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THIRD ANNUAL REPORT

FOR SUBSTITUTE EXPLORATION LICENCE 8814

FOR THE PERIOD 28/4/97 TO 27/4/98

TENNANT CREEK DISTRICT, NORTHERN TERRITORY

SHORT RANGE PROSPECT

TENNANT CREEK 1:250,000 SHEET SE 53-14

VOLUME 1 OF 1

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DATE: MAY 1998

AUTHORISED BY:

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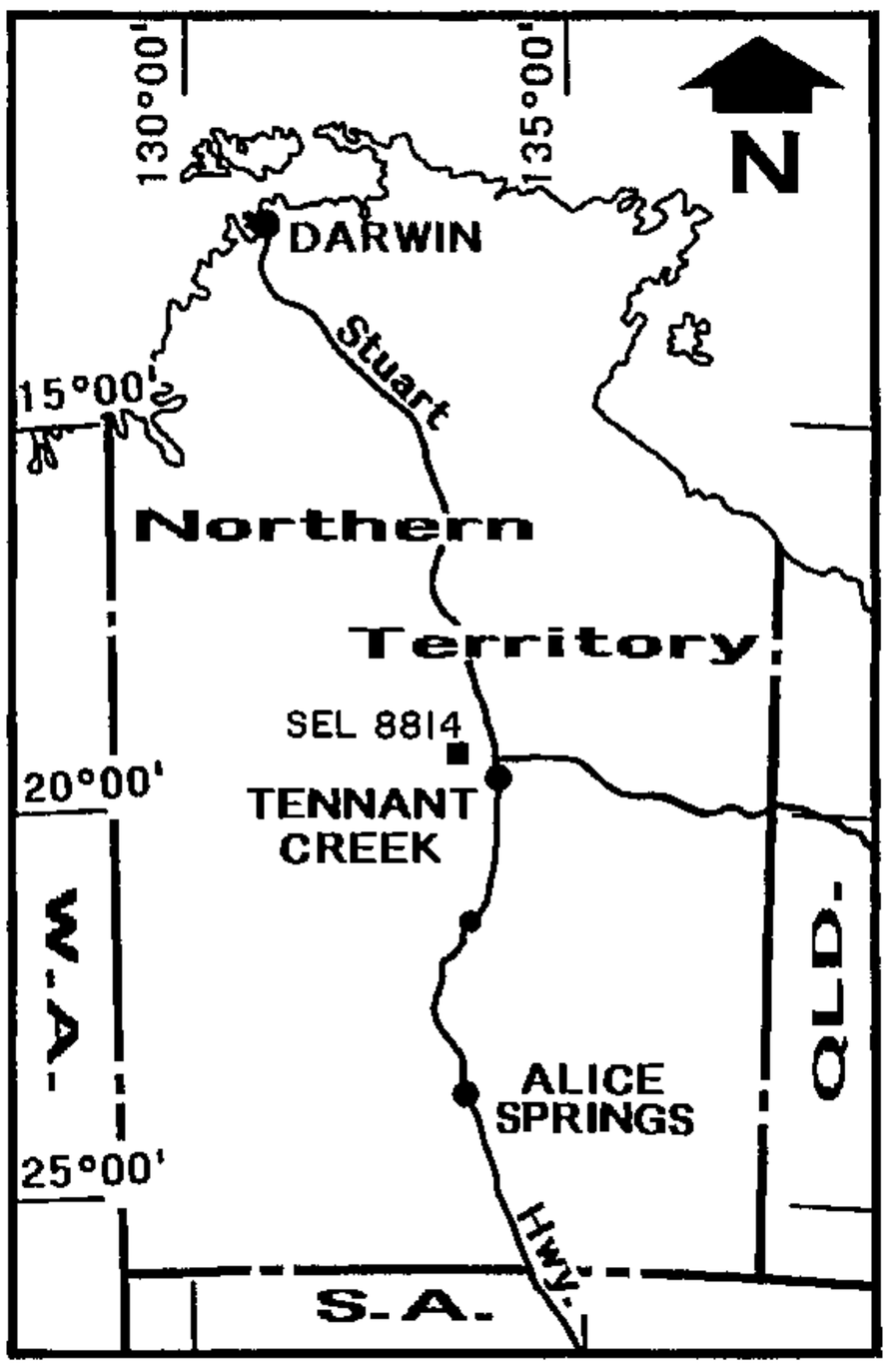
SUMMARY

REPORT NO: TENNANT CREEK: 98042 ADELAIDE: 18065
TITLE: THIRD ANNUAL REPORT FOR SUBSTITUTE EXPLORATION LICENCE 8814 FOR THE PERIOD 28/4/97 TO 27/4/98 TENNANT CREEK DISTRICT, NORTHERN TERRITORY SHORT RANGE PROSPECT TENNANT CREEK 1:250,000 SHEET SE 53-14, VOLUME 1 OF 1.
AUTHOR: B WARD & P MOUCHET
DATE: MAY 1998



This report details work completed on SEL 8814 (Short Range) during the third year of tenure. SEL 8814 - Short Range was granted on 28 April 1995 for a period of three years. A renewal application for a period of two years has been lodged on 19 January 1998. The SEL was formed by combining former EL 6795 (Wren Prospect), EL 7896 (Western Range Prospect), EL 7897 (Headframe Prospect), EL 8080 (Mars Prospect), EL 8535 (Cascade Prospect), EL 8667 (Asteroid Prospect) and EL 8668 (Meteorite Prospect).

The tenement includes 18 graticular blocks covering an area of 58 square kilometers and is located approximately 60km NW of Tennant Creek, close to the Warrego Mine.

Normandy explored the licence for ironstone hosted Au/Cu/Bi mineralisation within Warramunga Formation rocks.

Work completed over SEL 8814 during the third year of tenure included:

- A review of previous bedrock geochemistry data and additional assaying;
- A helimagnetics survey;
- a ground magnetic survey (29 line kms) and causal modeling;
- a TDEM survey (1.5 line kms); and
- two RC holes both abandoned short of target zone (420m)

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1 CONCLUSIONS & RECOMMENDATIONS

The focus of exploration during the third year of tenure was on geophysical testing of magnetic anomalies and a review of bedrock geochemical data, including additional assaying. Two anomalies have been highlighted for drill testing. Modeling of ground magnetics (29 line kms) and moving-loop TDEM (1.5 line kms) approximately 3km north of Warrego have defined probable ironstone at depth. Attempted RC drilling failed due to excessive water. Diamond drill testing of this target is recommended for the next financial year.

A review of previous geochemistry has defined a bedrock geochemical anomaly peaking at 15ppb Au, approximately 15km NW of the Warrego Mine Site.

2 INTRODUCTION

SEL 8814 initially comprised seven Exploration Licences in the Short Range area around and to the north of the Warrego Mine. This report details work undertaken on SEL 8814 during the third year of tenure.

3 LOCATION & ACCESS

SEL 8814 (Short Range) comprises 18 graticular blocks around and NNW of the Warrego Mine located 50km NW of Tennant Creek (Figure 1). Access is gained via the sealed Warrego Road, thence along the unsealed Wiso borefield road and north along bush tracks or along the Amadeus Basin to Darwin gas pipeline track which traverses the licence or via the graded road leading NE from Warrego to the old Last Hope Mine.

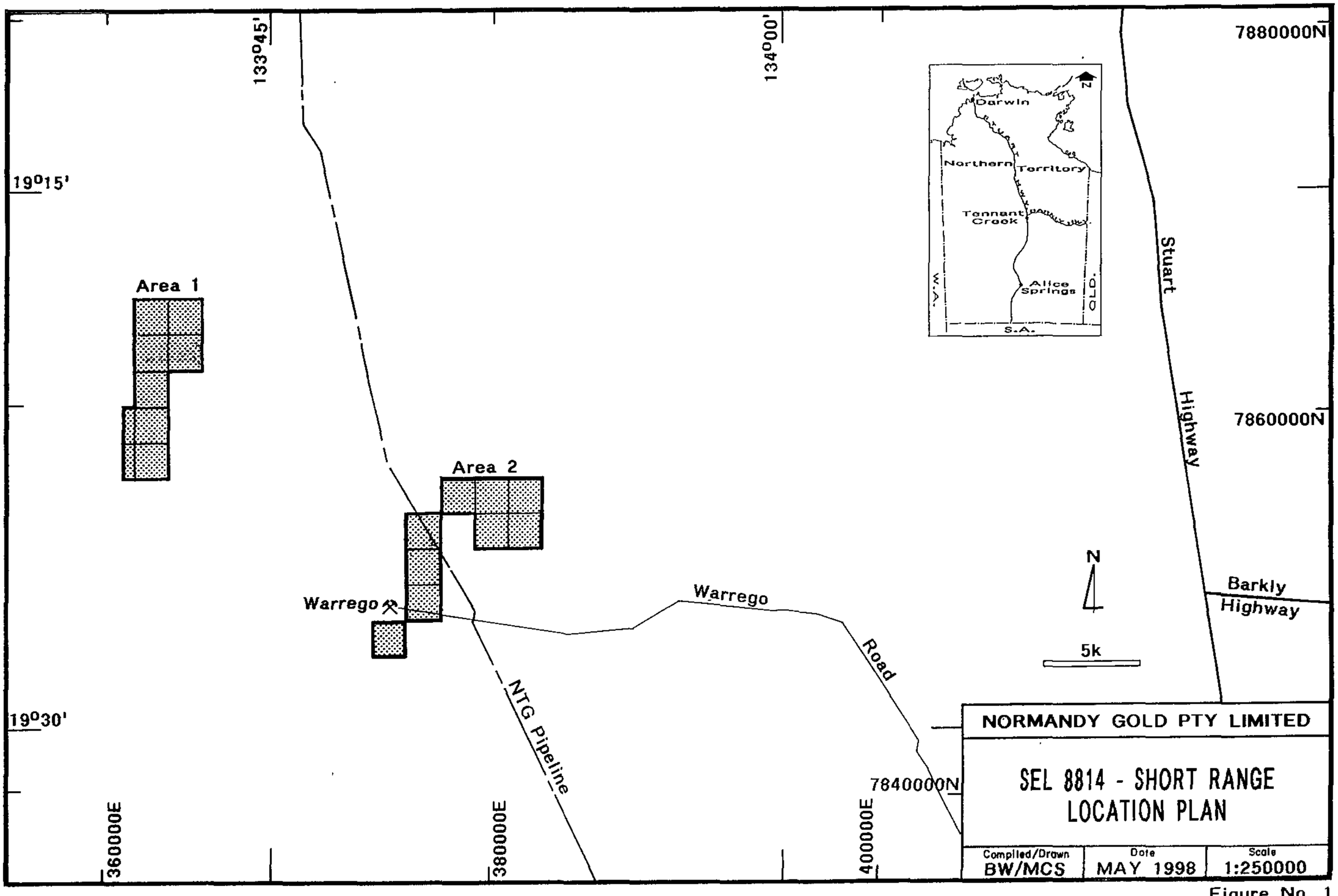
The climate of the Tennant Creek district is mild and dry through most of the autumn to spring months. The summer period is hot with seasonal heavy rainfall between January and March making access very difficult during these periods.

4 TENURE

SEL 8814 comprising ELs 6795, part of 7896, 7897, 8080, 8081, 8535, 8667 and 8668 was granted to Normandy on 28 April 1995 for a period of three (3) years, and comprised initially 69 blocks (210 square km). Only part of EL 7896 was enclosed in SEL 8814 because the western boundary of EL 7896 encroaches over Aboriginal Freehold Land (letter to Normandy from the DME, 11/1/95). As a result, eight (8) graticular blocks encroaching the western boundary were excluded.

On 29 March 1996, 29 of the 69 blocks comprising the tenement were relinquished, in accordance with Section 26 of the Mining Act. On 27 March 1997, 22 of the 40 blocks comprising the tenement were relinquished, in accordance with Section 26 of the Mining Act, following completion of exploration and negative conclusions. An application for a two-year renewal of SEL 8814 has been lodged 19 January 1998.

Normandy Gold Pty Limited holds numerous Mining Leases and Holding Licences located wholly or partially within the tenement. MLCs 22, 39-41, 71-74, 81-82, 98-102, 104-106, 170, 682 and 692 are located in the surrounds of Warrego. HLDCs 37, 45 and 46 cover dams to the north of Warrego.



NORMANDY GOLD PTY LIMITED

SEL 8814 - SHORT RANGE
LOCATION PLAN

Compiled/Drawn	Date	Scale
BW/MCS	MAY 1998	1:250000

Figure No. 1

5 REGIONAL GEOLOGY

The geological understanding of the Tennant Creek Inlier has been recently advanced by detailed geological mapping over the Tennant Creek and Flynn 1:100,000 map sheets (Donnellan et. al. 1995), precision dating of stratigraphic components of the region (Compston, 1995) and regional geophysical interpretations.

The oldest exposed Proterozoic lithofacies in the Tennant Creek Inlier are the metasedimentary rocks of the Warramunga Formation, which are the hosts to the ironstone Au-Cu-Bi mineralisation of the Tennant Creek Goldfield. These Palaeoproterozoic metasediments were deposited approximately 1860 Ma. Deformation and intrusion of the Warramunga Formation by volumous porphyries and granitoids occurred during the Barramundi Orogeny (1858 Ma to 1845 Ma).

Following deformation and uplift the volcanics and volcaniclastics of the Flynn Sub-Group were erupted (1845 Ma to 1827 Ma), with intrusion of porphyries and minor granitoids into the Warramunga Formation. An additional deformation event preceded the deposition of the Hatches Creek Group/Tomkinson Creek Sub-Group (1820 Ma to 1785 Ma) and the intrusion of late-stage granitoids and porphyries into both the Warramunga Formation and Flynn Sub-Group at 1650-1712 Ma.

6 LOCAL GEOLOGY

SEL 8814 covers an area of poor outcrop where aeolian sand cover dominates. The basement geology is interpreted from geophysical data (AMAG and GRAV) and drilling data to include Warramunga Formation and Flynn Sub-Group metasedimentary lithologies and the Warrego Granite margins.

Warramunga Formation is the dominant basement in the western and southern portion of the tenements. Flynn Sub-Group lithologies are evident in the northeastern portion. The Warrego Granite occupies the central northern portion and is locally present in the southern portion of the tenements. Lithological information from vacuum drilling and geophysical interpretation suggest that the Warrego Granite has a complex geometry.

7 PREVIOUS WORK

Various companies worked on the area covered by SEL 8814.

Under exploration titles EL 214 (Bamford et al., 1973) and EL 3573 (Love, 1984), Geopeko used low level aeromagnetic data flown by both the Bureau of Mineral Resources and Geopeko to define two magnetic anomalies named Explorer 68 and 70. Explorer 68 (3km N of Warrego) was further defined with ground magnetics and comprises a weak magnetic bullseye with a poorly defined associated dipolar magnetic low. Explorer 70 (2km N of Warrego) was also located via ground magnetics and defined as a weak magnetic high only. Both Explorer 68 and Explorer 70 were interpreted to be due to the presence of magnetic sediments.

During the late 70s, Uranerz held numerous exploration licences within the Tennant Creek fields (including EL 1668, which includes the areas of EL 6795 and EL 7897) targeting uranium mineralisation associated with either haematite-magnetite bodies or unconformity related deposits (Taylor, 1979).

CRA Exploration undertook airborne magnetic and radiometric surveys. Two radiometric anomaly sources were investigated and explained by groundwater ponding and evaporation (Newell and Jenke, 1982; Snelling and Jenke, 1980).

During the mid to late 80's, CEGBEA, later to have Golden Plateau NL as a joint venture partner held four exploration licences within the Tennant Creek field. CEGBEA utilised radiometric, magnetic (Starkey, 1987) and geochemical programmes to target uranium and gold mineralisation (Fordyce, 1988). CEGBEA re-investigated the anomalies generated by CRA Exploration.

During the late 80's EL 4895, held by Australian Development Limited (ADL), now PosGold, covered EL 6795. Stream sediment sampling conducted in 1988 identified the Fossicker prospect as an area worthy of follow-up, located in the central south area of EL 4895 (Fordyce, 1989; Lindsay-Park, 1991a).

Since 1990, PosGold has conducted further stream sediment sampling, soil sampling and RC drilling (Lindsay-Park, 1991), infill soil sampling (Lindsay-Park, 1992a), ground magnetic surveying (Lindsay-Park, 1993) vacuum geochemical drilling (Hunter, 1994), and infill vacuum drilling (Evans, 1995 and 1995a). The work defined anomalous geochemical responses in the Last Hope vicinity. The Last Hope Mine is the only mine located within EL 6795 and comprises several shallow pits and shaft systems. In 1936, alluvial gold was discovered in the creek system west of the mine. The graticular block immediately south of Last Hope is a gazetted public fossicking area (FA 04).

Gold mineralisation at Last Hope is associated with quartz reefs and stringers which fracture-fill dolerite on a dolerite-sediment contact. The Last Hope Mine (also known as Mad Mick's Mine) is the only example of this style of mineralisation in the Tennant Creek Field. Production from 1947 to 1951 was 22 tonnes yielding 55 ounces of gold (Ivanhoe, 1954).

In February 1990, PosGold purchased EL 4896 from the CEGBEA - Golden Plateau NL joint venture. Work conducted by PosGold on EL 4896 for the period February 1990 to May 1992 included regional geological appraisal of the licence area and a Golden Plateau NL commissioned aeromagnetic survey over the entire EL 4896 area (Lindsay-Park, 1990 & 1992).

PosGold undertook a comprehensive exploration programme involving stream sediment and soil sampling over EL 4896. Limited RC drilling was conducted to test magnetic anomalies highlighted in the earlier aeromagnetic surveys. These were named Chook, Chook North, Parakeet and Toucan (Lindsay-Park, 1990, 1991 & 1992).

Exploration undertaken over EL 7896 for the period 5/2/93 to 28/4/95 comprises regional vacuum drilling, infill vacuum drilling and RAB drilling (Evans, 1995 and 1995a). The samples recovered from the infill vacuum programme were submitted after 28/4/95 and, as indicated in Evans (1995b) were reported in Mouchet (1996).

The lithologies intersected included haematite-altered siltstone, shale, quartz-porphyry and saprolitic clay. Bottom of hole bedrock samples were collected and submitted for low level Au, Cu, Bi, Pb, Zn and Ag analysis by AAS using an aqua regia digest.

Exploration over EL 7897 (Headframe Prospect) for the period 28/3/93 to 28/4/95 comprises vacuum drilling and a ground magnetic survey (Evans, 1994 & 1995c). Drilling targeted the interpreted window of Warramunga Formation metasediments in the central north of the licence and its contact with Warrego Granite to the west. The

ground magnetic survey defined two magnetic anomalies, one corresponding to Explorer 70; the other located 500 meters south.

Exploration over EL 8080 (Mars Prospect) for the period 28/4/93 to 28/4/95 comprises airborne magnetic survey, photogeological mapping regional vacuum drilling (Hunter, 1994) and overburden sampling (Evans, 1995d). The drilling was planned to target regional magnetic anomalies.

Exploration over EL 8081 (Jupiter Prospect) for the period 28/4/93 to 28/4/95 comprises an airborne magnetic survey, photogeological mapping (Hunter, 1994a) and vacuum drilling (Evans, 1995e). The drilling was planned to cover a magnetic anomaly and interpreted faults.

Exploration over EL 8535 (Cascade Prospect) for the period 14/3/94 to 28/4/95 comprises vacuum drilling and RAB drilling (Evans, 1995f).

Exploration over EL 8667 (Asteroid Prospect) and EL 8668 (Meteorite Prospect) for the period 15/6/94 to 28/4/95 comprises geological reconnaissance field trips and a review of the exploration data from previous explorers (Evans, 1995g and 1995h).

During the first year of tenure exploration over SEL 8814 involved extensive vacuum drilling (1016 drillholes), with 22 RAB drillholes following up on generated geochemical anomalies. Rock chip sampling was conducted locally (Mouchet, 1996). Work completed during year two of tenure included 6 RAB holes (316 meters of drilling) and 2 RC holes (289 meters of drilling) testing priority magnetic and geochemical targets. Intersected lithologies and assay results confirmed the presence of non-economic ironstone-sulphide hydrothermal alteration systems (Clifford, 1997).

8 WORK CARRIED OUT DURING REPORTING PERIOD

Exploration conducted within SEL 8814 during the third year of tenure was focused on characterising the nature of the magnetic and conductive signature of a probable buried magnetic ironstone previously referred to as Explorer 68. A RC drill hole planned to intersect the modeled magnetic body was abandoned, as was a second attempt.

8.1 RC drilling

Two drill holes targeted from causal magnetic modeling of the ground magnetics over Explorer 68 were drilled towards the south. Both drill holes passed through a 12-metre granite sill overlying Warramunga Group sediments. The first hole was terminated at 216 metres due to the hole not lifting as planned. The peak result from EXP68RC1 was 144-150m (6m) at 0.03ppm Au with high Mn (1100ppm) probably accounting for the elevated Au. The second hole was collared closer to the source but was also terminated prematurely at 204 metres due to an excessive quantity of ground water and the hole condition causing the hammer to be clogged. The peak geochemical response for EXPRC2 was 174 – 186m (12m) at 0.03 ppm Au.

As the RC drilling was scheduled for commencement during the 98/99 financial year the predicted expenditure for exploration to be conducted during the next anniversary period will be reduced.

Drill testing the target will be conducted during the next financial year using diamond-drilling methods. For results of the drilling refer to Figures 2 and 3 and Appendices 2 to 5.

8.2 Helimagnetics Survey

A helimagnetics survey was conducted over a portion of the Short Range SEL as part of a larger survey covering the Navigator Group of tenure. The data was gathered using the Normandy proprietary helimagnetics sensor suspended on a steel cable beneath the aircraft. The survey configuration was 50 metre spaced N-S lines, sampled approximately every 7 metres with an average terrain clearance of 30 metres. The results of the survey are shown in Figure 4.

8.3 Additional assaying of vacuum drill hole samples

A total of 173 bedrock samples were assayed. Results of the assaying are presented in Figure 5, and the raw data is shown in Appendix 6 and 7.

8.4 Ground magnetics survey

A ground magnetics survey was conducted exclusively over the Explorer 68 magnetic feature. The survey comprised lines with a 50-metre spacing with stations at approximately 1-metre intervals. A total of 29 line kilometres were collected. The survey was conducted using the Normandy Gold Pty Limited proprietary rapid sampling magnetometer and GeoInstruments base station. A contour representation of the results of the data is shown in Figure 6.

8.5 TDEM survey

A single TDEM line was conducted E-W on 7852850N AMG. The sample spacing was 50 metres and the line extended for 1450 metres. The data was modeled for a conductor. The device used was the Normandy Gold Pty Limited proprietary POS-EM instrument. The results of the survey are shown in Figure 7.

9 EXPENDITURE STATEMENT FOR THE PERIOD 28/4/97 TO 27/4/98

During year three of tenure, SEL 8814 incurred an expenditure of $68,105 against a covenant of $15,000. The extra high loading of expenditure during this year of tenure is due to the premature drilling of the Explorer 68 magnetic anomaly due to access to an RC drilling rig capable of reaching the target depth. A breakdown of this expenditure follows (Table 1):

Table 1: Exploration Expenditure for SEL 8814 from 28/4/97 to 27/4/98

EXPENSE	COST
Employee Costs	$ 10,473.00
Overheads	$ 7,426.50
Drilling	$ 13,440.00
Assays	$ 5,359.00
Operating Costs	$ 12 921.50
Specialist Services	$ 12,388.00
Tenement Costs	$ 5,897.00
Research	$ 200.00
TOTAL	**$ 68,105.00**

10 RECOMMENDED WORK PROGRAMME & PROPOSED EXPENDITURE FOR THE PERIOD 28/4/98 TO 27/4/99

The Explorer 68 target requires drill testing by diamond drilling and magnetic probing to determine the extent of the modeled ironstone. Consequently, the proposed expenditure of $45,000 (as detailed in the renewal application) will be met.

A proposed expenditure of $45,000 is detailed below (Table 2):

Table 2: Proposed Exploration Expenditure for SEL 8814

EXPENSE	COST
Employee Costs	$ 8,525
Overheads	$ 6,751
Drilling	$ 14,670
Assays	$ 3,070
Operating Costs	$ 5,019
Specialist Services	$ 4,060
Tenement Costs	$ 2,905
TOTAL	**$ 45,000**

11 ENVIRONMENTAL/REHABILITATION REPORT

Normandy Gold has commenced an active rehabilitation programme over much of the Tennant Creek field. This commitment has been reinforced within the Normandy Group with the appointment of a Group Environmental Engineer to oversee and implement the Group's guidelines and objectives. In addition to this an Environmental Superintendent has been engaged at Tennant Creek to design and implement the Group's objectives throughout the Tennant Creek area.

As an example of the Group's commitment to environmental issues several active rehabilitation programmes are currently being undertaken in the Tennant Creek field. These include programmes at Nobles Nob, Eldorado, White Devil and Warrego.

An Environmental Management Plan for the Company's Tennant Creek Operations (Fowler, 1993) has been submitted to the Department of Mines and Energy under separate cover (March 1993). This plan details the strategies to be implemented over various areas following completion of exploration programmes and mining operations.

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APPENDIX ONE

BIBLIOGRAPHIC DATA SHEET

BIBLIOGRAPHIC DATA SHEET

REPORT NUMBER:	TENNANT CREEK: 98042 ADELAIDE: 18065
REPORT NAME:	THIRD ANNUAL REPORT FOR SUBSTITUTE EXPLORATION LICENCE 8814 FOR THE PERIOD 28/4/97 TO 27/4/98 TENNANT CREEK DISTRICT, NORTHERN TERRITORY SHORT RANGE PROSPECT TENNANT CREEK 1:250,000 SHEET SE 53-14, VOLUME 1 OF 1.
PROSPECT NAME:	SHORT RANGE
TENEMENT NUMBER:	SEL 8814
OWNER/JV PARTNERS:	NORMANDY GOLD PTY LIMITED
AGREEMENT:	
COMMODITIES:	GOLD, COPPER
TECTONIC UNITS:	TENNANT CREEK INLIER
STRATIGRAPHIC UNITS:	WARRAMUNGA FORMATION, FLYNN SUBGROUP, WARREGO GRANITE
1:250,000 MAP SHEET:	TENNANT CREEK SE 53-14
1:100,000 MAP SHEET:	SHORT RANGE 5659
KEYWORDS:	PALAEOPROTEROZOIC, RC DRILLING, HELIMAG SURVEYS, CHEMICAL ANALYSIS, EM SURVEYS, GROUND MAGNETIC SURVEYS, GEOPHYSICAL INTERPRETATION

APPENDIX TWO

SEL 8814 – SHORT RANGE, DOWN HOLE ASSAY RESULTS

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	Au ppm	Cu ppm	Bi ppm	As ppm
		Detection Limit :		>01	>2	>10	>10
EXP68RC1	181306.	0.00	6.00	TR	17.00	TR	TR
EXP68RC1	181312.	6.00	12.00	TR	23.00	TR	TR
EXP68RC1	181318.	12.00	18.00	0.01	12.00	TR	TR
EXP68RC1	181324.	18.00	24.00	0.01	18.00	TR	TR
EXP68RC1	181330.	24.00	30.00	0.02	18.00	TR	TR
EXP68RC1	181336.	30.00	36.00	0.02	9.00	TR	TR
EXP68RC1	181342.	36.00	42.00	0.01	15.00	TR	TR
EXP68RC1	181348.	42.00	48.00	0.01	16.00	TR	TR
EXP68RC1	181354.	48.00	54.00	0.01	16.00	TR	TR
EXP68RC1	181360.	54.00	60.00	TR	24.00	TR	TR
EXP68RC1	181366.	60.00	66.00	TR	15.00	TR	TR
EXP68RC1	181372.	66.00	72.00	0.01	19.00	TR	TR
EXP68RC1	181378.	72.00	78.00	TR	15.00	TR	TR
EXP68RC1	181384.	78.00	84.00	TR	9.00	TR	TR
EXP68RC1	181390.	84.00	90.00	TR	6.00	TR	TR
EXP68RC1	181396.	90.00	96.00	TR	2.00	TR	TR
EXP68RC1	181402.	96.00	102.00	TR	9.00	TR	TR
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EXP68RC1	181432.	126.00	132.00	0.01	6.00	TR	TR
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EXP68RC2	181528.	126.00	132.00	TR	26.00	TR	TR
EXP68RC2	181534.	132.00	138.00	TR	14.00	TR	TR
EXP68RC2	181540.	138.00	144.00	TR	16.00	TR	TR
EXP68RC2	181546.	144.00	150.00	0.01	4.00	TR	TR
EXP68RC2	181552.	150.00	156.00	0.01	4.00	TR	TR
EXP68RC2	181558.	156.00	162.00	0.01	9.00	TR	TR
EXP68RC2	181564.	162.00	168.00	0.01	8.00	TR	TR
EXP68RC2	181570.	168.00	174.00	0.03	52.00	TR	TR
EXP68RC2	181576.	174.00	180.00	0.03	18.00	TR	TR
EXP68RC2	181582.	180.00	186.00	0.03	19.00	TR	TR
EXP68RC2	181588.	186.00	192.00	0.02	33.00	TR	TR
EXP68RC2	181594.	192.00	198.00	0.03	15.00	TR	TR

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	Au ppm	Cu ppm	Bi ppm	As ppm
		Detection Limit :		>01	>2	>10	>10
EXP68RC2	181600.	198.00	204.00	0.02	14.00	TR	TR

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	Pb ppm	Fe %	Mn ppm	Co ppm
		Detection Limit :		>4	>01	>4	>4
EXP68RC1	181306.	0.00	6.00	20.00	4.85	480.00	13.00
EXP68RC1	181312.	6.00	12.00	15.00	4.37	420.00	TR
EXP68RC1	181318.	12.00	18.00	TR	2.08	130.00	TR
EXP68RC1	181324.	18.00	24.00	5.00	2.50	50.00	TR
EXP68RC1	181330.	24.00	30.00	10.00	2.60	55.00	TR
EXP68RC1	181336.	30.00	36.00	10.00	2.07	145.00	TR
EXP68RC1	181342.	36.00	42.00	10.00	1.57	330.00	TR
EXP68RC1	181348.	42.00	48.00	TR	1.55	750.00	6.00
EXP68RC1	181354.	48.00	54.00	TR	1.90	1100.00	13.00
EXP68RC1	181360.	54.00	60.00	10.00	2.27	500.00	10.00
EXP68RC1	181366.	60.00	66.00	TR	2.06	240.00	8.00
EXP68RC1	181372.	66.00	72.00	5.00	2.05	240.00	9.00
EXP68RC1	181378.	72.00	78.00	5.00	2.60	145.00	10.00
EXP68RC1	181384.	78.00	84.00	TR	1.93	250.00	13.00
EXP68RC1	181390.	84.00	90.00	10.00	2.24	260.00	6.00
EXP68RC1	181396.	90.00	96.00	5.00	1.89	340.00	5.00
EXP68RC1	181402.	96.00	102.00	TR	2.09	160.00	4.00
EXP68RC1	181408.	102.00	108.00	5.00	2.10	310.00	6.00
EXP68RC1	181414.	108.00	114.00	5.00	1.48	260.00	4.00
EXP68RC1	181420.	114.00	120.00	10.00	1.47	360.00	TR
EXP68RC1	181426.	120.00	126.00	10.00	1.43	440.00	TR
EXP68RC1	181432.	126.00	132.00	5.00	1.49	440.00	4.00
EXP68RC1	181438.	132.00	138.00	5.00	2.34	360.00	10.00
EXP68RC1	181444.	138.00	144.00	5.00	2.53	650.00	9.00
EXP68RC1	181450.	144.00	150.00	15.00	3.52	1050.00	10.00
EXP68RC1	181456.	150.00	156.00	15.00	3.06	900.00	9.00
EXP68RC1	181462.	156.00	162.00	15.00	2.84	850.00	8.00
EXP68RC1	181468.	162.00	168.00	15.00	2.60	850.00	8.00
EXP68RC1	181474.	168.00	174.00	15.00	3.09	600.00	9.00
EXP68RC1	181480.	174.00	180.00	35.00	2.83	600.00	9.00
EXP68RC1	181486.	180.00	186.00	5.00	2.90	430.00	8.00
EXP68RC1	181492.	186.00	192.00	10.00	2.74	370.00	7.00
EXP68RC1	181498.	192.00	198.00	10.00	3.26	410.00	10.00
EXP68RC1	181504.	198.00	204.00	TR	2.60	340.00	9.00
EXP68RC1	181510.	204.00	210.00	10.00	2.73	310.00	7.00
EXP68RC1	181516.	210.00	216.00	10.00	2.89	360.00	9.00
EXP68RC2	181522.	120.00	126.00	10.00	2.50	1100.00	8.00
EXP68RC2	181528.	126.00	132.00	10.00	2.75	400.00	9.00
EXP68RC2	181534.	132.00	138.00	10.00	2.90	420.00	9.00
EXP68RC2	181540.	138.00	144.00	5.00	2.02	330.00	8.00
EXP68RC2	181546.	144.00	150.00	TR	1.94	350.00	9.00
EXP68RC2	181552.	150.00	156.00	TR	2.23	320.00	9.00
EXP68RC2	181558.	156.00	162.00	TR	2.76	320.00	9.00
EXP68RC2	181564.	162.00	168.00	TR	2.43	310.00	8.00
EXP68RC2	181570.	168.00	174.00	15.00	2.76	350.00	8.00
EXP68RC2	181576.	174.00	180.00	5.00	2.97	350.00	7.00
EXP68RC2	181582.	180.00	186.00	10.00	3.40	460.00	11.00
EXP68RC2	181588.	186.00	192.00	TR	2.75	370.00	9.00
EXP68RC2	181594.	192.00	198.00	5.00	2.70	290.00	6.00

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Geochemical Assay Results

BHID	Sample Number	FROM (m)	TO (m)	Pb ppm	Fe %	Mn ppm	Co ppm
		Detection Limit :		>4	>01	>4	>4
EXP68RC2	181600.	198.00	204.00	10.00	2.65	350.00	7.00

APPENDIX THREE

SEL 8814 – SHORT RANGE, DOWN HOLE LITHOLOGY

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Downhole Lithology

BHID	FROM (m)	TO (m)	LITHOLOGY CODE
EXP68RC1	0.00	12.00	GRqV
EXP68RC1	12.00	18.00	SL/Si
EXP68RC1	18.00	82.00	CLY
EXP68RC1	82.00	89.00	CLY/qV
EXP68RC1	89.00	111.00	SL/h
EXP68RC1	111.00	138.00	SL/si/h
EXP68RC1	138.00	216.00	SL/si/cm
EXP68RC2	120.00	132.00	SL/h
EXP68RC2	132.00	136.00	SL/h/qV
EXP68RC2	136.00	151.00	SL/h
EXP68RC2	151.00	184.00	SL/si
EXP68RC2	184.00	189.00	SL/si/qV
EXP68RC2	189.00	204.00	SL/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	- CALCRETE	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
EX	- EXCARBONATE	SIL	- SILCRETE
FER	- FERRICRETE	SL	- SILTSTONE
GR	- GRANITE	SS	- SANDSTONE
GW	- GREYWACKE	ST	- SCHIST
H	- HAEMATITE ROCK	TF	- TUFF
DAC	**-DACITE**	NOCORE	- NO CORE
		RS	**-RED SAND**

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	- speculante
d,dl	- dolomite	T,t	- talc
ep	- epidote	tm	- tourmaline
gn,gl	- galena	tr	- tremolite

STRUCTURE , ALTERATION AND TEXTURE

B,bl	- bleaching	Fz	- fracture zone
b	- blebs	Lm	- laminated
Bd	- bedding	Si	- 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)

APPENDIX FOUR

SEL 8814 – SHORT RANGE, DOWN HOLE SURVEYS

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Downhole Survey Information

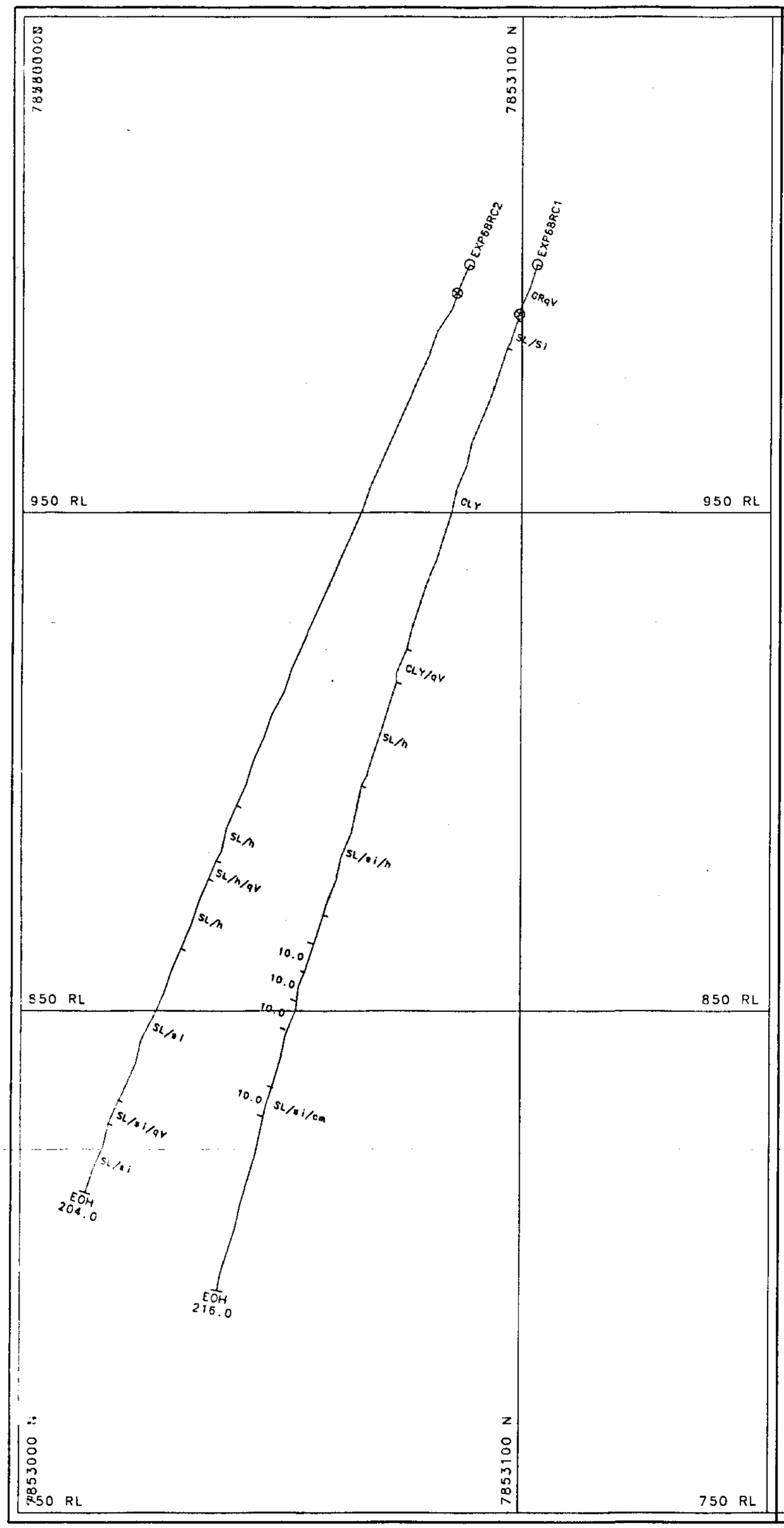
BHID	Survey Depth (m)	Bearing (Degrees)	Dip of Hole (Degrees)
EXP68RC1	0.00	164.00	70.0
EXP68RC1	100.00	164.00	72.0
EXP68RC1	150.00	164.00	73.0
EXP68RC1	175.00	164.00	74.0
EXP68RC1	198.00	164.00	75.0
EXP68RC2	0.00	158.00	64.0
EXP68RC2	39.00	158.00	65.0
EXP68RC2	81.00	158.00	65.0
EXP68RC2	120.00	158.00	67.0
EXP68RC2	162.00	158.00	67.0

APPENDIX FIVE

SEL 8814 – SHORT RANGE, COLLAR LOCATIONS

NORMANDY GOLD PTY LIMITED
Explorer 68 - SEL 8814 Short Range
Drill Hole Collar Information

BHID	Easting (AMG)	Northing (AMG)	RL (m)	Total Depth (m)
EXP68RC1	376560.0	7853103.0	1000.00	216.00
EXP68RC2	376560.0	7853090.0	1000.00	204.00



LEGEND

Plot file BE37657.P

LHS BI ppm.

RHS LITHO .

Colour by AU ranges

- 1

Figure No. 2

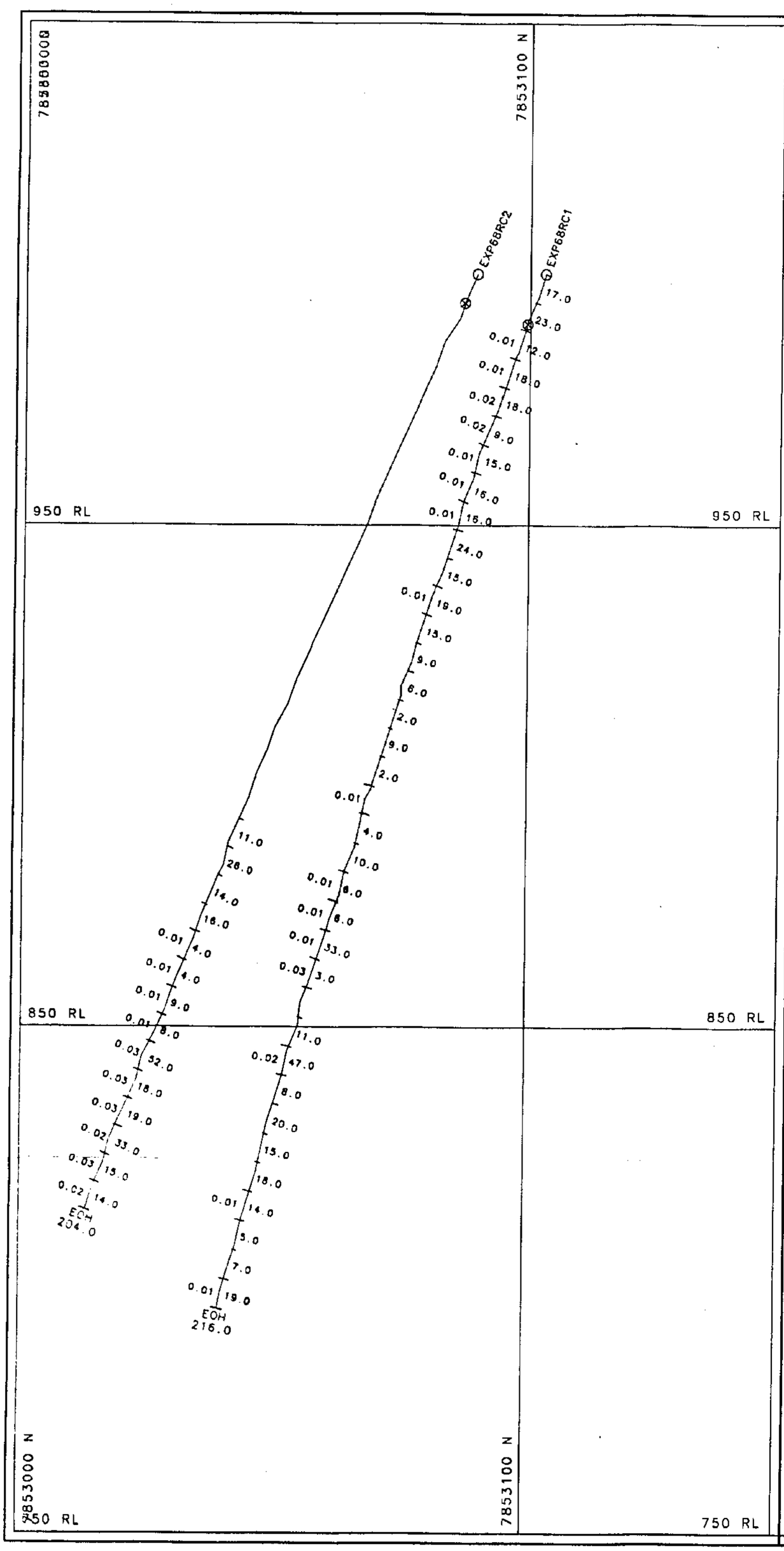
NORMANDY GOLD PTY LIMITED

Exp 68 – SEL 8814 Short Range

SECTION 37657 EAST

INFLUENCE 50 Metres.

SCALE	DRAWN	DATE	CHECKED
1:1000	DATAMINE	8 MAY 98	



LEGEND

Plot file AE37657.P

LHS AU ppm.

RHS CU ppm.

Colour by AU ronges

- 1

Figure No. 3

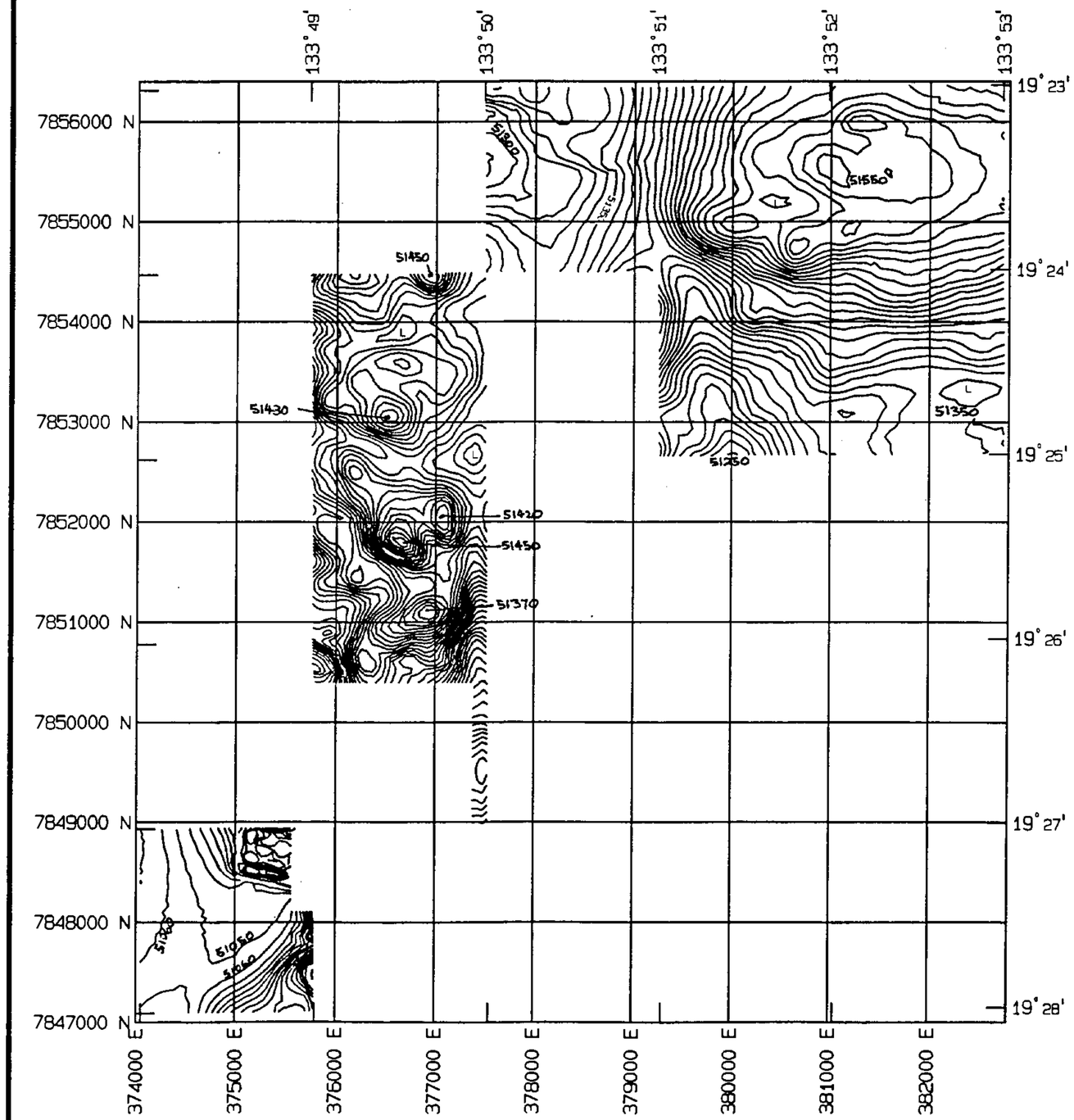
NORMANDY GOLD PTY LIMITED

Exp 68 – SEL 8814 Short Range

SECTION 37657 EAST

INFLUENCE 50 Metres.

SCALE	DRAWN	DATE	CHECKED
1:1000	DATAMINE	8 MAY 98	



N

0 1000 2000 3000 M

SCALE 1: 50000

Figure No. 4

NORMANDY GOLD PTY LIMITED

TENNANT CREEK OPERATIONS

SHORT RANGE: TOTAL MAGNETIC INTENSITY

HELIMAGNETICS SURVEY, DEC 1997 - JAN 1998
SENSOR HEIGHT 30m LINE SPACING 50m
IN-LINE SPACING 7m LINE DIRECTION N-S
CONTOUR INTERVAL 10nT; RANGE 50580 to 51560nT
DHI 1998 MAY 13

APPENDIX SIX

SEL 8814 – SHORT RANGE, EXTRA VACUUM DRILL HOLE ASSAYS

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Au ppb	Cu ppm	Bi ppm	As ppm	Pb ppm
Detection Limit :				>0.1	>1	>0.2	>0.2	1
HFV-337	222901.	3.80	8.00	0.30	12.47	0.49	2.93	9.95
HFV-338	222902.	4.00	6.00	0.10	9.67	0.50	4.46	8.69
HFV-339	222903.	4.00	6.00	TR	13.77	0.30	2.74	11.66
HFV-340	222904.	3.60	6.00	0.10	14.81	0.39	4.45	12.47
HFV-341	222905.	5.60	8.00	0.10	9.72	0.63	4.04	9.92
HFV-342	222906.	4.60	6.00	0.10	10.49	0.64	2.97	9.63
HFV-343	222907.	4.60	6.00	0.10	10.26	0.81	3.67	10.67
HFV-344	222908.	5.20	6.00	0.30	14.13	1.02	6.66	14.15
HFV-345	222909.	5.40	7.00	TR	9.57	0.80	6.13	9.43
HFV-346	222910.	5.20	7.00	0.10	15.66	0.54	3.49	8.36
HFV-347	222911.	5.00	7.00	0.20	11.08	0.67	2.33	8.41
HFV-348	222912.	4.60	6.00	0.10	12.04	0.50	3.68	8.98
HFV-349	222913.	4.20	6.00	TR	8.28	0.50	1.95	6.85
HFV-350	222914.	3.80	6.00	0.10	10.48	0.64	2.95	9.05
HFV-351	222915.	4.00	6.00	TR	10.43	0.60	5.34	9.48
HFV-352	222916.	4.60	8.00	0.10	11.06	0.85	11.54	14.86
HFV-353	222917.	3.50	5.00	0.10	11.91	0.51	6.54	8.65
HFV-354	222918.	3.80	6.00	0.10	10.76	0.39	2.67	8.64
HFV-355	222919.	3.80	6.00	0.20	8.20	0.40	4.61	6.71
HFV-356	222920.	3.80	7.00	0.20	9.95	0.39	1.39	8.61
HFV-391	222871.	2.60	5.00	0.10	5.99	0.26	1.49	4.75
HFV-392	222872.	2.70	5.00	0.10	9.84	0.34	3.72	10.15
HFV-393	222873.	2.80	5.00	0.20	6.63	0.24	2.30	4.45
HFV-394	222874.	2.70	5.00	0.20	5.75	0.29	1.30	3.58
HFV-395	222875.	3.00	5.00	0.10	7.05	0.98	1.30	4.79
HFV-396	222876.	2.60	6.00	0.10	5.71	0.25	1.07	2.47
HFV-397	222877.	2.00	4.00	0.20	8.88	0.58	2.57	8.38
HFV-398	222878.	2.20	5.00	TR	7.04	TR	1.26	5.30
HFV-399	222879.	2.50	5.00	0.10	3.83	TR	1.57	5.18
HFV-400	222880.	2.40	5.00	0.20	8.56	0.29	1.33	8.16
HFV-401	222881.	2.20	6.00	TR	34.81	0.24	1.21	3.16
HFV-402	222882.	2.00	3.00	0.10	10.45	0.41	2.02	7.16
HFV-403	222883.	3.90	5.00	0.10	7.46	0.89	3.21	22.31
HFV-404	222884.	2.40	4.00	TR	13.58	TR	2.34	6.86
HFV-405	222885.	2.60	5.00	0.10	7.99	0.47	0.69	4.86
HFV-406	222886.	2.80	4.00	TR	7.22	0.23	0.91	5.17
HFV-407	222887.	2.90	5.00	TR	3.68	0.77	0.76	4.00
HFV-408	222888.	2.80	5.00	TR	8.31	0.24	1.41	6.23
HFV-409	222889.	2.90	4.00	TR	6.83	0.82	1.02	5.17
HFV-410	222890.	3.90	5.00	0.10	9.26	0.33	0.82	5.51
HFV-411	222891.	3.90	5.00	TR	11.59	0.23	5.35	11.14
HFV-412	222892.	4.20	7.00	TR	9.57	0.38	3.52	9.11
HFV-413	222893.	4.80	6.00	TR	13.46	0.38	3.89	12.54
HFV-414	222894.	4.80	9.00	0.10	12.20	0.54	11.37	18.11
HFV-415	222895.	4.20	7.00	TR	10.99	0.38	6.65	10.31
HFV-416	222896.	4.20	7.00	0.30	7.11	TR	0.85	5.08
HFV-417	222897.	3.90	6.00	0.10	10.39	TR	1.66	5.64
HFV-418	222898.	3.90	6.00	0.10	18.63	0.26	3.57	7.30
HFV-419	222899.	5.20	7.00	TR	16.96	0.39	3.09	11.43

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Au ppb	Cu ppm	Bi ppm	As ppm	Pb ppm
Detection Limit :				>0.1	>1	>0.2	>0.2	1
HFV-420	222900.	3.90	5.00	0.10	8.18	0.23	1.57	6.52
HFV-421	222921.	4.90	6.00	0.80	5.58	TR	0.92	2.81
HFV-422	222922.	6.90	9.00	0.10	12.04	0.57	9.28	10.26
HFV-423	222923.	4.20	5.00	TR	12.06	0.56	10.37	15.81
HFV-424	222924.	6.80	9.00	TR	8.86	0.41	4.71	9.87
HFV-425	222925.	5.90	8.00	0.20	9.38	0.25	5.54	9.33
HFV-426	222926.	5.80	8.00	0.30	5.86	TR	0.56	4.46
HFV-427	222927.	4.20	7.00	TR	11.47	TR	0.35	8.04
HFV-428	222928.	5.80	8.00	0.30	16.51	0.26	1.31	9.95
HFV-429	222929.	5.80	8.00	1.10	14.78	0.26	TR	6.71
HFV-430	222930.	7.60	9.00	0.90	14.44	0.23	1.31	7.48
HFV-431	222931.	7.80	10.00	0.30	9.92	0.26	0.74	5.59
HFV-432	222932.	6.20	8.00	TR	8.87	0.50	7.14	11.06
HFV-433	222933.	6.60	10.00	0.10	12.93	0.87	8.09	13.49
HFV-434	222934.	4.80	6.00	TR	9.91	0.53	7.49	11.30
HFV-435	222935.	6.80	9.00	0.10	5.61	1.14	3.73	7.59
HFV-436	222936.	3.90	8.00	TR	1.49	0.25	0.45	3.01
HFV-437	222937.	4.90	7.00	0.10	5.59	0.31	1.60	5.47
HFV-438	222938.	4.90	7.00	0.50	6.92	0.42	0.68	6.72
HFV-439	222939.	3.90	5.00	1.10	5.36	0.42	0.74	3.82
HFV-440	222940.	3.90	5.00	0.20	3.67	TR	1.24	3.92
HFV-441	222941.	2.50	4.00	0.10	7.94	0.26	1.85	6.26
HFV-442	222942.	1.90	3.00	TR	6.02	0.23	1.13	4.98
HFV-443	222943.	2.80	4.00	TR	5.57	0.24	1.11	5.16
HFV-444	222944.	3.80	5.00	TR	25.49	3.11	2.06	17.50
HFV-445	222945.	2.80	5.00	TR	3.30	0.43	0.81	4.60
HFV-446	222946.	3.00	5.00	TR	6.28	0.36	1.58	5.75
HFV-447	222947.	3.90	5.00	TR	8.75	0.26	1.74	5.71
HFV-448	222948.	3.90	5.00	TR	6.80	0.27	1.59	5.20
HFV-449	222949.	3.90	5.00	TR	8.06	0.28	1.58	5.66
HFV-450	222950.	5.90	8.00	0.30	4.57	0.55	1.26	4.01
HFV-451	222951.	4.60	6.00	0.40	9.42	0.84	1.50	6.67
HFV-452	222952.	3.90	5.00	0.10	7.75	0.33	1.58	5.24
HFV-453	222953.	2.80	4.00	0.40	5.56	TR	2.02	12.94
HFV-454	222954.	2.80	4.00	0.30	8.51	0.32	1.31	5.19
HFV-455	222955.	2.80	4.00	0.10	6.50	TR	0.81	4.38
HFV-456	222956.	3.40	5.00	0.70	5.53	0.35	1.18	10.72
HFV-457	222957.	4.20	6.00	0.50	2.25	0.23	0.37	3.68
HFV-458	222958.	3.80	5.00	0.30	4.82	TR	0.59	3.61
HFV-459	222959.	3.80	5.00	TR	5.36	TR	1.17	3.73
HFV-460	222960.	5.60	7.00	0.20	13.57	0.42	0.67	4.43
HFV-461	222961.	5.80	7.00	3.10	24.10	3.79	3.49	8.19
HFV-463	222963.	3.80	5.00	4.00	11.58	0.94	9.31	12.09
HFV-464	222964.	5.90	7.00	2.10	13.77	0.83	2.34	4.04
HFV-465	222965.	6.40	8.00	4.80	9.02	0.53	1.57	3.99
HFV-466	222966.	4.20	6.00	0.20	5.61	0.39	0.50	3.68
HFV-467	222967.	3.80	5.00	TR	7.61	1.31	1.69	4.46
HFV-468	222968.	3.80	6.00	1.80	3.49	TR	0.72	10.72
HFV-469	222969.	4.80	6.00	2.50	10.38	1.16	3.85	8.01

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Au ppb	Cu ppm	Bi ppm	As ppm	Pb ppm
Detection Limit :				>0.1	>1	>0.2	>0.2	1
HFV-470	222970.	4.90	6.00	0.60	4.69	0.90	2.16	9.90
HFV-471	222971.	5.80	7.00	TR	4.94	0.53	1.00	8.60
HFV-472	222972.	6.40	8.00	TR	7.96	0.89	6.30	18.98
HFV-473	222973.	5.60	7.00	0.40	12.04	1.30	1.40	10.24
HFV-474	222974.	6.40	9.00	0.40	4.74	0.39	2.04	6.70
HFV-475	222975.	6.40	9.00	TR	13.86	2.02	6.45	11.47
HFV-476	222976.	3.80	7.00	TR	10.91	0.41	10.29	11.24
HFV-477	222977.	2.80	4.00	TR	6.26	TR	2.15	5.01
HFV-478	222978.	2.90	4.00	0.40	7.11	0.24	1.49	5.09
HFV-479	222979.	3.80	7.00	TR	10.48	0.20	0.55	3.86
HFV-480	222980.	5.00	7.00	TR	7.97	0.53	3.78	9.26
HFV-481	222981.	3.90	6.00	TR	9.40	0.24	7.05	7.61
HFV-482	222982.	4.80	6.00	TR	10.22	0.48	11.20	11.69
HFV-483	222983.	4.80	7.00	TR	10.29	0.31	4.66	7.36
HFV-484	222984.	4.80	6.00	TR	6.99	0.64	5.03	7.14
HFV-485	222985.	4.80	8.00	TR	10.78	0.39	5.24	9.16
HFV-486	222986.	5.20	7.00	TR	6.13	1.15	5.23	8.89
HFV-487	222987.	4.60	7.00	0.20	7.44	0.54	4.39	10.61
HFV-488	222988.	3.60	6.00	TR	6.83	0.34	2.72	6.54
HFV-489	222989.	4.80	7.00	0.80	8.79	0.74	7.81	7.98
HFV-490	222990.	4.60	7.00	TR	8.37	0.84	3.88	8.22
HFV-505	223165.	5.80	9.00	0.10	8.99	0.32	0.71	5.80
HFV-506	223166.	3.80	6.00	0.10	7.89	0.54	5.97	10.28
HFV-507	223167.	3.80	6.00	0.10	9.73	0.36	4.42	9.01
HFV-508	223168.	4.80	8.00	0.10	3.89	0.24	0.89	3.89
HFV-509	223169.	3.90	7.00	0.20	8.62	0.32	0.90	5.69
HFV-510	223170.	3.90	7.00	0.10	6.58	0.58	1.85	4.80
HFV-511	223171.	4.90	7.00	TR	4.09	0.51	1.32	3.91
HFV-512	223172.	4.20	6.00	0.10	4.74	0.28	0.56	5.31
HFV-513	223173.	3.90	5.00	0.30	5.62	0.90	2.27	4.84
HFV-514	223174.	4.40	6.00	0.10	9.29	1.31	8.72	14.96
HFV-515	223175.	4.80	7.00	TR	8.91	0.50	4.93	10.78
HFV-516	223176.	3.90	6.00	0.10	9.99	0.45	5.13	11.24
HFV-517	223177.	3.80	5.00	0.10	5.03	TR	1.12	7.22
HFV-518	223178.	3.60	5.00	0.50	8.42	0.56	2.41	6.97
HFV-519	373701.	4.80	9.00	0.10	18.17	1.21	3.39	2.66
HFV-520	373702.	4.40	6.00	0.10	30.12	4.43	5.55	4.90
HFV-521	373703.	4.50	7.00	0.20	16.61	3.80	9.41	4.98
HFV-522	373704.	4.20	6.00	TR	33.47	6.86	8.46	8.62
HFV-523	373705.	3.60	7.00	0.10	25.79	4.11	6.10	4.84
HFV-524	373706.	5.50	7.00	0.10	28.38	4.16	9.26	7.48
HFV-525	373707.	4.70	6.00	0.10	28.22	3.83	3.53	4.67
HFV-526	373708.	4.70	6.00	0.10	11.96	1.18	10.10	7.92
HFV-527	373709.	4.30	6.00	TR	14.00	0.96	6.37	10.29
HFV-528	373710.	3.70	5.00	0.10	25.47	1.24	13.56	7.16
HFV-529	373711.	4.10	6.00	TR	13.85	0.82	4.84	7.62
HFV-530	373712.	3.80	5.00	TR	9.31	1.02	1.55	4.98
HFV-531	373713.	3.80	5.00	TR	22.10	1.44	5.97	12.08
HFV-532	373714.	4.10	5.00	TR	14.75	0.95	3.87	10.74

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Au ppb	Cu ppm	Bi ppm	As ppm	Pb ppm
Detection Limit :				>0.1	>1	>0.2	>0.2	1
HFV-533	373715.	4.30	5.00	TR	18.03	8.07	14.83	6.56
HFV-534	373716.	4.80	6.00	TR	17.37	3.94	4.17	4.92
HFV-535	373717.	4.10	6.00	TR	13.79	0.80	2.65	5.18
HFV-536	373718.	3.80	5.00	TR	16.77	1.07	4.85	5.23
HFV-537	373719.	4.00	6.00	0.20	11.15	0.45	3.28	4.86
HFV-538	373720.	3.90	6.00	TR	11.26	1.08	3.66	4.91
HFV-539	373721.	4.70	6.00	0.10	8.23	0.45	0.77	1.86
HFV-540	373722.	4.60	6.00	TR	32.33	0.94	3.03	6.92
HFV-541	373723.	4.10	7.00	0.50	28.31	1.21	1.41	6.95
HFV-542	373724.	4.60	7.00	0.10	57.33	3.42	7.06	14.71
HFV-543	373725.	3.90	6.00	0.10	12.75	1.21	4.82	6.96
HFV-544	373726.	2.90	6.00	0.20	9.31	0.33	1.77	6.22
HFV-545	373727.	3.00	6.00	0.20	12.50	0.59	1.23	4.77
HFV-546	373728.	3.14	8.00	TR	35.65	0.42	0.58	3.46
HFV-547	373729.	3.60	5.00	TR	41.61	0.60	1.77	10.84
HFV-548	373730.	3.00	5.00	0.30	222.47	1203.90	2.96	7.66
HFV-568	373751.	1.80	4.00	TR	7.40	0.47	1.62	4.36
HFV-569	373752.	1.80	4.00	TR	19.23	3.14	1.95	14.41
HFV-570	373753.	2.20	5.00	TR	66.91	0.95	0.80	6.09
HFV-571	373754.	2.60	5.00	TR	122.42	1.06	1.21	5.18
HFV-572	373755.	2.40	5.00	TR	58.46	1.36	0.64	3.32
HFV-573	373756.	2.00	4.00	TR	23.98	2.74	4.21	7.11
HFV-574	373757.	2.20	5.00	TR	3.22	0.42	0.88	3.19
HFV-575	373758.	2.10	6.00	TR	4.71	0.52	0.30	2.51
HFV-576	373759.	2.10	6.00	TR	7.60	0.95	0.74	3.38
HFV-577	373760.	2.60	8.00	TR	47.75	3.70	1.12	13.45

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Zn ppm	Ag ppm	Cd ppm	Fe %	Mn ppm
Detection Limit :				1	>0.1	>0.1	>001	5
HFV-337	222901.	3.80	8.00	15.19	0.76	TR	4.04	321.63
HFV-338	222902.	4.00	6.00	13.08	0.48	TR	5.02	129.36
HFV-339	222903.	4.00	6.00	18.64	0.23	TR	3.15	741.66
HFV-340	222904.	3.60	6.00	16.53	0.29	TR	5.42	987.29
HFV-341	222905.	5.60	8.00	13.48	0.41	TR	5.61	1035.55
HFV-342	222906.	4.60	6.00	14.26	TR	TR	3.60	121.72
HFV-343	222907.	4.60	6.00	11.25	0.17	TR	4.34	138.07
HFV-344	222908.	5.20	6.00	14.59	0.29	TR	6.19	387.53
HFV-345	222909.	5.40	7.00	14.75	0.28	TR	5.74	159.51
HFV-346	222910.	5.20	7.00	19.06	0.20	TR	4.31	644.04
HFV-347	222911.	5.00	7.00	15.95	0.21	TR	4.23	250.23
HFV-348	222912.	4.60	6.00	15.95	TR	TR	4.07	149.07
HFV-349	222913.	4.20	6.00	13.69	0.17	TR	2.98	180.40
HFV-350	222914.	3.80	6.00	18.58	0.11	TR	4.56	261.43
HFV-351	222915.	4.00	6.00	16.05	TR	TR	6.16	330.57
HFV-352	222916.	4.60	8.00	16.90	0.20	TR	9.90	476.26
HFV-353	222917.	3.50	5.00	16.16	0.18	TR	7.06	107.25
HFV-354	222918.	3.80	6.00	15.48	TR	TR	3.75	265.71
HFV-355	222919.	3.80	6.00	14.54	0.13	TR	5.28	50.82
HFV-356	222920.	3.80	7.00	15.37	0.12	TR	3.53	273.03
HFV-391	222871.	2.60	5.00	13.20	0.55	0.11	5.62	76.65
HFV-392	222872.	2.70	5.00	8.64	TR	TR	7.20	40.67
HFV-393	222873.	2.80	5.00	9.87	TR	TR	3.12	88.40
HFV-394	222874.	2.70	5.00	7.07	0.21	TR	3.23	65.40
HFV-395	222875.	3.00	5.00	9.52	0.16	TR	3.90	489.71
HFV-396	222876.	2.60	6.00	4.83	0.10	TR	3.71	146.37
HFV-397	222877.	2.00	4.00	12.15	TR	TR	3.86	179.77
HFV-398	222878.	2.20	5.00	6.31	0.15	TR	2.71	64.28
HFV-399	222879.	2.50	5.00	18.37	0.27	TR	1.79	155.43
HFV-400	222880.	2.40	5.00	8.09	0.14	TR	1.88	161.20
HFV-401	222881.	2.20	6.00	24.85	TR	TR	3.32	76.16
HFV-402	222882.	2.00	3.00	21.73	TR	TR	3.15	132.42
HFV-403	222883.	3.90	5.00	4.89	TR	TR	13.55	57.83
HFV-404	222884.	2.40	4.00	23.64	TR	TR	3.54	133.94
HFV-405	222885.	2.60	5.00	9.95	0.10	TR	2.70	130.86
HFV-406	222886.	2.80	4.00	7.46	TR	TR	1.61	121.61
HFV-407	222887.	2.90	5.00	4.79	TR	TR	1.62	72.76
HFV-408	222888.	2.80	5.00	9.09	TR	TR	2.38	181.11
HFV-409	222889.	2.90	4.00	9.76	TR	TR	2.22	112.06
HFV-410	222890.	3.90	5.00	25.00	0.19	TR	2.71	269.77
HFV-411	222891.	3.90	5.00	27.93	0.42	0.11	4.51	379.12
HFV-412	222892.	4.20	7.00	17.79	TR	TR	4.28	620.58
HFV-413	222893.	4.80	6.00	18.55	TR	TR	5.01	407.29
HFV-414	222894.	4.80	9.00	15.49	TR	TR	8.36	1117.97
HFV-415	222895.	4.20	7.00	17.52	TR	TR	7.62	948.37
HFV-416	222896.	4.20	7.00	10.20	TR	TR	1.41	198.72
HFV-417	222897.	3.90	6.00	12.85	0.48	TR	2.02	129.46
HFV-418	222898.	3.90	6.00	19.24	3.95	0.61	2.65	215.23
HFV-419	222899.	5.20	7.00	19.92	0.17	TR	4.15	194.95

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Zn ppm	Ag ppm	Cd ppm	Fe %	Mn ppm
Detection Limit :				1	>0.1	>0.1	>001	5
HFV-420	222900.	3.90	5.00	8.55	TR	TR	1.94	92.49
HFV-421	222921.	4.90	6.00	6.86	0.13	TR	0.94	47.01
HFV-422	222922.	6.90	9.00	22.67	0.16	TR	9.43	314.78
HFV-423	222923.	4.20	5.00	21.71	TR	TR	9.72	232.86
HFV-424	222924.	6.80	9.00	14.46	0.11	TR	5.04	389.30
HFV-425	222925.	5.90	8.00	17.05	TR	TR	4.92	894.87
HFV-426	222926.	5.80	8.00	10.51	TR	TR	1.22	119.32
HFV-427	222927.	4.20	7.00	21.38	TR	TR	3.00	240.81
HFV-428	222928.	5.80	8.00	25.86	TR	TR	3.97	1577.93
HFV-429	222929.	5.80	8.00	20.22	TR	TR	3.64	265.80
HFV-430	222930.	7.60	9.00	25.02	TR	TR	4.26	178.22
HFV-431	222931.	7.80	10.00	17.41	0.15	TR	3.23	461.28
HFV-432	222932.	6.20	8.00	15.74	TR	TR	7.07	771.22
HFV-433	222933.	6.60	10.00	16.47	TR	TR	8.46	167.27
HFV-434	222934.	4.80	6.00	12.57	TR	TR	7.78	285.01
HFV-435	222935.	6.80	9.00	11.90	TR	TR	5.50	225.35
HFV-436	222936.	3.90	8.00	3.16	TR	TR	1.71	108.63
HFV-437	222937.	4.90	7.00	5.55	0.17	TR	3.91	77.60
HFV-438	222938.	4.90	7.00	4.28	0.33	TR	1.58	135.14
HFV-439	222939.	3.90	5.00	9.90	TR	TR	5.53	230.71
HFV-440	222940.	3.90	5.00	2.40	TR	TR	3.38	16.05
HFV-441	222941.	2.50	4.00	9.55	0.22	TR	3.63	145.11
HFV-442	222942.	1.90	3.00	10.05	TR	TR	3.21	108.27
HFV-443	222943.	2.80	4.00	8.38	TR	TR	1.61	267.75
HFV-444	222944.	3.80	5.00	12.09	TR	TR	10.55	113.58
HFV-445	222945.	2.80	5.00	5.66	TR	TR	1.84	151.48
HFV-446	222946.	3.00	5.00	8.79	TR	TR	5.61	289.72
HFV-447	222947.	3.90	5.00	13.61	TR	TR	3.42	278.30
HFV-448	222948.	3.90	5.00	12.66	TR	TR	3.14	179.12
HFV-449	222949.	3.90	5.00	13.54	0.12	TR	2.16	219.29
HFV-450	222950.	5.90	8.00	9.05	TR	TR	2.62	58.85
HFV-451	222951.	4.60	6.00	9.38	TR	TR	4.08	86.13
HFV-452	222952.	3.90	5.00	12.81	TR	TR	2.37	324.43
HFV-453	222953.	2.80	4.00	3.89	TR	TR	1.43	117.04
HFV-454	222954.	2.80	4.00	10.05	TR	TR	4.09	112.47
HFV-455	222955.	2.80	4.00	5.77	TR	TR	1.38	56.19
HFV-456	222956.	3.40	5.00	5.26	0.10	TR	3.18	81.35
HFV-457	222957.	4.20	6.00	1.51	TR	TR	1.03	42.57
HFV-458	222958.	3.80	5.00	5.34	TR	TR	1.35	58.73
HFV-459	222959.	3.80	5.00	8.43	TR	TR	5.33	118.17
HFV-460	222960.	5.60	7.00	2.45	TR	TR	1.30	33.00
HFV-461	222961.	5.80	7.00	3.13	1.01	0.23	11.33	6.70
HFV-463	222963.	3.80	5.00	14.63	TR	TR	9.28	456.00
HFV-464	222964.	5.90	7.00	3.20	0.24	TR	3.70	42.00
HFV-465	222965.	6.40	8.00	1.85	TR	TR	3.60	36.00
HFV-466	222966.	4.20	6.00	4.02	2.51	0.35	0.63	38.00
HFV-467	222967.	3.80	5.00	5.08	0.12	TR	4.20	137.00
HFV-468	222968.	3.80	6.00	3.50	TR	TR	0.78	95.00
HFV-469	222969.	4.80	6.00	13.36	TR	TR	6.48	97.00

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Zn ppm	Ag ppm	Cd ppm	Fe %	Mn ppm
Detection Limit :				1	>0.1	>0.1	>001	5
HFV-470	222970.	4.90	6.00	6.71	TR	TR	3.36	86.00
HFV-471	222971.	5.80	7.00	4.01	TR	TR	1.46	56.00
HFV-472	222972.	6.40	8.00	6.27	TR	TR	14.86	66.00
HFV-473	222973.	5.60	7.00	7.26	TR	TR	7.04	146.00
HFV-474	222974.	6.40	9.00	2.01	TR	TR	7.84	35.00
HFV-475	222975.	6.40	9.00	9.01	TR	TR	10.99	369.00
HFV-476	222976.	3.80	7.00	19.98	TR	TR	10.42	313.00
HFV-477	222977.	2.80	4.00	7.39	TR	TR	1.25	94.00
HFV-478	222978.	2.90	4.00	10.93	TR	TR	1.47	97.00
HFV-479	222979.	3.80	7.00	13.74	0.14	TR	1.20	97.00
HFV-480	222980.	5.00	7.00	12.86	TR	TR	5.09	618.00
HFV-481	222981.	3.90	6.00	15.18	TR	TR	7.05	434.00
HFV-482	222982.	4.80	6.00	14.44	TR	TR	12.04	805.00
HFV-483	222983.	4.80	7.00	9.31	0.12	TR	4.73	204.00
HFV-484	222984.	4.80	6.00	10.22	TR	TR	5.18	837.00
HFV-485	222985.	4.80	8.00	15.07	TR	TR	5.02	676.00
HFV-486	222986.	5.20	7.00	7.57	TR	TR	5.21	159.00
HFV-487	222987.	4.60	7.00	8.60	TR	TR	4.15	721.00
HFV-488	222988.	3.60	6.00	10.32	TR	TR	3.85	269.00
HFV-489	222989.	4.80	7.00	13.02	TR	TR	5.69	199.00
HFV-490	222990.	4.60	7.00	10.03	TR	TR	4.03	480.00
HFV-505	223165.	5.80	9.00	6.60	TR	TR	3.09	26.99
HFV-506	223166.	3.80	6.00	12.37	TR	TR	7.60	147.45
HFV-507	223167.	3.80	6.00	13.70	TR	TR	4.89	235.14
HFV-508	223168.	4.80	8.00	1.78	TR	TR	1.45	10.84
HFV-509	223169.	3.90	7.00	5.29	TR	TR	1.75	7.92
HFV-510	223170.	3.90	7.00	2.24	TR	TR	4.46	11.35
HFV-511	223171.	4.90	7.00	4.79	TR	TR	4.56	54.80
HFV-512	223172.	4.20	6.00	1.78	0.10	TR	0.88	22.21
HFV-513	223173.	3.90	5.00	3.27	TR	TR	7.30	39.00
HFV-514	223174.	4.40	6.00	10.41	TR	TR	10.97	387.07
HFV-515	223175.	4.80	7.00	11.67	TR	TR	5.31	176.99
HFV-516	223176.	3.90	6.00	17.14	TR	TR	5.28	415.67
HFV-517	223177.	3.80	5.00	4.46	TR	TR	2.41	105.30
HFV-518	223178.	3.60	5.00	3.17	TR	TR	6.47	57.89
HFV-519	373701.	4.80	9.00	3.00	TR	TR	6.86	16.28
HFV-520	373702.	4.40	6.00	5.61	TR	TR	5.02	168.22
HFV-521	373703.	4.50	7.00	5.36	TR	TR	3.84	58.64
HFV-522	373704.	4.20	6.00	5.58	TR	TR	10.34	114.84
HFV-523	373705.	3.60	7.00	6.12	TR	TR	6.77	38.16
HFV-524	373706.	5.50	7.00	10.64	TR	TR	10.54	49.67
HFV-525	373707.	4.70	6.00	3.90	TR	TR	4.44	30.35
HFV-526	373708.	4.70	6.00	6.41	TR	TR	5.21	74.57
HFV-527	373709.	4.30	6.00	8.92	TR	TR	6.42	231.50
HFV-528	373710.	3.70	5.00	3.06	TR	TR	6.35	16.72
HFV-529	373711.	4.10	6.00	4.17	TR	TR	4.43	37.07
HFV-530	373712.	3.80	5.00	3.60	TR	TR	2.37	63.62
HFV-531	373713.	3.80	5.00	14.80	TR	TR	6.60	196.18
HFV-532	373714.	4.10	5.00	8.64	TR	TR	4.68	237.74

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Zn ppm	Ag ppm	Cd ppm	Fe %	Mn ppm
Detection Limit :				1	>0.1	>0.1	>001	5
HFV-533	373715.	4.30	5.00	4.67	TR	TR	6.62	23.80
HFV-534	373716.	4.80	6.00	4.82	TR	TR	5.74	47.48
HFV-535	373717.	4.10	6.00	5.60	TR	TR	3.98	51.22
HFV-536	373718.	3.80	5.00	4.57	TR	TR	7.32	29.39
HFV-537	373719.	4.00	6.00	3.10	TR	TR	7.68	34.80
HFV-538	373720.	3.90	6.00	2.71	TR	TR	9.12	20.70
HFV-539	373721.	4.70	6.00	1.12	TR	TR	1.86	10.41
HFV-540	373722.	4.60	6.00	6.05	TR	TR	8.31	23.71
HFV-541	373723.	4.10	7.00	3.90	TR	TR	4.22	11.90
HFV-542	373724.	4.60	7.00	2.21	TR	TR	3.13	12.75
HFV-543	373725.	3.90	6.00	2.50	TR	TR	5.54	15.01
HFV-544	373726.	2.90	6.00	6.14	TR	TR	2.93	23.12
HFV-545	373727.	3.00	6.00	6.58	TR	TR	2.20	12.00
HFV-546	373728.	3.14	8.00	2.70	TR	TR	1.83	TR
HFV-547	373729.	3.60	5.00	3.89	TR	TR	2.56	37.00
HFV-548	373730.	3.00	5.00	4.69	TR	TR	7.54	31.00
HFV-568	373751.	1.80	4.00	9.14	0.28	TR	3.27	23.85
HFV-569	373752.	1.80	4.00	5.06	0.12	TR	2.99	22.60
HFV-570	373753.	2.20	5.00	14.63	2.29	0.21	2.54	24.44
HFV-571	373754.	2.60	5.00	80.83	10.54	0.82	3.73	54.16
HFV-572	373755.	2.40	5.00	2.03	TR	TR	3.19	39.79
HFV-573	373756.	2.00	4.00	5.17	TR	TR	5.65	218.58
HFV-574	373757.	2.20	5.00	5.19	TR	TR	2.86	14.77
HFV-575	373758.	2.10	6.00	6.72	TR	TR	2.23	10.59
HFV-576	373759.	2.10	6.00	12.77	0.14	TR	2.85	35.64
HFV-577	373760.	2.60	8.00	14.25	TR	TR	11.25	264.55

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Co ppm	Ni ppm	Mo ppm
Detection Limit :				>1	>1	>0.2
HFV-337	222901.	3.80	8.00	5.64	6.86	1.40
HFV-338	222902.	4.00	6.00	6.17	7.12	0.85
HFV-339	222903.	4.00	6.00	11.36	9.86	0.85
HFV-340	222904.	3.60	6.00	13.90	11.98	1.00
HFV-341	222905.	5.60	8.00	11.26	10.00	1.13
HFV-342	222906.	4.60	6.00	7.21	12.60	1.29
HFV-343	222907.	4.60	6.00	5.80	5.84	1.12
HFV-344	222908.	5.20	6.00	11.16	9.34	1.21
HFV-345	222909.	5.40	7.00	5.86	7.51	1.34
HFV-346	222910.	5.20	7.00	13.60	14.26	1.02
HFV-347	222911.	5.00	7.00	5.35	8.33	0.84
HFV-348	222912.	4.60	6.00	6.57	8.22	0.53
HFV-349	222913.	4.20	6.00	5.33	9.41	1.02
HFV-350	222914.	3.80	6.00	7.38	11.91	0.87
HFV-351	222915.	4.00	6.00	7.01	10.08	1.32
HFV-352	222916.	4.60	8.00	8.17	6.86	1.76
HFV-353	222917.	3.50	5.00	5.68	7.58	0.89
HFV-354	222918.	3.80	6.00	7.58	10.42	0.59
HFV-355	222919.	3.80	6.00	4.69	6.91	1.08
HFV-356	222920.	3.80	7.00	7.53	8.81	0.44
HFV-391	222871.	2.60	5.00	4.79	6.68	0.68
HFV-392	222872.	2.70	5.00	4.54	4.64	0.20
HFV-393	222873.	2.80	5.00	3.24	4.14	0.27
HFV-394	222874.	2.70	5.00	3.37	3.58	0.21
HFV-395	222875.	3.00	5.00	6.35	5.68	0.28
HFV-396	222876.	2.60	6.00	5.77	3.49	0.24
HFV-397	222877.	2.00	4.00	8.84	7.46	1.01
HFV-398	222878.	2.20	5.00	3.22	3.81	0.21
HFV-399	222879.	2.50	5.00	4.35	9.67	0.25
HFV-400	222880.	2.40	5.00	3.52	5.47	1.26
HFV-401	222881.	2.20	6.00	4.99	10.62	TR
HFV-402	222882.	2.00	3.00	6.21	10.02	0.21
HFV-403	222883.	3.90	5.00	5.11	2.75	TR
HFV-404	222884.	2.40	4.00	6.41	10.32	TR
HFV-405	222885.	2.60	5.00	4.17	6.50	TR
HFV-406	222886.	2.80	4.00	5.51	5.87	0.28
HFV-407	222887.	2.90	5.00	3.64	3.05	TR
HFV-408	222888.	2.80	5.00	6.23	6.01	0.23
HFV-409	222889.	2.90	4.00	4.18	5.93	0.31
HFV-410	222890.	3.90	5.00	5.05	8.86	0.22
HFV-411	222891.	3.90	5.00	9.09	9.27	0.42
HFV-412	222892.	4.20	7.00	8.96	7.68	0.70
HFV-413	222893.	4.80	6.00	9.83	10.29	0.54
HFV-414	222894.	4.80	9.00	11.02	6.47	1.07
HFV-415	222895.	4.20	7.00	9.70	9.74	0.61
HFV-416	222896.	4.20	7.00	3.64	4.22	3.21
HFV-417	222897.	3.90	6.00	6.05	8.33	2.27
HFV-418	222898.	3.90	6.00	14.84	10.31	2.13
HFV-419	222899.	5.20	7.00	9.66	13.66	1.52

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Co ppm	Ni ppm	Mo ppm
Detection Limit :				>1	>1	>0.2
HFV-420	222900.	3.90	5.00	4.07	5.36	0.20
HFV-421	222921.	4.90	6.00	1.97	3.59	1.76
HFV-422	222922.	6.90	9.00	8.40	8.61	1.36
HFV-423	222923.	4.20	5.00	10.95	11.30	1.10
HFV-424	222924.	6.80	9.00	6.78	6.76	1.63
HFV-425	222925.	5.90	8.00	14.03	8.45	1.07
HFV-426	222926.	5.80	8.00	2.13	4.16	1.68
HFV-427	222927.	4.20	7.00	10.40	9.84	0.44
HFV-428	222928.	5.80	8.00	18.77	14.15	0.55
HFV-429	222929.	5.80	8.00	8.24	13.27	0.57
HFV-430	222930.	7.60	9.00	6.19	11.53	0.52
HFV-431	222931.	7.80	10.00	6.74	7.80	0.94
HFV-432	222932.	6.20	8.00	10.58	10.39	0.66
HFV-433	222933.	6.60	10.00	6.31	6.53	0.92
HFV-434	222934.	4.80	6.00	7.74	7.27	0.72
HFV-435	222935.	6.80	9.00	5.12	7.36	TR
HFV-436	222936.	3.90	8.00	5.06	2.79	0.43
HFV-437	222937.	4.90	7.00	5.98	4.52	0.93
HFV-438	222938.	4.90	7.00	3.88	3.33	0.82
HFV-439	222939.	3.90	5.00	7.50	5.24	0.27
HFV-440	222940.	3.90	5.00	2.45	1.99	0.27
HFV-441	222941.	2.50	4.00	6.58	8.08	1.02
HFV-442	222942.	1.90	3.00	4.35	5.05	0.28
HFV-443	222943.	2.80	4.00	5.63	5.21	TR
HFV-444	222944.	3.80	5.00	6.62	7.24	0.39
HFV-445	222945.	2.80	5.00	2.70	3.17	0.36
HFV-446	222946.	3.00	5.00	6.98	5.36	0.55
HFV-447	222947.	3.90	5.00	6.12	7.57	0.48
HFV-448	222948.	3.90	5.00	5.33	7.46	0.96
HFV-449	222949.	3.90	5.00	5.24	7.81	0.34
HFV-450	222950.	5.90	8.00	3.17	4.11	0.46
HFV-451	222951.	4.60	6.00	3.03	4.36	0.22
HFV-452	222952.	3.90	5.00	5.92	7.41	0.44
HFV-453	222953.	2.80	4.00	4.26	3.31	0.25
HFV-454	222954.	2.80	4.00	4.78	6.57	0.37
HFV-455	222955.	2.80	4.00	2.60	4.53	0.25
HFV-456	222956.	3.40	5.00	3.91	3.64	0.34
HFV-457	222957.	4.20	6.00	1.31	1.63	0.20
HFV-458	222958.	3.80	5.00	2.47	4.46	0.23
HFV-459	222959.	3.80	5.00	5.03	6.52	TR
HFV-460	222960.	5.60	7.00	2.00	2.00	0.61
HFV-461	222961.	5.80	7.00	2.00	6.00	0.87
HFV-463	222963.	3.80	5.00	8.00	20.00	1.07
HFV-464	222964.	5.90	7.00	6.00	6.00	1.27
HFV-465	222965.	6.40	8.00	TR	4.00	0.70
HFV-466	222966.	4.20	6.00	3.00	4.00	0.35
HFV-467	222967.	3.80	5.00	3.00	8.00	0.45
HFV-468	222968.	3.80	6.00	2.00	5.00	0.25
HFV-469	222969.	4.80	6.00	3.00	13.00	0.99

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Co ppm	Ni ppm	Mo ppm
Detection Limit :				>1	>1	>0.2
HFV-470	222970.	4.90	6.00	2.00	6.00	0.86
HFV-471	222971.	5.80	7.00	2.00	5.00	0.76
HFV-472	222972.	6.40	8.00	1.00	7.00	0.83
HFV-473	222973.	5.60	7.00	4.00	12.00	TR
HFV-474	222974.	6.40	9.00	TR	4.00	0.35
HFV-475	222975.	6.40	9.00	5.00	13.00	0.59
HFV-476	222976.	3.80	7.00	6.00	13.00	0.84
HFV-477	222977.	2.80	4.00	4.00	9.00	TR
HFV-478	222978.	2.90	4.00	4.00	9.00	0.97
HFV-479	222979.	3.80	7.00	3.00	8.00	0.78
HFV-480	222980.	5.00	7.00	6.00	12.00	0.80
HFV-481	222981.	3.90	6.00	7.00	14.00	0.82
HFV-482	222982.	4.80	6.00	9.00	15.00	0.73
HFV-483	222983.	4.80	7.00	3.00	11.00	1.10
HFV-484	222984.	4.80	6.00	9.00	13.00	0.98
HFV-485	222985.	4.80	8.00	11.00	15.00	0.88
HFV-486	222986.	5.20	7.00	3.00	8.00	0.99
HFV-487	222987.	4.60	7.00	13.00	11.00	1.19
HFV-488	222988.	3.60	6.00	8.00	15.00	0.73
HFV-489	222989.	4.80	7.00	4.00	11.00	1.30
HFV-490	222990.	4.60	7.00	5.00	17.00	1.19
HFV-505	223165.	5.80	9.00	4.17	8.11	0.31
HFV-506	223166.	3.80	6.00	7.24	7.59	0.76
HFV-507	223167.	3.80	6.00	5.65	7.63	0.65
HFV-508	223168.	4.80	8.00	1.20	1.18	0.25
HFV-509	223169.	3.90	7.00	3.14	4.09	TR
HFV-510	223170.	3.90	7.00	2.46	1.69	0.64
HFV-511	223171.	4.90	7.00	2.72	2.67	0.68
HFV-512	223172.	4.20	6.00	1.49	2.04	0.37
HFV-513	223173.	3.90	5.00	4.32	1.78	0.26
HFV-514	223174.	4.40	6.00	9.39	8.54	0.44
HFV-515	223175.	4.80	7.00	6.24	6.45	0.60
HFV-516	223176.	3.90	6.00	9.30	10.48	0.69
HFV-517	223177.	3.80	5.00	3.38	4.00	TR
HFV-518	223178.	3.60	5.00	5.57	3.67	TR
HFV-519	373701.	4.80	9.00	4.12	4.68	2.75
HFV-520	373702.	4.40	6.00	9.50	11.35	2.77
HFV-521	373703.	4.50	7.00	4.37	5.97	1.22
HFV-522	373704.	4.20	6.00	7.13	6.31	1.05
HFV-523	373705.	3.60	7.00	6.15	7.63	1.09
HFV-524	373706.	5.50	7.00	7.18	11.39	1.74
HFV-525	373707.	4.70	6.00	6.93	5.25	2.00
HFV-526	373708.	4.70	6.00	6.69	6.91	1.17
HFV-527	373709.	4.30	6.00	10.71	12.66	0.57
HFV-528	373710.	3.70	5.00	4.97	4.57	0.98
HFV-529	373711.	4.10	6.00	17.65	7.70	0.93
HFV-530	373712.	3.80	5.00	4.95	3.92	2.19
HFV-531	373713.	3.80	5.00	8.61	9.19	0.77
HFV-532	373714.	4.10	5.00	10.53	9.72	0.74

Headframe - reassays
Bedrock results
Vacuum Assay Bedrock Data

BHID	Sample Number	From (m)	To (m)	Co ppm	Ni ppm	Mo ppm
Detection Limit :				>1	>1	>0.2
HFV-533	373715.	4.30	5.00	5.43	5.72	1.81
HFV-534	373716.	4.80	6.00	5.57	4.79	0.90
HFV-535	373717.	4.10	6.00	19.92	11.33	1.06
HFV-536	373718.	3.80	5.00	7.46	5.71	0.95
HFV-537	373719.	4.00	6.00	6.05	2.59	1.36
HFV-538	373720.	3.90	6.00	5.31	2.84	2.72
HFV-539	373721.	4.70	6.00	1.73	2.19	1.36
HFV-540	373722.	4.60	6.00	8.30	6.92	0.96
HFV-541	373723.	4.10	7.00	2.78	4.41	0.81
HFV-542	373724.	4.60	7.00	5.33	2.69	1.96
HFV-543	373725.	3.90	6.00	3.78	2.54	0.50
HFV-544	373726.	2.90	6.00	4.68	3.74	0.73
HFV-545	373727.	3.00	6.00	3.00	3.00	0.53
HFV-546	373728.	3.14	8.00	2.00	3.00	1.13
HFV-547	373729.	3.60	5.00	26.00	7.00	0.52
HFV-548	373730.	3.00	5.00	6.00	3.00	0.91
HFV-568	373751.	1.80	4.00	5.25	4.14	0.97
HFV-569	373752.	1.80	4.00	3.25	3.89	0.63
HFV-570	373753.	2.20	5.00	5.61	3.42	1.01
HFV-571	373754.	2.60	5.00	5.27	4.46	0.54
HFV-572	373755.	2.40	5.00	2.42	1.68	0.54
HFV-573	373756.	2.00	4.00	8.67	5.16	0.40
HFV-574	373757.	2.20	5.00	2.15	2.96	TR
HFV-575	373758.	2.10	6.00	1.40	4.86	0.66
HFV-576	373759.	2.10	6.00	3.76	8.96	0.49
HFV-577	373760.	2.60	8.00	13.67	9.48	0.55

APPENDIX SEVEN

SEL 8814 – SHORT RANGE, EXTRA VACUUM DRILL HOLE COLLAR LOCATIONS AND LITHOLOGY

Headframe - reassays
Bedrock results
Vacuum Downhole Lithology

BHID	Easting (m)	Northing (m)	Sample Number	From (m)	To (m)	Lithology Code
HFV-337	375800.	7851300.	222901.	3.80	8.00	GR
HFV-338	375800.	7851400.	222902.	4.00	6.00	GR
HFV-339	375800.	7851500.	222903.	4.00	6.00	GR
HFV-340	375800.	7851600.	222904.	3.60	6.00	GR
HFV-341	375800.	7851700.	222905.	5.60	8.00	GR
HFV-342	375800.	7851800.	222906.	4.60	6.00	GR
HFV-343	375800.	7851900.	222907.	4.60	6.00	GR
HFV-344	375800.	7852000.	222908.	5.20	6.00	GR
HFV-345	376000.	7852000.	222909.	5.40	7.00	GR
HFV-346	376000.	7851900.	222910.	5.20	7.00	GR
HFV-347	376000.	7851800.	222911.	5.00	7.00	GR
HFV-348	376000.	7851700.	222912.	4.60	6.00	GR
HFV-349	376000.	7851600.	222913.	4.20	6.00	GR
HFV-350	376000.	7851500.	222914.	3.80	6.00	SL/Si
HFV-351	376000.	7851400.	222915.	4.00	6.00	SL/Si
HFV-352	376000.	7851300.	222916.	4.60	8.00	SL
HFV-353	376000.	7851200.	222917.	3.50	5.00	SL
HFV-354	376000.	7851100.	222918.	3.80	6.00	SL
HFV-355	376000.	7851000.	222919.	3.80	6.00	SL
HFV-356	376000.	7850900.	222920.	3.80	7.00	SL/Si
HFV-391	377000.	7851200.	222871.	2.60	5.00	GWSL/h
HFV-392	377000.	7851100.	222872.	2.70	5.00	SL/h
HFV-393	377000.	7851000.	222873.	2.80	5.00	SL
HFV-394	377000.	7850900.	222874.	2.70	5.00	SL
HFV-395	377000.	7850800.	222875.	3.00	5.00	SL/h
HFV-396	377000.	7850700.	222876.	2.60	6.00	SL
HFV-397	377000.	7850600.	222877.	2.00	4.00	SL/h
HFV-398	377000.	7850500.	222878.	2.20	5.00	SL
HFV-399	377250.	7850500.	222879.	2.50	5.00	SL/bl
HFV-400	377250.	7850600.	222880.	2.40	5.00	SL/bl
HFV-401	377250.	7850700.	222881.	2.20	6.00	SL/clay
HFV-402	377250.	7850800.	222882.	2.00	3.00	SL
HFV-403	377250.	7850900.	222883.	3.90	5.00	SLGW/Si
HFV-404	377250.	7851000.	222884.	2.40	4.00	SL/h
HFV-405	377250.	7851100.	222885.	2.60	5.00	SL
HFV-406	377250.	7851200.	222886.	2.80	4.00	SL/bl
HFV-407	377250.	7851300.	222887.	2.90	5.00	SL/h
HFV-408	377250.	7851400.	222888.	2.80	5.00	SL/trh
HFV-409	377250.	7851500.	222889.	2.90	4.00	SL/bl/fe
HFV-410	377250.	7851600.	222890.	3.90	5.00	SL
HFV-411	377250.	7851700.	222891.	3.90	5.00	SLGW/bl
HFV-412	377250.	7851800.	222892.	4.20	7.00	SLGW/Si
HFV-413	377250.	7851900.	222893.	4.80	6.00	SL
HFV-414	377250.	7852000.	222894.	4.80	9.00	SL/Si/bl
HFV-415	377250.	7852100.	222895.	4.20	7.00	SL
HFV-416	377250.	7852200.	222896.	4.20	7.00	SL/bl
HFV-417	377250.	7852300.	222897.	3.90	6.00	SL/bl
HFV-418	377250.	7852400.	222898.	3.90	6.00	SL/clay
HFV-419	377250.	7852500.	222899.	5.20	7.00	SL/qvn
HFV-420	377250.	7852600.	222900.	3.90	5.00	SL/fe/cc

Headframe - reassays
Bedrock results
Vacuum Downhole Lithology

BHID	Easting (m)	Northing (m)	Sample Number	From (m)	To (m)	Lithology Code
HFV-421	377250.	7852700.	222921.	4.90	6.00	CC
HFV-422	377250.	7852800.	222922.	6.90	9.00	SL/Si
HFV-423	377250.	7852900.	222923.	4.20	5.00	SL/Si
HFV-424	377500.	7852900.	222924.	6.80	9.00	SL/fe
HFV-425	377500.	7852800.	222925.	5.90	8.00	GW
HFV-426	377500.	7852715.	222926.	5.80	8.00	SLGW/bl
HFV-427	377500.	7852600.	222927.	4.20	7.00	SL
HFV-428	377500.	7852500.	222928.	5.80	8.00	SL/fe
HFV-429	377500.	7852400.	222929.	5.80	8.00	SL
HFV-430	377500.	7852300.	222930.	7.60	9.00	SL
HFV-431	377500.	7852200.	222931.	7.80	10.00	SL
HFV-432	377500.	7852100.	222932.	6.20	8.00	SLGW
HFV-433	377500.	7852000.	222933.	6.60	10.00	SLGW
HFV-434	377500.	7851900.	222934.	4.80	6.00	GW/fe
HFV-435	377500.	7851800.	222935.	6.80	9.00	SL/h
HFV-436	377500.	7851700.	222936.	3.90	8.00	SL/h
HFV-437	377500.	7851600.	222937.	4.90	7.00	SL/h
HFV-438	377500.	7851500.	222938.	4.90	7.00	SL/bl
HFV-439	377500.	7851300.	222939.	3.90	5.00	SL/trh
HFV-440	377500.	7851200.	222940.	3.90	5.00	SL
HFV-441	377500.	7851100.	222941.	2.50	4.00	GW/Si
HFV-442	377500.	7851000.	222942.	1.90	3.00	SL/h
HFV-443	377500.	7850900.	222943.	2.80	4.00	SL/bl
HFV-444	377500.	7850800.	222944.	3.80	5.00	SLH
HFV-445	377500.	7850700.	222945.	2.80	5.00	SL/h
HFV-446	377500.	7850600.	222946.	3.00	5.00	SL
HFV-447	377500.	7850500.	222947.	3.90	5.00	SL/bl
HFV-448	377500.	7850400.	222948.	3.90	5.00	SL/bl/Si
HFV-449	377500.	7850300.	222949.	3.90	5.00	SL/bl
HFV-450	377250.	7850400.	222950.	5.90	8.00	SL/h
HFV-451	377250.	7850300.	222951.	4.60	6.00	SL/h
HFV-452	377000.	7850300.	222952.	3.90	5.00	SL/h
HFV-453	377000.	7850400.	222953.	2.80	4.00	SL/bl
HFV-454	376750.	7850400.	222954.	2.80	4.00	SL/h
HFV-455	376750.	7850300.	222955.	2.80	4.00	SL/bl
HFV-456	376500.	7850300.	222956.	3.40	5.00	SL/bl
HFV-457	376500.	7850400.	222957.	4.20	6.00	SL/bl
HFV-458	376500.	7850450.	222958.	3.80	5.00	SL/h
HFV-459	376500.	7850500.	222959.	3.80	5.00	SLH
HFV-460	376000.	7850500.	222960.	5.60	7.00	SL/bl
HFV-461	376000.	7850400.	222961.	5.80	7.00	SL/bl
HFV-463	375800.	7850300.	222963.	3.80	5.00	SL/GW
HFV-464	375800.	7850400.	222964.	5.90	7.00	SL
HFV-465	375800.	7850500.	222965.	6.40	8.00	SL/h
HFV-466	376250.	7850300.	222966.	4.20	6.00	SL
HFV-467	376250.	7850400.	222967.	3.80	5.00	SLH
HFV-468	376500.	7850700.	222968.	3.80	6.00	SL
HFV-469	376500.	7850800.	222969.	4.80	6.00	SL
HFV-470	376500.	7850900.	222970.	4.90	6.00	SL/h
HFV-471	376500.	7851000.	222971.	5.80	7.00	SL/Si

Headframe - reassays
Bedrock results
Vacuum Downhole Lithology

BHID	Easting (m)	Northing (m)	Sample Number	From (m)	To (m)	Lithology Code
HFV-472	376500.	7851100.	222972.	6.40	8.00	SL/h
HFV-473	376500.	7851300.	222973.	5.60	7.00	SL
HFV-474	376500.	7851400.	222974.	6.40	9.00	SL
HFV-475	376500.	7851500.	222975.	6.40	9.00	SL
HFV-476	376500.	7851600.	222976.	3.80	7.00	SLCC
HFV-477	376500.	7851700.	222977.	2.80	4.00	CC
HFV-478	376500.	7851800.	222978.	2.90	4.00	CC
HFV-479	376500.	7852100.	222979.	3.80	7.00	CC
HFV-480	376500.	7852200.	222980.	5.00	7.00	SLSi
HFV-481	376500.	7852300.	222981.	3.90	6.00	SL
HFV-482	376500.	7852400.	222982.	4.80	6.00	SL
HFV-483	376500.	7852500.	222983.	4.80	7.00	SL
HFV-484	376500.	7852600.	222984.	4.80	6.00	GR
HFV-485	376500.	7852700.	222985.	4.80	8.00	GR
HFV-486	376500.	7852800.	222986.	5.20	7.00	GR
HFV-487	376500.	7852900.	222987.	4.60	7.00	GR
HFV-488	376250.	7853000.	222988.	3.60	6.00	GR
HFV-489	376250.	7852900.	222989.	4.80	7.00	GR
HFV-490	376250.	7852800.	222990.	4.60	7.00	GRCLAY
HFV-505	376250.	7851300.	223165.	5.80	9.00	SL/bl
HFV-506	376250.	7851200.	223166.	3.80	6.00	SL
HFV-507	376250.	7851100.	223167.	3.80	6.00	SL
HFV-508	376250.	7851000.	223168.	4.80	8.00	SL/trh
HFV-509	376250.	7850900.	223169.	3.90	7.00	SL/h
HFV-510	376250.	7850800.	223170.	3.90	7.00	SL/h
HFV-511	376250.	7850700.	223171.	4.90	7.00	SL/h
HFV-512	376250.	7850600.	223172.	4.20	6.00	SL/trh
HFV-513	376250.	7850500.	223173.	3.90	5.00	SL/h
HFV-514	376000.	7850600.	223174.	4.40	6.00	SL
HFV-515	376000.	7850700.	223175.	4.80	7.00	SL
HFV-516	376000.	7850800.	223176.	3.90	6.00	SL/h
HFV-517	376500.	7850600.	223177.	3.80	5.00	SL/h
HFV-518	377500.	7851400.	223178.	3.60	5.00	SL/h
HFV-519	376125.	7855900.	373701.	4.80	9.00	GR
HFV-520	376125.	7855850.	373702.	4.40	6.00	GR
HFV-521	376125.	7855800.	373703.	4.50	7.00	GR
HFV-522	376125.	7855750.	373704.	4.20	6.00	GR
HFV-523	376125.	7855700.	373705.	3.60	7.00	GR
HFV-524	376250.	7855850.	373706.	5.50	7.00	GR
HFV-525	376250.	7855750.	373707.	4.70	6.00	GR
HFV-526	376250.	7855650.	373708.	4.70	6.00	GR
HFV-527	376250.	7855550.	373709.	4.30	6.00	GR
HFV-528	376375.	7855550.	373710.	3.70	5.00	GR
HFV-529	376375.	7855600.	373711.	4.10	6.00	GR
HFV-530	376375.	7855650.	373712.	3.80	5.00	GR
HFV-531	376375.	7855700.	373713.	3.80	5.00	GR
HFV-532	376375.	7855750.	373714.	4.10	5.00	GR
HFV-533	376375.	7855800.	373715.	4.30	5.00	GR
HFV-534	376375.	7855850.	373716.	4.80	6.00	GR
HFV-535	376375.	7855900.	373717.	4.10	6.00	GR

Headframe - reassays
Bedrock results
Vacuum Downhole Lithology

BHID	Easting (m)	Northing (m)	Sample Number	From (m)	To (m)	Lithology Code
HFV-536	376375.	7855950.	373718.	3.80	5.00	GR
HFV-537	376375.	7856000.	373719.	4.00	6.00	GR
HFV-538	376500.	7855950.	373720.	3.90	6.00	GR
HFV-539	376500.	7855850.	373721.	4.70	6.00	GR
HFV-540	376500.	7855750.	373722.	4.60	6.00	GR
HFV-541	376500.	7855650.	373723.	4.10	7.00	GR
HFV-542	376500.	7855550.	373724.	4.60	7.00	GR
HFV-543	376625.	7855500.	373725.	3.90	6.00	SLGR
HFV-544	376625.	7855550.	373726.	2.90	6.00	SLGR
HFV-545	376625.	7855600.	373727.	3.00	6.00	SLGR
HFV-546	376625.	7855650.	373728.	3.14	8.00	SLGR
HFV-547	376625.	7855700.	373729.	3.60	5.00	SLGR
HFV-548	376625.	7855750.	373730.	3.00	5.00	GR
HFV-568	376875.	7855650.	373751.	1.80	4.00	SLGR
HFV-569	376875.	7855700.	373752.	1.80	4.00	SLGR
HFV-570	376875.	7855750.	373753.	2.20	5.00	SLGR
HFV-571	376875.	7855800.	373754.	2.60	5.00	SLGR
HFV-572	376875.	7855850.	373755.	2.40	5.00	SLGR
HFV-573	376875.	7855900.	373756.	2.00	4.00	SL
HFV-574	376875.	7855950.	373757.	2.20	5.00	SL
HFV-575	376875.	7856000.	373758.	2.10	6.00	SL
HFV-576	376875.	7856050.	373759.	2.10	6.00	SL
HFV-577	376875.	7856100.	373760.	2.60	8.00	SL

LITHOLOGICAL LEGEND FOR TENNANT CREEK

ROCK TYPE / MINERALOGY / STRUCTURE , ALTERATION AND TEXTURE

ROCK TYPE

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

MINERALOGY

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

STRUCTURE , ALTERATION AND TEXTURE

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

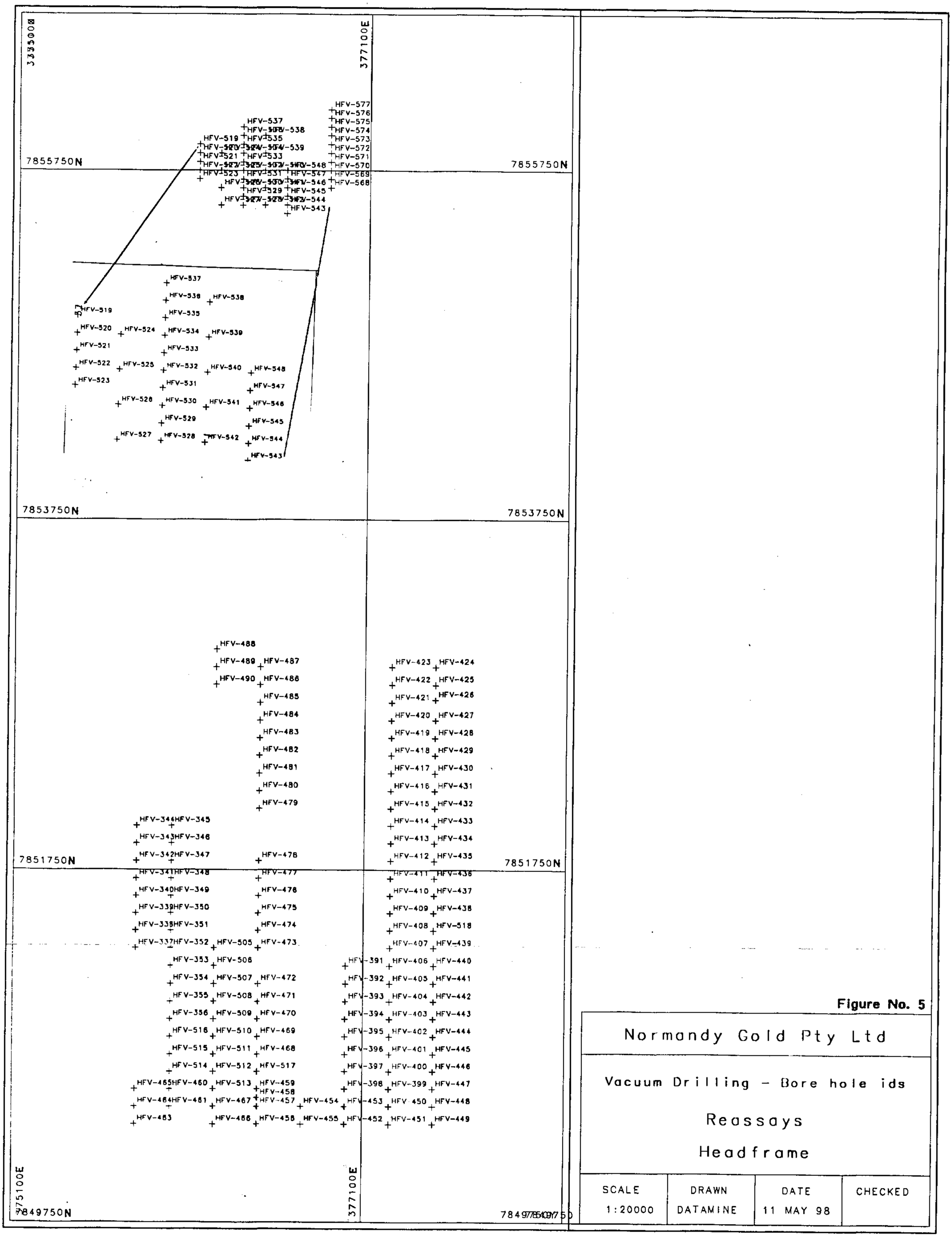


Figure No. 5

Normandy Gold Pty Ltd			
Vacuum Drilling – Bore hole ids Reassays Headframe			
SCALE 1:20000	DRAWN DATAMINE	DATE 11 MAY 98	CHECKED

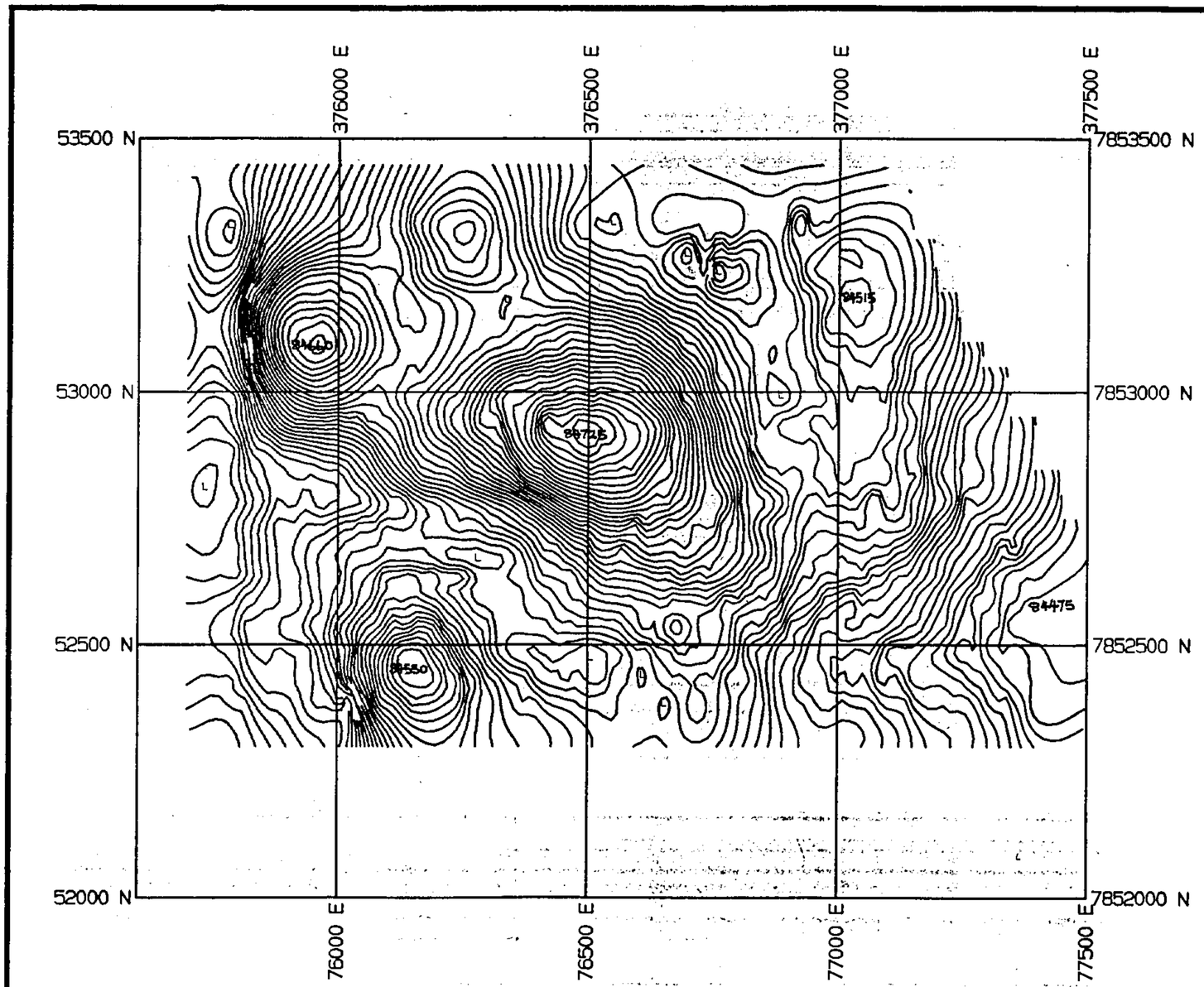
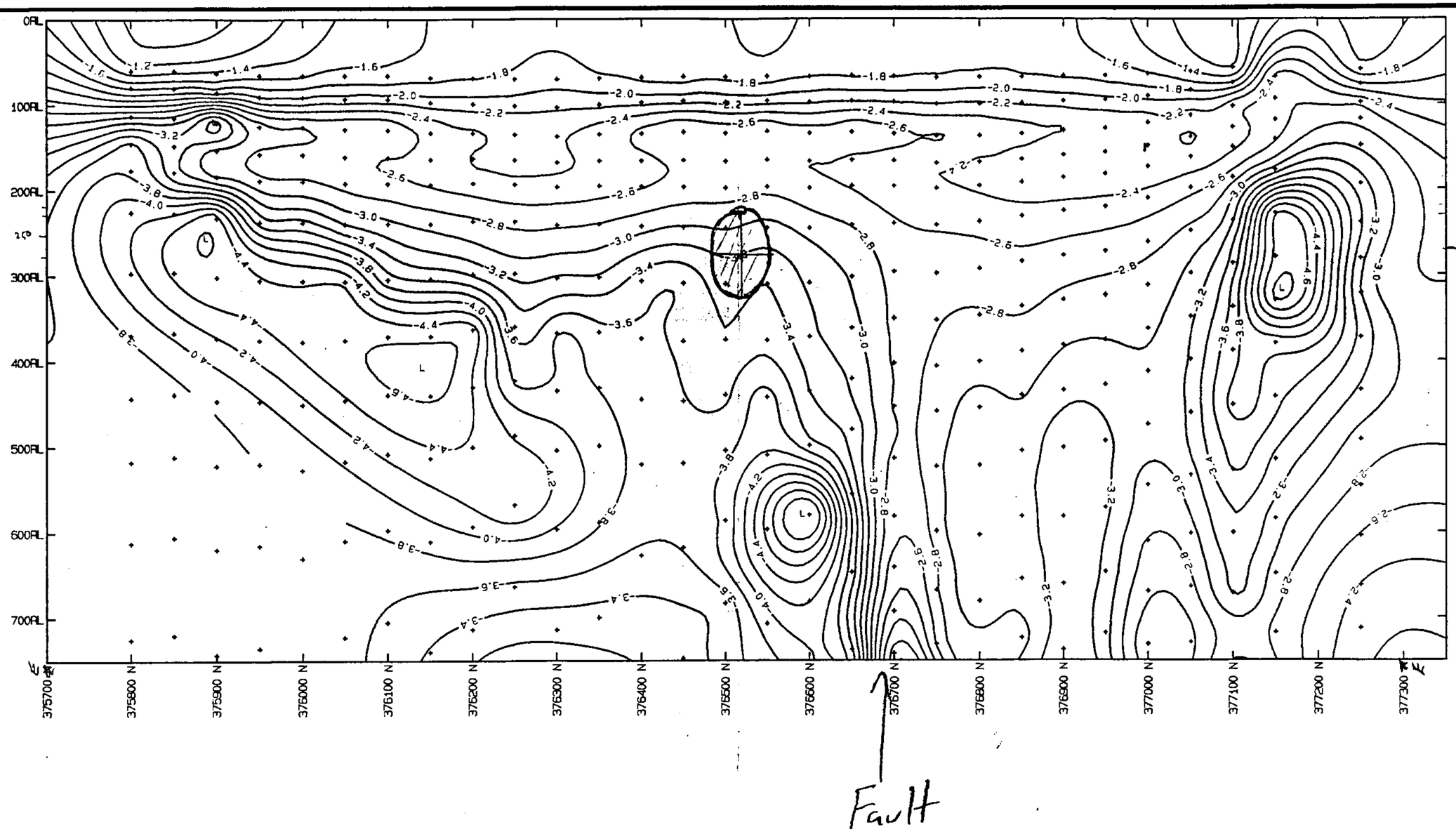


Figure No. 6

NORMANDY GOLD PTY LIMITED
TENNANT CREEK OPERATIONS
EXPLORER 68 MAGNETIC CONTOURS
GROUND MAGNETIC SURVEY, OCT 1997 LINE SPACING 50m IN-LINE READINGS 1m LINE DIRECTION E-W DATA REDUCED TO POLE; CONTOUR INTERVAL 5nT RANGE 84475 to 84725nT DHI 1998 MAY 13



0 100 200 300 M

SCALE 1: 5000

Figure No. 7

NORMANDY GOLD PTY LTD
TENNANT CREEK OPERATIONS
EXPLORER 68 LINE 7852850N
POS-EM LOG CONDUCTIVITY/DEPTH SECTION CONTOUR INTERVAL 0.2, UNITS LOG10 (COND, MHOS) Eqiv. ohm-m: red .1 - 63; green 100 - 631; blue 1000 - 6310; black 10000+ + : posted calc. point DHI 1997 OCT 25