	15.00	5.40	18.60	TR	4.71
CCRB-016	960026.	15.00	18.00	6.44	13.01	TR	3.99
CCRB-016	960027.	18.00	21.00	5.97	18.32	TR	4.28
CCRB-016	960028.	21.00	24.00	TR	23.09	TR	4.05
CCRB-016	960029.	24.00	27.00	TR	26.12	TR	4.22
CCRB-016	960030.	27.00	30.00	5.65	50.31	TR	4.73
CCRB-017	960031.	0.00	3.00	TR	15.91	TR	2.08
CCRB-017	960032.	3.00	6.00	TR	11.36	TR	3.89
CCRB-017	960033.	6.00	9.00	TR	12.10	TR	2.29
CCRB-017	960034.	9.00	12.00	TR	10.14	TR	2.56
CCRB-017	960035.	12.00	15.00	TR	11.25	TR	2.00
CCRB-017	960036.	15.00	18.00	TR	11.31	TR	1.95

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	PB ppm	ZN ppm	AG ppm	FE %
		Detection Limit :		5	5	1	.01
CCRB-017	960037.	18.00	21.00	TR	9.04	TR	1.66
CCRB-017	960038.	21.00	24.00	TR	13.05	TR	2.73
CCRB-017	960039.	24.00	27.00	TR	14.19	TR	2.58
CCRB-017	960040.	27.00	30.00	TR	14.94	TR	3.35
CCRB-018	960041.	0.00	3.00	8.22	7.26	TR	2.46
CCRB-018	960042.	3.00	6.00	7.84	21.36	TR	4.18
CCRB-018	960043.	6.00	9.00	TR	21.55	TR	4.18
CCRB-018	960044.	9.00	12.00	TR	19.22	TR	3.32
CCRB-018	960045.	12.00	15.00	TR	13.36	TR	1.91
CCRB-018	960046.	15.00	18.00	TR	20.53	TR	2.14
CCRB-018	960047.	18.00	21.00	5.02	40.63	TR	2.29
CCRB-018	960048.	21.00	24.00	5.31	45.74	TR	2.28
CCRB-018	960049.	24.00	27.00	6.81	118.96	TR	3.44
CCRB-018	960050.	27.00	30.00	7.03	151.74	TR	3.28
CCRB-018	960051.	30.00	33.00	7.50	111.30	TR	2.41
CCRB-018	960052.	33.00	36.00	7.50	91.58	TR	2.82
CCRB-018	960053.	36.00	39.00	5.70	63.40	TR	2.92
CCRB-018	960054.	39.00	42.00	6.35	51.64	TR	2.93
CCRB-019	960055.	0.00	3.00	6.43	13.23	TR	1.84
CCRB-019	960056.	3.00	6.00	8.52	38.15	TR	8.68
CCRB-019	960057.	6.00	9.00	9.86	64.15	TR	8.04
CCRB-019	960058.	9.00	12.00	10.14	73.10	TR	6.58
CCRB-019	960059.	12.00	15.00	7.35	80.94	TR	6.20
CCRB-019	960060.	15.00	18.00	31.64	146.07	TR	7.82
CCRB-019	960061.	18.00	21.00	6.20	33.08	TR	3.36
CCRB-019	960062.	21.00	24.00	16.10	36.45	TR	8.67
CCRB-019	960063.	24.00	27.00	22.48	40.51	TR	11.36
CCRB-019	960064.	27.00	30.00	11.51	76.47	TR	6.28
CCRB-019	960065.	30.00	33.00	5.23	41.45	TR	3.61
CCRB-019	960066.	33.00	36.00	7.49	41.16	TR	3.17
CCRB-019	960067.	36.00	39.00	TR	54.99	TR	4.21
CCRB-020	960068.	0.00	3.00	9.15	6.80	TR	3.83
CCRB-020	960069.	3.00	6.00	TR	18.40	TR	3.65
CCRB-020	960070.	6.00	9.00	TR	12.40	TR	2.08
CCRB-020	960071.	9.00	12.00	7.50	38.66	TR	5.16
CCRB-020	960072.	12.00	15.00	TR	22.95	TR	3.35
CCRB-020	960073.	15.00	18.00	TR	22.31	TR	2.99
CCRB-020	960074.	18.00	21.00	6.09	31.28	TR	3.70
CCRB-020	960075.	21.00	24.00	TR	33.84	TR	3.35
CCRB-020	960076.	24.00	27.00	5.58	23.39	TR	2.56
CCRB-020	960077.	27.00	30.00	TR	33.91	TR	2.61
CCRB-020	960078.	30.00	33.00	TR	36.43	TR	2.54
CCRB-020	960079.	33.00	36.00	TR	181.15	TR	8.87
CCRB-020	960080.	36.00	39.00	TR	54.16	TR	3.38
CCRB-020	960081.	39.00	42.00	5.80	49.35	TR	3.21
CCRB-020	960082.	42.00	45.00	TR	33.69	TR	2.92
CCRB-020	960083.	45.00	48.00	TR	50.47	TR	2.94
CCRB-020	960084.	48.00	51.00	TR	53.94	TR	2.69
CCRB-020	960085.	51.00	54.00	TR	71.35	TR	4.34

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	PB ppm	ZN ppm	AG ppm	FE %
		Detection Limit :		5	5	1	.01
CCRB-020	960086.	54.00	57.00	TR	89.31	TR	5.26
CCRB-021	960087.	0.00	3.00	9.99	9.68	TR	3.43
CCRB-021	960088.	3.00	6.00	5.04	9.15	TR	4.59
CCRB-021	960089.	6.00	9.00	TR	TR	TR	0.44
CCRB-021	960090.	9.00	12.00	TR	5.10	TR	1.13
CCRB-021	960091.	12.00	15.00	TR	5.79	TR	1.09
CCRB-021	960092.	15.00	18.00	TR	5.02	TR	0.82
CCRB-021	960093.	18.00	21.00	TR	TR	TR	0.74
CCRB-021	960094.	21.00	24.00	TR	TR	TR	0.26
CCRB-021	960095.	24.00	27.00	TR	TR	TR	0.23
CCRB-022	960096.	0.00	3.00	TR	7.13	TR	1.33
CCRB-022	960097.	3.00	6.00	TR	TR	TR	1.98
CCRB-022	960098.	6.00	9.00	TR	TR	TR	1.01
CCRB-022	960099.	9.00	12.00	TR	8.34	TR	1.88
CCRB-022	960100.	12.00	15.00	TR	7.01	TR	1.94
CCRB-022	960101.	15.00	18.00	TR	15.52	TR	2.73
CCRB-022	960102.	18.00	21.00	TR	6.96	TR	0.78
CCRB-022	960103.	21.00	24.00	TR	11.92	TR	1.12
CCRB-023	960104.	0.00	3.00	TR	10.29	TR	1.73
CCRB-023	960105.	3.00	6.00	TR	16.21	TR	3.14
CCRB-023	960106.	6.00	9.00	TR	19.03	TR	2.52
CCRB-023	960107.	9.00	12.00	TR	18.83	TR	2.03
CCRB-023	960108.	12.00	15.00	TR	43.74	TR	4.60
CCRB-023	960109.	15.00	18.00	TR	65.61	TR	5.62
CCRB-023	960110.	18.00	21.00	5.05	66.84	TR	5.02
CCRB-023	960111.	21.00	24.00	TR	49.09	TR	3.87
CCRB-023	960112.	24.00	27.00	TR	53.19	TR	4.85
CCRB-023	960113.	27.00	30.00	TR	40.43	TR	4.75
CCRB-024	960114.	0.00	3.00	TR	10.35	TR	1.63
CCRB-024	960115.	3.00	6.00	TR	14.25	TR	2.27
CCRB-024	960116.	6.00	9.00	TR	29.23	TR	2.56
CCRB-024	960117.	9.00	12.00	TR	41.00	TR	3.07
CCRB-024	960118.	12.00	15.00	TR	33.50	TR	1.86
CCRB-024	960119.	15.00	18.00	TR	6.23	TR	0.48
CCRB-024	960120.	18.00	21.00	TR	16.07	TR	0.61
CCRB-024	960121.	21.00	24.00	TR	52.19	TR	1.52
CCRB-024	960122.	24.00	27.00	TR	32.60	TR	0.94
CCRB-024	960123.	27.00	30.00	TR	28.72	TR	0.90
CCRB-024	960124.	30.00	33.00	TR	23.56	TR	1.19
CCRB-024	960125.	33.00	36.00	TR	12.37	TR	1.86

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m) Detection	TO (m) Limit :	MN ppm 5	CO ppm 5	NI ppm 5	MO ppm
CCRB-001	960149.	0.00	3.00	900.08	12.57	6.30	TR
CCRB-001	960150.	3.00	6.00	544.00	8.38	6.74	TR
CCRB-001	960151.	6.00	9.00	2379.00	19.00	TR	TR
CCRB-001	960152.	9.00	12.00	321.08	6.22	5.96	TR
CCRB-001	960153.	12.00	15.00	186.14	TR	TR	TR
CCRB-001	960154.	15.00	18.00	37.75	5.76	5.14	TR
CCRB-002	960181.	0.00	3.00	165.68	10.30	9.25	TR
CCRB-002	960182.	3.00	6.00	202.45	8.16	9.87	TR
CCRB-002	960183.	6.00	9.00	85.68	5.90	TR	TR
CCRB-002	960184.	9.00	12.00	420.76	15.09	18.61	TR
CCRB-002	960185.	12.00	15.00	92.81	10.98	50.01	TR
CCRB-002	960186.	15.00	18.00	361.88	13.45	31.50	TR
CCRB-002	960187.	18.00	21.00	297.06	12.33	29.33	TR
CCRB-003	960155.	0.00	3.00	165.38	7.19	7.10	TR
CCRB-003	960156.	3.00	6.00	103.85	8.43	12.34	TR
CCRB-003	960157.	6.00	9.00	31.82	TR	10.38	TR
CCRB-003	960158.	9.00	12.00	81.01	7.06	19.57	TR
CCRB-003	960159.	12.00	15.00	181.04	11.19	32.85	TR
CCRB-003	960160.	15.00	18.00	57.67	TR	11.08	TR
CCRB-003	960161.	18.00	21.00	136.55	8.01	14.07	TR
CCRB-003	960162.	21.00	24.00	176.56	8.66	14.77	TR
CCRB-005	960163.	0.00	3.00	51.08	5.86	7.78	TR
CCRB-005	960164.	3.00	6.00	25.43	5.22	7.66	TR
CCRB-005	960165.	6.00	9.00	13.69	TR	TR	TR
CCRB-005	960166.	9.00	12.00	28.53	TR	6.05	TR
CCRB-005	960167.	12.00	15.00	110.25	5.19	TR	TR
CCRB-005	960168.	15.00	18.00	336.65	22.65	7.81	TR
CCRB-005	960169.	18.00	21.00	239.73	20.58	6.69	TR
CCRB-005	960170.	21.00	24.00	233.06	10.78	5.36	TR
CCRB-005	960171.	24.00	27.00	297.44	11.63	TR	TR
CCRB-005	960172.	27.00	30.00	811.57	21.78	8.13	TR
CCRB-005	960173.	30.00	33.00	1184.00	17.07	6.26	TR
CCRB-005	960174.	33.00	36.00	1184.33	22.63	8.06	TR
CCRB-005	960175.	36.00	39.00	798.81	20.17	5.60	TR
CCRB-005	960176.	39.00	42.00	741.72	17.55	6.01	TR
CCRB-006	960177.	0.00	3.00	108.58	7.87	8.27	TR
CCRB-006	960178.	3.00	6.00	534.31	17.55	9.24	TR
CCRB-006	960179.	6.00	9.00	1512.01	33.14	5.04	TR
CCRB-006	960180.	9.00	12.00	698.99	27.29	7.10	TR
CCRB-007	960126.	0.00	3.00	143.72	7.06	7.67	TR
CCRB-007	960127.	3.00	6.00	53.92	TR	5.57	TR
CCRB-007	960128.	6.00	9.00	27.93	TR	5.26	TR
CCRB-007	960129.	9.00	12.00	31.85	TR	7.58	TR
CCRB-007	960130.	12.00	15.00	15.04	TR	TR	TR
CCRB-007	960131.	15.00	18.00	113.20	TR	21.86	6.38
CCRB-007	960132.	18.00	21.00	62.83	TR	5.73	TR
CCRB-007	960133.	21.00	24.00	225.69	14.66	12.27	TR
CCRB-007	960134.	24.00	27.00	89.15	10.52	9.35	TR
CCRB-007	960135.	27.00	30.00	216.60	14.55	11.82	TR

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	MN ppm	CO ppm	NI ppm	MO ppm
		Detection Limit :		5	5	5	5
CCRB-007	960136.	30.00	33.00	225.40	14.46	14.58	TR
CCRB-007	960137.	33.00	36.00	297.92	16.36	11.66	TR
CCRB-007	960138.	36.00	39.00	243.17	12.38	12.07	TR
CCRB-009	960139.	0.00	3.00	254.33	11.18	9.43	TR
CCRB-009	960140.	3.00	6.00	153.38	12.57	12.08	TR
CCRB-009	960141.	6.00	9.00	604.51	15.81	10.66	TR
CCRB-009	960142.	9.00	12.00	496.22	20.25	16.93	TR
CCRB-011	960143.	0.00	3.00	657.84	16.42	11.99	TR
CCRB-011	960144.	3.00	6.20	562.98	16.40	15.09	TR
CCRB-013	960145.	0.00	3.00	141.04	6.00	TR	TR
CCRB-013	960146.	3.00	6.00	257.89	14.12	13.39	TR
CCRB-013	960147.	6.00	9.00	203.14	12.87	12.60	TR
CCRB-013	960148.	9.00	12.00	658.42	25.72	17.02	TR
CCRB-015	960001.	0.00	3.00	448.87	11.03	8.93	TR
CCRB-015	960002.	3.00	6.00	118.51	7.54	9.81	TR
CCRB-015	960003.	6.00	9.00	63.21	TR	5.40	TR
CCRB-015	960004.	9.00	12.00	109.42	TR	TR	TR
CCRB-015	960005.	12.00	15.00	86.03	TR	5.88	TR
CCRB-015	960006.	15.00	18.00	58.18	TR	TR	TR
CCRB-015	960007.	18.00	21.00	95.55	TR	7.26	TR
CCRB-015	960008.	21.00	24.00	70.79	TR	TR	TR
CCRB-015	960009.	24.00	27.00	80.35	TR	TR	TR
CCRB-015	960010.	27.00	30.00	39.90	TR	5.34	TR
CCRB-015	960011.	30.00	33.00	23.01	5.20	12.26	TR
CCRB-015	960012.	33.00	36.00	115.84	8.44	11.98	TR
CCRB-015	960013.	36.00	39.00	235.32	13.78	12.93	TR
CCRB-015	960014.	39.00	42.00	132.65	10.12	10.21	TR
CCRB-015	960015.	42.00	45.00	237.93	15.22	16.81	TR
CCRB-015	960016.	45.00	48.00	243.66	19.55	13.25	TR
CCRB-015	960017.	48.00	51.00	265.94	17.90	13.60	TR
CCRB-015	960018.	51.00	54.00	183.88	15.54	12.73	TR
CCRB-015	960019.	54.00	57.00	281.00	16.03	11.95	TR
CCRB-015	960020.	57.00	60.00	361.51	18.35	13.97	TR
CCRB-016	960021.	0.00	3.00	190.57	7.70	8.79	TR
CCRB-016	960022.	3.00	6.00	121.23	8.39	9.50	TR
CCRB-016	960023.	6.00	9.00	113.46	TR	7.27	TR
CCRB-016	960024.	9.00	12.00	146.62	TR	6.44	TR
CCRB-016	960025.	12.00	15.00	132.30	TR	9.40	TR
CCRB-016	960026.	15.00	18.00	106.20	TR	8.78	TR
CCRB-016	960027.	18.00	21.00	52.36	TR	10.88	TR
CCRB-016	960028.	21.00	24.00	42.36	5.06	10.24	TR
CCRB-016	960029.	24.00	27.00	48.46	5.14	10.85	TR
CCRB-016	960030.	27.00	30.00	62.18	8.18	12.45	TR
CCRB-017	960031.	0.00	3.00	113.19	5.95	9.03	TR
CCRB-017	960032.	3.00	6.00	176.87	7.48	10.61	TR
CCRB-017	960033.	6.00	9.00	32.28	TR	10.47	TR
CCRB-017	960034.	9.00	12.00	12.61	TR	7.07	TR
CCRB-017	960035.	12.00	15.00	18.09	TR	9.62	TR
CCRB-017	960036.	15.00	18.00	TR	TR	7.14	TR

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m) Detection Limit :	TO (m) Limit :	MN ppm 5	CO ppm 5	NI ppm 5	MO ppm
CCRB-017	960037.	18.00	21.00	6.79	TR	8.89	TR
CCRB-017	960038.	21.00	24.00	TR	TR	6.80	TR
CCRB-017	960039.	24.00	27.00	TR	TR	9.58	TR
CCRB-017	960040.	27.00	30.00	TR	TR	7.29	TR
CCRB-018	960041.	0.00	3.00	361.60	7.56	10.19	TR
CCRB-018	960042.	3.00	6.00	29.53	8.01	26.53	TR
CCRB-018	960043.	6.00	9.00	TR	5.58	33.75	TR
CCRB-018	960044.	9.00	12.00	TR	TR	29.39	TR
CCRB-018	960045.	12.00	15.00	5.71	TR	18.59	TR
CCRB-018	960046.	15.00	18.00	TR	TR	22.89	TR
CCRB-018	960047.	18.00	21.00	27.51	6.80	30.03	TR
CCRB-018	960048.	21.00	24.00	38.69	9.47	40.15	TR
CCRB-018	960049.	24.00	27.00	73.92	23.46	71.00	TR
CCRB-018	960050.	27.00	30.00	737.21	70.00	76.88	TR
CCRB-018	960051.	30.00	33.00	782.83	45.93	78.84	TR
CCRB-018	960052.	33.00	36.00	586.07	43.29	97.60	TR
CCRB-018	960053.	36.00	39.00	242.00	24.14	72.50	TR
CCRB-018	960054.	39.00	42.00	205.00	22.73	60.32	TR
CCRB-019	960055.	0.00	3.00	67.37	5.87	12.29	TR
CCRB-019	960056.	3.00	6.00	183.00	22.47	70.56	TR
CCRB-019	960057.	6.00	9.00	137.90	30.46	79.62	TR
CCRB-019	960058.	9.00	12.00	134.42	37.77	95.40	TR
CCRB-019	960059.	12.00	15.00	144.99	37.95	84.03	TR
CCRB-019	960060.	15.00	18.00	326.68	45.60	120.49	TR
CCRB-019	960061.	18.00	21.00	69.95	13.64	29.93	TR
CCRB-019	960062.	21.00	24.00	139.19	20.14	55.02	TR
CCRB-019	960063.	24.00	27.00	193.58	19.75	41.84	TR
CCRB-019	960064.	27.00	30.00	241.79	23.90	39.36	TR
CCRB-019	960065.	30.00	33.00	118.22	12.36	26.91	TR
CCRB-019	960066.	33.00	36.00	129.29	13.90	25.56	TR
CCRB-019	960067.	36.00	39.00	212.78	20.53	39.14	TR
CCRB-020	960068.	0.00	3.00	68.04	5.60	7.89	TR
CCRB-020	960069.	3.00	6.00	37.20	8.61	10.66	TR
CCRB-020	960070.	6.00	9.00	11.55	TR	9.58	TR
CCRB-020	960071.	9.00	12.00	28.71	8.94	33.13	TR
CCRB-020	960072.	12.00	15.00	17.79	5.35	20.35	TR
CCRB-020	960073.	15.00	18.00	TR	TR	18.70	TR
CCRB-020	960074.	18.00	21.00	TR	5.85	24.67	TR
CCRB-020	960075.	21.00	24.00	TR	TR	19.57	TR
CCRB-020	960076.	24.00	27.00	22.37	TR	17.49	TR
CCRB-020	960077.	27.00	30.00	56.06	9.61	20.44	TR
CCRB-020	960078.	30.00	33.00	56.39	9.77	23.51	TR
CCRB-020	960079.	33.00	36.00	634.05	55.19	182.45	TR
CCRB-020	960080.	36.00	39.00	189.55	14.91	40.16	TR
CCRB-020	960081.	39.00	42.00	75.52	8.91	32.79	TR
CCRB-020	960082.	42.00	45.00	123.01	11.48	28.77	TR
CCRB-020	960083.	45.00	48.00	137.35	13.30	30.30	TR
CCRB-020	960084.	48.00	51.00	142.32	12.97	33.21	TR
CCRB-020	960085.	51.00	54.00	443.04	27.32	54.29	TR

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	MN ppm	CO ppm	NI ppm	MO ppm
		Detection Limit :		5	5	5	5
CCRB-020	960086.	54.00	57.00	558.93	33.93	67.46	TR
CCRB-021	960087.	0.00	3.00	655.97	8.84	8.25	TR
CCRB-021	960088.	3.00	6.00	143.92	8.76	10.86	TR
CCRB-021	960089.	6.00	9.00	11.96	TR	TR	TR
CCRB-021	960090.	9.00	12.00	TR	TR	TR	TR
CCRB-021	960091.	12.00	15.00	TR	TR	TR	TR
CCRB-021	960092.	15.00	18.00	TR	TR	TR	TR
CCRB-021	960093.	18.00	21.00	TR	TR	TR	TR
CCRB-021	960094.	21.00	24.00	TR	TR	TR	TR
CCRB-021	960095.	24.00	27.00	TR	TR	TR	TR
CCRB-022	960096.	0.00	3.00	50.95	TR	5.64	TR
CCRB-022	960097.	3.00	6.00	39.74	TR	TR	TR
CCRB-022	960098.	6.00	9.00	38.26	TR	5.14	TR
CCRB-022	960099.	9.00	12.00	8.46	TR	TR	TR
CCRB-022	960100.	12.00	15.00	6.32	TR	6.52	TR
CCRB-022	960101.	15.00	18.00	TR	TR	7.70	TR
CCRB-022	960102.	18.00	21.00	TR	TR	TR	TR
CCRB-022	960103.	21.00	24.00	TR	TR	6.58	TR
CCRB-023	960104.	0.00	3.00	83.07	TR	16.59	TR
CCRB-023	960105.	3.00	6.00	18.53	TR	8.81	TR
CCRB-023	960106.	6.00	9.00	39.72	TR	7.15	TR
CCRB-023	960107.	9.00	12.00	22.01	TR	11.96	TR
CCRB-023	960108.	12.00	15.00	31.33	10.53	19.94	TR
CCRB-023	960109.	15.00	18.00	46.65	16.00	28.46	TR
CCRB-023	960110.	18.00	21.00	59.88	15.84	26.67	TR
CCRB-023	960111.	21.00	24.00	72.95	11.61	22.44	TR
CCRB-023	960112.	24.00	27.00	41.67	10.60	22.10	TR
CCRB-023	960113.	27.00	30.00	39.51	7.98	20.65	TR
CCRB-024	960114.	0.00	3.00	38.74	TR	5.66	TR
CCRB-024	960115.	3.00	6.00	49.62	TR	15.79	TR
CCRB-024	960116.	6.00	9.00	32.21	5.30	8.62	TR
CCRB-024	960117.	9.00	12.00	138.92	7.63	16.47	TR
CCRB-024	960118.	12.00	15.00	78.40	6.31	5.30	TR
CCRB-024	960119.	15.00	18.00	19.44	TR	8.61	TR
CCRB-024	960120.	18.00	21.00	26.80	TR	5.19	TR
CCRB-024	960121.	21.00	24.00	161.81	6.74	28.82	TR
CCRB-024	960122.	24.00	27.00	58.90	TR	8.69	TR
CCRB-024	960123.	27.00	30.00	72.40	TR	15.81	TR
CCRB-024	960124.	30.00	33.00	TR	TR	8.43	TR
CCRB-024	960125.	33.00	36.00	27.79	TR	11.52	TR

APPENDIX 4

RAB DRILLING LITHOLOGY DATA

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Downhole Lithology

BHID	FROM (m)	TO (m)	LITHOLOGY CODE
CCRB-001	0.00	2.00	RS/CO
CCRB-001	2.00	19.00	GRD
CCRB-002	0.00	2.00	RS/qh
CCRB-002	2.00	4.00	CO
CCRB-002	4.00	9.00	GR
CCRB-002	9.00	11.00	V
CCRB-002	11.00	21.00	SL/fo1
CCRB-003	0.00	2.00	RS/CO
CCRB-003	2.00	3.00	CO
CCRB-003	3.00	5.00	SL/CA
CCRB-003	5.00	16.00	SL/fo1
CCRB-003	16.00	19.00	SL/q
CCRB-003	19.00	24.00	SL/Si
CCRB-005	0.00	2.00	RS/CO
CCRB-005	2.00	4.00	CO
CCRB-005	4.00	27.00	SL/fo1/q
CCRB-005	27.00	38.00	v/s/h
CCRB-005	38.00	42.00	v/trh
CCRB-006	0.00	2.00	RS/CO
CCRB-006	2.00	4.00	CO
CCRB-006	4.00	12.00	S/SH
CCRB-007	0.00	2.00	RS
CCRB-007	2.00	3.00	CO
CCRB-007	3.00	4.00	CLY/CA
CCRB-007	4.00	10.00	CA
CCRB-007	10.00	13.00	CA/q
CCRB-007	13.00	17.00	CLY/CA/q
CCRB-007	17.00	21.00	CLY/blq
CCRB-007	21.00	27.00	SAP
CCRB-007	27.00	39.00	DIO/fo1
CCRB-009	0.00	1.00	RS
CCRB-009	1.00	3.00	CO
CCRB-009	3.00	12.50	GR/fo1
CCRB-011	0.00	1.00	RS
CCRB-011	1.00	3.00	CO
CCRB-011	3.00	6.20	GR
CCRB-013	0.00	2.00	R/S
CCRB-013	2.00	3.00	CO
CCRB-013	3.00	13.00	GR/fo1
CCRB-015	0.00	2.00	RS/CO
CCRB-015	2.00	5.00	CO
CCRB-015	5.00	7.00	V
CCRB-015	7.00	25.00	v/q
CCRB-015	25.00	60.00	GR/fo1
CCRB-016	0.00	2.00	RS/CO
CCRB-016	2.00	4.00	CO
CCRB-016	4.00	30.00	GR
CCRB-017	0.00	3.00	RS/q
CCRB-017	3.00	4.00	CO
CCRB-017	4.00	30.00	SL/q

NORMANDY GOLD PTY LIMITED
 EL 8142 CROW CALL
 Downhole Lithology

BHID	FROM (m)	TO (m)	LITHOLOGY CODE
CCRB-018	0.00	2.00	RS
CCRB-018	2.00	3.00	CO
CCRB-018	3.00	7.00	SL
CCRB-018	7.00	14.00	SL/CAb1
CCRB-018	14.00	42.00	SL
CCRB-019	0.00	2.00	RS/CO
CCRB-019	2.00	4.00	CO
CCRB-019	4.00	10.00	CA/Cly
CCRB-019	10.00	15.00	Cly
CCRB-019	15.00	21.00	Cly/CA
CCRB-019	21.00	26.00	Cly
CCRB-019	26.00	39.00	GRD
CCRB-020	0.00	1.00	RS
CCRB-020	1.00	6.00	SL/fo1
CCRB-020	6.00	10.00	SL/CA
CCRB-020	10.00	20.00	SL/fo1
CCRB-020	20.00	24.00	SL/q
CCRB-020	24.00	25.00	Cly/CA
CCRB-020	25.00	28.00	Cly
CCRB-020	28.00	32.00	Cly/q
CCRB-020	32.00	33.00	Cly
CCRB-020	33.00	43.00	Cly/q
CCRB-020	43.00	57.00	Cly
CCRB-021	0.00	1.00	RS
CCRB-021	1.00	4.00	CO
CCRB-021	4.00	25.00	SL/fo1
CCRB-021	25.00	27.00	SL/fo1q
CCRB-022	0.00	3.00	RS/CO
CCRB-022	3.00	5.00	CO
CCRB-022	5.00	11.00	SL/CA
CCRB-022	11.00	24.00	SL/fo1
CCRB-023	0.00	2.00	RS
CCRB-023	2.00	4.00	CO
CCRB-023	4.00	11.00	SL/si
CCRB-023	11.00	31.00	SL
CCRB-024	0.00	2.00	RS
CCRB-024	2.00	5.00	CO
CCRB-024	5.00	9.00	GR/SAP
CCRB-024	9.00	28.00	GR
CCRB-024	28.00	31.00	Q
CCRB-024	31.00	34.00	SLSSQ
CCRB-024	34.00	36.00	SLSS/si

LITHOLOGICAL LEGEND FOR TENNANT CREEK

ROCK TYPE / MINERALOGY / STRUCTURE, ALTERATION AND TEXTURE

ROCK TYPE

AGL	- ARGILLITE	HSH	- HAEMATITE SHALE
AMP	- AMPHIBOLITE	HSL	- HAEMATITE SILTSTONE
AS	- ALTERED SEDIMENTS	LAMP	- LAMPROPHYRE
BIF	- BANDED IRON FORMATION	M	- MAGNETITE ROCK
CA	- CALCARETE	PEG	- PEGMATITE
CG	- CONGLOMERATE	QFP	- QUARTZ-FELDSPAR PORPHYRY
CHT	- CHERT	QP	- QUARTZ PORPHYRY
CL	- CLAY	QZT	- QUARTZITE
CO	- COLLUVIUM	SBX	- SEDIMENTARY BRECCIA
CRB	- CARBONATES	SC	- SILICIC CAPROCK
D	- DOLOMITE ROCK	SERP	- SERPENTINITE
DOL	- DOLERITE	SH	- SHALE
DR	- DIORITE	SIL	- SILCRETE
EX	- EXCARBONATE	SL	- SILTSTONE
FER	- FERRICRETE	SS	- SANDSTONE
GR	- GRANITE	ST	- SCHIST
GRD	- GRANODIORITE	TF	- TUFF
GW	- GREYWACKE	NOCORE	- NO CORE
H	- HAEMATITE ROCK		

MINERALOGY

a	- amphibole	h	- haematite
act	- actinolite	j	- jasper
Au	- gold	k	- kaolin
bi	- bismuthinite	li	- limonite
bn	- bornite	m	- magnetite
bt	- biotite	ml	- malachite
c	- chlorite	mv	- muscovite
Carb	- carbonate (undifferentiated)	po	- pyrrhotite
cc,ct	- chalcocite	py	- pyrite
cp	- chalcopyrite	Q,q	- quartz
Ct	- cuprite	s	- sericite
Cu	- native copper	sl	- sphalerite
cv	- covellite	sp	- specularite
d,dl	- dolomite	T,t	- talc
ep	- epidote	tn	- tourmaline
gn,gl	- galena	tr	- tremolite

STRUCTURE, ALTERATION AND TEXTURE

B,bl	- bleaching	Fz	- fracture zone
b	- blebs	Lm	- laminated
Bd	- bedding	Sl	- silicification
BOCO	- base of complete oxidation	Sz	- shear zone
Bx	- breccia	V	- vein (prefix mineral eg qV)
cl	- clay	\	- interbedded
Ds,ds	- disseminated	*,)	- stringer mineral
F	- fault	>	- denotes dominant lithology
Fol	- foliated	-	- grading (eg GW-SL)