MAGNUM GOLD N.L.
RELINQUISHMENT REPORT
MINERAL CLAIMS N217, N223 & N224
GROVE HILL, NORTHERN TERRITORY

MAPS:

Ban Ban	1:50,000	mining tenure sheet 14/3-III
McKinlay River	1:100,000	sheet 5271
Pine Creek	1:250,000	sheet SD52-8

PREPARED BY:
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ERA Report A/337

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1.0 SUMMARY

Mineral claims N217, N223 and N224 were located north of Grove Hill, approximately 160 kilometres south-east of Darwin. Basement rocks are almost wholly covered by alluvial sediments of the Margaret River and Yam Creek and by colluvial sand from low hills to the south. The provenance of the alluvium hosts significant gold mineralization, both primary and alluvial/eluvial (Yam Creek-"Priscilla Line", deposits of the Golden Dyke Dome etc) and the tenements were considered to have potential for both alluvial and primary gold mineralization.

Backhoe pitting of elevated terrace alluvium indicated that this material formed a thin veneer, generally less than 2 metres thick, and that gold grades were very low. RAB drilling on east-west lines encountered severe drilling problems in deep (greater than 10 metres) wet alluvium and no meaningful samples were returned. In areas of thinner cover bedrock samples were assayed for arsenic and gold. Although several anomalous assays were returned, no significant anomalous area was defined and the area was considered to have little potential for hosting economic primary gold mineralization.

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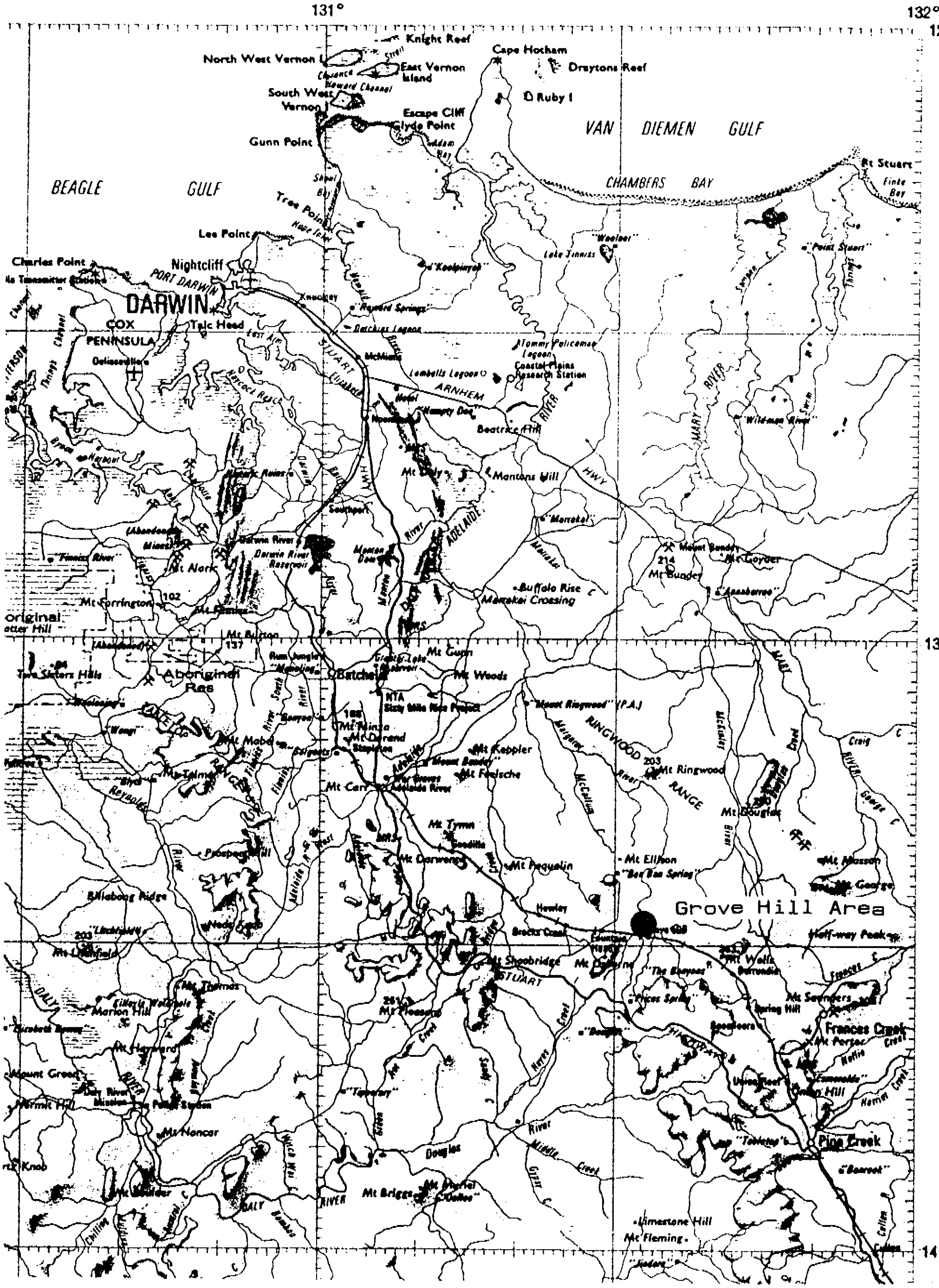


FIGURE 1 LOCATION MAP

0 10 20 30 40 50 Km

Scale 1:1,000,000

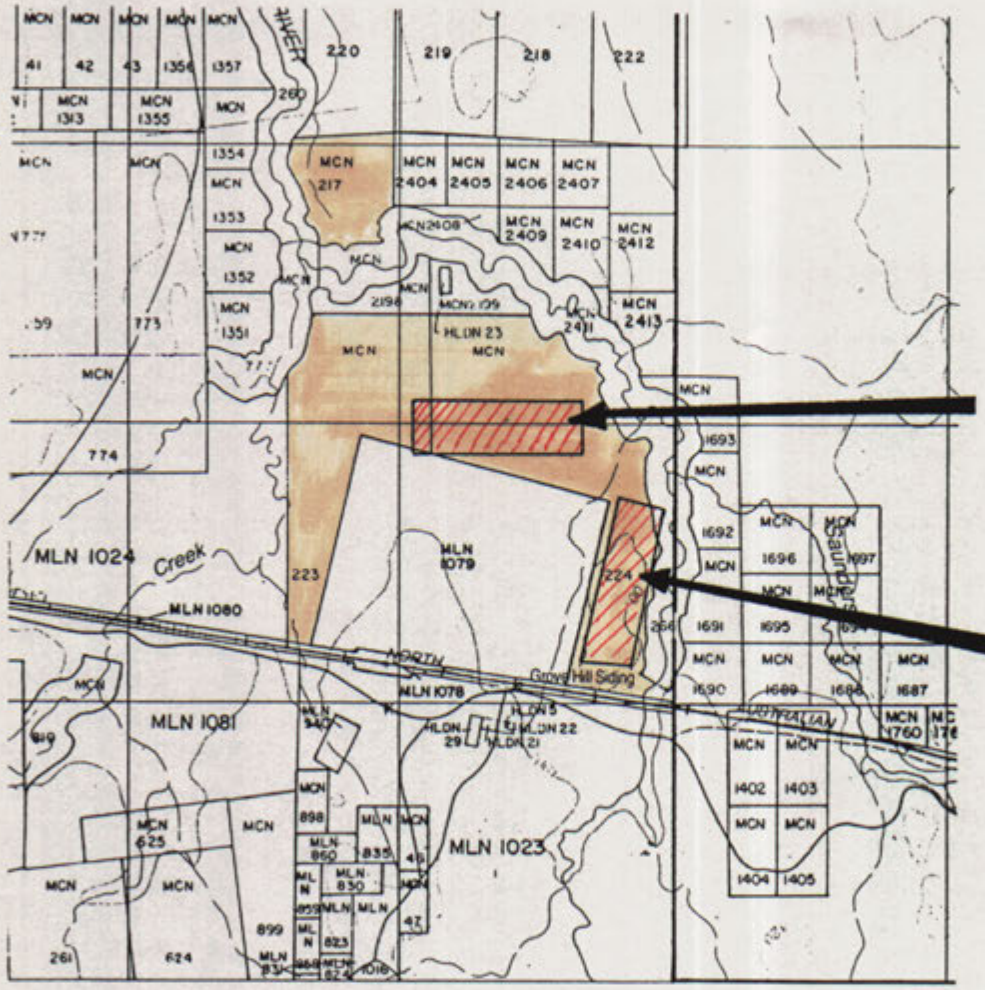
2.0 INTRODUCTION

Mineral claims N217, N223 and N224 lay adjacent to the Margaret River and Yam Creek, north of Grove Hill and approximately 160 kilometres south-east of Darwin (see Figure 1). The tenements were pegged in 1982 under the previous Mining Act as Dredging Claims but granted for a period of 10 years on 24 May 1983 as Mineral Claims under the Mining Act 1980. They were originally granted to Magnum Resources Limited but later transferred to Magnum Gold N.L.

The tenements formed part of a group of claims covering alluvium of the Margaret River flood plain and adjacent non-alluvial areas. Significant gold deposits, both primary and alluvial/eluvial, were worked in areas draining into the Margaret River and the flood plain alluvium was considered to have potential for hosting placer deposits. The northern parts of MCN223 and MCN224 were also considered to have potential for hosting northern extensions of the primary mineralization at Northpoint and Yam Creek.

FIGURE 2 TENEMENT MAP

from Ban Ban 14/3-III 1:50,000



3.0 EXPLORATION PROGRAM AND RESULTS

3.1 Mapping and Outcrop Sampling

Mapping indicated that outcrop was limited to a small area near the northern boundary of MCN224. Here an isolated knoll is composed of brecciated and quartz-veined massive sandstone and well bedded siltstone. The exposure is leached and silicified, with quartz veining carrying tourmaline but no indication of sulphides. A representative sample (number 2333) of breccia returned a gold assay of 0.02 ppm. Detailed mapping indicated a tight synclinal structure plunging at about 40° to the north-west.

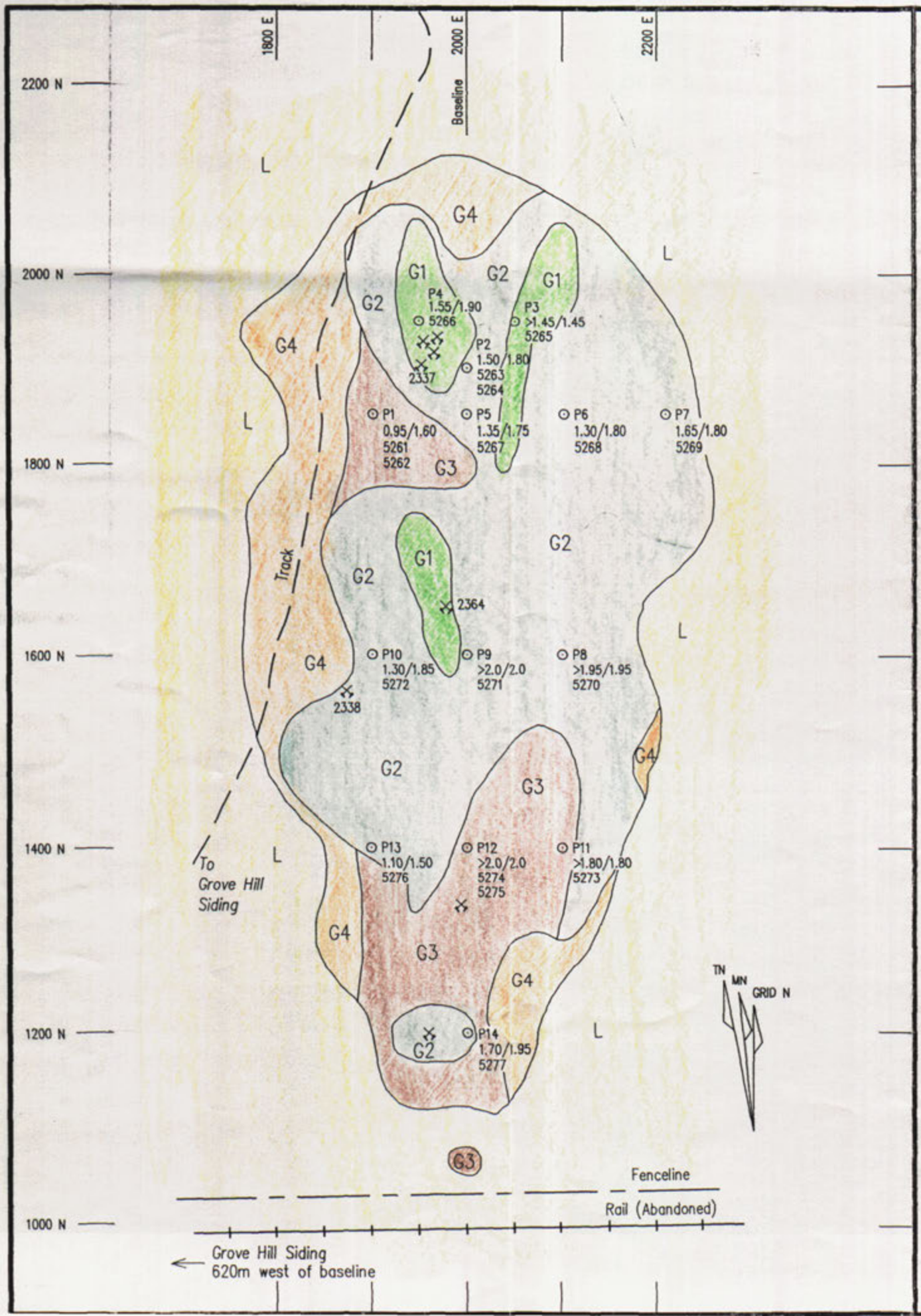
Sample 2334 is of leached and altered gossanous float from a rubbly rise east of sample 2333 and returned an assay of 0.15 ppm gold.

3.2 High Level Gravels MCN224

An area of high level gravels, remnant of the prior deposits of the Margaret River, occurs in the east of MCN224. Several old pits indicated previous prospecting activity on the gravels and gold traces could be panned from them. A backhoe pitting program was undertaken to determine the thickness of the gravels and assess gold content (see Figure 3 and Table 1).

Fourteen backhoe pits were dug to a maximum of two metres (depth limit of the machine). Of these, nine reached the base of the gravels at depths ranging from 0.95 to 1.70 metres. The remaining five were terminated in gravels, one at 1.45 metres due to the tight matrix and the others at 1.8 to 2.0 metres. The average depth of gravels is thus 1 to 2 metres indicating a total volume in the order of 50,000 bank cubic metres.

Samples in the order of 70 kilograms were taken from each pit and processed using a Knelson concentrator. The resulting concentrate was panned and examined for free gold (see Table 1). All samples showed gold traces, however the grade is estimated at below 0.1 grammes per cubic metre. In view of both the limited depth and low gold content no further work was undertaken on these gravels.



LEGEND

- G1 — Surface largely covered by gravels, including cobbles to >20cm diameter
- G2 — Sandy loam, abundant waterworn pebbles and cobbles
- G3 — Sandy loam with minor waterworn gravels
- G4 — Sandy loam with small diameter gravels and occasional cobbles
- L — Loam
- ⊙ P6 / 1.30/1.80 / 5268 — Pit No. / depth to base of gravels/TD / Sample No.
- ⤫ — Old prospecting pit

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MAGNUM RESOURCES LIMITED
GROVE HILL PROJECT, N.T.

High Level Gravels
MCN 224

SCALE 1:5000 — 0 100 200 300 METRES

FILE NAME: GRAVELS
AUTHOR: I. MILLIGAN

FIGURE 3

TABLE 1 BACKHOE PIT LOGS & SAMPLING

HIGH LEVEL GRAVELS — MCN224

Pit No. Location	Base	Thickness	Description	Sample No.	Mass Kg	Volume* m^3	Visible Gold in Concentrate No.x size of colours
1							
1900E 1850N	0.35	0.35	Sandy loam, pale yellow, with pisolitic laterite & quartz pebbles (<10m)				
	0.95	0.60	Gravel in lateritic clay matrix, mid red-brown; pebbles to cobbles (<100mm); quartz, carbonaceous siltstone, metachert, moderately well cemented	5261	69	0.048	3 x 0.25mm numerous <0.1mm (moderate amount other heavies)
	1.60 T.D.	0.65	Saprolite; ferruginous siltstone fragments; subrounded and lateritised; occasional quartz fragments; lateritic day matrix	5262	58	0.043	1 x 0.25mm, 2 x 0.1mm, 5 x <0.1mm (minor other heavies)
2							
2000E 1900N	0.25	0.25	Sandy loam with fine gravels & occasional large cobbles (to 350mm); mid brown		66	0.048	1 x 0.75mm, 1 x 0.4mm
	0.60	0.35	Gravel in loosely cemented gritty matrix; mid red-brown	5263/ 5264			3 x 0.1mm, several <0.1mm (minor other heavies)
	1.50	0.90	Cobbles to pebbles; moderately to well rounded; moderately well cemented in ferruginous matrix of finer pebbles & loamy sand. (Cobble lithologies - black silicified siltstone, carbonaceous metasiltstone, quartz)	duplicate samples	62	0.044	2 x 0.2mm, 3 <0.1mm (minor other heavies)
	1.80 T.D.	0.30	Clay, ferruginous; dark red and olive mottled; pisolitic laterite pebbles	NS			

NS - no sample * Volume of loose sample after excavation NOT bank cubic metres.

TABLE 1 [cont.]

Pit No.	Base	Thickness	Description	Sample No.	Mass Kg	Volume* m^3	Visible Gold in Concentrate No x size of colours
3							
2050E 1950N	0.35	0.35	Gravel; well rounded; to 100mm; in loose sandy loam matrix; pale brown	5265	72	0.050	4 x 0.25mm, 1 x 0.15mm 4 < 0.1mm (minor other heavies)
	1.45 T.D.	1.10	Gravel; rounded cobbles to 200mm; in tight ferruginous clay matrix; mottled yellow/red; too hard for backhoe penetration				
4							
1950E 1950N	0.40	0.40	Gravel; pebbles to well rounded cobbles to 150mm; in loose sandy loam matrix; pale brown	5266	71	0.048	1 x 0.8mm, 2 x 0.4mm 1 x 0.3mm, 1 x 0.1mm 5 <0.1mm (minor other heavies)
	1.55	1.15	Gravel; rounded cobbles to 200mm; in tight ferruginous clay matrix; mottled yellow/red				
	1.70	0.15	Clay; lateritic; mottled orange/grey				
	1.90 TD	0.20	Greywacke; weathered micaceous fragments in clay matrix; pale olive-brown	NS			
5							
2000E 1850N	0.35	0.35	Gravel; fine ferruginous pebbles & quartz; loose sandy matrix; pale grey-brown becoming red @ base	5267	82	0.058	6 x 0.25 - 0.50mm 10+ <0.1mm (few heavies)
	0.60	0.25	Gravel; similar to above; occasional cobbles; moderately light ferruginous matrix; red-brown				
	1.35	0.75	Gravel; coarse, well rounded cobbles to 200mm; moderately tight ferruginous sandy clay matrix; red-brown				
	1.75	0.40	Clay; pale green, mottled red; occasional fragments highly weathered & ferruginous, fine grained, micaceous greywacke @ base	NS			

TABLE 1 (cont:)

Pit No.	Base	Thickness	Description	Sample No.	Mass Kg	Volume* m^3	Visible Gold in Concentrate No x size of colours
6							
2100E 1850N	0.35	0.35	Gravel; rounded pebbles & cobbles to 100mm; loose sandy matrix; pale brown	5268	70	0.050	1 x 0.3mm, 10+ <0.1mm (minor other heavies)
	1.30	0.95	Gravel; well rounded clasts to 250mm; moderately tight ferruginous clay sand matrix; pale red-brown				
	1.60	0.30	Saprolite; highly ferruginised greywacke fragments in pale yellow/red mottled clay	N.S.			
	T.D.						
7							
2210E 1850N	0.35	0.35	Gravel; as top of pit 6				
	1.65	1.30	Gravel; well rounded clasts to 100mm; moderately tight ferruginous clay sand matrix; red-brown	5269	66	0.050	1 x 0.25mm, 4 < 0.1mm
	1.80	0.15	Clay; Khakhi, minor orange molting;				(few other heavies)
	T.D.		no remnant rock fragments	N.S.			
8							
2100E 1600N	0.40	0.40	Gravel; cobbles to 100mm; loose loamy sand matrix; pale yellow-brown; grades to				
	1.95	1.55	Gravel; cobbles to 200mm; moderately tight ferruginous clay sand matrix; mid red-brown; base not reached, depth limit of backhoe	5270	71	0.051	5 x 0.25mm 1 x 0.1mm 11 <0.1mm (moderate other heavies)
	T.D.						
9							
2000E 1600N	0.40	0.40	Gravel; as top of pit 8				
	2.00	1.60	Gravel; cobbles generally <100 mm, to 200mm; ferruginous gritty clay matrix becoming tighter with depth; depth limit of backhoe	5271	70	0.050	1 x 0.8mm (flake) 2 x 0.25mm 3 x 0.1mm 8 < 0.1mm (moderate other heavies)
	T.D.						

TABLE 1 [cont.]

Pit No.	Base	Thickness	Description	Sample No.	Mass Kg	Volume* m^3	Visible Gold in Concentrate No x size of colours
10							
1900E 1600N	0.35	0.35	Gravel; rounded clasts to 60mm; loose sandy loam matrix; pale brown	5272	71	0.047	1 x 0.25mm 3 x 0.1mm 5 x 0.1mm (minor other heavies)
	1.30	0.95	Gravel; rounded to sub-angular clasts to 100mm; moderately tight lateritic gritty clay matrix; pale red-brown				
	1.45	0.15	Clay; lateritic; mottled dark red/very pale green-grey	NS			
	1.85 T.D.	0.40	Saprolite; greywacke; extremely weathered; medium grained; quartz-lithic				
11							
2100E 1400N	0.45	0.45	Gravel; rounded clasts generally <20mm, occasionally to 60mm; loose sandy loam matrix; pale brown	5273	68	0.052	4 x 0.25 - 0.50 2 x 0.1 - 0.25 8+ <0.1mm (minor other heavies)
	1.80 T.D.	1.35	Gravel; rounded clasts generally <20mm, 5% in range 20-50mm, occasional cobbles to 200mm; tight lateritic gritty clay matrix; mid red-brown; too tight for backhoe to continue				

TABLE 1 [cont.]

Pit No.	Base	Thickness	Description	Sample No.	Mass Kg	Volume* m^3	Visible Gold in Concentrate No x size of colours
12							
2000E 1400N	0.35	0.35	Gravel; ferruginous pebbles & quartz generally <20mm, occasional well rounded cobbles to 100mm, rarely larger; loose loamy sand matrix; pale brown	5274	68	0.052	1 x 0.2mm 1 x 0.1mm no visible <0.1mm (minor other heavies)
	1.15	0.80	Gravel; subrounded/subangular quartz pebbles <10mm, occasional rounded clasts to 50mm; moderately hard lateritic matrix; pale red-brown				
	2.00 T.D.	0.85	Gravel; numerous rounded cobbles to 100mm, occasionally larger; lateritic matrix as above; depth limit of backhoe	5275	63	0.047	1 x 0.8mm 3 x 0.25 - 0.5mm 8 x 0.1 - 0.25mm 7 + <0.1mm (moderate other heavies)
13							
1900E 1400N	0.35	0.35	Gravel; polymict, angular to well rounded, generally <50mm, occasional cobbles to 200mm; loose loamy sand; pale brown	5276	75	0.050	6 x 0.1mm 11 <0.1mm (minor other heavies)
	1.10	0.75	Gravel; clasts as above, rarely >200mm; lateritic clayey grit matrix; pale red-brown				
	1.25	0.15	Clay; lateritic; mottled red/pale yellow-brown; minor laterite pebbles	N.S.			
	1.50 T.D.	0.25	Saprolite; highly ferruginous siltstone fragments; mottled orange/red/white				

TABLE 1 (cont.)

Pit No.	Base	Thickness	Description	Sample No.	Mass Kg	Volume* m^3	Visible Gold in Concentrate No x size of colours
14 2000E 1200N	0.40	0.40	Gravel; polymict, rounded, 90% <50mm, occasional cobbles to 150mm; loose sandy loam matrix; pale brown	5277	79	0.053	1 x 1mm 3 x 0.5 - 0.25mm 2 x 0.1 - 0.25 3 + <0.1mm (moderate other heavies)
	1.70	1.30	Gravel; rounded, up to 200mm; lateritic pebbly clay matrix; pale red-brown				
	1.95 T.D.	0.25	Clay ferruginous; mottled red/cream	N.S.			

3.3 RAB Drilling

A rotary air blast (RAB) drilling program of 48 holes, total 448 metres, was carried out as indicated on Figure 4. Holes were drilled on 40 metre spacings on two east-west lines 250 metres apart. Holes 1 to 5 were more widely spaced (see Figure 4). These holes intersected alluvium in excess of ten metres and were abandoned due to insurmountable caving problems. In view of the drilling difficulties the original program was shortened to cover areas of thinner alluvial cover. Despite this, problems in caving holes and gross contamination of bedrock samples with cover material in many holes indicate that the assay results should be treated with caution.

This program was designed to test the possibility for significant mineralization as a northern extension of the Yam Creek, Northpoint zone. Bedrock lithologies are mainly siltstone but with some greywacke and mudstone. Minor quartz veining occurs. Logs are presented in Appendix 1.

Selected samples of both bedrock and regolith were submitted for arsenic (AAS) and gold (fire) assay and results are presented in Table 2. Statistics of the results are presented below:

	Arsenic ppm			Gold ppm		
	Av.	SD	Th.	Av.	SD	Th.
Cover	47	30	107	0.03	0.01	0.05
Bedrock	28	26	80	0.02	0.02	0.06

Av.= mean
SD = standard deviation
Th.= threshold (Av.+2SD)

Two samples, 19727 and 19735 (holes 41 and 36) gave anomalous gold assays but had below average arsenic. Three bedrock samples show anomalous levels of arsenic (> 80 ppm); samples 19779 and 19780 from hole 15 (7 and 9 metres depth) and 19799 from hole 7.

In view of the scattered nature of the few anomalous samples and the lack of correlation between gold and arsenic anomalies it was concluded that the drilling suggested little potential for the location of significant gold mineralization.

48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28

No outcrop.
Sandy loam with minor pebble float.

27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6

No outcrop.
Surface of sandy grey loam.

≥10 metres to bedrock
<10 metres to bedrock

5 4 3 2 1

MCN224
MLN1079

Approx. 150m to ne corner MLN1079

See text and Appendix 2 for hole logs and assays.

TN MN

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MAGNUM GOLD N.L.
GROVE HILL RAB DRILLING
MCN 224

SCALE 1:5,000 0 250 METRES

REPORT NO. A/337 | FILE NAME: GHILRAB | FIGURE 4

TABLE 2 RAB DRILLING ASSAYS

SAMPN	HO	DE	AU	ARS	LITH
19701	1	9	0.02	24	sand
19702	2	4	0.03	31	qtz sand
19703	2	5	0.06	33	fe clay
19704	3	11	0.02	68	regolith
19705	2	14	0.05	52	laterite
19706	3	6	0.05	57	laterite
19707	3	11	0.04	70	laterite
19708	4	7	0.03	90	laterite
19709	4	10	0.02	61	laterite
19710	4	16	0.01	9	regolith
19711	4	18	0.01	5	greywacke
19712	4	22	0.04	2	greywacke
19713	5	7	0.03	90	regolith
19714	5	10	0.02	56	regolith
19715	28	3	0.01	33	regolith
19716	28	6	0.03	12	regolith
19717	28	9	0.03	32	regolith
19718	48	11	0.02	17	greywacke
19719	48	10	0.02	11	greywacke
19720	47	7	0.04	24	siltstone
19721	46	7	0.03	19	siltstone
19722	45	6	0.01	14	siltst/gwcke
19723	44	7	0.03	15	siltstone
19724	43	6	0.02	19	siltst/gwke
19725	42	6	0.02	9	greywacke
19726	41	2	0.02	50	regolith
19727	41	6	0.11	18	gwke/mudst
19728	40	8	0.03	40	greywacke
19729	40	9	0.02	44	regolith
19730	39	2	0.03	37	regolith
19731	39	3	0.02	15	regolith
19732	38	5	0.02	6	siltstone
19733	37	3	0.02	22	regolith
19734	37	5	0.01	7	greywacke
19735	36	5	0.09	5	gwke/mudst
19736	35	2	0.01	41	siltstone
19737	35	3	0.01	31	mudstone
19738	35	7	0.01	7	quartzite
19739	34	2	0.02	32	regolith
19740	34	6	0.05	17	siltstone
19741	33	4	0.02	8	greywacke
19742	32	3	0.03	31	regolith
19743	32	5	0.03	45	greywacke
19744	31	3	0.02	27	regolith
19745	31	8	0.03	43	regolith
19746	30	2	0.02	26	regolith
19747	30	5	0.02	45	regolith
19748	29	5	0.05	19	regolith
19749	27	7	0.02	9	clay
19750	26	9	0.02	22	gwke/siltst
19751	25	6	0.04	25	clay
19752	24	9	0.02	16	greywacke
19753	23	1	0.03	56	regolith
19754	23	5	0.03	16	clay
19755	23	8	0.04	39	siltstone
19756	23	9	0.05	26	siltstone

SAMPN	HO	DE	AU	ARS	LITH
19757	22	1	0.03	90	regolith
19758	22	9	0.03	28	clay
19759	22	14	0.02	27	siltstone
19760	21	1	0.02	62	regolith
19761	21	5	0.02	23	clay
19762	21	9	0.03	20	siltstone
19763	21	12	0.03	20	siltstone
19764	20	1	0.03	8	regolith
19765	20	10	0.05	100	regolith
19766	19	1	0.03	42	regolith
19767	19	8	0.02	33	siltstone
19768	19	14	0.02	24	siltstone
19769	18	1	0.01	100	regolith
19770	18	9	0.02	26	siltstone
19771	18	12	0.01	16	siltstone
19772	17	2	0.04	48	siltstone
19773	17	9	0.01	26	clay
19774	17	14	0.01	30	siltstone
19775	16	2	0.02	80	clay
19776	16	11	0.01	12	clay
19777	15	2	0.02	47	mudstone
19778	15	6	0.02	47	mudstone
19779	15	7	0.02	160	mudstone
19780	15	9	0.03	90	mudstone
19781	14	1	0.03	16	regolith
19782	14	13	0.03	12	siltstone
19783	13	1	0.02	150	regolith
19784	13	6	0.01	10	siltstone
19785	12	2	0.04	19	regolith
19786	12	9	0.02	9	greywacke
19787	12	11	0.01	7	siltstone
19788	11	2	0.02	38	siltstone
19789	11	6	0.01	8	siltstone
19790	10	1	0.01	40	regolith
19791	10	3	0.01	14	siltstone
19792	10	9	0.01	12	siltstone
19793	9	2	0.01	35	regolith
19794	9	6	0.02	25	siltstone
19795	8	2	0.01	34	siltstone
19796	8	6	0.01	21	greywacke
19797	7	2	0.02	64	siltstone
19798	7	5	0.02	37	siltstone
19799	7	9	0.03	100	mudstone
19800	6	3	0.01	43	siltstone

SAMPN	sample number
HO	hole number
DE	depth metres
AU	gold assay ppm
ARS	arsenic assay ppm
LITH	sample lithology

4.0 CONCLUSION

On the basis of the results discussed above, the relinquished areas were considered to have little potential for hosting either primary or alluvial gold deposits of a grade and size that would enable profitable extraction under prevailing economic conditions. The tenements were relinquished on January 25, 1991.

5.0 EXPENDITURE

Due to MCNs 217, 223 and 224 being assessed during an ongoing program of exploration in the general region, expenditure specific to these three tenements is not documented. Expenditure related to the RAB drilling program included $3,136 in drilling costs and $1,871.50 in assay charges. Backhoe pitting contractors charges were $700.

APPENDIX 1

RAB LOGS

NAME: GHRAB1

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; brown;
	1.000	2.000	SURFACE SOIL & DEBRIS; as above; slightly clayey;
	1.000	3.000	REGOLITH; similar to above; brown; slightly sandy;
	1.000	4.000	REGOLITH; similar to above;
	1.000	5.000	REGOLITH; similar to above; slightly ferruginous; moderately sandy;
	1.000	6.000	REGOLITH; moderately ferruginous; similar to above;
	1.000	7.000	REGOLITH; similar to above; minor quartz;
	1.000	8.000	REGOLITH; similar to above; abundant quartz; SILTSTONE; 05%; siliceous; grey; MUDSTONE; 05%; siliceous; dark multicoloured; rock type doubtful; on the whole coarse river sand.
19701	1.000	9.000	REGOLITH; QUARTZ; 40%; river sand. SILTSTONE; as above; water.
	1.000	10.000	SAND; quartzose; very coarse grained; sub-rounded; unconsolidated; abandoned.
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB001.log - DATE: 02-27-1991 TIME: 12:37:46

NAME: GHRAB2

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; clayey; mid to dark brown; minor quartz;
	1.000	2.000	REGOLITH; as above; minor quartz;
	1.000	3.000	REGOLITH; as above;
19702	1.000	4.000	REGOLITH; partly ferruginous; SAND; 30%; quartzose; very coarse grained; sub-rounded;
19703	1.000	5.000	REGOLITH; ferruginous; clayey;
	2.000	7.000	REGOLITH; similar to above; trace of quartz;
	1.000	8.000	REGOLITH; partly sandy; quartzose; as above; minor quartz; CHERT; 02%; grey-green;
	1.000	9.000	REGOLITH; as above; coarse grained to granule; partly sandy; common quartz;
	1.000	10.000	REGOLITH; similar to above; coarse grained to granule; angular to rounded; 40% quartz;
19704	1.000	11.000	REGOLITH; similar to above; 30% quartz; CHERT; 10%; translucent black; angular to highly angular;
	1.000	12.000	REGOLITH; as above;
	1.000	13.000	REGOLITH; coarse grained to granule; 70% quartz;
19705	1.000	14.000	REGOLITH; similar to above; unconsolidated; 70% quartz; water.
	1.000	15.000	REGOLITH; similar to above; abandoned.
			*** END OF HOLE ***

NAME: GHRAB3

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS;
	1.000	2.000	SURFACE SOIL & DEBRIS;
	1.000	3.000	SURFACE SOIL & DEBRIS;
	1.000	4.000	REGOLITH; coarse to very coarse grained; sub-rounded to well rounded;
	1.000	5.000	REGOLITH; partly clayey; abunoant quartz; partly sandy;
19706	1.000	6.000	REGOLITH; fine to coarse grained; sub-rounded to well rounded; extremely abundant quartz ;
	1.000	7.000	REGOLITH; similar to above; very abundant quartz;
	1.000	8.000	REGOLITH; similar to above; abundant quartz;
	1.000	9.000	REGOLITH; similar to above; extremely abundant quartz;
	1.000	10.000	REGOLITH; similar to above;
19707	1.000	11.000	REGOLITH; similar to above; abundant quartz; hit water.
			*** END OF HOLE ***

NAME: GHRAB4

GROVE HILL, N.T. MAGNUM GOLD N.L.

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS;
	1.000	2.000	REGOLITH; clayey;
	1.000	3.000	REGOLITH; partly clayey; partly sandy; minor quartz;
	1.000	4.000	REGOLITH; similar to above; minor quartz;
	1.000	5.000	REGOLITH; similar to above; multicoloured; coarse grained to granule; angular to rounded; 20% quartz;
	1.000	6.000	REGOLITH; unconsolidated; multicoloured; coarse grained to granule; angular to rounded; 60% quartz;
19708	1.000	7.000	REGOLITH; similar to above; 40% quartz;
	1.000	8.000	REGOLITH; similar to above; 70% quartz;
	1.000	9.000	REGOLITH; similar to above; 40% quartz;
19709	1.000	10.000	REGOLITH; similar to above; 50% quartz;
	1.000	11.000	REGOLITH; similar to above; 10% quartz;
	1.000	12.000	REGOLITH; similar to above; 15% quartz;
	1.000	13.000	REGOLITH; 30%; similar to above; REGOLITH; 70%; partly clayey; mid to dark brown; partly sandy; common quartz;
	1.000	14.000	REGOLITH; extremely weathered; partly similar to above; damp;
	1.000	15.000	REGOLITH; as above; QUARTZ; 30%; translucent white;
19710	1.000	16.000	REGOLITH; as above; QUARTZ; 75%; as above;
	1.000	17.000	GREYWACKE; highly to extremely weathered; quartzose; mid to dark brown; fine to very fine grained; sub-angular; iron-stained; common quartz;
19711	1.000	18.000	GREYWACKE; as above; QUARTZ; 70%;
	1.000	19.000	GREYWACKE; as above; very fine to medium grained; QUARTZ; 50%; as above;
	1.000	20.000	GREYWACKE; highly weathered; as above; abundant quartz as above;
	1.000	21.000	GREYWACKE; similar to above; mid to dark brown grading to grey (?L) fine to medium grained;
19712	1.000	22.000	GREYWACKE; moderately weathered; similar to above; mid to dark grey; *** END OF HOLE ***

NAME: GHRAB5

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS;
	1.000	2.000	SURFACE SOIL & DEBRIS;
	1.000	3.000	REGOLITH; coarse grained to granule; angular to rounded; 80% quartz;
	1.000	4.000	REGOLITH; partly clayey; partly sandy;
	1.000	5.000	REGOLITH; as above; REGOLITH; coarse grained to granule; angular to rounded; 60% quartz ;
	1.000	6.000	REGOLITH; as above; 50% quartz;
19713	1.000	7.000	REGOLITH; partly sandy; multicoloured; coarse grained to granule; angular to rounded; 40% quartz; partly clayey;
	1.000	8.000	REGOLITH; similar to above; 40% quartz;
	1.000	9.000	REGOLITH; similar to above; 30% quartz;
19714	1.000	10.000	REGOLITH; similar to above; 30% quartz;
	1.000	11.000	REGOLITH; similar to above; 30% quartz;
	1.000	12.000	GREYWACKE; extremely weathered; rock type doubtful; mid to dark brown grading to green; damp; possible bedrock
	1.000	13.000	INTERVAL NOT LOGGED; hole collapsed.
			*** END OF HOLE ***

NAME: GHRAB6

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous; clayey;
	1.000	2.000	CLAY; highly ferruginous;
19800	1.000	3.000	SILTSTONE; highly to extremely weathered; clayey; ferruginous; minor to common quartz;
	1.000	4.000	SILTSTONE; similar to above;
19715	1.000	5.000	SILTSTONE; as above; minor to common quartz;
	1.000	6.000	SILTSTONE; as above; minor to common quartz;
	1.000	7.000	SILTSTONE; as above;
	1.000	8.000	SILTSTONE; similar to above; abundant quartz;
			***END OF HOLE ***

NAME: GHRAB7

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
[illegible]	1.000	2.000	SILTSTONE; '; ferruginous;
	1.000	3.000	SILTSTONE; as above;
	1.000	4.000	SILTSTONE; similar to above; partly sandy;
[illegible]	1.000	5.000	SILTSTONE; common quartz;
	1.000	6.000	SILTSTONE; similar to above; common quartz; MUDSTONE; siliceous; hard;
	1.000	7.000	MUDSTONE; 30%; similar to above; SILTSTONE; similar to above; minor quartz;
	1.000	8.000	SILTSTONE; clayey; MUDSTONE; minor to common quartz;
[illegible]	1.000	9.000	MUDSTONE; similar to above; common quartz; SILTSTONE;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB007.log - DATE: 02-27-1991 TIME: 12:43:15

NAME: GHRAB8

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
[illegible]	1.000	2.000	QUARTZ; 60%; SILTSTONE; 40%; similar to above;
	1.000	3.000	SILTSTONE; moderately weathered; common quartz;
	1.000	4.000	SILTSTONE; highly weathered; partly clayey; ferruginous; minor quartz;
	1.000	5.000	GREYWACKE; highly to extremely weathered; clayey;
[illegible]	1.000	6.000	GREYWACKE; as above;
	1.000	7.000	GREYWACKE; similar to above;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB008.log - DATE: 02-27-1991 TIME: 12:44:31

NAME: GHRAB9

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
19793	1.000	2.000	SURFACE SOIL & DEBRIS; similar to above; common quartz;
	1.000	3.000	SILTSTONE; highly to extremely weathered; clayey;
	1.000	4.000	SILTSTONE; moderately to highly weathered; as above;
	1.000	5.000	SILTSTONE; as above;
19794	1.000	6.000	SILTSTONE; as above; minor quartz;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB009.log - DATE: 02-27-1991 TIME: 12:45:17

NAME: GHRAB10

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
19790	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous; partly clayey;
	1.000	2.000	SILTSTONE; clayey;
19791	1.000	3.000	SILTSTONE; moderately weathered; moderately ferruginous; common quartz;
	1.000	4.000	SILTSTONE; highly weathered;
	1.000	5.000	GREYWACKE; clayey;
	1.000	6.000	SILTSTONE; moderately to highly weathered; sandy; partly clayey;
	1.000	7.000	SILTSTONE; similar to above;
	1.000	8.000	SILTSTONE; highly weathered; clayey; partly sandy;
19792	1.000	9.000	SILTSTONE; moderately weathered; trace of quartz;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB010.log - DATE: 02-27-1991 TIME: 12:46:01

NAME: GHRAB11

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; LOAM;
197cc	1.000	2.000	SILTSTONE; ferruginous; clayey; minor quartz;
	1.000	3.000	SILTSTONE; moderately weathered; abundant quartz;
	1.000	4.000	SILTSTONE; highly to extremely weathered; sandy; clayey;
	1.000	5.000	SILTSTONE; as above;
197cc	1.000	6.000	SILTSTONE; clayey;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1986 - FILE: GHRAB011.log - DATE: 02-27-1991 TIME: 12:46:45

NAME: GHRAB12

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous; minor quartz;
197cc	1.000	2.000	QUARTZ; 70%; SILTSTONE; 30%; similar to above;
	1.000	3.000	SILTSTONE; moderately to highly weathered;
	1.000	4.000	SILTSTONE; similar to above;
	1.000	5.000	SILTSTONE; highly to extremely weathered; clayey;
	1.000	6.000	GREYWACKE; 80%; SILTSTONE; 20%; similar to above;
	1.000	7.000	SILTSTONE; clayey;
	1.000	8.000	SILTSTONE; as above;
197cc	1.000	9.000	GREYWACKE; 90%; highly weathered; SILTSTONE; 10%; highly ferruginous; common quartz;
	1.000	10.000	SILTSTONE; moderately weathered;
197c7	1.000	11.000	SILTSTONE; similar to above; partly sandy;
	1.000	12.000	SILTSTONE; partly clayey;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1986 - FILE: GHRAB012.log - DATE: 02-27-1991 TIME: 12:47:07

NAME: GHRAB13

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
17/64	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
	1.000	2.000	CLAY;
	1.000	3.000	AS ABOVE;
	1.000	4.000	SILTSTONE; moderately weathered;
	2.000	6.000	SILTSTONE;
17/64	1.000	6.000	SILTSTONE; slightly to moderately siliceous;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB013.log - DATE: 02-27-1991 TIME: 12:48:25

NAME: GHRAB14

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
19/61	1.000	1.000	SILTSTONE; highly to extremely weathered; clayey;
	1.000	2.000	AS ABOVE;
	1.000	3.000	SILTSTONE; moderately to highly weathered;
	1.000	4.000	SILTSTONE; moderately weathered;
	1.000	5.000	SILTSTONE; partly clayey;
	1.000	6.000	SILTSTONE; 20%; similar to above; CLAY; 80%; silty;
	.000	7.000	SANDY CLAY;
	1.000	8.000	CLAY;
	1.000	9.000	CLAY; common magnesite;
	1.000	10.000	AS ABOVE;
	1.000	11.000	SILTSTONE; highly to extremely weathered; clayey;
	1.000	12.000	SILTSTONE; 80%; similar to above; MUDSTONE; 20%; siliceous;
17/62	1.000	13.000	SILTSTONE; moderately to highly weathered; SILTSTONE; clayey;
	1.000	14.000	CLAY; 60%; SILTSTONE; 20%; highly weathered;
	1.000	15.000	AS ABOVE;
			*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB014.log - DATE: 02-27-1991 TIME: 12:49:08

NAME: GHRAB15

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

R&D	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; LOAM; 10%; SILTSTONE; 90%; minor quartz;
	19777	1.000	2.000	REGOLITH; QUARTZ; 50%; SILTSTONE; 50%; ferruginous;
		1.000	3.000	SILTSTONE; moderately weathered; slightly siliceous; minor quartz;
		1.000	4.000	SILTSTONE; slightly to moderately siliceous;
		1.000	5.000	SILTSTONE; very slightly to slightly siliceous; MUDSTONE; slightly siliceous;
	19778	1.000	6.000	MUDSTONE; highly siliceous; trace of pyrite - disseminated;
	19779	1.000	7.000	QUARTZ; 80%; MUDSTONE; 20%; slightly to moderately siliceous; common iron oxides;
		1.000	8.000	MUDSTONE; similar to above; minor to common quartz;
	19780	1.000	9.000	MUDSTONE; similar to above; common quartz; common pyrite; common iron oxides;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 2.7 - 1988 - FILE: GHRAB015.log - DATE: 02-27-1991 TIME: 12:50:08

NAME: GHRAB16

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

R&D	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
	19775	1.000	2.000	CLAY; common quartz; SMOKEY.
		1.000	3.000	CLAY;
		1.000	4.000	SILTSTONE; moderately to highly weathered;
		1.000	5.000	SILTSTONE;
		1.000	6.000	CLAY;
		1.000	7.000	CLAY;
		1.000	8.000	CLAY;
		1.000	9.000	SILTSTONE; moderately to highly weathered;
		1.000	10.000	SILTSTONE; CLAY;
	19776	1.000	11.000	SILTSTONE;
		1.000	12.000	SILTSTONE; slightly to moderately siliceous;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 2.7 - 1988 - FILE: GHRAB016.log - DATE: 02-27-1991 TIME: 12:50:54

NAME: GHRAB17

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous; minor quartz;
	[illegible]	1.000	2.000	SILTSTONE; similar to above; common quartz;
		1.000	3.000	QUARTZ; 60%; SILTSTONE; 40%;
		1.000	4.000	CLAY;
		1.000	5.000	CLAY; MINOR SILICEOUS CHIPS - MAY INDICATE GEOCHIE TUFF.
		1.000	6.000	SILTSTONE; highly to extremely weathered;
		1.000	7.000	CLAY;
		1.000	8.000	CLAY;
	197.?	1.000	9.000	CLAY;
		1.000	10.000	CLAY; GREYWACKE; highly to extremely weathered;
		1.000	11.000	CLAY;
		1.000	12.000	CLAY;
		1.000	13.000	SILTSTONE; moderately to highly weathered; partly ferruginous; minor quartz;
	[illegible]	1.000	14.000	SILTSTONE;
		1.000	15.000	SILTSTONE; WET.
				*** END OF HOLE ***

EARLOG SYSTEM - VERSION 1.? - 1986 - FILE: GHRAB17.log - DATE: 02-27-1991 TIME: 12:51:36

NAME: GHRAB18

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	197??	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
		1.000	2.000	CLAY;
		1.000	3.000	CLAY; trace of quartz;
		1.000	4.000	CLAY;
		1.000	5.000	CLAY; common magnesite;
		1.000	6.000	AS ABOVE;
		1.000	7.000	CLAY; slightly weathered in part; SILTSTONE; highly to extremely weathered; partly sandy;
		1.000	8.000	SILTSTONE; similar to above; CLAY; similar to above; SILTSTONE; highly ferruginous; minor quartz;
	[illegible]	1.000	9.000	SILTSTONE; ferruginous; common quartz;
		1.000	10.000	SILTSTONE; clayey;
		1.000	11.000	SILTSTONE; similar to above; common quartz;
	197?	1.000	12.000	SILTSTONE; moderately weathered;
				*** END OF HOLE ***

NAME: GHRAB19

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	[illegible]	1.000	1.000	SURFACE SOIL & DEBRIS; CLAY; ferruginous; minor quartz;
		1.000	2.000	SILTSTONE; highly to extremely weathered; minor quartz;
		1.000	3.000	CLAY;
		1.000	4.000	CLAY;
		1.000	5.000	CLAY;
		1.000	6.000	CLAY;
		1.000	7.000	CLAY;
	19/67	1.000	8.000	SILTSTONE; highly ferruginous; SILTSTONE; common quartz
		1.000	9.000	CLAY; 90% magnesite;
		1.000	10.000	As ABOVE;
		1.000	11.000	SILTSTONE; highly to extremely weathered; leached & altered; pale to very pale cream;
		1.000	12.000	SILTSTONE; highly to extremely weathered; partly leached & altered;
		1.000	13.000	SILTSTONE; moderately to highly weathered; mid-brown;
	19/68	1.000	14.000	SILTSTONE; (75% (?1)
		1.000	15.000	SILTSTONE; similar to above; wet sample
				*** END OF HOLE ***

NAME: GHRAB20

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	19/64	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous; trace of quartz;
		1.000	2.000	SILTSTONE; similar to above; MUDSTONE; 10%; moderately to highly weathered;
		1.000	3.000	CLAY; SILTSTONE; highly weathered; abundant quartz;
		1.000	4.000	CLAY; partly sandy;
		1.000	5.000	As ABOVE;
		1.000	6.000	As ABOVE;
		1.000	7.000	As ABOVE;
		1.000	8.000	CLAY; partly sandy;
		1.000	9.000	SANDY CLAY;
	19/65	1.000	10.000	SILTSTONE; highly ferruginous; abundant quartz;
		1.000	11.000	SILTSTONE; similar to above; abandoned hole-water.
				*** END OF HOLE ***

NAME: GHRAB21

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	19760	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
		1.000	2.000	CLAY;
		1.000	3.000	CLAY; similar to above;
		1.000	4.000	CLAY; similar to above;
	19765	1.000	5.000	CLAY; minor magnesite;
		1.000	6.000	SANDY CLAY;
		1.000	7.000	CLAY; partly sandy;
		1.000	8.000	CLAY; similar to above;
	19770	1.000	9.000	SILTSTONE; highly ferruginous; CLAY; QUARTZ; minor to common
		1.000	10.000	SILTSTONE; similar to above; common quartz; MUDSTONE; 10%; moderately siliceous; dark grey; CLAY;
		1.000	11.000	SILTSTONE; moderately to highly weathered; moderately micaceous; common quartz;
	19775	1.000	12.000	SILTSTONE; similar to above;
				*** END OF HOLE ***

EPALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB021.log - DATE: 02-27-1991 TIME: 12:55:11

NAME: GHRAB22

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	19757	1.000	1.000	SURFACE SOIL & DEBRIS; SILTSTONE; highly to extremely weathered; ferruginous;
		1.000	2.000	CLAY; partly ferruginous;
		1.000	3.000	CLAY; khaki;
		1.000	4.000	AS ABOVE;
		1.000	5.000	AS ABOVE;
		1.000	6.000	CLAY; partly sandy;
		1.000	7.000	CLAY; 60%; SILTSTONE; 30%; highly ferruginous; red-brown; MUDSTONE; 10%; dark grey; minor to common quartz;
		1.000	8.000	CLAY; 30%; SILTSTONE; 70%; highly weathered;
	19765	1.000	9.000	CLAY; common quartz; trace of pyrite in quartz;
		1.000	10.000	SILTSTONE; MUDSTONE;
		1.000	11.000	MUDSTONE; mid-grey; stained; pale to mid-brown;
		1.000	12.000	SILTSTONE; moderately weathered; moderately micaceous;
		1.000	13.000	SILTSTONE; similar to above; CLAY;
	19770	1.000	14.000	SILTSTONE; 70%; similar to above; CLAY; 30%;
		1.000	15.000	SILTSTONE; similar to above;
				*** END OF HOLE ***

NAME: GHRAB23

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
				[illegible]
				SURFACE SOIL & DEBRIS; SILTSTONE; ferruginous;
				CLAY; silty; minor quartz;
				CLAY; similar to above;
				AS ABOVE;
				AS ABOVE;
				AS ABOVE;
				SILTSTONE; 30%; CLAY; 70%;
				SILTSTONE; 40%; similar to above; SILTSTONE; 60%; highly to extremely weathered; partly ferruginous; abundant quartz;
				SILTSTONE; similar to above;
				*** END OF HOLE ***

ANALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB023.log - DATE: 02-27-1991 TIME: 12:52:04

NAME: GHRAB24

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
				SURFACE SOIL & DEBRIS;
				REGOLITH; clayey;
				REGOLITH; CLAY; silty; common magnesite;
				SANDY CLAY; common magnesite;
				SANDY CLAY; CONTAMINATED SAMPLE;
				SANDY CLAY;
				SANDY CLAY;
				CLAY; pale grey; SILTSTONE;
				GREYWACKE; moderately weathered; silty; mid to dark khaki;
				*** END OF HOLE ***

ANALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB024.log - DATE: 02-27-1991 TIME: 12:59:05

NAME: GHRAB25

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; CLAY; minor quartz;
		1.000	3.000	REGOLITH; rock type doubtful; CLAY; pale grey; trace of quartz;
		1.000	4.000	CLAY; SANDY CLAY;
		1.000	5.000	CLAY; as above; SANDY CLAY; as above; common quartz;
	19751	1.000	6.000	CLAY; SANDY CLAY; common quartz;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB025.log - DATE: 02-27-1991 TIME: 12:59:56

NAME: GHRAB26

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey;
		1.000	3.000	REGOLITH; minor magnesite; SILTSTONE;
		1.000	4.000	CLAY; silcy; trace of magnesite;
		1.000	5.000	CLAY; as above;
		1.000	6.000	SILTSTONE; partly clayey;
		1.000	7.000	SILTSTONE; similar to above; grading to GREYWACKE;
	19750	2.000	9.000	SILTSTONE; 20%; similar to above; GREYWACKE; 80%;

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB026.log - DATE: 02-27-1991 TIME: 13:00:40

NAME: GHRAB27

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey;
		1.000	3.000	REGOLITH; similar to above;
		1.000	4.000	CLAY; pale grey; GREYWACKE; 20%; rock type doubtful;
		1.000	5.000	CLAY; 70%; GREYWACKE; 30%; brown;
		1.000	6.000	CLAY; as above; GREYWACKE; as above;
	19743	1.000	7.000	CLAY; 60%; GREYWACKE; 40%; minor quartz;
		1.000	8.000	GREYWACKE; 70%; CLAY;
		1.000	9.000	GREYWACKE; SILTSTONE; CLAY;

EPALOG SYSTEM - VERSION 1.7 - 1985 - FILE: GHRAB027.log - DATE: 02-27-1991 TIME: 13:01:23

NAME: GHRAB28

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; clayey;
		1.000	2.000	SURFACE SOIL & DEBRIS; clayey;
	19715	1.000	3.000	REGOLITH; partly clayey; coarse grained to granule; angular to rounded; 50% quartz;
		1.000	4.000	REGOLITH; similar to above; common quartz;
		1.000	5.000	REGOLITH; silty;
	19716	1.000	6.000	REGOLITH; very abundant quartz;
		1.000	7.000	REGOLITH; as above; coarse grained to granule; angular to rounded; abundant quartz;
		1.000	8.000	REGOLITH; similar to above; common quartz;
	19717	1.000	9.000	REGOLITH; partly clayey; coarse grained to granule; angular to rounded; unconsolidated; 60% quartz; CONTAMINATED SAMPLE;
				*** END OF HOLE ***

EPALOG SYSTEM - VERSION 1.7 - 1985 - FILE: GHRAB028.log - DATE: 02-27-1991 TIME: 13:02:06

NAME: GHRAB29

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; sandy; clayey;
		1.000	3.000	REGOLITH; similar to above;
		1.000	4.000	REGOLITH; similar to above;
	19746	1.000	5.000	REGOLITH; similar to above; common quartz;
		1.000	6.000	REGOLITH; partly clayey; partly sandy;
		1.000	7.000	REGOLITH; as above; abandoned.

ERALOG SYSTEM - VERSION 1.7 - 1986 - FILE: GHRAB029.log - DATE: 02-27-1991 TIME: 13:02:49

NAME: GHRAB30

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
	19746	1.000	2.000	REGOLITH; ferruginous; coarse grained to granule; moderately rounded; 70% quartz;
		1.000	3.000	REGOLITH; as above;
		1.000	4.000	REGOLITH; clayey; ferruginous; minor quartz;
	19747	1.000	5.000	REGOLITH; sandy; trace of quartz; damp.
		1.000	6.000	REGOLITH; similar to above;
		1.000	7.000	REGOLITH; similar to above; abundant quartz;
		1.000	8.000	REGOLITH; partly sandy; partly clayey; partly similar to above;
		1.000	9.000	REGOLITH; as above; abundant quartz; abandon hole.

ERALOG SYSTEM - VERSION 1.7 - 1986 - FILE: GHRAB030.log - DATE: 02-27-1991 TIME: 13:03:03

NAME: GHRAB31

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey; sandy; ferruginous;
	19744	1.000	3.000	REGOLITH; as above; abundant quartz;
		1.000	4.000	REGOLITH;
		1.000	5.000	REGOLITH; as above;
		1.000	6.000	REGOLITH; sandy; clayey; coarse grained to granule; angular to rounded; extremely abundant quartz;
		1.000	7.000	REGOLITH; as above; abundant quartz;
	19745	1.000	8.000	REGOLITH; as above; 30% quartz;
		1.000	9.000	[illegible] soil [illegible] similar to above; abandoned, damp.

EARLOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB031.log - DATE: 02-27-1991 TIME: 13:04:13

NAME: GHRAB32

Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; ferruginous; clayey; very abundant quartz;
	19746	1.000	3.000	REGOLITH; similar to above; 50% quartz;
		1.000	4.000	REGOLITH; ferruginous; GREYWACKE; rock type doubtful; extremely abundant quartz;
	19747	1.000	5.000	GREYWACKE; SILTSTONE; minor quartz;
		1.000	6.000	GREYWACKE; SILTSTONE; minor quartz;
				*** END OF HOLE ***

EARLOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB032.log - DATE: 02-27-1991 TIME: 13:07:11

NAME: GHRAB33

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE soil & debris;
		1.000	2.000	REGOLITH; clayey;
		3.000	5.000	REGOLITH; sandy; ferruginous; common quartz;
		2.000	4.000	GREYWACKE; SILTSTONE; CLAY;
		1.000	5.000	GREYWACKE; CLAY; minor quartz;
		1.000	6.000	GREYWACKE;
				*** END OF HOLE ***

EMPLOR SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB033.log - DATE: 02-27-1991 TIME: 13:08:00

NAME: GHRAB34

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; ferruginous; common quartz;
		3.000	4.000	REGOLITH; similar to above; SILTSTONE; rock type doubtful; abundant quartz;
		1.000	5.000	SILTSTONE; spotted; common quartz;
		1.000	6.000	SILTSTONE;
		1.000	7.000	CLAY; silty;
		1.000	8.000	SILTSTONE; similar to above;

EMPLOR SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB034.log - DATE: 02-27-1991 TIME: 13:08:54

NAME: GHRAB35

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
	19736	1.000	2.000	SILTSTONE; rock type doubtful; siliceous; very abundant quartz;
	19737	1.000	3.000	MUDSTONE; grades to multicoloured; SILTSTONE; siliceous;
		1.000	4.000	MUDSTONE; grades to SILTSTONE; as above;
		1.000	5.000	MUDSTONE; grades to GREYWACKE; rock type doubtful;
		1.000	6.000	QUARTZITE; ?leached & altered; similar to above;
	19738	1.000	7.000	QUARTZITE; as above;
				*** END OF HOLE ***

EARLOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB35.log - DATE: 02-27-1991 TIME: 13:09:38

NAME: GHRAB36

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; CLAY; pale grey; minor quartz;
		1.000	3.000	MUDSTONE; silty; pale grey;
		1.000	4.000	SILTSTONE; grades to khaki; GREYWACKE; MUDSTONE; similar to above;
	19735	1.000	5.000	MUDSTONE; similar to above; GREYWACKE; SILTSTONE;
		1.000	6.000	MUDSTONE; SILTSTONE;
				*** END OF HOLE ***

EARLOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB36.log - DATE: 02-27-1991 TIME: 13:10:55

NAME: GHRAB37

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; sandy; very weathered quartz;
	19733	1.000	3.000	REGOLITH; greywacke; siltstone; quartz;
		1.000	4.000	GREYWACKE;
	19734	1.000	5.000	GREYWACKE; grades to siltstone;
		1.000	6.000	SILTSTONE; clayey;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB037.log - DATE: 02-27-1991 TIME: 13:11:43

NAME: GHRAB038

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey; green;
		1.000	3.000	GREYWACKE; grades to knark; SILTSTONE; trace of quartz;
		1.000	4.000	SILTSTONE; spotted;
	19732	1.000	5.000	SILTSTONE; GREYWACKE; 20% quartz;
		1.000	6.000	GREYWACKE; grades to SILTSTONE;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB038.log - DATE: 02-27-1991 TIME: 13:12:27

NAME: GHRAB39

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
	19729	1.000	2.000	REGOLITH; sandy; CLAY; very abundant quartz;
	19731	1.000	3.000	REGOLITH; clayey;
		1.000	4.000	REGOLITH; partly sandy;
		1.000	5.000	REGOLITH; GREYWACKE; unconsolidated; CLAY; minor quartz;
		1.000	6.000	REGOLITH; GREYWACKE; as above;
		1.000	7.000	GREYWACKE; SILTSTONE; 70%; MUDSTONE; dark grey;
		1.000	8.000	MUDSTONE; sandy; brown; minor quartz;
		1.000	9.000	GREYWACKE; MUDSTONE; similar to above; SILTSTONE; grey;
		1.000	10.000	GREYWACKE; grades to MUDSTONE;
		1.000	11.000	SILTSTONE; multicoloured; common iron oxides;
		1.000	12.000	SILTSTONE; as above; damp; common iron oxides;

EMALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB039.log - DATE: 02-27-1991 TIME: 13:13:14

NAME: GHRAB40

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		2.000	3.000	REGOLITH; trace of quartz;
		1.000	4.000	MUDSTONE; leached & altered; GREYWACKE; extremely weathered;
		1.000	5.000	CLAY; GREYWACKE; similar to above;
		1.000	6.000	GREYWACKE; rock type doubtful; leached & altered;
		1.000	7.000	GREYWACKE; as above;
	19726	1.000	8.000	GREYWACKE; as above; SILTSTONE; 30%; FROM 5 TO 8M LOOKS LIKE REGOLITH, TRACE OF QUARTZ & IRON OXIDES VISIBLE
	19727	1.000	9.000	SANDY CLAY; REGOLITH; rock type doubtful; coarse grained to granule; angular to rounded;
		1.000	10.000	REGOLITH; partly clayey; partly sandy; partly coarse grained to granule; angular to rounded; HIT WATER, ABANDONED HOLE
				*** END OF HOLE ***

EMALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB040.log - DATE: 02-27-1991 TIME: 13:14:14

NAME: GHRAB41

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; partly ferruginous;
	19726	1.000	2.000	REGOLITH; abundant quartz;
		1.000	3.000	GREYWACKE;
		1.000	4.000	SILTSTONE; moderately weathered; GREYWACKE; trace of quartz;
		1.000	5.000	SILTSTONE; grades to MUDSTONE;
	19727	1.000	6.000	MUDSTONE; grades to GREYWACKE;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 3.7 - 1988 - FILE: GHRAB041.log - DATE: 02-27-1991 TIME: 13:14:53

NAME: GHRAB42

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; partly ferruginous;
		1.000	2.000	REGOLITH; clayey;
		1.000	3.000	GREYWACKE; 90%; highly weathered; QUARTZITE; 10%; leached & altered;
		1.000	4.000	GREYWACKE; similar to above;
		1.000	5.000	GREYWACKE; similar to above; trace of quartz;
	19728	1.000	6.000	GREYWACKE; similar to above;
		1.000	7.000	GREYWACKE; similar to above; CLAY; 20%; pale green;
		1.000	8.000	GREYWACKE; similar to above;
		1.000	9.000	GREYWACKE; clayey; partly leached & altered;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 3.7 - 1988 - FILE: GHRAB042.log - DATE: 02-27-1991 TIME: 13:15:37

NAME: GHRAB43

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey; trace of quartz; trace of magnesite;
		1.000	3.000	CLAY; trace of magnesite;
		1.000	4.000	CLAY; SILTSTONE;
		1.000	5.000	SILTSTONE;
	19724	1.000	6.000	SILTSTONE; 50%; similar to above; mid to dark brown; GREYWACKE; grades to (?CY **UNKNOWN**) 50%; grey; trace of quartz;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB043.log - DATE: 02-27-1991 TIME: 13:16:19

NAME: GHRAB44

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS; ferruginous;
		1.000	2.000	REGOLITH; clayey;
		1.000	3.000	REGOLITH; SILTSTONE; extremely weathered; rock type doubtful; clayey; pale grey;
		1.000	4.000	SILTSTONE; as above;
		1.000	5.000	SILTSTONE; similar to above; green;
		1.000	6.000	SILTSTONE; partly similar to above; GREYWACKE; grades to
	19723	1.000	7.000	SILTSTONE; extremely weathered; partly clayey; green grading to SILTSTONE; highly weathered; brown; GREYWACKE; common quartz;
		1.000	8.000	SILTSTONE; mid to dark brown; GREYWACKE; grades to trace of quartz;
		1.000	9.000	GREYWACKE; grades to SILTSTONE; trace of quartz;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB044.log - DATE: 02-27-1991 TIME: 13:17:08

NAME: GHRAB45

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey;
		1.000	3.000	REGOLITH; similar to above; SILTSTONE; extremely weathered; SILTSTONE; 20%; as above;
		1.000	4.000	SILTSTONE; 50%; moderately weathered; spotted; brown; GREYWACKE; 30%;
	19722	1.000	5.000	SILTSTONE; partly spotted;
		1.000	6.000	SILTSTONE; 50%; as above; GREYWACKE; 50%;
				*** END OF HOLE ***

ERHLOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB45.109 - DATE: 02-27-1991 TIME: 13:17:55

NAME: GHRAB46

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	REGOLITH; clayey;

ERHLOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB46.109 - DATE: 02-27-1991 TIME: 13:19:29

NAME: GHRAB47

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	SURFACE SOIL & DEBRIS;
		1.000	3.000	REGOLITH;
		1.000	4.000	REGOLITH; clayey; sandy; minor quartz;
		1.000	5.000	REGOLITH; SILTSTONE; brown;
		1.000	6.000	SILTSTONE; partly clayey; minor quartz;
1720		1.000	7.000	SILTSTONE; moderately weathered; similar to above; GREYWACKE; grades to
		1.000	8.000	SILTSTONE; mid to dark brown;
		1.000	9.000	SILTSTONE; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: GHRAB047.log - DATE: 02-27-1991 TIME: 13:20:09

NAME: GHRAB48

GROVE HILL, N.T. MAGNUM GOLD N.L. Page 1

RQD	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
		1.000	1.000	SURFACE SOIL & DEBRIS;
		1.000	2.000	SURFACE SOIL & DEBRIS;
		1.000	3.000	REGOLITH; silty; brown grading to grey;
		1.000	4.000	REGOLITH; rock type doubtful; silty; sandy;
		1.000	5.000	REGOLITH; as above; trace of quartz;
		1.000	6.000	SILTSTONE; extremely weathered; REGOLITH; as above; very abundant quartz;
		1.000	7.000	SANDY CLAY; 70%; REGOLITH; 30%; as above;
		1.000	8.000	GREYWACKE; highly weathered; iron-stained; mid to dark brown; SILTSTONE; SANDY CLAY; pale grey;
		1.000	9.000	GREYWACKE; 90%; highly weathered; iron-stained; mid to dark brown; fine to medium grained; sub-angular; SANDY CLAY; 10%; iron-stained; common quartz;
1719		1.000	10.000	GREYWACKE; 85%; similar to above; siliceous; SILTSTONE; 05%; dark grey-green; QUARTZ; 10%; translucent colourless;
		1.000	11.000	GREYWACKE; 75%; highly weathered; as above; SILTSTONE; 05%; SANDY CLAY; 10%; QUARTZ; 10%; translucent colourless;
		1.000	12.000	SILTSTONE; moderately weathered; mid to dark khaki; MUDSTONE; grades to common quartz;
		1.000	13.000	GREYWACKE; SILTSTONE; grading to CLAY; common quartz;