Normandy NFM Limited

NORTH FLINDERS EXPLORATION

report

CR98/529

ANNUAL REPORT FOR MLS8 (THE GRANITES) COVERING WORK UNDERTAKEN FROM 15 MAY 1997 TO 14 MAY 1998

1:250,000 SHEET REFERENCE:	THE GRANITES	SF52-3
1:100,000 SHEET REFERENCE:	GRANITES	4956

BGS, RAL & SMA

JULY 1998

RAL9808

SUMMARY

In the year to May 1998 exploration activity within MLS8 was restricted to diamond drilling at Moongarrie. This drilling was designed to target the Main Host Unit beyond the limits of previous drilling where geophysical interpretations indicated the potential for economic mineralisation associated with structural thickening. The drilling failed to identify significant mineralisation.

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1. INTRODUCTION

Gold mineralisation was discovered at The Granites by A.A. Davidson in 1900 (Davidson, 1905) and intermittently worked along 9km of strike until the 1950's, yielding a recorded production of 470kg of gold. The geological environment, pre-existing exploration drilling results and an optimistic view on gold prompted acquisition of the property by Normandy NFM in 1975 (then North Flinders Mines Limited). An agreement was signed with the Central Land Council in August 1983 and drilling commenced in the same month. Production commenced on 1st July 1986.

Development and production priorities at the Callie deposit (MLS154) have resulted in the suspension of mining activities and a significant reduction of the exploration program at The Granites.

All economically significant mineralisation at The Granites occurs within or immediately adjacent to The Granites Host Unit, which extends over a strike length of 9km. Sub economic mineralisation continues at depth below each of the four ore-bearing structures. Potential exists for the re-emergence of mineable orebodies.

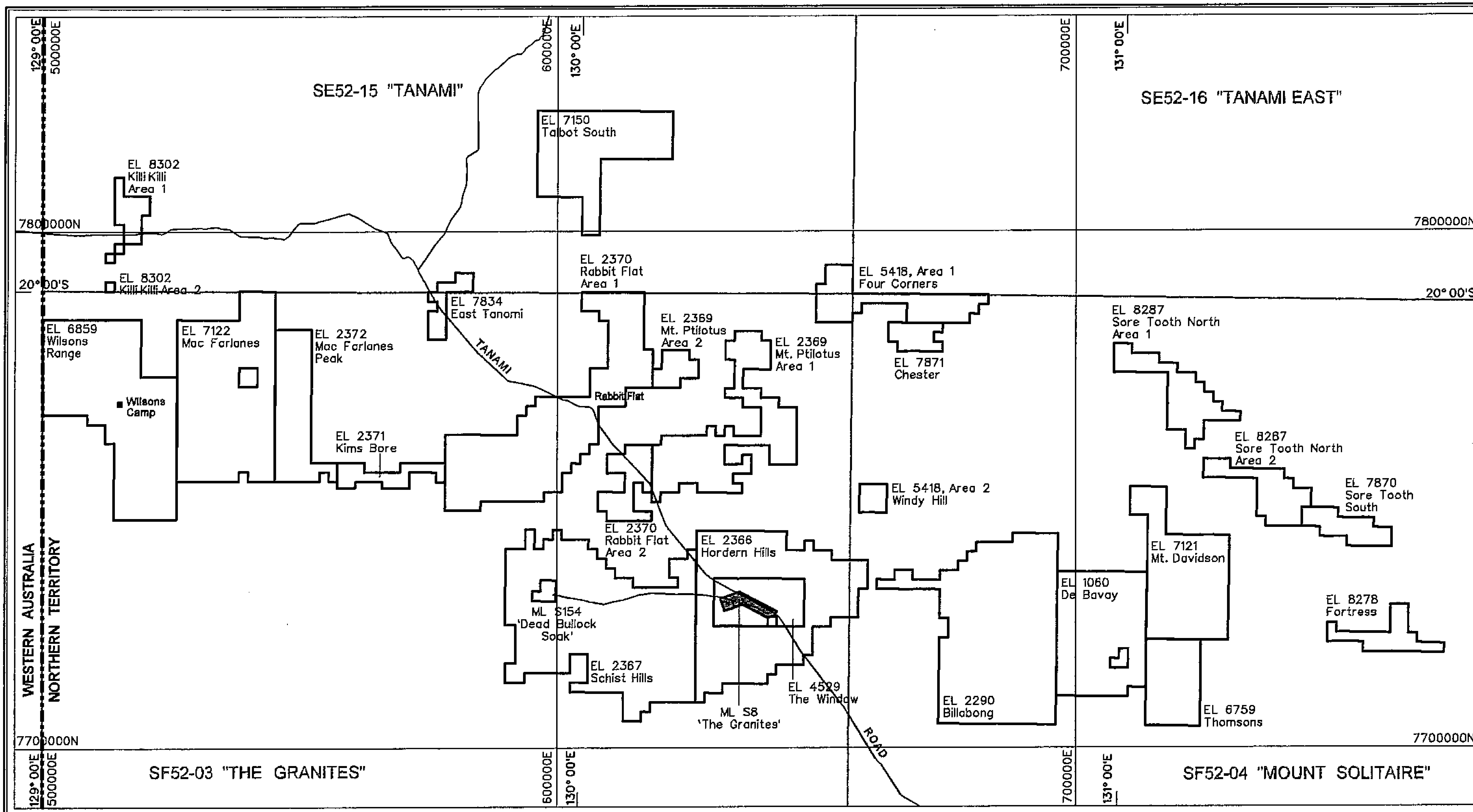
2. TENEMENT DETAILS

MLS8 is a single mining tenement comprising an area of 2186 hectares. It is completely surrounded by EL4529, also held by Normandy NFM (refer to Figures 1 and 2). Within MLS8 are the eleven gold mining leases (GML) listed in Table 1. These leases, which are also shown on Figure 2, were allocated a MLS number for ease of reference. Exemption from work in the GMLs was granted by the Department in accordance with Section 71 of the Mining Ordinance 1939-1979.

MLS8 was granted to Normandy NFM in May 1984, and gold production commenced on 1st July 1986. Tenure is held until the year 2009.

TABLE 1: Tenement Summary

Title	Name	Hectares	Grant Date	Expiry Date
MLS8	The Granites	2186	15/05/84	14/05/09
MLS134 (GML60)	Shaman Hills	8	29/11/83	31/12/03
MLS135 (GML61)	Bunkers Hill	8	29/11/83	31/12/03
MLS136 (GML62)	Twin Hills 1	8	29/11/83	31/12/03
MLS137 (GML63)	Twin Hills 2	8	29/11/83	31/12/03
MLS138 (GML64)	Bullakitchie 1	8	29/11/83	31/12/03
MLS139 (GML65)	Bullakitchie 2	8	29/11/83	31/12/03
MLS140 (GML66)	Long Bottoms	8	29/11/83	31/12/03
MLS141 (GML67)	Golden Shoe 1	8	29/11/83	31/12/03
MLS142 (GML68)	Golden Shoe 2	8	29/11/83	31/12/03
MLS143 (GML69)	Quorn 1	8	29/11/83	31/12/03
MLS144 (GML70)	Quorn 2	8	29/11/83	31/12/03



N
W E
S

0 50km

SCALE 1:1,000,000

UTM Zone 52 (AGD66)

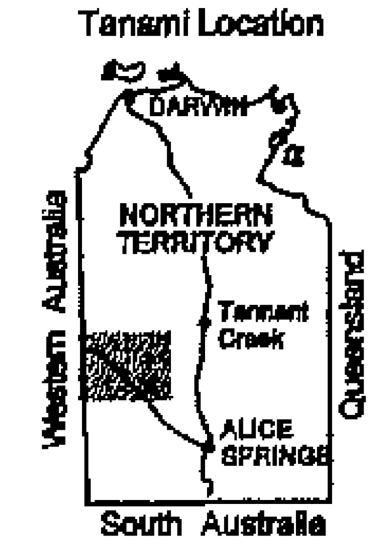
Normandy NFM Limited

NORTH FLINDERS EXPLORATION

MLS8 'THE GRANITES'
TENEMENT LOCATION MAP

FIGURE 1
13 JUN 98

Tanami Location



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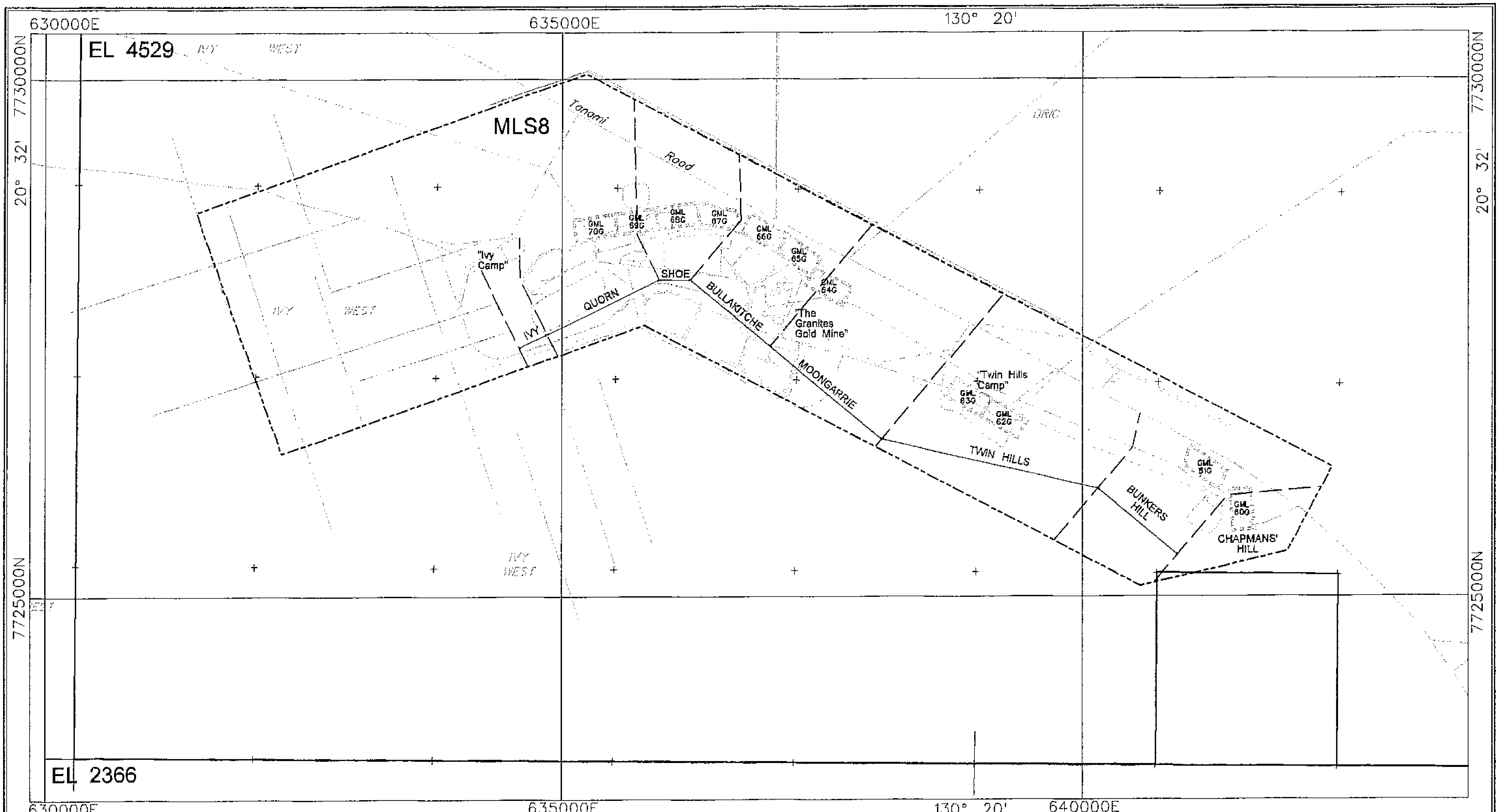

N
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0 1Km
SCALE 1:50,000

UTM Zone 52 (AGD66)

Normandy NFM Limited

NORTH FLINDERS EXPLORATION

MLS8 'THE GRANITES' LOCATION & ACCESS MAP

23 JUL 98

FIGURE 2

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3. LOCATION, ACCESS AND PHYSIOGRAPHY

MLS8 is situated on the Granites (4956) 1:100,000 map sheet. It is located 550km northwest of Alice Springs and 50km southeast of Rabbit Flat, accessed by the Tanami Road which bisects the lease (refer to Figure 1).

The field camps are located within MLS8 (Figure 2), one to service mining personnel (Twin Hills) and the other to support exploration staff (Ivy).

The Tanami region is an arid zone and is largely covered by a veneer of windblown sand creating a gently undulating land surface. Cherty BIF horizons (Mt Charles Beds) form prominent crests.

4. EXPLORATION MINING HISTORY

Gold was discovered at the Granites by Allan Davidson in 1900 (Davidson, 1905). Prospecting between 1910 and 1932 led to minor production from narrow quartz veins and from limited alluvial and eluvial zones at Bunkers Hill (Ellis, 1927). The discovery of further rich but narrow quartz veins at the Burdekin Duck Deposit on Chapmans Hill, and the occurrence of a small patch of rich alluvial ground nearby produced a brief gold rush in 1932 (Baume, 1933, Madigan, 1944). Charles Chapman took up leases at The Granites in 1932 and for the next twenty years, Chapmans Gold Mines NL (CGM) continued small scale mining at several locations (Bullakitchie, Shoe and near Chapmans Hill). A total of 420kg of gold was produced from the area prior to 1961. Chapmans leases were explored by Anglo Queensland Mining Pty Ltd between 1938 and 1948 outlining a possible resource at Bullakitchie and Shoe of 250 000t at 11.5g/t gold (Hall, 1953). Exploration was also undertaken by Northern Mines Development NL between 1954 and 1955 and later by Geopeko Ltd (between 1965 and 1970) who tested prominent magnetic anomalies at Twin Hills and Ivy.

Normandy NFM acquired the property in 1975 but did not commence exploration until August 1983 due to political and legal constraints (den Dryver, 1984; Ireland and Mayer, 1984). By June 1985 reserves at Bullakitchie and Shoe totalling 1.9m at 8.0g/t had been calculated after the drilling of 57 diamond drillholes and 75 reverse circulation drillholes (Mayer, 1990).

Production commenced on 1st July 1986.

5. REGIONAL GEOLOGY

The Granites Goldfield lies in the eastern part of the Early Proterozoic Granites-Tanami Inlier which is part of the Northern Australian Orogenic Province (Plumb 1990). The Inlier abuts the Arunta Complex to the south and east and is onlapped by younger cover sequences including the extensive Palaeozoic Wiso Basin on its northeastern margin. To the west, clastic sediments of the Middle Proterozoic Birrindudu Basin overlie and separate the inlier from similar age rocks in the Halls Creek Province.

Tertiary drainage channels, now completely filled with alluvial and lacustrine clays and calcrete are a major feature of the region. Some drainage profiles are 10km wide and 100m deep, presenting a formidable barrier to mineral exploration.

Gold mineralisation within the NFM tenement holding is hosted by the Mt Charles Beds, a sequence of fine to medium-grained turbiditic metagreywackes with lesser amounts of metapelite, graphitic schist, banded iron-formation, chert and basic volcanic rocks (Blake et al 1979). Owing to their more resistant nature, only the cherts and iron-formations and associated interbedded graphitic schist tend to outcrop above the sand plain.

A suite of syn-to post-deformation dolerites and gabbros frequently invade the graphitic schist components of the sequence. Large plutons of mostly undeformed late-to post-orogenic adamellite and minor more mafic variants comprising The Granites Granite suite are widespread throughout the area.

Residual hills of gently folded Carpentarian Gardiner Sandstone unconformably overlie Early Proterozoic lithologies. Younger flat-lying Cambrian Antrim Plateau Basalts are also preserved as platform cover in areas protected from erosional stripping.

Complex, polyphase deformation during the Barramundi Orogeny has affected the entire Granites-Tanami Inlier. It appears to have been largely controlled by two sets of regional scale fundamental crustal fractures that trend NNE and WNW. This is evidenced by the orientation of successive phases of macroscopic folding in the region and the consistent sympathetic trends of late tectonic faults.

Peak metamorphism during the Barramundi Orogeny reached amphibolite facies at The Granites Gold Mine, but it is more generally greenschist facies at Dead Bullock Soak. Contact metamorphic aureoles, commonly identified in pelitic schist units by randomly orientated andalusite porphyroblasts, are well developed at the margins of the post-orogenic granite plutons.

6. LEASE GEOLOGY

The Granites derives its name from an impressive cluster of tors that rise to 20m above an otherwise subdued landscape. Westwards from The Granites, an arcuate strike ridge of Mt Charles Beds is defined by a line of low hills extending for 9km before disappearing under desert sand plain. This belt of rocks, approximately 200m wide, contains all excavations and mineralisation collectively known as The Granites Goldfield.

The Mt Charles Beds have been informally subdivided into the Host Unit, Footwall Schist, and Hangingwall Schist. Both pre-metamorphic and post-metamorphic basic to intermediate intrusives invade the sequence. The sequence is subvertical and in the absence of firm evidence of facing, is assumed to young to the north (away from the granite) and is variably lateritised.

The Hanging Wall Schist is more than 150m thick and comprises a finely grained variably graphitic schist grading upwards into a quartz-biotite schist and metagreywacke. Lenticular outcrops of blue-grey "quartzite" occur up to 1m thick (recorded as the Blue Quartz Marker horizon by Anglo Queensland Mines records).

The Host Unit is 5 to 35m thick and has been traced by costeaning and shallow drilling for 8.5km from Chapmans Hill to Ivy, although it appears to be consumed by intrusives rocks for up to 2km of strike length. The Host Unit is a mixed facies (predominantly silicate and silicate-sulphide with lesser carbonate and oxide facies) interbedded banded iron formation. The contact between the Host Unit and the overlying Hanging Wall Schist is usually sharp and distinctive as the lowest parts of the Hanging Wall Unit are aluminosilicate and graphitic schists which are often strongly sheared. The lower contact is more gradational (over 2 to 3m).

The Footwall Schist is greater than 120m thick and comprises interbedded and lensoidal amphibole-biotite schists. The Granites Granite intrudes the footwall schist thereby obscuring the base of the unit. The Footwall Schist has a low sulphide content (0.5%) and the gold content is generally less than 0.1g/t with the exception of a 3m wide lode of economic grade 20m below the base of the Host Unit at East Bullakitchie.

The orebodies of The Granites are stratabound within The Granites Host Unit. Each ore zone comprises a number of steeply plunging ore shoots, distributed within a structurally thickened portion of this unit. The width of the gold mineralised horizon has been expanded from a characteristic thickness of less than 5m to more than 10m. Individual shoots have a strike length of up to 100m, and a true width of 2 to 15m. In contrast to the situation at Dead Bullock Soak (MLS8), the enclosing rock sequences have not been found to be prospective.

Each of the four deposits in The Granites system remains open at depth. The mineralised Host Unit is in effect untested at depths of approximately 200m at Bunkers Hill, 300m at Quorn, and 500m at Shoe and Bullakitchie. In each case there remains potential that conditions favourable for thickened and higher grade mineralisation could recur beyond the limit of testing.

The gold occurs as disseminations in laminated amphibole-quartz and garnet-rich units, frequently accompanied by carbonate-quartz veining and the sulphides pyrrhotite and arsenopyrite. Free gold occurs in association with arsenopyrite and pyrrhotite, with or without quartz-carbonate veining. Parallel horizons of similar mineralogy in the Hanging Wall Schists have long been recognised as weakly mineralised. In the Footwall Schist, scattered occurrences of coarse grained gold in very thin quartz veins are of high grade at East Bullakitchie where they constitute the Footwall Lode.

7. ESTIMATED RESOURCES

There are significant resources remaining at MLS8, as indicated in the table below. A reassessment of the resource inventory is currently underway.

TABLE 2 - Summary of Identified Resources (June 1997)

Deposit	Type	Tonnes	Grade (g/t)	Contained Gold (ounces)
Open Pit				
Shoe - Shoe West	Indicated	222 000	2.8	20 000
Bunkers Hill	Indicated	845 000	3.4	93 200
Quorn	Measured	236 000	3.7	27 800
	Indicated	170 000	2.8	15 500
Quorn North	Indicated	218 000	1.5	10 500
Quorn West	Indicated	111 000	2.1	7 400
		1 802 000		**174 400**
Underground				
Shoe (above 1200 RL)	Indicated	214 000	3.7	25 400
Shoe (below 1200 RL)	Indicated	460 000	5.3	78 400
Shoe West	Indicated	400 000	5.5	70 700
Quorn	Indicated	755 000	4.3	104 400
		1 829 000		**278 900**
TOTAL		**3 631 000**		**453 300**

8. EXPLORATION OBJECTIVES

Exploration was oriented to test conceptual targets within the Host Unit for economic mineralisation.

9. WORK UNDERTAKEN

9.1 Diamond Drilling

Two diamond drillholes (GMD398, GMD399) were completed to test the Moongarrie prospect for economic gold mineralisation (Figure 3). These holes were drilled to provide deeper intersections of the host unit than those achieved in earlier drilling (Figure 4). Further details are presented in the table below.

The diamond drillhole collars were accurately located by Company surveyors utilising theodolite/EDM equipment with reference to pre-established x,y,z control.

The core samples were analysed by Analabs using methods GG329 for gold and GA115 for Arsenic (descriptions of analytical techniques including detection limits, are provided in Appendix 1).

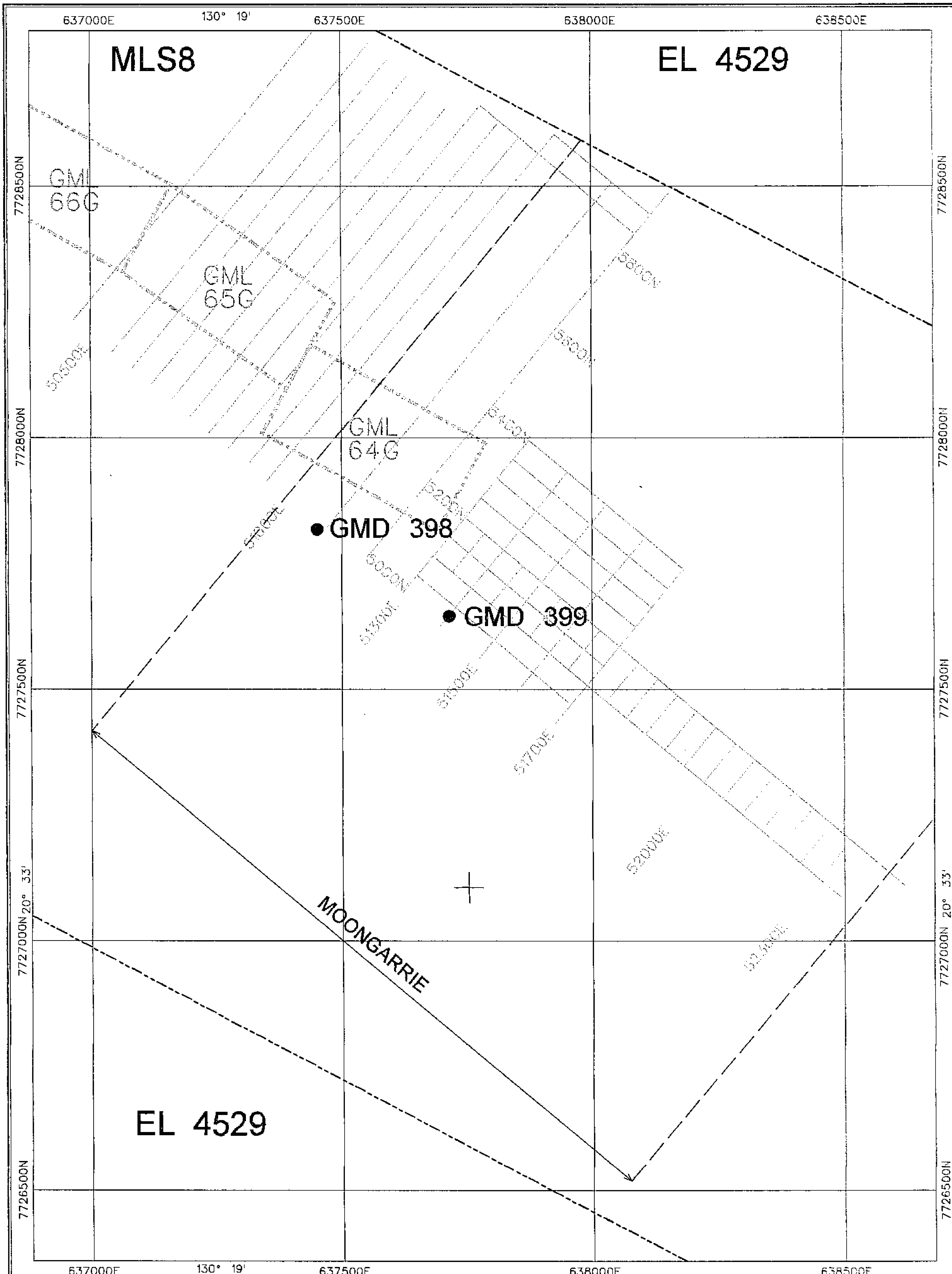
TABLE 3: Moongarrie Diamond Drillhole Details

Drillhole	Easting	Northing	Azim (mag)	Dip	Precollar (m)	Core (HQTT/HQ) (m)	Samples PC/CC*
GMD398	51088.57	4991.19	032	-70	126	299.3	64/124
GMD399	51401.66	5027.80	034	-60.5	108.1	50.7	54/38
					234.1m	**350m**	**118/162**

* PC (precollar) CC (continuous cut core)

There were no significant assay results to report from either of the holes. Complete assay records and sample descriptions are included in Appendix 2.

Cross sections for the holes are attached to the rear of this report as Figures 5, 6 and 7.



Normandy NFM Limited

NORTH FLINDERS EXPLORATION

MLS8 'THE GRANITES'

MOONGARRIE
DRILLHOLE LOCATIONS

N E S W

0 200m

SCALE 1:10,000

UTM Zone 52 (AGD66)

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FIGURE 3

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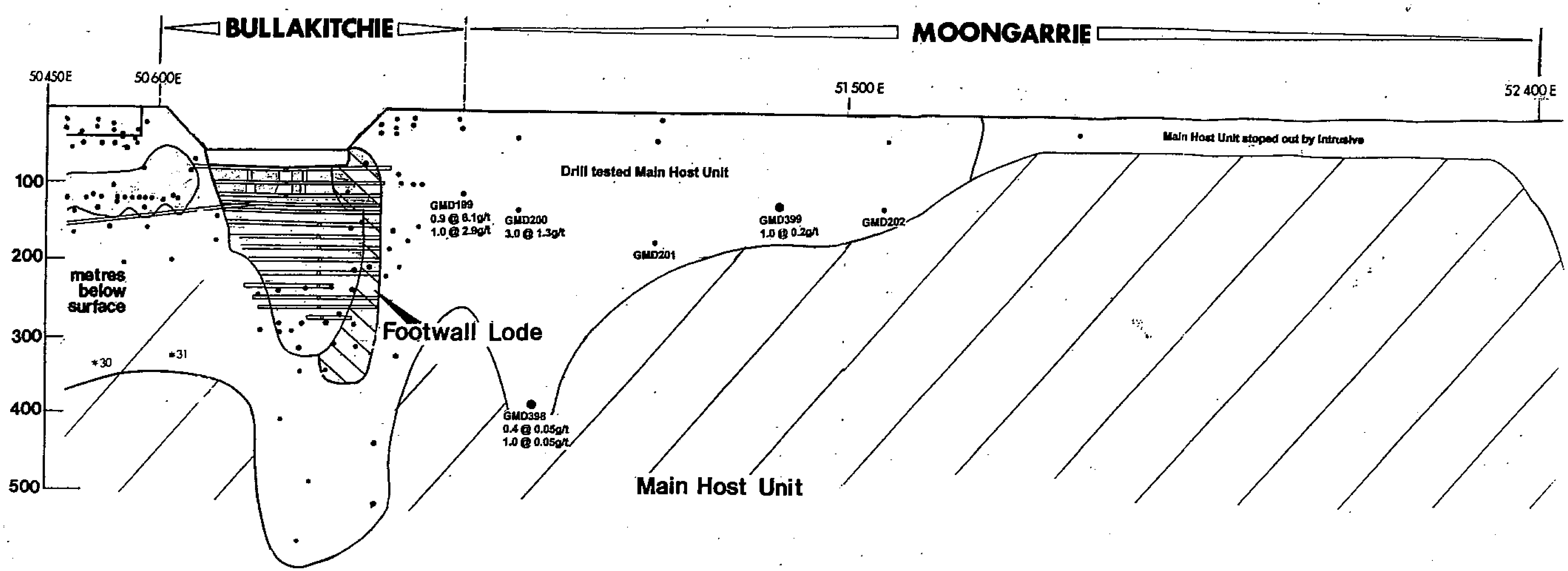

MOONGARRIE LONGSECTION – HOST UNIT INTERSECTIONS

FIGURE 4

10. EXPENDITURE INCURRED FOR THE REPORTING PERIOD

TABLE 5: Details of Exploration Expenditure for the year to 14th May 1998

COST CENTRE	MLS8 TOTAL
Geologist (20 Days @ $400/day)	8 000
Field Assistant (12 Days @ $250/day)	3 000
Diamond Drilling	47 455
Analyses (Diamond Drilling)	3 357
Adelaide Support Costs*	20 082
Tanami Field Indirects**	63 598
TOTAL	**$145 492**

Notes:

* Adelaide Support Costs includes the cost of computer data management, in-house drafting and general administration but excludes salaries.

** Tanami Field Indirects includes the cost of maintaining field camps and equipment, etc., but excludes field personnel wages.

11. FORWARD PROGRAM

Exploration activity on MLS8 will increase in the year to May 1999. This work is anticipated to comprise diamond drilling to test conceptual models that are most likely to add significantly to the current resources. Initial targets are at Bunkers Hill and Chapmans Hill.

12. REFERENCE LIST / ANNUAL REPORT BIBLIOGRAPHY

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Reports to NT DME

Adrichem, S.M. 1997. Annual Report for MLS8 (The Granites) for the Year to 14 May 1997

APPENDIX 1 - SAMPLING METHODS AND ANALYTICAL TECHNIQUES

1.1 SAMPLING METHODS

DIAMOND DRILLING

Diamond drilling is undertaken by Rockdril Contractors Pty Ltd. All holes are capped on completion as a temporary measure, with the hole number recorded in black paint on the plastic cap. Permanent rehabilitation is achieved by the removal of the protruding collar and insertion of a concrete plug 0.3m below ground. The cavity is back filled and mounded. The hole number is inscribed on a metal tag attached to a wooden peg, positioned adjacent to the plug.

CC (continuous cut)

half cut is typically sampled at 0.5m intervals, however this interval is adjusted where necessary to conform to lithological boundaries. The sampling intervals are clearly documented in the drillhole logs (Appendix 3). The sample is crushed on site.

Scan (scan cut)

10cm intervals of half cut core are collected every 30cm over a 3m length, providing a representative 3m composite sample. This is undertaken as a cost effective method of analysing less prospective rock units. The sample is crushed on site.

SF (screen fire assay)

uncrushed cut core is dispatched for Screen Fire assay when visible gold is observed.

F (fire assay)

uncrushed cut core from the interval bracketing the SF sample is dispatched for fire assay.

1.2 ANALYTICAL METHODOLOGY

The laboratory chosen for the MLS8 project was Analabs. Following is a table describing the analytical techniques used, and relevant detection limits for the elemental determinations.

The Normandy NFM database reports a two to three character summary of the analytical method code ascribed by the laboratory. The Normandy NFM database code is listed in brackets in the tables below.

All detection limits quoted in parts per million except where otherwise indicated.

ANALABS

Analabs Method (NFM code)	Element [Detection Limit]
GA115 (115) 30g sample, aqua regia digest, AAS	**As** [5]
GG329 (329) 30g sample, aqua regia digest, AAS	**Au** [0.02]

APPENDIX 2 - DIAMOND DRILLHOLE SAMPLE DATA, ASSAYS AND LOGS

MOON-Moongarrie (MLS8)-GMD398

TYPE : DDH | LOCAL EAST : 51088.57 E NORTH : 4991.19 N | AMG EAST : 637450.54 E NORTH : 7727817.00 N | RL : 1395.15 | DATE START : 30/09/97 COMP : 10/10/97 | DATE PCORE : 01/10/97 CORE : 01/10/97 | DEPTH PCORE : 126.00 DEPTH TOTAL : 425.30 | TOP AZI : 32.00 TOP DEC : -70.00

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
446755	0.00	4.00	4.00		51088.57	4991.19	1395.1	<0.02	M	M	M	M	M	0.	0.00	PC	Red soil with frags wthrd granodiorite ferrug material & wht q
446756	4.00	6.00	2.00		51088.47	4992.55	1391.3	<0.02	M	M	M	M	M	0.	0.00	RC	Red/ornge cly with frags wthrd granodiorite + clr q
446757	6.00	8.00	2.00		51088.43	4993.23	1389.5	<0.02	M	M	M	M	M	0.	0.00	RC	Red/ornge cly with frags wthrd kaol granodiorite + clr q
446758	8.00	10.00	2.00		51088.38	4993.92	1387.6	<0.02	M	M	M	M	M	0.	0.00	RC	Ple yell wthrd, kaol granodiorite + much clr q
446759	10.00	12.00	2.00		51088.34	4994.60	1385.7	<0.02	M	M	M	M	M	0.	0.00	RC	Crm wthrd, kaol granodiorite + some FeOx + tr qV
446761	12.00	14.00	2.00		51088.29	4995.28	1383.8	<0.02	M	M	M	M	M	0.	0.00	RC	Crm wthrd, kaol granodiorite + some FeOx + tr qV
																	446760 = Std. AU(329) 1.91
446762	14.00	16.00	2.00		51088.25	4995.96	1381.9	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry bio granodiorite with meta seds + tr qV
446763	16.00	18.00	2.00		51088.20	4996.65	1380.1	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. bio granodiorite with meta seds
446764	18.00	20.00	2.00		51088.16	4997.34	1378.2	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite
446765	20.00	22.00	2.00		51088.11	4998.04	1376.3	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite
446766	22.00	24.00	2.00		51088.06	4998.74	1374.4	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite
446767	24.00	26.00	2.00		51088.02	4999.44	1372.6	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite
446768	26.00	28.00	2.00		51087.97	5000.15	1370.7	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. less mafic granodiorite, slightly wthrd
446769	28.00	30.00	2.00		51087.92	5000.86	1368.8	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite + mnr meta seds
446770	30.00	32.00	2.00		51087.88	5001.57	1367.0	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite
446771	32.00	34.00	2.00		51087.83	5002.29	1365.1	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite + tr qV
446772	34.00	36.00	2.00		51087.78	5003.00	1363.2	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. granodiorite + tr qV
446773	36.00	38.00	2.00		51087.74	5003.72	1361.4	0.02	M	M	M	M	M	0.02	0.04	RC	Fresh m.g. bio-rich lt gry granodiorite
446774	38.00	40.00	2.00		51087.70	5004.43	1359.5	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446775	40.00	42.00	2.00		51087.66	5005.15	1357.6	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446776	42.00	44.00	2.00		51087.62	5005.86	1355.8	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446777	44.00	46.00	2.00		51087.58	5006.58	1353.9	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446778	46.00	48.00	2.00		51087.55	5007.29	1352.0	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446779	48.00	50.00	2.00		51087.52	5008.01	1350.2	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446780	50.00	52.00	2.00		51087.48	5008.73	1348.3	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite + mnr dol
446781	52.00	54.00	2.00		51087.45	5009.44	1346.4	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446782	54.00	56.00	2.00		51087.43	5010.16	1344.6	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446783	56.00	58.00	2.00		51087.40	5010.88	1342.7	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446784	58.00	60.00	2.00		51087.37	5011.59	1340.8	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446785	60.00	62.00	2.00		51087.35	5012.31	1339.0	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446786	62.00	64.00	2.00		51087.33	5013.02	1337.1	0.02	M	M	M	M	M	0.02	0.04	RC	Fresh m.g. bio-rich lt gry granodiorite
446787	64.00	66.00	2.00		51087.31	5013.74	1335.2	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446788	66.00	68.00	2.00		51087.29	5014.46	1333.4	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446789	68.00	70.00	2.00		51087.26	5015.17	1331.5	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446791	70.00	72.00	2.00		51087.24	5015.89	1329.6	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
																	446790 = Std. AU(329) 1.76
446792	72.00	74.00	2.00		51087.22	5016.61	1327.8	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446793	74.00	76.00	2.00		51087.21	5017.32	1325.9	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446794	76.00	78.00	2.00		51087.19	5018.04	1324.0	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446795	78.00	80.00	2.00		51087.17	5018.76	1322.2	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446796	80.00	82.00	2.00		51087.15	5019.47	1320.3	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446797	82.00	84.00	2.00		51087.13	5020.19	1318.4	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite
446798	84.00	86.00	2.00		51087.12	5020.91	1316.6	<0.02	M	M	M	M	M	0.	0.00	RC	Fresh m.g. bio-rich lt gry granodiorite + tr qV
446799	86.00	88.00	2.00		51087.10	5021.62	1314.7	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite + tr chl altn
446800	88.00	90.00	2.00		51087.09	5022.34	1312.8	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite
446801	90.00	92.00	2.00		51087.07	5023.06	1310.9	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite
446802	92.00	94.00	2.00		51087.06	5023.77	1309.1	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite
446803	94.00	96.00	2.00		51087.04	5024.49	1307.2	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite
446804	96.00	98.00	2.00		51087.03	5025.20	1305.3	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite
446805	98.00	100.00	2.00		51087.01	5025.92	1303.5	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite
446806	100.00	102.00	2.00		51087.00	5026.64	1301.6	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite. (Dry sample to 102.0m)
446807	102.00	104.00	2.00		51086.99	5027.35	1299.7	0.03	M	M	M	M	M	0.03	0.06	RC	m.g. bio-rich lt gry granodiorite + tr grn altd fspar (v.wet
																	sample from here on)
446808	104.00	106.00	2.00		51086.98	5028.07	1297.9	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite + tr grn altd fspar
446809	106.00	108.00	2.00		51086.96	5028.79	1296.0	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite + tr grn altd fspar
446810	108.00	110.00	2.00		51086.95	5029.50	1294.1	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite + tr grn altd fspar
446811	110.00	112.00	2.00		51086.94	5030.22	1292.3	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite + tr grn altd fspar
446812	112.00	114.00	2.00		51086.93	5030.94	1290.4	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite + qVs (gry) + tr grn alt fspar
446813	114.00	116.00	2.00		51086.92	5031.65	1288.5	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite
446814	116.00	118.00	2.00		51086.91	5032.37	1286.7	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite
446815	118.00	120.00	2.00		51086.90	5033.09	1284.8	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite + tr clr qVs
446816	120.00	122.00	2.00		51086.90	5033.80	1282.9	0.02	M	M	M	M	M	0.02	0.04	RC	m.g. bio-rich lt gry granodiorite
446817	122.00	124.00	2.00		51086.89	5034.52	1281.1	<0.02	M	M	M	M	M	0.	0.00	RC	m.g. bio-rich lt gry granodiorite
446818	124.00	125.00	1.00		51086.88	5035.24	1279.2	0.02	M	M	M	M	M	0.02	0.02	RC	m.g. bio-rich lt gry granodiorite. E.O.P.C.
714746	125.00	128.00	3.00		51086.88	5035.60	1278.3	<0.02	13.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714747	128.00	131.00	3.00		51086.87	5036.67	1275.5	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714748	131.00	134.00	3.00		51086.87	5037.75	1272.7	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714749	134.00	137.00	3.00		51086.86	5038.82	1269.9	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714750	137.00	140.00	3.00		51086.86	5039.90	1267.1	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714751	140.00	143.00	3.00		51086.86	5040.97	1264.3	<0.02	9.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714752	143.00	146.00	3.00		51086.86	5042.05	1261.5	<0.02	15.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
																	2.5cm thick xenolith parallel to foln @ 145.5m
714753	146.00	149.00	3.00		51086.85	5043.12	1258.7	<0.02	13.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
714754	149.00	152.00	3.00		51086.85	5044.20	1255.9	<0.02	14.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite Mnr f.g. xenolith @ 150.0m
714755	152.00	155.00	3.00		51086.84	5045.27	1253.1	<0.02	12.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714756	155.00	158.00	3.00		51086.83	5046.35	1250.3	<0.02	14.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite Mnr f.g. xenoliths @ 156.5m & 157.2m & 157.3m
714757	158.00	161.00	3.00		51086.82	5047.42	1247.5	<0.02	9.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite Mnr f.g. xenoliths @ 158.9m & 160.3m
714758	161.00	164.00	3.00		51086.83	5048.50	1244.7	<0.02	12.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714759	164.00	167.00	3.00		51086.84	5049.57	1241.9	<0.02	15.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714760	167.00	170.00	3.00		51086.86	5050.65	1239.1	<0.02	11.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714761	170.00	173.00	3.00		51086.89	5051.72	1236.3	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite Mnr f.g. xenolith @ 170.9m
714762	173.00	176.00	3.00		51086.92	5052.80	1233.5	<0.02	15.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714763	176.00	179.00	3.00		51086.95	5053.87	1230.7	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite f.g. leuc xenolith in fol, 2cm wide @ 178.4m
714764	179.00	182.00	3.00		51086.99	5054.95	1227.9	<0.02	11.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714765	182.00	185.00	3.00		51087.03	5056.02	1225.1	<0.02	9.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714766	185.00	188.00	3.00		51087.07	5057.10	1222.3	<0.02	14.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite Mnr f.g. xenolith @ 187.2m
714767	188.00	191.00	3.00		51087.12	5058.18	1219.5	<0.02	7.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714768	191.00	194.00	3.00		51087.16	5059.27	1216.7	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite f.g. xenolith elongated in fol direction @ 192.0m & 193.1m
714769	194.00	197.00	3.00		51087.21	5060.36	1213.9	<0.02	<5	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite f.g. xenoliths elongated in fol direction @ 195.5m
714770	197.00	200.00	3.00		51087.25	5061.45	1211.1	<0.02	10.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite
714771	200.00	203.00	3.00		51087.30	5062.55	1208.3	<0.02	5.	M	M	M	M	0.	0.00	SCAN	125.0-201.9m Wkly fol m.g. biot granodiorite 201.9-209.0m Shrd/retrogressed FW against sharp contact with granodiorite concordant with fol. Interbnded biot Sch (retro- gressed dol?) + siliceous hbl-bio Sch with calc sil.
714772	203.00	206.00	3.00		51087.34	5063.65	1205.5	<0.02	9.	M	M	M	M	0.	0.00	SCAN	201.9-209.0m Interbnded biot Sch (retrogressed dol?) + siliceous hbl-bio Sch with calc sil.
714773	206.00	209.00	3.00		51087.39	5064.75	1202.7	0.14	9.	M	M	M	M	0.14	0.42	SCAN	201.9-209.0m Interbnded biot Sch (retrogressed dol?) + siliceous hbl-bio Sch with calc sil.
714774	209.00	212.00	3.00		51087.44	5065.86	1199.9	0.03	9.	M	M	M	M	0.03	0.09	SCAN	209.0-213.0m More mass hornblende-biot Sch, but still with biot Sch bnds + siliceous segregations. Py paint on Schose surfaces. 209.3-209.6m altn by bio removal.
714775	212.00	215.00	3.00		51087.49	5066.97	1197.1	0.03	<5	M	M	M	M	0.03	0.09	SCAN	209.0-213.0m More mass hornblende-biot Sch, but still with biot Sch bnds + siliceous segregations. Py paint on Schose surfaces. 213.0-219.5m f.g. bio-rich hornblende-bio Sch with little compositional bnding, v.brkn & blocky
714776	215.00	218.00	3.00		51087.54	5068.08	1194.3	0.03	16.	M	M	M	M	0.03	0.09	SCAN	213.0-219.5m f.g. bio-rich hornblende-bio Sch with little compositional bnding, v.brkn & blocky
714777	218.00	221.00	3.00		51087.60	5069.20	1191.6	<0.02	13.	M	M	M	M	0.	0.00	SCAN	213.0-219.5m f.g. bio-rich hornblende-bio Sch with little compositional bnding, v.brkn & blocky 219.5-221.6m Wkly fol lt gry bio-rich granodiorite
714778	221.00	224.00	3.00		51087.65	5070.32	1188.8	0.07	27.	M	M	M	M	0.07	0.21	SCAN	219.5-221.6m Wkly fol lt gry bio-rich granodiorite 221.6-227.8m Bnded + ms f.g. bio-rich hbl-bio Sch 222.5-222.6m Bio-alm bnd 221.9-222.8m calc sil bnds with spessartite
714779	224.00	227.00	3.00		51087.70	5071.45	1186.0	<0.02	11.	M	M	M	M	0.	0.00	SCAN	221.6-227.8m Bnded + ms f.g. bio-rich hbl-bio Sch 226.0-227.0m calc sil bnds with spessartite
714780	227.00	230.00	3.00		51087.76	5072.58	1183.2	<0.02	50.	M	M	M	M	0.	0.00	SCAN	221.6-227.8m Bnded + ms f.g. bio-rich hbl-bio Sch 227.8-228.9m Wkly fol bio granodiorite, less alt with depth. Thin bio-rich FW bnds in unit 228.9-232.0m Ms f.g. hbl-bio Sch
714781	230.00	233.00	3.00		51087.82	5073.71	1180.4	<0.02	113.	M	M	M	M	0.	0.00	SCAN	228.9-232.0m Ms f.g. hbl-bio Sch 230.8-232.0m calc sil altn. 232.0-234.1m Wkly fol bio granodiorite containing bnds of Schose concord biot-rich FW metaseds.
714782	233.00	236.00	3.00		51087.88	5074.84	1177.7	<0.02	53.	M	M	M	M	0.	0.00	SCAN	232.0-234.1m Wkly fol bio granodiorite containing bnds of Schose concord biot-rich FW metaseds 234.1-243.0m Ms f.g. hbl-bio Sch with bio-rich bnds + bio c.g. alm bnds. Py paint on Schose surfaces.
714783	236.00	239.00	3.00		51087.94	5075.97	1174.9	<0.02	59.	M	M	M	M	0.	0.00	SCAN	234.1-243.0m Ms f.g. hbl-bio Sch with bio-rich bnds + bio c.g. alm bnds. Py paint on Schose surfaces.
714784	239.00	242.00	3.00		51088.00	5077.11	1172.1	<0.02	23.	M	M	M	M	0.	0.00	SCAN	234.1-243.0m Ms f.g. hbl-bio Sch with bio-rich bnds + bio c.g. alm bnds. Py paint on Schose surfaces. Ms Po vn (0.5cm wide) @ 241.7m
714785	242.00	245.00	3.00		51088.06	5078.25	1169.3	0.29	106.	M	M	M	M	0.29	0.87	SCAN	234.1-243.0m Ms f.g. hbl-bio Sch with bio-rich bnds + bio c.g. alm bnds. Py paint on Schose surfaces. 243.0-248.7m Ms f.g. hbl-bio Sch as before but no calc sil bnds or bio c.g. alm bnds. Py paint on Schistosity.
714786	245.00	248.00	3.00		51088.13	5079.39	1166.6	<0.02	8.	M	M	M	M	0.	0.00	SCAN	243.0-248.7m Ms f.g. hbl-bio Sch as before but no calc sil bnds or bio c.g. alm bnds. Py paint on Schistosity. Less bio bnding between 245.8-248.7m
714787	248.00	251.00	3.00		51088.20	5080.53	1163.8	<0.02	20.	M	M	M	M	0.	0.00	SCAN	243.0-248.7m Ms f.g. hbl-bio Sch as before but no calc sil bnds or bio c.g. alm bnds. Py paint on Schistosity.

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
																	248.7-250.0m V.altd bio granodiorite with only relic fspar phenocrysts evident. Matrix resemble ms bio Sch without Schistosity. 250.0-251.5m Ms f.g. hbl-bio Sch with calc sil bnds.
714788	251.00	254.00	3.00		51088.27	5081.68	1161.0	0.07	59.	M	M	M	M	0.07	0.21	SCAN	250.0-251.5m Ms f.g. hbl-bio Sch with calc sil bnds. 251.5-253.6m f.g. hbl-bio Sch with small alm becoming evident + calc sil bnds. Transitional to next unit. 253.6-266.4m Hbl-bio-alm Sch. Alm garnet is m.g. + v.prevalent & occurs in bnds
714789	254.00	257.00	3.00		51088.34	5082.82	1158.2	0.03	127.	M	M	M	M	0.03	0.09	SCAN	253.6-266.4m Hbl-bio-alm Sch. Alm garnet is m.g. + v.prevalent & occurs in bnds
714790	257.00	260.00	3.00		51088.41	5083.97	1155.5	<0.02	21.	M	M	M	M	0.	0.00	SCAN	253.6-266.4m Hbl-bio-alm Sch. Alm garnet is m.g. + v.prevalent & occurs in bnds Hbl-rich/alm-poor bnds present between 262.5-266.4m
714791	260.00	263.00	3.00		51088.49	5085.13	1152.7	<0.02	61.	M	M	M	M	0.	0.00	SCAN	253.6-266.4m Hbl-bio-alm Sch. Alm garnet is m.g. + v.prevalent & occurs in bnds 262.5-266.4m Hbl-rich alm-poor bnds
714792	263.00	266.00	3.00		51088.56	5086.28	1149.9	0.03	109.	M	M	M	M	0.03	0.09	SCAN	253.6-266.4m Hbl-bio-alm Sch. Alm garnet is m.g. + v.prevalent & occurs in bnds 262.5-266.4m Hbl-rich alm-poor bnds
714793	266.00	269.00	3.00		51088.64	5087.44	1147.2	0.51	17.	M	M	M	M	0.51	1.53	SCAN	253.6-266.4m Hbl-bio-alm Sch. Alm garnet is m.g. + v.prevalent & occurs in bnds. 262.5-266.4m hbl-rich alm-poor bnds. 266.4-271.8m f.g. ms hbl-bio Sch with calc sil bnds @ 270.0m. Alm garnet rare.
714794	269.00	272.00	3.00		51088.72	5088.60	1144.4	0.03	22.	M	M	M	M	0.03	0.09	SCAN	266.4-271.8m f.g. ms hbl-bio Sch with calc sil bnds @ 270.0m. Alm garnet rare, tho spessartite in calc sil bnds Thin Py bnds assoc with break in compositional layering between 270.2-270.7m 271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding
714795	272.00	275.00	3.00		51088.80	5089.76	1141.6	0.10	21.	M	M	M	M	0.1	0.30	SCAN	271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding
714796	275.00	278.00	3.00		51088.88	5090.92	1138.9	0.08	18.	M	M	M	M	0.08	0.24	SCAN	271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding Mnr calc sil bnding between 277.5-288.0m
714797	278.00	281.00	3.00		51088.97	5092.09	1136.1	0.11	15.	M	M	M	M	0.11	0.33	SCAN	271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding Mnr calc sil bnding between 277.5-288.0m Py assoc with q bnd @ 279.0m
714798	281.00	284.00	3.00		51089.05	5093.26	1133.4	<0.02	18.	M	M	M	M	0.	0.00	SCAN	271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding Mnr calc sil bnding between 277.5-288.0m
714799	284.00	287.00	3.00		51089.14	5094.43	1130.6	0.03	14.	M	M	M	M	0.03	0.09	SCAN	271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding Mnr calc sil bnding between 277.5-288.0m Py in lam assoc with calc sil bnd between 284.7-285.0m
714800	287.00	290.00	3.00		51089.23	5095.61	1127.8	0.08	12.	M	M	M	M	0.08	0.24	SCAN	271.8-288.8m Ms hbl-bio-alm Sch. V.little compositional bnding Mnr calc sil bnding between 277.5-288.0m 288.8-297.4m Interbnd hbl-bio Sch + hbl-bio-alm Sch. Some patches with cord. Py paint on Schtose surfaces.
714801	290.00	293.00	3.00		51089.32	5096.79	1125.1	<0.02	20.	M	M	M	M	0.	0.00	SCAN	288.8-297.4m Interbnd hbl-bio Sch + hbl-bio-alm Sch. Some patches with cord. Py paint on Schtose surfaces.
714802	293.00	296.00	3.00		51089.41	5097.98	1122.3	<0.02	14.	M	M	M	M	0.	0.00	SCAN	288.8-297.4m Interbnd hbl-bio Sch + hbl-bio-alm Sch. Some patches with cord. Py paint on Schtose surfaces.
714803	296.00	299.00	3.00		51089.50	5099.17	1119.6	<0.02	9.	M	M	M	M	0.	0.00	SCAN	288.8-297.4m Interbnd hbl-bio Sch + hbl-bio-alm Sch. Some patches with cord. Py paint on Schtose surfaces. 297.4-300.5m f.g. ms hbl-bio Sch with extensive calc sil bnding cont. diopside & qVs. V.mnr alm, but anthophyllite becoming common in non calc sil zones. Tr Po dissem + lam.
714804	299.00	302.00	3.00		51089.60	5100.37	1116.8	<0.02	13.	M	M	M	M	0.	0.00	SCAN	297.4-300.5m f.g. ms hbl-bio Sch with extensive calc sil bnding cont. diopside & qVs. V.mnr alm, but anthophyllite becoming common in non calc sil zones. Tr Po dissem + lam. 300.5-304.2m Hbl-anth-bio Sch with bnds acicular anth + tr Po dissem + in lam
714805	302.00	305.00	3.00		51089.69	5101.58	1114.1	<0.02	13.	M	M	M	M	0.	0.00	SCAN	300.5-304.2m Hbl-anth-bio Sch with bnds acicular anth + tr Po dissem + in lam qV with assoc diopside + spessartite @ 302.1m 304.2-307.6m Inter bnded hbl-anth-bio Sch + hbl-alm-bio Sch with calc sil bnds cont. diopside + spessartite.
714806	305.00	308.00	3.00		51089.79	5102.79	1111.3	<0.02	16.	M	M	M	M	0.	0.00	SCAN	304.2-307.6m Inter bnded hbl-anth-bio Sch + hbl-alm-bio Sch with calc sil bnds cont. diopside + spessartite. 307.6-318.0m Hbl-alm-bio Sch with cord initially, then substituted by andalusite. Calc sil bnds absent.
714807	308.00	311.00	3.00		51089.89	5104.00	1108.6	<0.02	18.	M	M	M	M	0.	0.00	SCAN	307.6-318.0m Hbl-alm-bio Sch with cord initially, then substituted by andalusite. Calc sil bnds absent. Mnr Po bleb @ 311.0m
714808	311.00	314.00	3.00		51089.99	5105.22	1105.9	0.03	13.	M	M	M	M	0.03	0.09	SCAN	307.6-318.0m Hbl-alm-bio Sch with cord initially, then substituted by andalusite. Calc sil bnds absent.
714809	314.00	317.00	3.00		51090.09	5106.45	1103.1	<0.02	17.	M	M	M	M	0.	0.00	SCAN	307.6-318.0m Hbl-alm-bio Sch with cord initially, then substituted by andalusite. Calc sil bnds absent.
714810	317.00	320.00	3.00		51090.20	5107.69	1100.4	<0.02	12.	M	M	M	M	0.	0.00	SCAN	307.6-318.0m Hbl-alm-bio Sch with cord initially, then substituted by andalusite. Calc sil bnds absent. 318.0-320.0m And-bio Sch. Andal is c.g. Bio-rich & bio-poor

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																	compositional bnding.
714811	320.00	323.00	3.00		51090.30	5108.94	1097.7	0.13	18.	M	M	M	M	0.13	0.39	SCAN	320.0-323.5m f.g. ms hbl-bio Sch
714812	323.00	326.00	3.00		51090.40	5110.20	1095.0	0.10	11.	M	M	M	M	0.1	0.30	SCAN	320.0-323.5m f.g. ms hbl-bio Sch 323.5-326.7m Ser hbl-bio Sch. Sl magnet with mnr cord & andal.
714813	326.00	329.00	3.00		51090.51	5111.47	1092.2	0.13	16.	M	M	M	M	0.13	0.39	SCAN	323.5-326.7m Ser hbl-bio Sch. Sl magnet with mnr cord & andal. 326.7-331.4m f.g. andal-hbl-bio Sch with cord + calc sil bnds with qVs + spessartite. Mag present.
714814	329.00	332.00	3.00		51090.61	5112.78	1089.5	<0.02	12.	M	M	M	M	0.	0.00	SCAN	326.7-331.4m f.g. andal-hbl-bio Sch with cord + calc sil bnds with qVs + spessartite. Mag present. 331.4-332.8m c.g. andal rich andal-bio Sch
714815	332.00	335.00	3.00		51090.72	5114.10	1086.8	<0.02	12.	M	M	M	M	0.	0.00	SCAN	331.4-332.8m c.g. andal rich andal-bio Sch 332.8-338.6m Poorly bnded hbl-bio Sch with cord & mag
714816	335.00	338.00	3.00		51090.83	5115.45	1084.2	<0.02	11.	M	M	M	M	0.	0.00	SCAN	332.8-338.6m Poorly bnded hbl-bio Sch with cord & mag
714817	338.00	341.00	3.00		51090.95	5116.83	1081.5	<0.02	10.	M	M	M	M	0.	0.00	SCAN	332.8-338.6m Poorly bnded hbl-bio Sch with cord & mag 338.6-344.1m Hbl-bio Sch with cord. Between 339.5-340.0 Sch contains distinct lamallae of mag (v.abundant). Magnetite marker.
714818	341.00	344.00	3.00		51091.06	5118.22	1078.9	<0.02	7.	M	M	M	M	0.	0.00	SCAN	338.6-344.1m Hbl-bio Sch with cord.
714819	344.00	347.00	3.00		51091.18	5119.63	1076.2	0.03	9.	M	M	M	M	0.03	0.09	SCAN	338.6-344.1m Hbl-bio Sch with cord. 344.1-348.0m Andal-bio Sch with cord.
714820	347.00	350.00	3.00		51091.29	5121.05	1073.6	<0.02	10.	M	M	M	M	0.	0.00	SCAN	344.1-348.0m Andal-bio Sch with cord. 348.0-356.9m Siliceous hbl-bio Sch with v.mnr andal-bio Sch. Mnr cord in patches.
714821	350.00	353.00	3.00		51091.41	5122.49	1070.9	<0.02	12.	M	M	M	M	0.	0.00	SCAN	348.0-356.9m Siliceous hbl-bio Sch with v.mnr andal-bio Sch. Mnr cord in patches. Between 352.4-356.9m calc sil bnds with spessartite.
714822	353.00	356.00	3.00		51091.53	5123.95	1068.3	<0.02	11.	M	M	M	M	0.	0.00	SCAN	348.0-356.9m Siliceous hbl-bio Sch with v.mnr andal-bio Sch. Mnr cord in patches. Between 352.4-356.9m calc sil bnds with spessartite.
714823	356.00	359.00	3.00		51091.65	5125.41	1065.7	<0.02	13.	M	M	M	M	0.	0.00	SCAN	348.0-356.9m Siliceous hbl-bio Sch with v.mnr andal-bio Sch. Mnr cord in patches. Between 352.4-356.9m calc sil bnds with spessartite. 356.9-359.8m Andal-bio Sch. Even grain with subtle silty bnds.
714824	359.00	362.00	3.00		51091.77	5126.90	1063.1	<0.02	16.	M	M	M	M	0.	0.00	SCAN	356.9-359.8m Andal-bio Sch. Even grain with subtle silty bnds. 359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm.
714825	362.00	365.00	3.00		51091.90	5128.39	1060.5	<0.02	13.	M	M	M	M	0.	0.00	SCAN	359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm. Siliceous hbl-bio Sch contains calc sil bnds @ 363.3m (with spessartite) 363.8m (epidote)
714826	365.00	368.00	3.00		51092.02	5129.89	1057.9	<0.02	15.	M	M	M	M	0.	0.00	SCAN	359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm.
714827	368.00	371.00	3.00		51092.14	5131.40	1055.3	<0.02	17.	M	M	M	M	0.	0.00	SCAN	359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm. Siliceous hbl-bio Sch contains calc sil bnds @ 368.2m (epidote) 369.5m (epidote + diopside) 369.9m (epidote)
714828	371.00	374.00	3.00		51092.26	5132.91	1052.7	<0.02	16.	M	M	M	M	0.	0.00	SCAN	359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm. Siliceous hbl-bio Sch contains calc sil bnds @ 372.0m (epidote + diopside) 373.4m (epidote)
714829	374.00	377.00	3.00		51092.38	5134.43	1050.1	<0.02	16.	M	M	M	M	0.	0.00	SCAN	359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm. Siliceous hbl-bio Sch contains calc sil bnds @ 374.1m (epidote + spessartite)
714830	377.00	380.00	3.00		51092.49	5135.95	1047.6	<0.02	12.	M	M	M	M	0.	0.00	SCAN	359.8-377.7m Interbedded f.g. ms siliceous hbl-bio Sch + andal- bio Sch without significant alm. 377.7-396.0m Interbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm. Calc sil bnds @ 378.9m (spessartite)
714831	380.00	383.00	3.00		51092.61	5137.48	1045.0	<0.02	12.	M	M	M	M	0.	0.00	SCAN	377.7-396.0m Interbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm.
714832	383.00	386.00	3.00		51092.73	5139.01	1042.4	<0.02	14.	M	M	M	M	0.	0.00	SCAN	377.7-396.0m Interbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm.
714833	386.00	389.00	3.00		51092.84	5140.55	1039.8	<0.02	13.	M	M	M	M	0.	0.00	SCAN	377.7-396.0m Interbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm. Calc sil bnds @ 386.3m (epidote + tr spessartite)
714834	389.00	392.00	3.00		51092.95	5142.09	1037.3	<0.02	14.	M	M	M	M	0.	0.00	SCAN	377.7-396.0m Interbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm. Calc sil bnds @

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714835	392.00	395.00	3.00		51093.07	5143.65	1034.7	<0.02	10.	M	M	M	M	0.	0.00	SCAN	389.0m (diopside + spessartite) 391.2m (diopside + spessartite) 389.5-396.0m Andal content incr. Compositional bnding v.discreet + clr 377.7-396.0m Iuterbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm. Calc sil bnds @
714836	395.00	398.00	3.00		51093.19	5145.21	1032.1	<0.02	14.	M	M	M	M	0.	0.00	SCAN	392.3m (diopside) 393.2m (diopside + epidote) 393.4m (epidote, shrd with wht carb vns + chl) 389.5-396.0m Andal content incr. Compositional bnding v.discreet + clr. 377.7-396.0m Interbedded f.g. ms siliceous hbl-bio Sch + hbl-bio -alm-cord Sch, with andal v.sparse. Cord is c.g. (to 5mm) Alm is up to 2mm. 389.5-396.0m Andal content incr. Compositional bnding v.discreet + clr.
714837	398.00	400.00	2.00		51093.31	5146.78	1029.6	<0.02	15.	M	M	M	M	0.	0.00	SCAN	396.0-400.5m Andal-bio Sch with small andal (to 1mm) + virtually no alm. Thin silty bnds evident. 396.0-400.5m Andal-bio Sch with small andal (to 1mm) + virtually no alm. Thin silty bnds evident.
714838	400.00	401.20	1.20		51093.39	5147.83	1027.9	<0.02	19.	M	M	M	M	0.	0.00	CC	396.0-400.5m Andal-bio Sch with small andal (to 1mm) + virtually no alm. Thin silty bnds evident. Calc sil bnd @ 400.1m with diopside + tr spessartite. 400.5-401.2m f.g. ms bio-hbl Sch interbnded with andal-alm Sch. Gars incr in size.
714839	401.20	401.70	0.50		51093.44	5148.46	1026.9	<0.02	16.	M	M	M	M	0.	0.00	CC	401.2-402.7m C Lode - Ribbon bnded q carb/calc sil/amph Sch 401.2-401.7m sulph poor.
714840	401.70	402.20	0.50		51093.46	5148.72	1026.4	<0.02	15.	M	M	M	M	0.	0.00	CC	401.2-402.7m C Lode - Ribbon bnded q carb/calc sil/amph Sch 401.2-401.7m sulph poor.
714841	402.20	402.70	0.50		51093.48	5148.98	1026.0	<0.02	12.	M	M	M	M	0.	0.00	CC	401.2-402.7m C Lode - Ribbon bnded q carb/calc sil/amph Sch 401.2-401.7m sulph poor.
714842	402.70	403.20	0.50		51093.50	5149.25	1025.6	<0.02	17.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph 402.7-404.2m Bnds of C lode material in this unit.
714843	403.20	403.70	0.50		51093.52	5149.51	1025.2	<0.02	15.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph 402.7-404.2m Bnds of C lode material in this unit.
714844	403.70	404.20	0.50		51093.54	5149.78	1024.7	<0.02	18.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph 402.7-404.2m Bnds of C lode material in this unit.
714845	404.20	404.70	0.50		51093.56	5150.04	1024.3	<0.02	13.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph
714846	404.70	405.20	0.50		51093.58	5150.31	1023.9	<0.02	16.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph
714847	405.20	405.70	0.50		51093.60	5150.57	1023.5	<0.02	11.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph
714848	405.70	406.20	0.50		51093.62	5150.84	1023.0	<0.02	15.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph
714849	406.20	406.70	0.50		51093.64	5151.10	1022.6	<0.02	17.	M	M	M	M	0.	0.00	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph
714850	406.70	407.00	0.30		51093.66	5151.37	1022.2	0.05	14.	M	M	M	M	0.05	0.01	CC	402.7-407.0m Biot marker - Bnded alm-bio-amph
714851	407.00	407.50	0.50		51093.68	5151.53	1021.9	<0.02	12.	M	M	M	M	0.	0.00	CC	407.0-408.0m B Lode - Dk grn bnded amph Sch with alm, spessartite + diopside
714852	407.50	408.00	0.50		51093.70	5151.79	1021.5	<0.02	14.	M	M	M	M	0.	0.00	CC	407.0-408.0m B Lode - Dk grn bnded amph Sch with alm, spessartite + diopside
714853	408.00	408.50	0.50		51093.72	5152.06	1021.1	0.03	15.	M	M	M	M	0.03	0.01	CC	408.0-409.2m MAC - Ms + bnded alm cummingtonite
714854	408.50	408.80	0.30		51093.74	5152.33	1020.7	<0.02	13.	M	M	M	M	0.	0.00	CC	408.0-409.2m MAC - Ms + bnded alm cummingtonite
714855	408.80	409.20	0.40		51093.75	5152.49	1020.4	<0.02	16.	M	M	M	M	0.	0.00	CC	408.0-409.2m MAC - Ms + bnded alm cummingtonite
714856	409.20	409.70	0.50		51093.77	5152.70	1020.1	0.03	20.	M	M	M	M	0.03	0.01	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714857	409.70	410.20	0.50		51093.79	5152.97	1019.7	<0.02	16.	M	M	M	M	0.	0.00	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714858	410.20	410.70	0.50		51093.81	5153.23	1019.2	<0.02	18.	M	M	M	M	0.	0.00	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet. 410.6-410.7m thin ms Po bnd
714859	410.70	411.20	0.50		51093.83	5153.50	1018.8	<0.02	11.	M	M	M	M	0.	0.00	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714860	411.20	411.70	0.50		51093.85	5153.77	1018.4	<0.02	16.	M	M	M	M	0.	0.00	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714861	411.70	412.20	0.50		51093.88	5154.04	1018.0	0.03	11.	M	M	M	M	0.03	0.01	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714862	412.20	412.70	0.50		51093.90	5154.30	1017.6	0.04	10.	M	M	M	M	0.04	0.02	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714863	412.70	413.20	0.50		51093.92	5154.57	1017.1	0.05	10.	M	M	M	M	0.05	0.02	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714864	413.20	413.70	0.50		51093.94	5154.84	1016.7	0.05	25.	M	M	M	M	0.05	0.02	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714865	413.70	414.30	0.60		51093.96	5155.11	1016.3	<0.02	25.	M	M	M	M	0.	0.00	CC	409.2-414.3m A Lode - Dk grn amph Sch with alm/spessartite garnet, diopside + grossular garnet.
714866	414.30	416.00	1.70		51093.99	5155.43	1015.8	<0.02	23.	M	M	M	M	0.	0.00	CC	414.3-425.3m Andal-biot Sch. Andal f.g. (1mm) even at contact. Compositional bnding shown by bio rich bnds. Tr Po present as wispy dissem + in Schistosity. Alm completely absent. Py paint on fracts. 414.3-415.3m graph present, becoming wkr.

MOON-Moongarrie (MLS8)-GMD398

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
714867	416.00	419.00	3.00		51094.06	5156.35	1014.4	<0.02	32.	M	M	M	M	0.	0.00	SCAN	414.3-425.3m Andal-biot Sch. Andal f.g. (1mm) even at contact. Compositional bnding shown by bio rich bnds. Tr Po present as wispy dissem + in Schistosity. Alm completely absent. Py paint on fracts. Calc sil bnds @ 417.1m (shrd with diopside, tr spessartite + tr Po). 418.7m (thin, with diopside + Po)
714868	419.00	422.00	3.00		51094.19	5157.97	1011.8	<0.02	48.	M	M	M	M	0.	0.00	SCAN	414.3-425.3m Andal-biot Sch. Andal f.g. (1mm) even at contact. Compositional bnding shown by bio rich bnds. Tr Po present as wispy dissem + in Schistosity. Alm completely absent. Py paint on fracts. Calc sil bnd @ 419.8m (with diopside + Po)
714869	422.00	425.30	3.30		51094.33	5159.60	1009.3	<0.02	35.	M	M	M	M	0.	0.00	SCAN	414.3-425.3m Andal-biot Sch. Andal f.g. (1mm) even at contact. Compositional bnding shown by bio rich bnds. Tr Po present as wispy dissem + in Schistosity. Alm completely absent. Py paint on fracts. E.O.H.

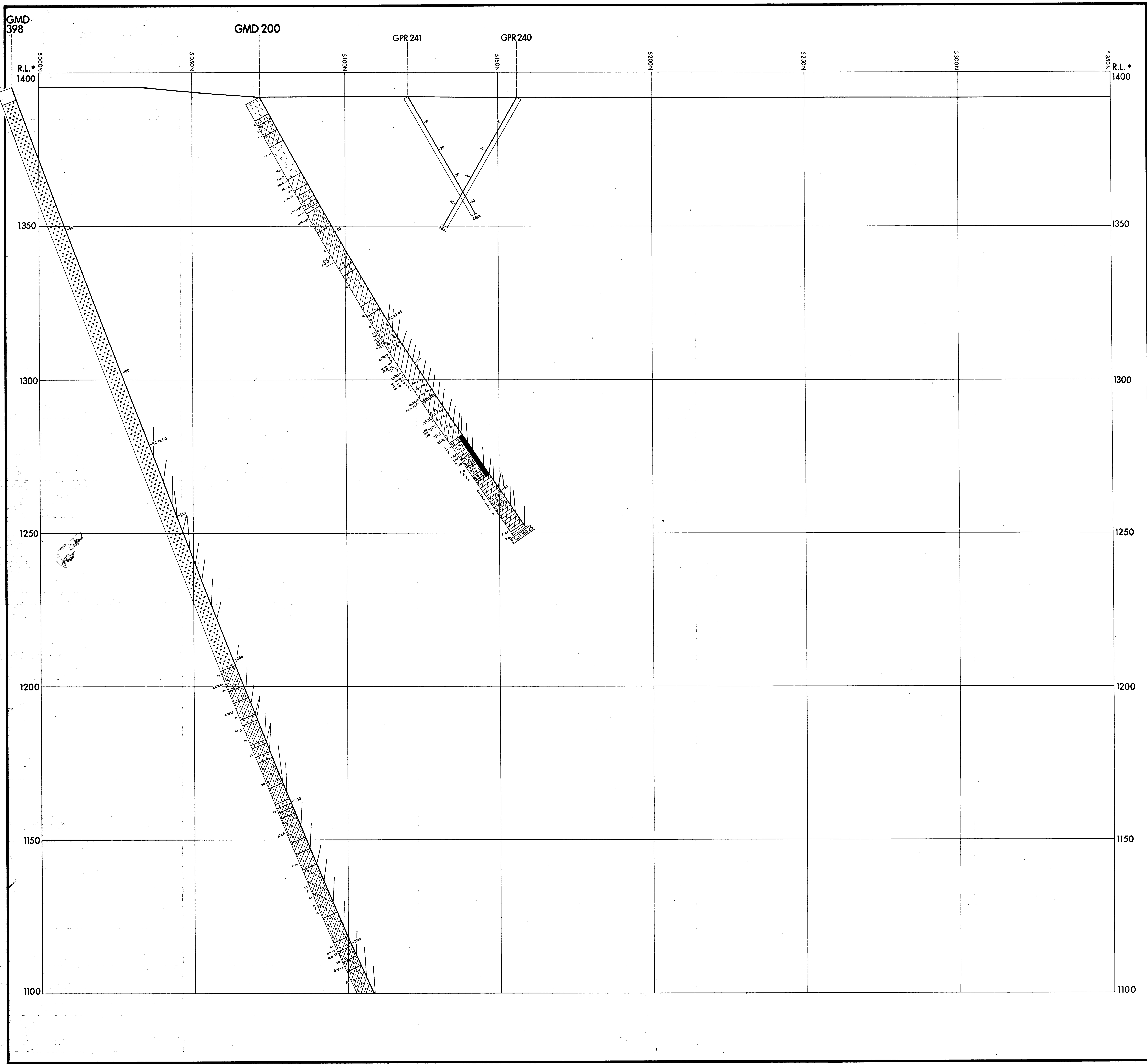
MOON-Moongarrie (ML58)-GMD399

TYPE : DDH   LOCAL EAST : 51401.66 E NORTH : 5027.80 N   AMG EAST : 637714.22 E NORTH : 7727644.26 N   RL : 1395.24   DATE START : 27/09/97 COMP : 11/10/97   DATE PCORE : 29/09/97 CORE : 10/10/97   DEPTH PCORE : 108.10 DEPTH TOTAL : 158.80   TOP AZI : 34.00 TOP DEC : -60.50

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
446701	0.00	4.00	4.00		51401.66	5027.80	1395.2	<0.02	M	M	M	M	M	0.	0.00	PC	Red soil with ferrug frags
446702	4.00	6.00	2.00		51401.59	5029.76	1391.7	<0.02	M	M	M	M	M	0.	0.00	RC	Dk brn m.g. fol fspar-q Sch with lim
446703	6.00	8.00	2.00		51401.56	5030.75	1390.0	<0.02	M	M	M	M	M	0.	0.00	RC	Red brn, ms, m.g. lim q-fspar Sch
446704	8.00	10.00	2.00		51401.53	5031.73	1388.2	<0.02	M	M	M	M	M	0.	0.00	RC	Red brn, ms, m.g. lim q-fspar Sch
446705	10.00	12.00	2.00		51401.51	5032.72	1386.5	<0.02	M	M	M	M	M	0.	0.00	RC	Lt brn m.g. lim, fol mica-fspar-q Sch
446706	12.00	14.00	2.00		51401.50	5033.71	1384.7	0.02	M	M	M	M	M	0.02	0.04	RC	Brn grn f.g. ms bnded, lim, q-fspar Sch
446707	14.00	16.00	2.00		51401.48	5034.70	1383.0	<0.02	M	M	M	M	M	0.	0.00	RC	Red brn f.g. lim mica-q-fspar Sch
446708	16.00	18.00	2.00		51401.48	5035.69	1381.3	<0.02	M	M	M	M	M	0.	0.00	RC	Ple grn f.g. cly after amph Sch?
446709	18.00	20.00	2.00		51401.48	5036.68	1379.5	<0.02	M	M	M	M	M	0.	0.00	RC	Ple grn f.g. bio-fspar Sch (with cly after calc sil?)
446710	20.00	22.00	2.00		51401.47	5037.67	1377.8	0.02	M	M	M	M	M	0.02	0.04	RC	Ple grn f.g. bio-fspar Sch (with cly after calc sil?)
446711	22.00	24.00	2.00		51401.46	5038.67	1376.1	0.02	M	M	M	M	M	0.02	0.04	RC	Ple grn f.g. bio-fspar Sch (with cly after calc sil?)
446712	24.00	26.00	2.00		51401.44	5039.66	1374.3	0.04	M	M	M	M	M	0.04	0.08	RC	Ple grn f.g. bio-fspar Sch, with lim, cly + wthrd calc sil
446713	26.00	28.00	2.00		51401.42	5040.66	1372.6	<0.02	M	M	M	M	M	0.	0.00	RC	Ple grn f.g. bio-fspar Sch, with lim, cly + wthrd calc sil +/-MgO
446714	28.00	30.00	2.00		51401.39	5041.66	1370.9	0.02	M	M	M	M	M	0.02	0.04	RC	Ple grn f.g. bio-fspar Sch, with lim, cly + wthrd calc sil +/-MgO
446715	30.00	32.00	2.00		51401.39	5042.65	1369.1	<0.02	M	M	M	M	M	0.	0.00	RC	Gry grn, f.g. shrd bio-fspar Sch + wthrd calc sil?
446716	32.00	34.00	2.00		51401.43	5043.65	1367.4	0.02	M	M	M	M	M	0.02	0.04	RC	Gry grn, f.g. shrd bio-fspar Sch + wthrd calc sil?
446717	34.00	36.00	2.00		51401.47	5044.66	1365.7	<0.02	M	M	M	M	M	0.	0.00	RC	Lt brn f.g. fol bio-fpsar Sch with lim +/-wthrd calc sil
446718	36.00	38.00	2.00		51401.51	5045.66	1363.9	0.02	M	M	M	M	M	0.02	0.04	RC	Gry brn f.g. fol bio-fpsar Sch with lim + mag
446719	38.00	40.00	2.00		51401.56	5046.66	1362.2	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry f.g. bio-fpsar Sch with mag
446720	40.00	42.00	2.00		51401.61	5047.67	1360.5	0.10	M	M	M	M	M	0.1	0.20	RC	Lt gry f.g. bio-fpsar Sch with mag
446721	42.00	44.00	2.00		51401.66	5048.68	1358.8	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. bio-fpsar Sch
446722	44.00	46.00	2.00		51401.71	5049.69	1357.0	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. bio-fpsar Sch +/-calc sil?
446723	46.00	48.00	2.00		51401.76	5050.70	1355.3	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. bio-fpsar Sch +/-calc sil?
446724	48.00	50.00	2.00		51401.82	5051.71	1353.6	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. bio-fpsar Sch with mag
446725	50.00	52.00	2.00		51401.87	5052.73	1351.9	<0.02	M	M	M	M	M	0.	0.00	RC	Lt gry m.g. bio-fpsar Sch with mag
446726	52.00	54.00	2.00		51401.93	5053.74	1350.1	0.02	M	M	M	M	M	0.02	0.04	RC	Lt gry m.g. bio-fpsar Sch with mag
446727	54.00	56.00	2.00		51402.00	5054.76	1348.4	<0.02	M	M	M	M	M	0.	0.00	RC	Gry f.g. bio-fspar Sch with mag
446728	56.00	58.00	2.00		51402.06	5055.78	1346.7	0.02	M	M	M	M	M	0.02	0.04	RC	Gry m.g. bio-fspar Sch with mag
446729	58.00	60.00	2.00		51402.13	5056.80	1345.0	0.03	M	M	M	M	M	0.03	0.06	RC	Gry m.g. bio-fspar Sch with mag 446730 = Std. AU(329) 1.65
446731	60.00	62.00	2.00		51402.19	5057.82	1343.3	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch with mag
446732	62.00	64.00	2.00		51402.26	5058.84	1341.5	0.02	M	M	M	M	M	0.02	0.04	RC	Gry m.g. bio-fspar Sch with mag
446733	64.00	66.00	2.00		51402.34	5059.87	1339.8	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch with calc sil (5%) + mag
446734	66.00	68.00	2.00		51402.41	5060.90	1338.1	0.03	M	M	M	M	M	0.03	0.06	RC	Gry m.g. bio-fspar Sch with mag
446735	68.00	70.00	2.00		51402.49	5061.93	1336.4	0.03	M	M	M	M	M	0.03	0.06	RC	Gry m.g. bio-fspar Sch with mag
446736	70.00	72.00	2.00		51402.59	5062.98	1334.7	0.04	M	M	M	M	M	0.04	0.08	RC	Gry m.g. bio-fspar Sch with mag
446737	72.00	74.00	2.00		51402.71	5064.05	1333.0	0.04	M	M	M	M	M	0.04	0.08	RC	Gry m.g. bio-fspar Sch with mag
446738	74.00	76.00	2.00		51402.84	5065.13	1331.3	0.05	M	M	M	M	M	0.05	0.10	RC	Gry m.g. bio-fspar Sch with mag
446739	76.00	78.00	2.00		51402.99	5066.22	1329.7	0.05	M	M	M	M	M	0.05	0.10	RC	Gry m.g. bio-ser-fspar Sch with mag
446740	78.00	80.00	2.00		51403.15	5067.33	1328.0	0.06	M	M	M	M	M	0.06	0.12	RC	Gry m.g. bio-ser-fspar Sch with mag
446741	80.00	82.00	2.00		51403.33	5068.45	1326.4	0.02	M	M	M	M	M	0.02	0.04	RC	Gry m.g. bio-fspar Sch with mag
446742	82.00	84.00	2.00		51403.54	5069.58	1324.7	0.02	M	M	M	M	M	0.02	0.04	RC	Gry m.g. bio-fspar Sch with mag
446743	84.00	86.00	2.00		51403.75	5070.73	1323.1	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch with mag
446744	86.00	88.00	2.00		51403.99	5071.89	1321.5	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch with calc sil + mag
446745	88.00	90.00	2.00		51404.24	5073.06	1319.9	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch +/-calc sil + mag
446746	90.00	92.00	2.00		51404.50	5074.24	1318.3	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch + calc sil + mag
446747	92.00	94.00	2.00		51404.77	5075.44	1316.7	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar-andal Sch + mag
446748	94.00	96.00	2.00		51405.06	5076.64	1315.1	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch + mag + tr calc sil
446749	96.00	98.00	2.00		51405.36	5077.85	1313.6	0.02	M	M	M	M	M	0.02	0.04	RC	Gry m.g. bio-fspar Sch + mag + calc sil bnds
446750	98.00	100.00	2.00		51405.67	5079.08	1312.0	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch +/-calc sil + mag
446751	100.00	102.00	2.00		51405.97	5080.32	1310.5	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch + mag + calc sil
446752	102.00	104.00	2.00		51406.26	5081.58	1309.0	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch + mag + calc sil
446753	104.00	106.00	2.00		51406.55	5082.84	1307.4	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch + mag
446754	106.00	108.10	2.10		51406.84	5084.12	1305.9	<0.02	M	M	M	M	M	0.	0.00	RC	Gry m.g. bio-fspar Sch +/-calc sil + mag. E.O.P.C.
714870	108.10	111.00	2.90		51407.13	5085.48	1304.4	<0.02	10.	M	M	M	M	0.	0.00	SCAN	108.1-109.5m m.g. andal-bio Sch with no alm. V.thin silty bnds. 109.5-115.9m f.g. ms siliceous hbl-bio Sch with mnr bnds of pelite cont. andal but without significant alm. Calc sil bnds @ 109.6m (epidote + hbl)
714871	111.00	114.00	3.00		51407.52	5087.38	1302.2	<0.02	17.	M	M	M	M	0.	0.00	SCAN	109.5-115.9m f.g. ms siliceous hbl-bio Sch with mnr bnds of pelite cont. andal but without significant alm.
714872	114.00	117.00	3.00		51407.90	5089.37	1300.0	<0.02	11.	M	M	M	M	0.	0.00	SCAN	109.5-115.9m f.g. ms siliceous hbl-bio Sch with mnr bnds of pelite cont. andal but without significant alm. Calc sil bnds @ 114.7m (epidote) 115.9-122.8m f.g. ms siliceous hbl-bio Sch with mnr bnds of pelite which cont. alm instead of andal. Calc sil bnds @ 116.8m (epidote)
714873	117.00	120.00	3.00		51408.28	5091.39	1297.8	<0.02	11.	M	M	M	M	0.	0.00	SCAN	115.9-122.8m f.g. ms siliceous hbl-bio Sch with mnr bnds of pelite which cont. alm instead of andal. 118.3-118.5 breccia
714874	120.00	123.00	3.00		51408.64	5093.43	1295.6	<0.02	12.	M	M	M	M	0.	0.00	SCAN	115.9-122.8m f.g. ms siliceous hbl-bio Sch with mnr bnds of pelite which cont. alm instead of andal. Calc sil bnds @ 120.6m (epidote)

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
																	122.8-126.4m f.g. ms siliceous hbl-bio Sch with mnr bnds pelite cont. andal instead of alm.
714875	123.00	126.00	3.00		51409.00	5095.46	1293.5	0.04	12.	M	M	M	M	0.04	0.12	SCAN	122.8-126.4m f.g. ms siliceous hbl-bio Sch with mnr bnds pelite cont. andal instead of alm. 123.1m calc sil bnd with epidote + hbl
714876	126.00	129.00	3.00		51409.36	5097.51	1291.3	<0.02	13.	M	M	M	M	0.	0.00	SCAN	122.8-126.4m f.g. ms siliceous hbl-bio Sch with mnr bnds pelite cont. andal instead of alm. 126.4-130.8m m.g. andal-bio Sch with andal to 1mm + alm absent. Thin discreet silty bnds. Calc sil bnds @ 128.2 (spessartite + epidote)
714877	129.00	130.00	1.00		51409.72	5099.56	1289.1	0.05	14.	M	M	M	M	0.05	0.05	SCAN	126.4-130.8m m.g. andal-bio Sch with andal to 1mm + alm absent. Calc sil bnds @ 129.7m (spessartite amph). Thin discreet silty bnds.
714878	130.00	130.80	0.80		51409.83	5100.24	1288.4	<0.02	15.	M	M	M	M	0.	0.00	CC	126.4-130.8m m.g. andal-bio Sch with andal to 1mm + alm absent. Thin discreet silty bnds. 130.6-130.8m alm-bio unit present at contact with host unit.
714879	130.80	131.20	0.40		51409.93	5100.79	1287.8	0.03	15.	M	M	M	M	0.03	0.01	CC	130.8-132.7m C Lode - 130.8-131.7m Lam mag rich HU with v.mnr gar (130.8-131.1m much folded)
714880	131.20	131.70	0.50		51409.97	5101.06	1287.6	<0.02	13.	M	M	M	M	0.	0.00	CC	130.8-132.7m C Lode - 130.8-131.7m Lam mag rich HU with v.mnr gar
714881	131.70	132.20	0.50		51410.03	5101.40	1287.2	0.03	19.	M	M	M	M	0.03	0.01	CC	130.8-132.7m C Lode 131.7-132.7m bnded hbl-alm Sch with mag to 132.2m
714882	132.20	132.70	0.50		51410.09	5101.75	1286.8	<0.02	12.	M	M	M	M	0.	0.00	CC	130.8-132.7m C Lode 131.7-132.7m bnded hbl-alm Sch with mag to 132.2m
714883	132.70	133.20	0.50		51410.15	5102.09	1286.5	0.03	12.	M	M	M	M	0.03	0.01	CC	132.7-135.4m Biot marker - f.g. bnded alm-bio unit.
714884	133.20	133.70	0.50		51410.21	5102.43	1286.1	<0.02	9.	M	M	M	M	0.	0.00	CC	132.7-135.4m Biot marker - f.g. bnded alm-bio unit.
714885	133.70	134.20	0.50		51410.27	5102.77	1285.8	<0.02	19.	M	M	M	M	0.	0.00	CC	132.7-135.4m Biot marker - f.g. bnded alm-bio unit.
714886	134.20	134.70	0.50		51410.33	5103.11	1285.4	<0.02	17.	M	M	M	M	0.	0.00	CC	132.7-135.4m Biot marker - f.g. bnded alm-bio unit.
714887	134.70	135.40	0.70		51410.38	5103.46	1285.0	<0.02	10.	M	M	M	M	0.	0.00	CC	132.7-135.4m Biot marker - f.g. bnded alm-bio unit.
714888	135.40	136.10	0.70		51410.46	5103.94	1284.5	<0.02	15.	M	M	M	M	0.	0.00	CC	135.4-137.4m B Lode - 135.4-136.1m Bnded alm-hbl Sch
714889	136.10	136.40	0.30		51410.55	5104.42	1284.0	<0.02	6.	M	M	M	M	0.	0.00	CC	135.4-137.4m B Lode - 136.1-137.4m v.lam mag-amph-gross unit 136.1-137.0m max mag
714890	136.40	137.00	0.60		51410.58	5104.62	1283.8	<0.02	<5	M	M	M	M	0.	0.00	CC	135.4-137.4m B Lode - 136.1-137.4m v.lam mag-amph-gross unit 136.1-137.0m max mag
714891	137.00	137.40	0.40		51410.65	5105.03	1283.4	0.25	7.	M	M	M	M	0.25	0.10	CC	135.4-137.4m B Lode - 136.1-137.4m v.lam mag-amph-gross unit
714892	137.40	138.00	0.60		51410.70	5105.31	1283.1	0.17	8.	M	M	M	M	0.17	0.10	CC	137.4-138.0m MAC - ms bnded alm-cummingtonite
714893	138.00	138.50	0.50		51410.77	5105.72	1282.7	0.03	<5	M	M	M	M	0.03	0.01	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph.
714894	138.50	139.00	0.50		51410.82	5106.06	1282.3	<0.02	10.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph.
714895	139.00	139.50	0.50		51410.88	5106.40	1281.9	<0.02	6.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 139.2-139.9m lam mag rich unit.
714896	139.50	140.10	0.60		51410.94	5106.74	1281.6	<0.02	10.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 139.2-139.9m lam mag rich unit. 139.5-142.6m gash vns + bnds of q throughout unit.
714897	140.10	140.60	0.50		51411.01	5107.16	1281.1	<0.02	51.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 140.5-140.7m incl of graph HW Sch with large alm garnets + mag on lower contact. 139.5-142.6m gash vns + bnds of q throughout unit.
714898	140.60	141.10	0.50		51411.07	5107.50	1280.8	<0.02	20.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 140.5-140.7m incl of graph HW Sch with large alm garnets + mag on lower contact. 139.5-142.6m gash vns + bnds of q throughout unit.
714899	141.10	141.60	0.50		51411.12	5107.84	1280.4	<0.02	10.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 139.5-142.6m gash vns + bnds of q throughout unit.
714900	141.60	142.10	0.50		51411.18	5108.18	1280.1	<0.02	25.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 139.5-142.6m gash vns + bnds of q throughout unit.
714901	142.10	142.60	0.50		51411.24	5108.53	1279.7	<0.02	13.	M	M	M	M	0.	0.00	CC	138.0-142.6m A Lode - Lam/bnded gross garnet + amph. V.little sulph. 139.5-142.6m gash vns + bnds of q throughout unit 142.6 1cm wide q/carb vn with Po tr at contact
714902	142.60	143.60	1.00		51411.30	5108.87	1279.3	<0.02	25.	M	M	M	M	0.	0.00	CC	142.6-143.6m HW unit - Bio-alm Sch with small aml garnets + graph becoming sparser. Alm substitutes for andal.
714903	143.60	146.00	2.40		51411.41	5109.55	1278.6	<0.02	19.	M	M	M	M	0.	0.00	SCAN	143.6-158.8m Andal-bio Sch. Andal to 1mm + absent in bio rich compositional bnds. Tr Po dissem, in Schistosity and in vns. Alm is absent.
714904	146.00	149.00	3.00		51411.68	5111.20	1276.9	<0.02	33.	M	M	M	M	0.	0.00	SCAN	143.6-158.8m Andal-bio Sch. Andal to 1mm + absent in bio rich compositional bnds. Tr Po dissem, in Schistosity and in vns. Alm is absent.
714905	149.00	152.00	3.00		51412.03	5113.25	1274.7	<0.02	77.	M	M	M	M	0.	0.00	SCAN	143.6-158.8m Andal-bio Sch. Andal to 1mm + absent in bio rich compositional bnds. Tr Po dissem, in Schistosity and in vns. Alm is absent. Calc sil bnd @ 149.8? 150.5-150.8m basic intr dyke f.g. concordant contacts (roughly) @ 45 deg to core axis.
714906	152.00	155.00	3.00		51412.36	5115.31	1272.6	<0.02	25.	M	M	M	M	0.	0.00	SCAN	143.6-158.8m Andal-bio Sch. Andal to 1mm + absent in bio rich

SAMPLE CODE	DEPTH FROM	DEPTH TO	LEN	VIS AU	LOCAL EASTING	LOCAL NORTHING	RL	329 AU PPM	115 AS PPM					AUC	L*GR	SAMP TYPE	COMMENTS
																	compositional bnds. Tr Po dissem, in Schistosity and in vns. Alm is absent.
714907	155.00	158.80	3.80		51412.70	5117.37	1270.4	<0.02	17.	M	M	M	M	0.	0.00	SCAN	143.6-158.8m Andal-bio Sch. Andal to 1mm + absent in bio rich compositional bnds. Tr Po dissem, in Schistosity and in vns. Alm is absent. Calc sil bnd @ 156.5m (with q) E.O.H.



GEOLOGICAL LEGEND

LITHOLOGY LEGEND

1. Ferromagnesian Series
   - examples -
   - Hornblende - biotite schist
   - Hornblende - biotite - almandine schist
   - Hornblende - anthophyllite - biotite schist
   - Hornblende - albite - biotite schist
   - Hornblende - cummingtonite schist
   - Calc silicate rocks (according to lithology)
   - Hornblende - graphite schist
2. Non - amphibolitic Series (quartzose, alumino silicate and most graphitic lithologies)
   - examples -
   - Quartz - biotite schist
   - Andalusite - biotite schist
   - Cordierite - biotite schist
   - Graphite - andalusite schist
   - Graphite - cordierite schist
   - Biotite - graphite - andalusite schist
3. Mono - mineralic Rocks
   - Graphite schist
   - Undifferentiated oxidised sericite schist
   - Carbonate layer / vein
   - Quartz chert layer (excluding quartz vein)
4. Host Unit (Subdivide by mineralogical or rocktype qualifiers)
   - examples -
   - Banded hornblende - almandine schist (calc silicates)
   - Quartz - carbonate zone
   - Ribbon banded qtz - carbonate / calc - silicates amphibole schists
   - Dark green banded amphibole schist. Minor qtz - carbonate / calc - silicate bands
   - Hornblende - almandine - biotite schist
   - Hornblende - almandine schist
   - Banded pyrrhotite (± pyrite, magnetite) -rich amphibole schist, thin chert bands
   - Undifferentiated Host Unit
5. Igneous Rocks
   - Pegmatite , granite
   - Basic suite - basalt, dolerite, gabbro
   - Intermediate suite - andesite, diorite
6. Metasediments
   - Quartz - sericite schist (meta - siltstone, greywacke)
   - Quartzite
   - Chert, BIF

MINERAL SYMBOLS

- Undifferentiated amphibole
- Hornblende
- Cummingtonite
- Anthophyllite
- Clinopyroxene
- Undifferentiated garnet
- Almandine
- Grossular
- Magnetite
- Limonite
- Pyrite
- Pyrrhotite
- Arsenopyrite
- Chalcopyrite
- Gold
- Scheelite
- Albite
- Andalusite , chiastolite
- Cordierite
- Biotite
- Graphite
- Sericite
- Carbonate
- Chert bed, lamina
- Chert banding , lenses
- Vein quartz
- Calc silicate
- Tourmaline

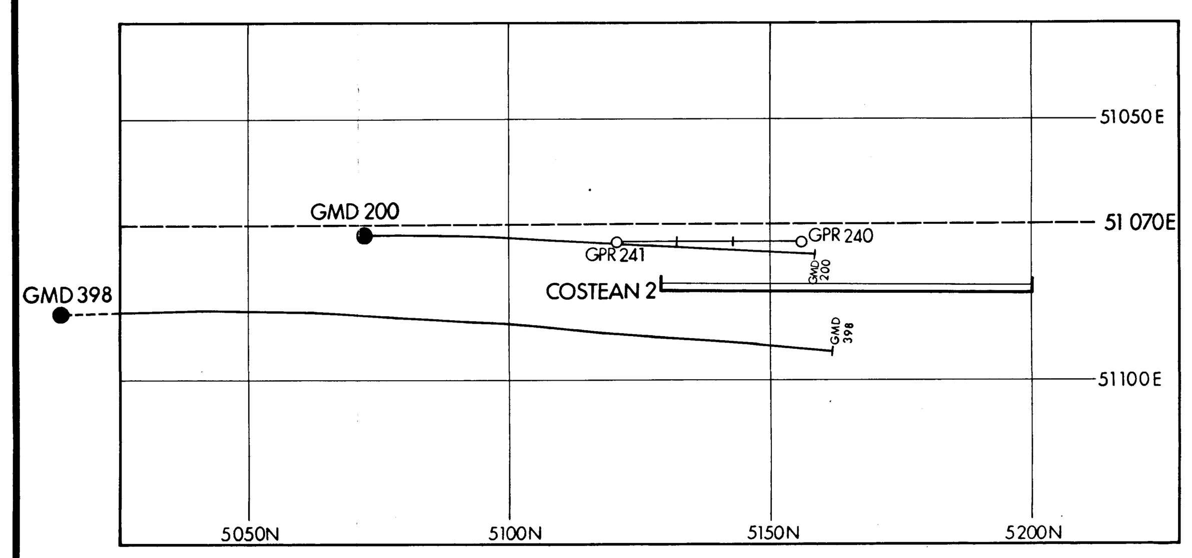
STRUCTURAL SYMBOLS

- Core to bedding angle
- Folding
- Breccia
- Broken core

TEXTURE

f.g. Fine grained
m.g. Med. grained
c.g. Coarse grained

DRILL HOLE LOCATION-1:1000



SCALE 1:500

metres 25 0 25 50 metres

• R.L.1400 Based on Australian Height Datum plus 1000 metres
Co-ordinates shown in Drill Hole Location Plan based on N.F.M. Mine Grids

NFM
NORTH FLINDERS MINES LIMITED

THE GRANITES: NORTHERN TERRITORY

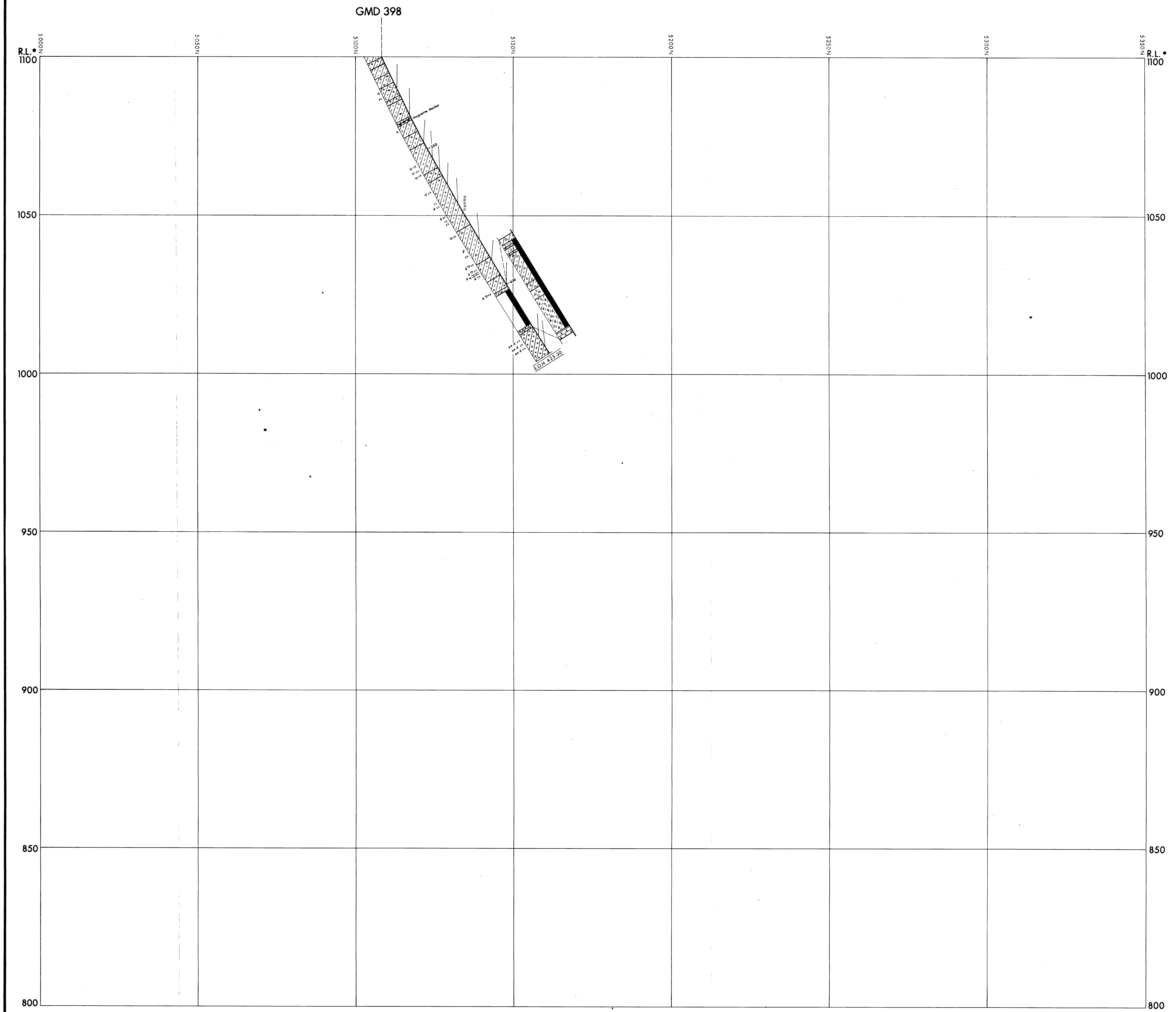
MOONGARRIE

CROSS SECTION ALONG 51070E
HOLE Nos GMD 200,398
GPR 240,241

Showing Detailed Geology

DATA BY	N.F.M. - R.J.W.	4/88
DRAWN	CARTOGRAPHICS	4/88
CHECKED		
APPROVED		
AMENDED	A 11/97 CG	

SCALE 1:500 | SHEET 1 of 2 | PREPARED by CARTOGRAPHICS | M 102G FIGURE 5



GEOLOGICAL LEGEND

LITHOLOGY LEGEND

1. Ferromagnesian Series
   - examples -
   - Hornblende - biotite schist
   - Hornblende biotite almandine schist
   - Hornblende - anthophyllite - biotite schist
   - Hornblende - albite - biotite schist
   - Hornblende - cummingtonite schist
   - Calc silicate rocks (according to lithology)
   - Hornblende - graphite schist
2. Non - amphibolitic Series (quartzose, alumino - silicate and most graphitic lithologies)
   - examples -
   - Quartz - biotite schist
   - Andalusite - biotite schist
   - Cordierite - biotite schist
   - Graphite - andalusite schist
   - Graphite - cordierite schist
   - Biotite - graphite - andalusite schist
3. Mono - mineralic Rocks
   - Graphite schist
   - Undifferentiated oxidised sericite schist
   - Carbonate layer / vein
   - Quartz chert layer (excluding quartz vein)
4. Host Unit (Subdivide by mineralogical or rocktype qualifiers)
   - examples -
   - Hangingwall Host Unit Undifferentiated
   - Main Host Unit
   - Banded hornblende - almandine schist (calc silicates)
   - Quartz - carbonate zone
   - Ribbon banded qtz - carbonate / calc - silicates amphibole schists
   - Dark green banded amphibole schist
   - Minor qtz - carbonate / calc - silicate bands
   - Hornblende - almandine - biotite schist
   - Hornblende - almandine schist
   - Banded pyrrhotite (± pyrite, magnetite) - rich amphibole schist, thin chert bands
   - Undifferentiated Host Unit
5. Igneous Rocks
   - Pegmatite - granite
   - Basic suite - basalt, dolerite, gabbro
   - Intermediate suite - andesite, dacite
6. Metasediments
   - Quartz - sericite schist (meta - siltstone, greywacke)
   - Quartzite
   - Chert BIF

MINERAL SYMBOLS

- Undifferentiated amphibole
- Hornblende
- Cummingtonite
- Anthophyllite
- Clinopyroxene
- Undifferentiated garnet
- Almandine
- Grossular
- Albite
- Andalusite, chiastolite
- Cordierite
- Biotite
- Graphite
- Sericite
- Carbonate
- Chert bed, lamina
- Chert banding, lenses
- Vein quartz
- Calc silicate
- Chlorite
- Au Gold
- A Arsenopyrite
- P Pyrite
- po Pyrrhotite
- cp Chalcopyrite
- W Scheelite
- F Fluorite
- T Tourmaline
- Magnetite
- ilm Ilmenite
- Limonite
- Fault Breccia, crush zone rock zone undifferentiated rock fragments
- cl Undifferentiated clay
- k Kaolin
- kspar Potassium rich feldspar

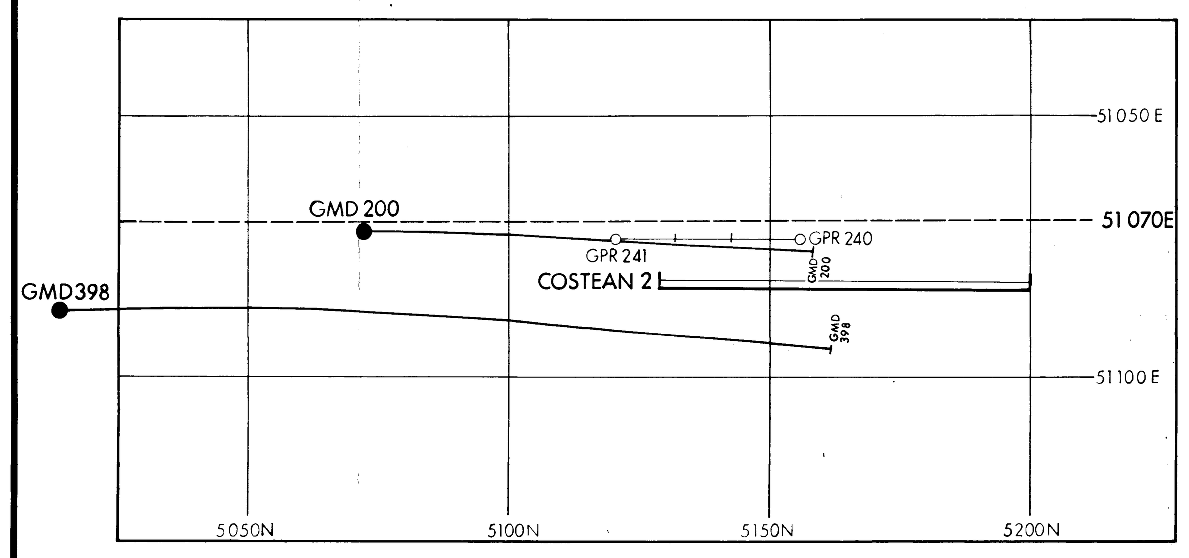
STRUCTURAL SYMBOLS

- Core to bedding angle
- Folding
- Breccia
- Broken core

TEXTURE

- f.g. Fine grained
- m.g. Med. grained
- c.g. Coarse grained

DRILL HOLE LOCATION-1:1000



SCALE 1:500

metres 25 0 25 50 metres

• R.L.1400 Based on Australian Height Datum plus 1000 metres

Co-ordinates shown in Drill Hole Location Plan based on N.F.M. Mine Grids

NFM
NORTH FLINDERS MINES LIMITED

DATA BY	D.A.	11/97
DRAWN	CARTOGRAPHICS	11/97
CHECKED		
APPROVED		
AMENDED		

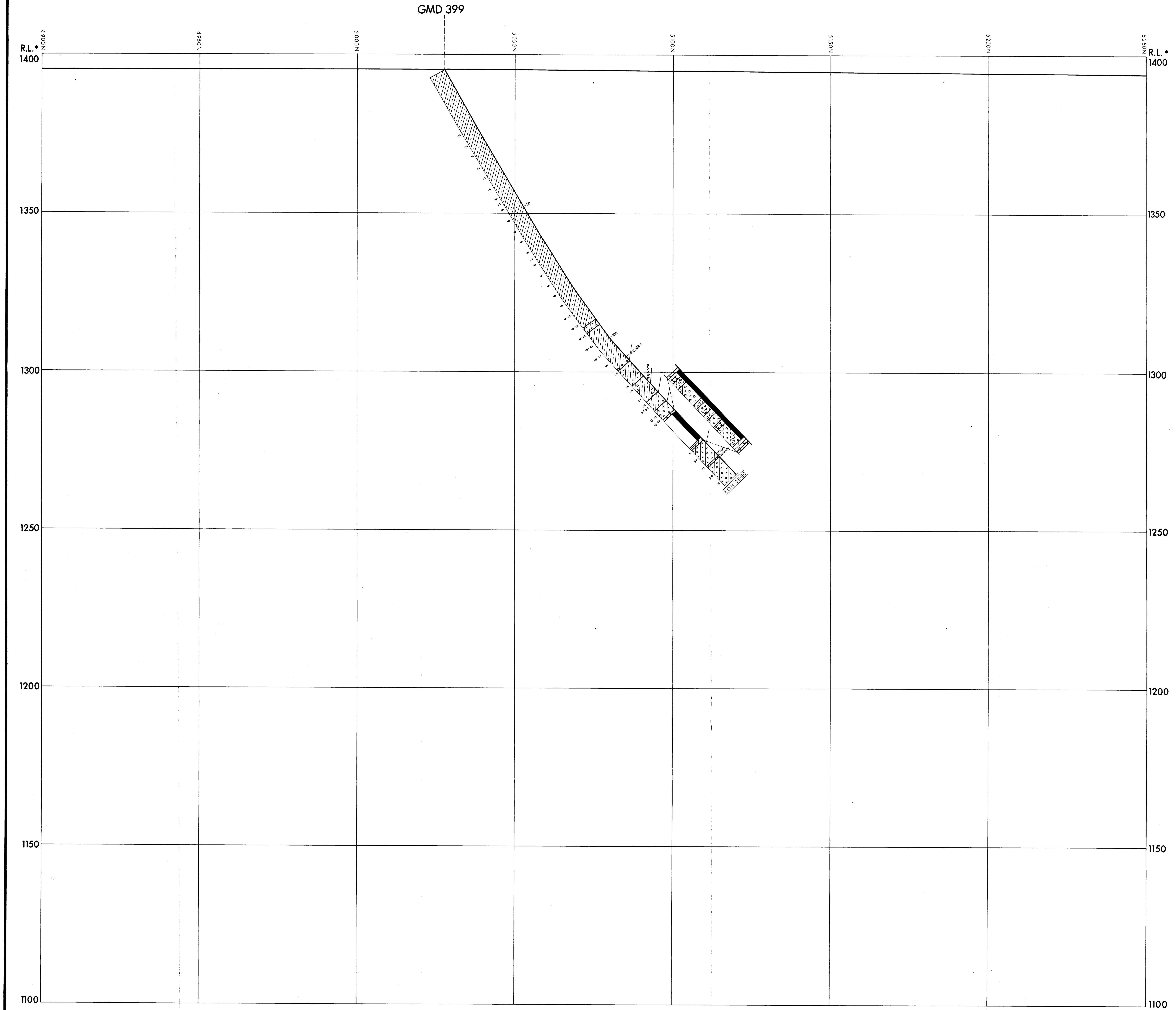
THE GRANITES: NORTHERN TERRITORY

MOONGARRIE

CROSS SECTION ALONG 51070E
HOLE Nos GMD 398

Showing Detailed Geology

SCALE 1:500 | SHEET 2 of 2 | PREPARED by CARTOGRAPHICS | M102G FIGURE 6



GEOLOGICAL LEGEND

LITHOLOGY LEGEND

1. Ferromagnesian Series
- examples -
Hornblende - biotite schist
Hornblende biotite almandine schist
Hornblende - anthophyllite - biotite schist
Hornblende - albite - biotite schist
Hornblende - cummingtonite schist
Calc silicate rocks (according to lithology)
Hornblende – graphite schist

2. Non - amphibolitic Series
(quartzose, alumino-silicate and most graphitic lithologies)
- examples -
Quartz - biotite schist
Andalusite - biotite schist
Cordierite - biotite schist
Graphite - andalusite schist
Graphite - cordierite schist
Biotite - graphite - andalusite schist

3. Mono-mineralic Rocks
Graphite schist
Undifferentiated oxidised sericite schist
Carbonate layer / vein
Quartz chert layer (excluding quartz vein)

4. Host Unit
(Subdivide by mineralogical or rocktype qualifiers)
- examples -
Hangingwall Host Unit : Undifferentiated
Main Host Unit
Banded hornblende - almandine schist (calc silicates)
Quartz - carbonate zone
Ribbon banded qtz - carbonate / calc - silicates amphibole schists
Dark green banded amphibole schist.
Minor qtz - carbonate / calc - silicate bands
Hornblende - almandine - biotite schist
Hornblende - almandine schist
Banded pyrrhotite (± pyrite, magnetite) -rich amphibole schist, thin chert bands
Undifferentiated Host Unit

5. Igneous Rocks
Pegmatite, granite
Basic suite - basalt, dolerite, gabbro
Intermediate suite - andesite, dacite

6. Metasediments
Quartz - sericite schist (meta - siltstone, greywacke)
Quartzite
Chert BIF

MINERAL SYMBOLS

Undifferentiated amphibole
Hornblende
Cummingtonite
Anthophyllite
Clinopyroxene
Undifferentiated garnet
Almandine
Grossular
Albite
Andalusite, chiastolite
Cordierite
Biotite
Graphite
Sericite
Carbonate
Chert bed, lamina
Chert banding, lenses
Vein quartz
Calc silicate
Chlorite
Gold
Arsenopyrite
Pyrite
Pyrrhotite
Chalcopyrite
Scheelite
Fluorite
Tourmaline
Magnetite
Ilmenite
Limonite
Fault Breccia, crush zone rock zone undifferentiated rock fragments
Undifferentiated clay
Kaolin
Potassium rich feldspar

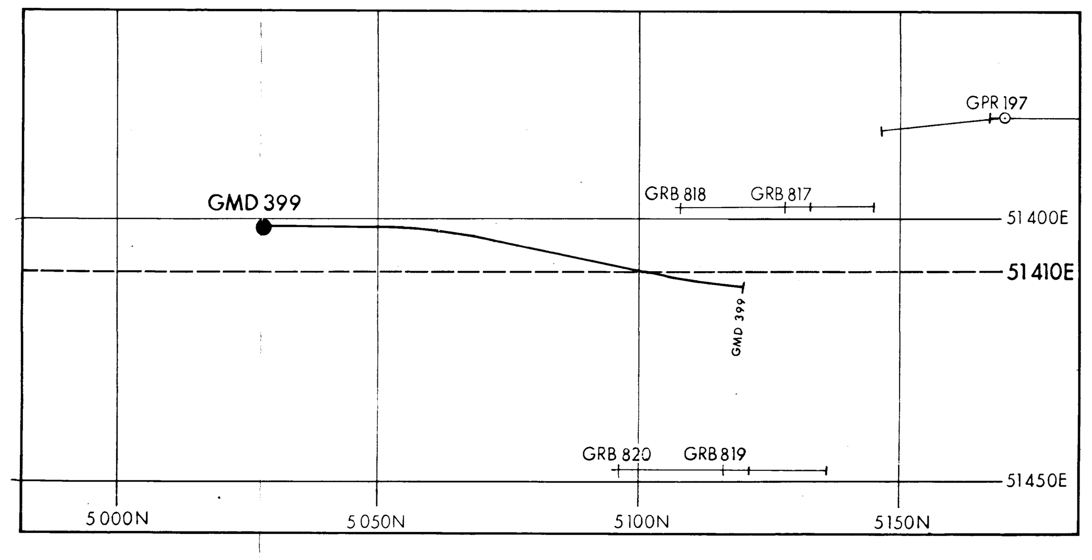
STRUCTURAL SYMBOLS

Core to bedding angle
Folding
Breccia
Broken core

TEXTURE

f.g. Fine grained
m.g. Med grained
c.g. Coarse grained

DRILL HOLE LOCATION-1:1000



SCALE 1:500

metres 25 0 25 50 metres

• R.L.1400 Based on Australian Height Datum plus 1000 metres
Co-ordinates shown in Drill Hole Location Plan based on N.F.M. Mine Grids

NORTH FLINDERS MINES LIMITED

DATA BY	D.A.	NOV 97
DRAWN	CARTOGRAPHICS	NOV 97
CHECKED		
APPROVED		
AMENDED		

THE GRANITES: NORTHERN TERRITORY

MOONGARRIE

CROSS SECTION ALONG 51410E
HOLE Nos GMD 399

Showing Detailed Geology

SCALE 1:500 | PREPARED by CARTOGRAPHICS | M105G FIGURE 7