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REPORT ON WORK COMPLETED WITHIN AUTHORITY N 363 ADELAIDE RIVER AREA, NORTHERN TERRITORY

16.09.94 - 16.12.94

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ADELAIDE RIVER AREA, NORTHERN TERRITORY
16.09.94 - 16.12.94

Author: I.K. Butler / P.M. Melville

Date: 9 January, 1995

LOCATION MAP

SUMMARY

The Maureen gold project is owned 100% by Australian Gold Mines NL through its subsidiary Northern Territory Gold Mines NL. The project is centred on the Maureen and Maureen Extended prospects where previous exploration indicated a potential resource of 15-20,000 ozs could exist, mostly at Maureen.

An Option to Purchase Agreement for 3 months was signed between Nicron Resources and NT Gold Mines NL which allowed Nicron Resources to carry out exploration on the property.

The mineralisation is located 20kms by road to the ENE of Woodcutters Mine. It was discovered by Kennecott Exploration in 1986, followed up by BP Australia and later Riomin Australia Gold Pty ltd through to 1990. They concluded the gold resource was small and probably uneconomic. No further substantial exploration has been conducted on the property.

The gold mineralisation is hosted by Early Proterozoic Koolpin Formation chert, iron formation and mudstone intruded by Zamu Dolerite. It occurs on the east limb of a south plunging major anticline.

Work carried out by Nicron Resources during the Option period includes compilation and review of previous geological data, geological mapping and infill reverse circulation drilling on a nominal 40m x 20m grid in well mineralised areas.

This has revealed the gold mineralisation occurs as a stockwork of quartz and limonite filled veinlets in an intensely altered (sericite and hematite) dolerite. Further drilling is required to close off the low grade envelope and to better define the limits of higher grade mineralisation.

It is recommended not to exercise the Option as the property does not appear to be financially attractive for Nicron Resources Limited.

1. INTRODUCTION

The Maureen gold project is owned 100% by Australian Gold Mines NL through its subsidiary Northern Territory Gold Mines NL. The project is centred on the Maureen and Maureen Extended Prospects where previous exploration activities have indicated potential resources of 15-20,000 ozs, mostly at Maureen.

On the 16th September 1994 an Option Agreement was signed between Nicron Resources Limited and Northern Territory Gold Mines NL. The terms and conditions of the agreement were:

- payment of $30,000 Option Fee
- period of Option to be 3 months
- minimum of $70,000 to be spent on exploration
- related to specified tenements (MCN 4021, AN 363, and EL 7232)

The three month option was considered adequate for the evaluation of both prospects.

The purpose of this report is to present the geological data from work conducted by Nicron Resources within AN 363 during the Option period.

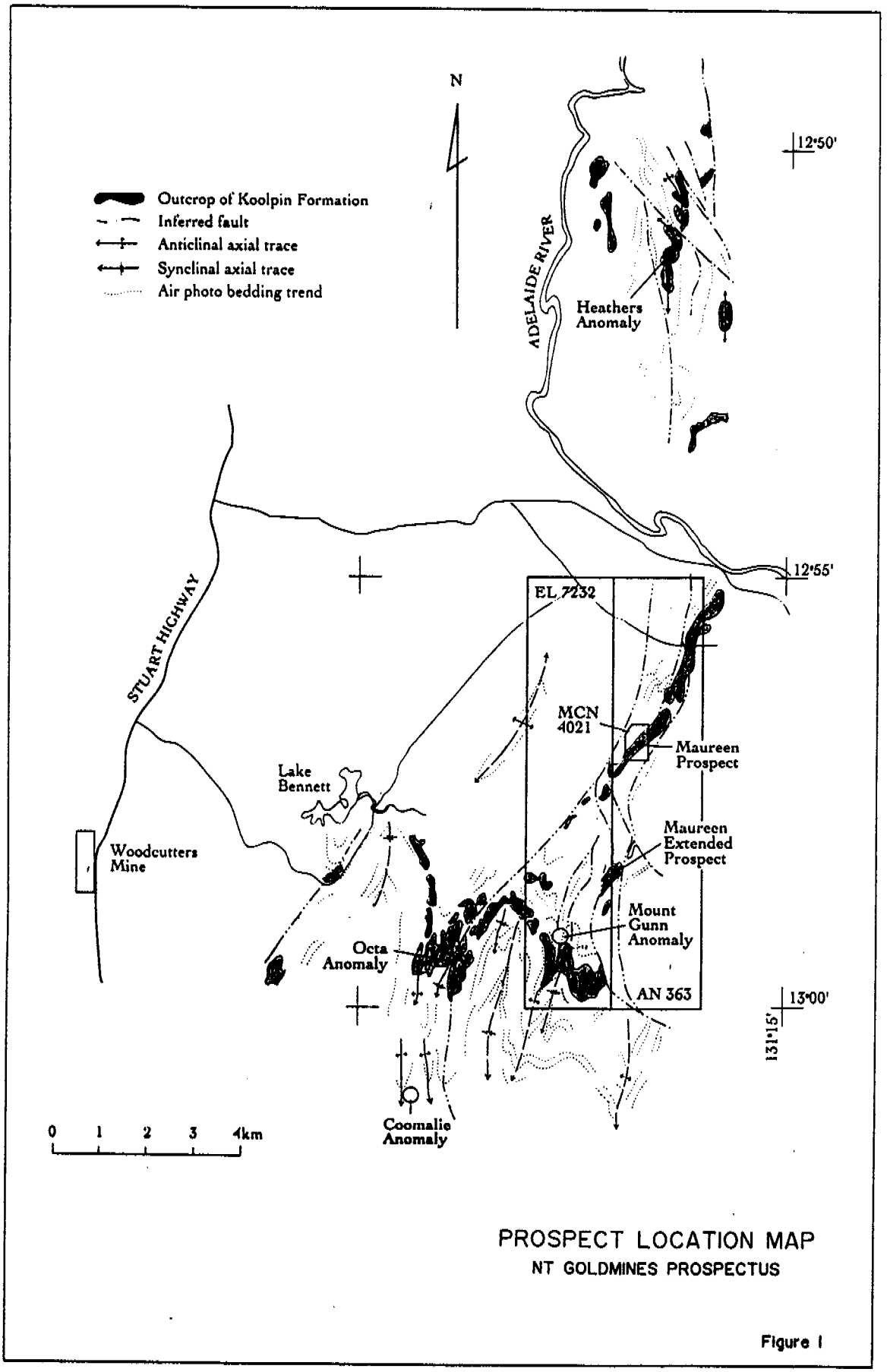
2. LOCATION AND TENURE

Maureen is located 70km south-east of Darwin and 20km by road to the east north-east of Woodcutters Mine (Figure 1).

The project area comprises three exploration licences (EL's 7232, 8157 and 8201), one authority (AN 363) and one mineral claim (MCN 4021). The bulk of the mineralisation occurs at Maureen within MCN 4021, which is located on the boundary of RO (Reserved from Occupation) 1307 which covers the proposed Marrakai Dam Acquisition Area.

3. CONCLUSIONS

- Infill drilling is required to define mineable reserves at both prospects.
- A preliminary financial study conducted by Nicron Resources indicates that the Maureen and Maureen Extended prospects would show a negative return if capital costs and purchase price are included.
- The Maureen and Maureen Extended prospects are not viable for Nicron Resources to develop as a 'stand-alone' project.



PROSPECT LOCATION MAP

NT GOLDMINES PROSPECTUS

Figure 1

4. RECOMMENDATIONS

- Do not exercise the Maureen and Maureen Extended Option.

5. PREVIOUS EXPLORATION

Up to 1986 when the area was first recognised for its gold potential, several companies had conducted exploration for base metals and uranium in the region.

Kennecott Exploration (Australia) Limited was the first company to specifically explore for gold. Regional stream sediment and rock chip sampling identified several potential zones of gold mineralisation, including Maureen and Maureen Extended. In 1987 the operations of Kennecott came under the control of BP Australia Gold P/L and in 1990 Riomin Australia Gold P/L assumed control.

Between 1987 and the end of 1990 detailed exploration was carried out over both prospects and adjacent ground by the above companies. Further regional and detailed stream and rock chip sampling was conducted as well as reconnaissance mapping.

At both Maureen and Maureen Extended Prosects the detailed exploration comprised soil and rock chip sampling, costeaning, mapping, geophysics and drilling. A total of 81 holes were drilled for an advance of 4087 metres: 52 at Maureen (3202m) and 19 at Maureen Extended (885m).

Assessment by Riomin concluded that the resource at Maureen was small and probably uneconomic. They attempted to 'farm out' the tenements but were unsuccessful and consequently relinquished them. Messrs N.Scriven and R.Johnson acquired the prospects and subsequently sold the properties to Northern Territory Gold Mines in 1993. There are no records of any substantial exploration being conducted between October 1990 and the present exploration by Nicron Resources.

6. GEOLOGY AND MINERALISATION

6.1 STRATIGRAPHY

The prospects are located within the Pine Creek Inlier. They lie on a sinuous belt of folded Early Proterozoic South Alligator Group strata which are located on the eastern flank of the Archaean Waterhouse-Rum Jungle basement highs.

The formations represented at both localities are (stratigraphic bottom to top):

- Koolpin Formation
- Gerowie Tuff
- Mt Bonnie Formation

Sills of Zamu dolerite intrude the Koolpin and are folded with the enclosing rocks. 'Wildman Siltstone' has been mapped at Maureen but has now been tentatively included with the Koolpin (Nicholson & Ormsby, 1993). At both localities there is a distinct thinning of the South Alligator lithologies, which is interpreted to be a function of their position relative to basement paleo highs (Nicholson & Ormsby, 1993).

The Koolpin Formation which constitutes the host to much of the mineralisation comprises the following lithologies at Maureen:

- grey to greenish grey laminated silicified mudstones, pyritic in part (ex Wildman Siltstone)
- Hematitic - carbonaceous mudstone with interlayered tourmalinite and cherty bands
- Iron Formation composed of pyritic nodular chert and strongly ferruginised mudstones
- Laminated grey to mauve mudstone/siltstone with chert bands. Some dolomitic facies.

The Gerowie Tuff and Mt Bonnie Formation crop out sparsely on the eastern side of Maureen Ridge. Neither have shown to be mineralised at this locality though they are important gold hosts elsewhere in the Pine Creek Geosyncline.

Limited outcrop at Maureen Extended in combination with costean mapping has indicated a series of NNE trending doleritic intrusions within Koolpin Formation. The latter comprises tightly folded grey/greenish and red-brown hematitic laminated mudstone with interbedded graphite-rich variants and rare tourmalinites.

6.2 STRUCTURE

At both Maureen and Maureen Extended, the prospects are bounded by arcuate regional structures and lie on the eastern limb of a major regional anticline.

At a prospect scale the major structural features are NE to NNE trending folds and sub-parallel faults. These tight to closed folds plunge from 20-50° to the south and north, are upright and generally have wavelengths of 100-400 metres. Localised tight folding has been recorded at both localities through costean mapping and orientation of diamond drill core at Maureen.

Several fault sets show both NNW and NE orientations. The former probably account for a ~1km displacement of the stratigraphy between Maureen and Maureen Extended. The NE faults are more or less parallel to bedding and show extensional features such as 'pull-apart' structures as observed within the Iron Formation at the northern end of the Maureen Prospect (Bosch, et. al., 1989). Prominent buck quartz veins e.g. along the western boundary of Maureen, represent the more regional strike parallel system and in this case appear to define the western extent of the mineralisation (Enclosure 1).

6.3 MINERALISATION

Gold mineralisation at both prospects represent virgin discoveries resulting from regional stream sediment sampling instigated by Kennecott in 1986. The immediate area has no previous history of gold mining operations and represents one of a number of locations in the region where grass roots exploration techniques have led to the discovery of new occurrences.

6.3.1 Maureen Extended

A linear zone of gold mineralisation intimately associated with a dolerite intrusion and adjacent sediments has been traced over a strike length of approximately 400 metres. Soil and rock chip sampling followed by costeaning outlined a limited extent of comparatively high grade values centred on grid section 8000N. (Enclosures 1 and 2).

An outcropping doleritic sill, striking N20°E occupies a low ridge; mudstones of the Koolpin Formation are folded about this intrusion and dip at steep angles to the west and east. The latter implies an anticlinal axis more or less coincident with the dolerite which can be traced some hundreds of metres to the north. A closure appears to exist on the 7900N line where the dolerite terminates (or is offset) and the sediments exhibit changes in strike and dip. Paralleling the eastern contact of the dolerite a parasitic fold is interpreted from costean data.

Intensive fracturing and veining is evident in outcrops of the dolerite, forming a classic stockwork pattern. Sections of this system are mineralised, in some cases to high grades. Variability of mineralisation and grade is not well understood in relation to veining/.alteration within the dolerite. Surface and sub-surface data confirms the highly altered and deformed nature of the host with gold values tending to be associated with intensely quartz-veined zones, accompanied by clay alteration and iron oxides. This association is not necessarily adhered to and as stated below some mineralisation is hosted by the sediments.

Costean 7960N was excavated through the zone of highest values returning a channel sample of 2.2g/t over 10 metres and surrounded by an extensive lower grade envelope. Lithological mapping indicates the high grade section as being within a tourmalinite bed sandwiched between dolerite and mudstone. This association should be treated with caution as all the higher grade values are present in the dolerite. There is also a discrepancy between the location of the higher gold values and the mineralisation as projected from the drill holes. Several drill hole intercepts located minor values within the mudstones as well, presumably in fractures along the limbs of the anticlinal fold.

In summary, an assessment of the surface and drill data indicate a limited, potentially economic zone of gold mineralisation contained within a stockwork vein system and hosted (predominantly) by dolerite.

7. WORK CARRIED OUT

7.1 DATA COMPILATION

Prior to the commencement of field work, all available data was gathered from Australian Gold Mines NL and company reports on open file at the N.T. Department of Mines and Energy library. This included all company reports dealing with the gold exploration activities relating to Maureen and Maureen Extended, commencing with Kennecott through to Riomin.

Included in this data was a document by C. Mackay, Geologist, proposing a drilling programme to further upgrade the information so far available on the gold resource at Maureen. This report was prepared for Northern Territory Gold Mines NL and eventually utilised by Nicron, with some minor modifications.

All data was collated, studied, and synthesised to produce a detailed picture of the geology, distribution of gold (both surface and sub-surface), and of the vein systems.

7.2 GEOLOGICAL MAPPING

Both Maureen and Maureen Extended are covered by detailed mapping with plans produced at both 1:1000 and 1:2500 scales (Enclosure 1) (BP Gold and Riomin); this work also covered the regional setting of the two prospects so that an area 4.5 x 2.0km has been investigated in some detail.

Initially, prior to any groundwork by Nicron, the grid at Maureen was re-established and all drill holes relocated. The author (PMM) spent several days on site initially to check and familiarise himself with the geology of the prospect and adjacent ground; this was followed up by some more detailed investigation of all outcrop in the mineralised zone, specifically for structural information. Similar investigations were made of the geology south to Maureen Extended and in the environs of the prospect area.

No mapping as such was completed in this investigation. The work done by geologists over the past few years appears to be of a high standard and was considered adequate for the present study.

7.3 REVERSE CIRCULATION DRILLING

7.3.1 Introduction

A programme of RC drilling was conducted between the 4th and 19th October 1994. A total of 6 holes for 312m were drilled at the Maureen Extended Prospect (see Table 1).

At Maureen Extended holes were positioned on grid west (300°) sections, drilling at 60° declinations. Sites were prepared by bulldozer and at the Extended Prospect no problems were encountered. At Maureen Extended two profiles of three holes were placed north and south of the main mineralised intersection. See Enclosures 1 and 2 for the drill hole locations and Enclosures 3-8 for cross sections.

Samples were collected at 1m intervals and initially 4m composites were forwarded to the laboratory. On receipt of assay results intervals over 0.5ppm were assigned for resampling at 1m intervals.The 4m composites were made up of 'speared' samples taken from the 1m interval. The 1m re-sample was collected by riffle splitting down to a 2-3kg sample. Duplicates and standards were included to check repeatability and batch errors (see Tables 2 and 3). The majority of the analytical work was performed by Assaycorp, Pine Creek with some check samples being forwarded to Amdel, Darwin. Preparation and analytical methods employed by each laboratory are as follows:

Assaycorp: Kiegel Mill. prep, 30gm charge Fire Assay (0.01 ppm DL)
Amdel: Mixer Mill. prep,50gm charge Fire Assay (0.01 ppm DL)

The RC drill logs are in Appendix I and assay results in Appendix II. A drillhole geology summary is in Appendix III.

7.3.2 Maureen Extended - Results of Drilling

Six holes on two Sections were drilled to the north and south of the original high grade intercept outlined in PNTAR 51 on drill section 7960N (Enclosure 2). The two sections, 7920N and 7985N (Enclosures 4 and 6) were planned so that adequate coverage of the along-strike extensions to PNTAR 51 were achieved. East-west hole spacing was planned at 20m but required modifications due to some minor topographic constraints (see Enclosures 1 and 2).

This programme confirmed that the principal zone of mineralisation is confined to a stockwork system of veins and associated alteration within the dolerite and that the surrounding sediments, adjacent to the dolerite contact, are weakly mineralised in places.

The more extensive and higher grade zones as intersected in PNTAR 51 and MRRC 100 and to a lesser extent a low grade intercept in PNTAR 37 (section 8040N) illustrates a rapid deepening of the mineralisation progressing northwards, possibly coincident with a locally plunging axial plane related vein system. The intersected base of the system drops from 90 RL on 7920N to 83 RL on 7960N and then flattens out to around 70-72 RL by 8040N.

TABLE 1

MAUREEN

DRILL HOLE SUMMARY - 1994 PROGRAMME

MAUREEN EXTENDED

HOLE NO.	CO-ORDINATES	RL (m)	DIP	AZIMUTH (Magnetic)
MRRC 99	7985N 11250E	98	60°	300°
MRRC100	7985N 11220E	100	60°	300°
MRRC101	7985N 11200E	99	60°	300°
MRRC102	7920N 11230E	100	60°	300°
MRRC103	7920N 11210E	99	60°	300°
MRRC104	7920N 11180E	99	60°	300°

TABLE 2

CHECK ASSAYS - MAUREEN & MAUREEN EXTENDED

HOLE NO	DEPTH	ORIGINAL ASSAY ASSAYCORP	DUPLICATE ASSAYCORP	DUPLICATE AMDEL
MRRC 100	2-3	1.93	1.81/1.83	1.67
				2.21/2.26
	3-4	17.6/16.9		16.20/16.10
	9-10	4.16/3.53		5.01/5.47
	17-18	1.21		1.12/1.09
	19-20	8.32/8.41		8.9/8.8
	25-26	0.48	0.41	-
	26-27	2.65/2.47		4.01/4.28
	31-32	1.48/1.38		
MRRC 101	5-6	0.03	0.03	
MRRC 103	6-7	0.92	1.22	

TABLE 3

GOLD STANDARD ASSAYS

STANDARD (ASSAY - Au g/t)	ASSAYCORP (Au g/t)	AMDEL (Au g/t)
A1 (0.10)	0.16	
E1 (0.02)	0.06	
F1 (0.25)	0.25 0.23 / 0.29	
G3 (blank)	0.04 <0.01 <0.01 0.05	<0.01
ST 16 (0.485)	0.48 0.52 0.50 0.29 0.49	
ST 09 (2.02)	1.93 1.97 / 2.18 1.86 / 2.06	2.00
ST 33 (4.28)	4.25 / 4.46 4.35 / 3.59 3.84 / 4.51 4.35 / 4.49	

Two previously drilled holes on 8120N intersected some narrow low grade structures. The points of intersection are a minimum 25-30m west of the projected stockwork trend (in the case of PNTAR50) therefore more extensive zones of mineralisation possibly exist east of the 11200E line. Apart from a 0.46 ppm assay from a massive quartz vein (8170N) other Au values from the dolerite in this area are insignificant, possibly due to extensive surface leaching. In fact none of the surface samples seem to mirror the comparatively high grades obtained in the costeans and near surface intersections in the drill holes.

Potential for further high grade but narrow pods of gold mineralisation exist. The southern end appears to be closed-off with either a faulted offset of the dolerite or a fold closure terminating the sill (Enclosure 5). Other (or the same sill folded/faulted) dolerites are evident to the immediate west in a drill hole and a costean but these are not mineralised. Minor elevated values occur in the sediments both on the eastern and western margins of the main dolerite, probably in quartz filled fractures related to the folding.

The northern end has greater potential due to the known extension of the quartz veined intrusion and the lack of sub-surface data.

8. EXPENDITURE

Wages	999
Contract Labour	185
Salaries	3,605
Consultants	3,136
Drilling	9,179
Printing and Stationery	47
Operating Stores	123
Drilling Consumables	155
Fuel	223
Tyres and Tubes	58
Assays	1,020
Equipment Hire	1,379
TOTAL	**$20,109**

9. REFERENCES

Australian Gold Mines NL, 1994. Prospectus, *Australian Gold Mines NL Prospectus*, pp 67-81 (unpublished).

Bosch, GL, Walker, MD, and Moore, J, 1989. EL 4943, Adelaide River. Annual Report for the period ending 30 September 1989, *Seltrust Mining Corporation Pty Ltd Report* (unpublished).

Nicholson, PM and Eupene, GS, 1984. Controls on gold mineralisation in the Pine Creek Inlier, in *Proceedings Darwin Conference, 1984,* pp 337-396. (The Australasian Institute of Mining and Metallurgy: Melbourne).

Nicholson, PM, 1980. The geology and economic significance of the Golden Dyke Dome, Northern Territory, in *Uranium in the Pine Creek Geosyncline* (Eds: J.Ferguson and AB Goleby), pp 319-334. (International Atomic Energy Agency: Vienna).

Nicholson, PM and Ormsby, WR, 1993. Geology, mineralisation and exploration strategy Pine Creek Inlier, *Aztec Mining Company Report* (unpublished).

APPENDIX I

RC DRILL LOGS

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 99

PROJECT: _____
PROSPECT: _____
LOCATION: _____

CO-ORDS: 11250E
8000N (ACTUALLY 7985N)
17-10-94 / 18-10-94

R.L. COLLAR: 98 m
INCLINATION: 60°
DIRECTION: 300° mag

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683307				1		Red to gy ms c interbd clay
				2		Laminated mauve/gy ms Hematite +/o
				3		As above
				4		Gy/mauve/red br. banded lam ms. Hem/lim. +/o
308				5		Lam/banded ms as above
				6		As above
				7		Gy/red br. lam. ms c bands of hematite
				8		as above, More hematitic c zone of white clay
309				9		Mottled banded gy/red brs hems lm +/o
				10		Banded lam. ms. Hematitic
				11		As above
				12		Banded/laminated ms gy/red br hem
310				13		as above
				14		Mauve/red br./gy lam. banded ms
				15		Soft pale gy clayey ms c hematite bands
				16		Mauve/lt. gy lam. ms Trace y br. lim.
311				17		Soft clayey ms. Lt gy-mauve
				18		Mauve/gy lam. soft ms c 2% lm veinig.
				19		Mauve → lt. gy soft lam ms 5% hematite - dk red br
				20		as above. Trace l mont
312				21		Soft med. gy clayey ms
				22		Soft green-grey clay

DRILL TYPE _____ DRILLED: _____
DRILLER _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 99

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
				23		as above
				24		as above ± hematite
683313				25		Gy lam. ms. Soft some hem stain
				26	1/5	Soft lt gy/mauve clayey ms
				27	9	Black graphitic ms
				28	9	Same
314				29	9	"
				30	9	"
				31	?	10% granule → soft red hematite clay. No cuttings
				32		Soft mauve ms No cuttings
315				33		As above
				34		"
				35		Mauve-gy silty ms
				36		As above
316	0.27			37	9	Gy ?carb. slst/ms ± gr clay + ms
				38		Strong hem/lim. alt in hard slst/ms
				39		Lt gy-mauve ms ± some hem/lim alteration
				40		Lt gy weathered silty/sandy Trace lim alt + some hem veins
317	0.19			41		as above Damp
				42		Gy/Reddish/red br slst/ms ± 20% gy br limonite
				43		WET as above. less limonite
				44		WET slst/ss + trace gy 60% homo limonite V. Poor sample recovery

DRILL TYPE _____ DRILLED: _____

DRILLER _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 99

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683318	0·19			45		Mostly qv ± strong hem/lm alt ferruginous WET
				46		60% qv + lm + hem ! wthrd DOLERITE WET
				47		As above "
				48		95% white qv + minor limonite/limonite & clay
6833 [redacted] 20	0·04			49		Contamination? Wet clay wthrd shst minor qv
				50		Pale gy/gn/mauve silty. ± 10% qv. wthrd DOLERITE
				51		90% white qv ± y br. limonite
				52		As above
321 [redacted]	0·19			53		Poor sample return. WET
				54		20% qv / limonite - hematite wthrd ?! DOLERITE
				55		40% qv ± hem-lm strongly altered ? DOL
				56		60% qv As above
683322	0·01			57		Mauve silty clay. Pulverized
				58		As above
				59		"
				60		minor qv " some contaminant?
[redacted]						

DRILL TYPE _____ DRILLED: _____

DRILLER _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

18/10/94

HOLE No: MRRC 100

PROJECT:
PROSPECT:
LOCATION:

CO-ORDS: 7985N. 11220E (moved 10 m W)

R.L COLLAR: 100
INCLINATION: 60°
DIRECTION: 300° mag

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683323	3·74			1		No Sample ?
	1·52			2		Weathered quartz / hematite ? dolerite c 10% qv.
	1·80			3		Br. wthrd lim/hem. ? dolerite c 20% white clay
	17·3			4		90% white qv ; 10% brown weathered dolerite / ms
324	3·46			5		Hematitic, minor limonite, wthrd DOLERITE. Minor qtz + clay
	3·94			6		As above Chlt + qv, white clay
	0·89			7		White - mauve decomp ? dolerite c 20% red br / y br. ferrug / qv.
	0·36			8		White ms Trace y br limonite trace Fe-stor
325	0·97			9		Lt gy - white slst / ms c 20% y br - lim veins + hematite
	3·85			10		Mauve wthrd dolerite ?? or slst c 20% ... y br lim & hem
	0·35			11		White clay c 10% y br lim & br - hematite Fe-stor
	0·07			12		White clay → mauve decomp ? ms / slst Neg limonite
326	0·37			13		Mauve - white decomp. slst ?? 5% lt. y br. limonite
	0·30			14		Mauve/grey granular decompose DOLERITE c 20% Fe-stone fragments
	0·36			15		White → pale mauve decomp ? dolerite c 5% lt y br limonite
	0·12			16		As above
327	4·11			17	↓	70% qv c abundant limonite & hematite. Br - dk br.
	1·21			18		Decomp. dolerite c 30% y br - dk br lim - hem + 5% qv.
	3·94			19		80% perv. alt. Limonite material c 20% qv. Gossanous
	8·36			20		50/50 y br limonite / white qv.
328	4·18			21		Alt. decomp. dolerite pervasively qv c limonite + hematite
	6·06			22		As above

DRILL TYPE:
DRILLED:
DRILLER:
LOGGED:

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 100

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
	0·15			23		Mauve silty clay. Completely pulverized
	0·24			24		As above
683329	0·39			25		Mauve, granular, decomp dolomite c 30% dk ferruginous veining + qv.
	0·41			26		Soft pervasive limonite, good mauve decomp dolomite
	2·54			27		As above + 50% qv & fr. limonite veins & some qv.
	19·4			28		Perv. qv - limonite veg / hematized Decomposed dolomite
330	0·76			29		Lt gy - mauve dolomite & veins of hematite ± limonite
	1·43			30		As above
	1·28			31		As above 50% lim/hem & 50% qv.
	1·43			32		Mauve DAMP silty clay
331	0·07			33		White clay
	0·42			34		Hard dk gy - hematite non-weathered dolomite
	0·10			35		As above. c limonite
	0·02			36		Dk. br. silty clay
332	0·05			37		Choc. br. silty clay
	1·27			38		As above. Lim/hem ? dolomite
				39		Hard lim/hem ?? dolomite. or ferrug. sediment
				40		Dk br. hematitic decomp. dolomite. Limonite + clay
333				41		As above
				42		As above
				43		As above
				44		As WET above

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 100

PROJECT: _____ CO-ORDS: _____ R.L. COLLAR: _____ m

PROSPECT: _____ _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION	WATER
683334				45		Dk br/Y. Br. Limonite/hem altered dolomite	
				46		As above	
				47		As above + yellow br. limonite	
				48		As above. Less ferrug	
683335							
STD.	ST16						

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED: _____

18/10/94

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 101

PROJECT: _____
PROSPECT: _____
LOCATION: _____

CO-ORDS: 7985N
11200E

R.L COLLAR: 99 m
INCLINATION: 60°
DIRECTION: 300° mag

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683336				1		Soil, rubble
				2		White & hematitic red clay. Hematite fragments
				3		80% white clay, mauve decomp. ? dolerite. Hematite
	0.07			4		Qv. hematitic & clayey decomp ? dolerite.
337	0.05			5		Mauve & lt. br. hem. decomp dolerite.
	0.03			6		Red, soft hematitic decomp. ? dolerite or grst
	0.03			7		Strong hem/lim. alt. 5% qv. Decomp dolerite
	8.14			8		As above. Soft. clayey, dec.
338	0.11			9		Red br/Y. br hem/lim. Soft decomp. ? dolerite
	0.10			10		60/40 br. Ferrug. dolerite/ mauve, soft decomp. dolerite
	0.04			11		As above
	0.03			12		as above more ferrug Some white clay
339	3.00			13		Soft mauve, decomp. dolerite 20% y br. lim ; 10% white clay
	1.70			14		Hem-lim. altered dolerite minor clay
	1.14			15		As above
		3.00		16	↓	70% qv in decomp. soft dolerite c y br lim & red br. hematite
340		1.70		17		Mauve/grey soft decomp. dolerite — 10% hematite
	1.14			18		As above c 5% qv.
	0.59			19		Decomp dolerite as above c 60% y br. limonite
	0.36			20		Mauve dolerite, less decomp- -osed 20% y br. limonite
341				21		Mauve, white decomp dolerite minor qv. 10% hem-lim - Clay
				22		50/50 red hematite/white qv.

DRILL TYPE: _____ DRILLED: _____

DRILLER _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRR 101

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
				23		60/40 mauve dolerite/white qv.
				24	↓	White/mauve clay
683342				25		Red br hematite & white clay
				26		70/30 white clay/hematite & clay.
				27		Red/mauve hematitic silty clay
				28		Red br. hematitic clay
343				29		As above
				30		"
				31		"
				32	↑	WET Red br. clay. Qtz fragments
344				33		Mauve decomp. dolerite.
				34		As above
				35	/	50/50 as above/red hematite
				36		Red hematitic silty clay
345				37		As above
				38		Grey-br. clay. ?dolerite
				39		As above
				40		Choc. br. clay.
346				41		As above
				42		"
				43		Grey-red br hematitic dolerite
				44		Choc br-clay: hem dolerite

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED: _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 101

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
347				45		As above
				46		Mauve-chx. clay
				47		As above
				48		Red br. hem. dolente.

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED: _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 102

PROJECT: ______ CO-ORDS: 7920N / 11230E R.L COLLAR: 100 m

PROSPECT: ______ INCLINATION: 60°

LOCATION: ______ 18/10/94 DIRECTION: 300 mag

SAMPLE No.	4m Au	1m Au	SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683348				1		No Sample
				2		90% hematite c̄ 2% qv. & white clay
				3		white to grey ms/slst c̄ 20% hematite staining
				4		mauve to white decomposed ? slst c̄ hematite staining
349				5		white decomp. slst c̄ red hematitic clay
				6		as above c̄ 30% mauve - red hematitic alteration
				7		Mauve decomp. dolerite & red hem. ms. Hem. t/o. Trace limonite
				8		Mauve decomp. DOLERITE
350				9		As above
				10		"
				11		"
				12		"
351	0.35 (0.37)			13		" Trace y br. limonite
				14		As above c̄ 10% limonite
				15		Lim/hem. soft decomposed dolerite, Light brown
				16		As above Mauve → brown
352	0.34 (0.33)			17		Red br. v. hematitic decomp. dolerite. Trace limonite.
				18		Grey, gy, gn/mauve decomp. dolerite c̄ trace qv. & hematite
				19		Lt gn - gy - mauve dolerite altered c̄ trace qv & hematite
				20		Lt - gy/white decomp. dolerite c̄ qv.
353				21		As above
				22		100% qtz - hematite veining

DRILL TYPE ______ DRILLED: ______

DRILLER ______ LOGGED ______

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 102

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
				23		as above
				24		"
683354				25		"
				26		Grey, decomposed, dolomitic
				27		as above. Trace qv.
				28		Mauve decomp dolomite. White clay. Trace qv.
355				29		as above
				30		"
				31		as above Slightly hematitic
				32		White clay
356				33		Hematitic mauve dolomite
				34		Hematitic red clay
				35		as above
				36		as above Trace qv.
357				37		as above. No qv.
				38		Dk. br. strongly hematitic dolomite ± 2% qv
				39		as above but ± 20% white clay
				40		white clay, 20% qv & 5% v br. limonite
358	0.41			41		Gy dolomite ± white clay + 5% limonite.
				42		Strong limonitic qv. f/o
				43		Brown clay, decomp. dolomite trace white qv.
				44		Strong limonitic qv.

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 102

PROJECT: ______ CO-ORDS: ______ R.L COLLAR: ______ m
PROSPECT: ______ ______ INCLINATION: ______
LOCATION: ______ DIRECTION: ______

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683359	0·13			45		Mauve soft dolerite c̄ trace qv + y br. limonite
				46		Green chloritic dolerite
				47		As above
				48		"

DRILL TYPE: ______ DRILLED: ______
DRILLER: ______ LOGGED: ______

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 103

PROJECT: ______ CO-ORDS: 7920N / 11210E R.L COLLAR: 99 m

PROSPECT: ______ INCLINATION: 60

LOCATION: ______ 19-10-94 DIRECTION: 300 mag

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683360	0·68			1		Rubble / soil
				2		80% y br/lt. br. limonite ?dolerite or sed. + 5% qv
				3		White to lt br. limonitic 10% red br. hematitic
				4		White wthrd ?silty 40% y. br limonite
361	0·69			5		Dk br → y. br. hematitic/limonitic alt./decomp. Dolerite
				6		Mauve/gy/ y br. v. limonitic decomp. dolerite.
				7		Mostly limonitic y br, soft decomp. dolerite - Some white clay
				8		Lt. gy ?dolerite c̄ 70% y br. limonite
362	0·73			9		Mostly white clay & decomposed ? 20% limonite
				10		White - lt. gy decomp dolerite 40% lim. 10% hematite
				11		Strong lim/hem alteration in decomp. dolerite
				12		Mauve-white clayey decomp dol. c̄ 20% hem alteration
363				13		White - pale br. clay c̄ hem-lim alt - [illegible]
				14		Ferruginous ?dol 90% lim-hem. alt.
				15		Strong lm. alt. in weathered dolerite.
				16		Strong limonite qv. 30% qtz + lim/hem/?dolerite
364				17		Red hematitic clay
				18		As above
				19		[illegible]ly hem? decomposed dolerite
				20		Limonitic/pale green soft decomp. dolerite
365				21		As above More hematite
				22		Limonitic dolerite c̄ 10% qv

DRILL TYPE ______ DRILLED ______

DRILLER ______ LOGGED ______

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 103

PROJECT: _____ CO-ORDS: _____ R.L COLLAR: _____ m

PROSPECT: _____ _____ INCLINATION: _____

LOCATION: _____ DIRECTION: _____

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
				23		White clay ō pervasive limonite/hem. alteration
				24		20% qv ± strong pervasive hematite, minor lim. alteration
366				25		Mauve-white clay. 10% hematite.
				26		White clay & mauve decomp dolerite
				27		Mauve-gy lim/hem. ? ms.
				28		As above ± 15% qv minor limonite
367				29		Mauve clay & hematite
				30		As above
				31		Mauve & lt. gy-gn/red of. hem decomp dolerite
				32		As Above
368				33		As above + 5% qv.
				34		Strong hem/lim alteration ± trace qv. Red clay
				35		As above
				36		Decomp. greenst. soft dolerite Pervasive hem. alteration Trace qv
369				37		Mauve-white clay 20% hematite.
				38		Mauve-white clay Decomp ± lim/hem dolerite
				39		Clay & limonite
				40		white-mauve soft dec. dolerite 5% lim. trace qv
370				41		~~Grade~~ - As above
				42		Greenst-gy decomp dolerite. Lt. br. hematitic clay
				43		As above
				44		〃

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 103

PROJECT:
CO-ORDS:
R.L COLLAR: m
PROSPECT:
INCLINATION:
LOCATION:
DIRECTION:

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683371				45		Red clay - hematite
				46		as above
				47		Lim/hem. c̄ qv. 5%.
				48		green/grey ! chlorite decomp dolerite
				49		as above 10% hematite
683372				50		as above WET Increasing hem alt
~~STD~~ ~~09~~				51		As above c̄ 30% dk red &/or hematite.
				52		80% v br. lim / 15% hem + 5% qv.
373				53		Hem-lim-clay - decomp dolerite
				54		as above
				55		"
				56		"
374				57		greenish decomp dolerite pyritic - 3%
				58		as above. Less pyrite
				59		green chlor. dolerite
				60.		as above
375						
STD						
ST09						

DRILL TYPE:
DRILLED:
DRILLER:
LOGGED:

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 104

PROJECT: _____
PROSPECT: _____
LOCATION: _____

CO-ORDS: 7920N
11180E.
19-10-94.

R.L COLLAR: 99 m
INCLINATION: 60
DIRECTION: 300° mag

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
683376				1		Rubble & soil
				2		Gy ms, 10% lim, trace hem
				3		70/30 y br. lim. ms / gy ms. Trace hem
				4		50/50 as above + White clay. Trace qv.
377				5		30/70 as above. 5% hem veining Trace qv.
				6		mauve/gy ms. Soft. weathered 20% lim + 5% hem
				7		white clay ± 20% hem lim. alt.
				8		Gy-mauve lam ms ± 10% lim. trace hem. Trace Fe-qv.
378				9		As above. 10% y br lim. some dk Fe veining alteration
				10		White-mauve clay. Trace h-l.
				11		Gy-mauve lam. ms. 20% y br. lim. alt.
				12		As above. 5% limonite
379				13		" 25% "
				14		Mostly lt. gy lam ms Trace lim.
				15		Gy-mauve ms. 10% y br. lim..
				16		As Above <5% limonite
380				17		Mauve/red br/y br. strongly hem ms ± lesser limonite
				18		Lt red br/mauve lam ms Trace limonite.
				19		Lt gy/mauve ms 20% y br. limonite.
				20		Lt gy/mauve/reddish clayey ms Trace y br lim.
381				21		Lt gy lam ms. 15% limonite
				22		Lt gy/reddish/lt br. ms 5% limonite
				23		Red → lt. gy ms ± dk fer veining 10%

DRILL TYPE: _____ DRILLED: _____

DRILLER: _____ LOGGED _____

NICRON RESOURCES
LOG OF REVERSE CIRCULATION
PERCUSSION DRILL HOLE

HOLE No: MRRC 104

PROJECT:
PROSPECT:
LOCATION:
CO-ORDS:
R.L COLLAR:
INCLINATION:
DIRECTION:

SAMPLE No.			SAMPLE COLOUR	DEPTH m	LOG	DESCRIPTION
				24		Pervasive dk hem & y br lim alt in lt gy reddish ms. ≤80%
382				25		As above Some white clay
				26		Lt gy soft ms. 20% dk hem/y br. lim. alteration
				27		as above 30% Fe.
				28		30/70 grey ms c̄ y br. limonite.
383				29		Ferrug. gy br. ms. 70% hem/lim. alteration
				30		70% lim alt c̄ 10% qv. Trace dk red br hem.; lt br. clayey m
				31		Mauve ms. 10% y br. limonite.
				32		Gy ms. c̄ 30% limonite
384				33		Mauve-gy ms. 40% y br. limonite
				34		Mauve lam. ms.
				35		As above c̄ 40% y. br. limonite
				36		as above
385				37		Mauve - red br. slightly hem ms WET.
				38		Mauve ms c̄ 20% y br. limonite
				39		Red br/y br. hem/lim. ms. 5% qv.
				40		Mauve/y br. lim. ms.
386				41		as above Trace dk. hem. veining
				42		as above
				43		Gy-mauve lam. ms
				44		Gy ms. c̄ 20% dk red-br hem alt & trace limonite
387				45		As above
				46		Gy-mauve ms 20% comb. hem/lim

46 ↓

DRILL TYPE: DRILLED:
DRILLER: LOGGED:

→ SEE OVER ~~PAGE~~

APPENDIX II

ASSAY RESULTS

MRRC99	0	4	0.02
MRRC99	4	8	0.03
MRRC99	8	12	0.01
MRRC99	12	16	0.02
MRRC99	16	20	0.04
MRRC99	20	24	0.02
MRRC99	24	28	0.03
MRRC99	28	32	0.02
MRRC99	32	36	0.27
MRRC99	36	40	0.19
MRRC99	40	44	0.19
MRRC99	44	48	0.04
MRRC99	48	52	0.19
MRRC99	52	56	0.19
MRRC99	56	60	0.03
MRRC100	0	1	3.74
MRRC100	1	2	1.53
MRRC100	2	3	1.95
MRRC100	3	4	16.7
MRRC100	4	5	3.46
MRRC100	5	6	3.79
MRRC100	6	7	0.89
MRRC100	7	8	0.36
MRRC100	8	8	0.97
MRRC100	9	10	4.54
MRRC100	10	11	0.35
MRRC100	11	12	0.07
MRRC100	12	13	0.37
MRRC100	13	14	0.31
MRRC100	14	15	0.36
MRRC100	15	16	0.12

MRRC100	16	17	4.11
MRRC100	17	18	1.14
MRRC100	18	19	3.94
MRRC100	19	20	8.60
MRRC100	20	21	4.13
MRRC100	21	22	6.06
MRRC100	22	23	0.15
MRRC100	23	24	0.24
MRRC100	24	25	0.39
MRRC100	25	26	0.44
MRRC100	26	27	3.35
MRRC100	27	28	19.4
MRRC100	28	29	0.76
MRRC100	29	30	1.43
MRRC100	30	31	1.28
MRRC100	31	32	1.43
MRRC100	32	33	0.07
MRRC100	33	34	0.42
MRRC100	34	35	0.10
MRRC100	35	36	0.02
MRRC100	36	40	0.34
MRRC100	40	44	0.37
MRRC100	44	48	0.10
MRRC101	0	4	0.23
MRRC101	4	5	0.06
MRRC101	5	6	0.03
MRRC101	6	7	0.16
MRRC101	7	8	8.14
MRRC101	8	12	0.17
MRRC101	12	13	0.10
MRRC101	13	14	0.04
MRRC101	14	15	0.03
MRRC101	15	16	3.00
MRRC101	16	17	1.70
MRRC101	17	18	1.14
MRRC101	18	19	0.59
MRRC101	19	20	0.36
MRRC101	20	24	0.18
MRRC101	24	28	0.09
MRRC101	28	32	0.05
MRRC101	32	36	0.03
MRRC101	36	40	0.02
MRRC101	40	44	0.02
MRRC101	44	48	0.02
MRRC102	0	4	0.03
MRRC102	4	8	0.01
MRRC102	8	12	0.06
MRRC102	12	16	0.32
MRRC102	16	20	0.33
MRRC102	20	24	0.06
MRRC102	24	28	0.13
MRRC102	28	32	0.05
MRRC102	32	36	0.08
MRRC102	36	40	0.04
MRRC102	40	44	0.41
MRRC102	44	48	0.13
MRRC103	0	1	1.71
MRRC103	1	2	2.07
MRRC103	2	3	0.29
MRRC103	3	4	0.21
MRRC103	4	5	0.31
MRRC103	5	6	0.70
MRRC103	6	7	1.07
MRRC103	7	8	0.42

MRRC103	8	8	0.15
MRRC103	9	10	0.16
MRRC103	10	11	1.39
MRRC103	11	12	0.29
MRRC103	12	16	0.25
MRRC103	16	20	0.08
MRRC103	20	24	0.13
MRRC103	24	28	0.11
MRRC103	28	32	0.04
MRRC103	32	36	0.05
MRRC103	36	40	0.03
MRRC103	40	44	SNR
MRRC103	44	48	0.03
MRRC103	48	52	0.01
MRRC103	52	56	0.01
MRRC103	56	60	0.01
MRRC104	0	4	0.21
MRRC104	4	8	0.08
MRRC104	8	12	0.06
MRRC104	12	16	0.03
MRRC104	16	20	0.03
MRRC104	20	24	0.03
MRRC104	24	28	0.04
MRRC104	28	32	0.05
MRRC104	32	36	0.07
MRRC104	36	40	0.08
MRRC104	40	44	0.07
MRRC104	44	48	0.03

ASSAYCORP PTY LTD

A.C.N. 052 982 911

174 Ward Street, Pine Creek, N.T. 0847

P.O. Box 41, Pine Creek, N.T. 0847

Telephone (089) 76 1262

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27 OCT 1994

ASSAY CODE: AC 17513

Nicron Resources Limited

MAUREEN OPTION

Distribution

P.MELVILLE

Client Reference: 3592

Project : MAUREEN.

Cost Code: RC DRILLING

Date Received: 20/10/1994

Number of Samples: 387

Sample Preparation 4M COMPOSITE SAMPLES.

Analysis	Analytical Technique	Precision & Accuracy	Detection Limit	Data Units
Au	FA/GC	Acc. ± 15%	0.01	ppm
Au(R)	FA/GC	Acc. ± 15%	0.01	ppm

Authorisation: Ray Wooldridge

Report Dated: 23/10/1994

ASSAYCORP PTY LTD
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174 Ward Street, Pine Creek, N.T. 0847
P.O. Box 41, Pine Creek, N.T. 0847
Telephone (089) 76 1262
Facsimile (089) 76 1310

ASSAY CODE: AC 17513

Sample	Au (ppm)	Au(R) (ppm)		
683306	0.16	0.19	52-56-57 EOH	
683307	0.05		0-4	
683308	0.02		-8	
683309	0.03		-12	
683310	0.01		-16	
683311	0.02		-20	
683312	0.04		-24	
683313	0.02		-28	MRRC 99
683314	0.03		-32	
683315	0.02		-36	
683316	0.29	0.26	-40	
683317	0.19		-44	
683318	0.19		-48	
683319	0.04		STANDARD	
683320	0.19		-52	
683321	0.19		-56	
683322	0.03		56 - 60 EOH	
683323	6.86	6.90	0 - 4	
683324	1.68	1.55	-8	MRRC 100
683325	2.14	2.00	-12	

ASSAYCORP PTY LTD
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P.O. Box 41, Pine Creek, N.T. 0847
Telephone (089) 76 1262
Facsimile (089) 76 1310

ASSAY CODE: AC 17513

Sample	Au (ppm)	Au(R) (ppm)		
683326	0.62	0.50	12-16	
683327	4.15	3.86	-20	
683328	2.62	2.67	-24	
683329	6.62	6.39	-28	
683330	1.80	1.76	-32	MRRC 100
683331	0.80		-36	
683332	0.34		-40	
683333	0.37		-44	
683334	0.10		44-48 EOH	
683335	0.48		STANDARD	
683336	0.19	0.27	0-4	
683337	2.39	2.25	-8	
683338	0.17		-12	
683339	0.42		-16	MRRC 101
683340	0.90		-20	
683341	0.18		-24	
683342	0.09		-28	
683343	0.05		-32	
683344	0.03		-36	
683345	0.02		-40	
683346	0.02		-44	
683347	0.02		44-48 EOH	
683348	0.03		0-4	
683349	0.01		-8	
683350	0.06		-12	

ASSAYCORP PTY LTD
A.C.N. 052 982 911
174 Ward Street, Pine Creek, N.T. 0847
P.O. Box 41, Pine Creek, N.T. 0847
Telephone (089) 76 1262
Facsimile (089) 76 1310

ASSAY CODE: AC 17513

Sample	Au (ppm)	Au(R) (ppm)		
683351	0.35	0.29	12-16	
683352	0.34	0.32	-20	
683353	0.06		-24	
683354	0.13		-28	
683355	0.05		-32	MRRC 102
683356	0.08		-36	
683357	0.04		-40	
683358	0.41	0.41	-44	
683359	0.13		44-48 EOH	
683360	0.69	0.67	0-4	
683361	0.74	0.64	-8	
683362	0.74	0.72	-12	
683363	0.25		-16	
683364	0.08		-20	
683365	0.13		-24	
683366	0.11		-28	
683367	0.04		-32	MRRC 103
683368	0.05		-36	
683369	0.03		-40	
683370	<< Sample not received >>		-44	
683371	0.03		-48	
683372	0.01		-52	
683373	0.01		-56	
683374	0.01		56-60 EOH	
683375	1.93		STANDARD	

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Facsimile (089) 76 1310

ASSAY CODE: AC 17513

Sample	Au (ppm)	Au(R) (ppm)		
683376	0.21		0 – 4	
683377	0.08		– 8	
683378	0.04	0.07	– 12	
683379	0.03		– 16	
683380	0.03		– 20	MRRC 104
683381	0.03		– 24	
683382	0.04		– 28	
683383	0.05		– 32	
683384	0.07		– 36	
683385	0.08		– 40	
683386	0.06	0.08	– 44	
683387	0.03		44 – 48 EOH	

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Facsimile (089) 76 1310

ASSAY CODE: AC 17900

Nicron Resources Limited

MAUREEN

Distribution
IAN BUTLER

Client Reference: 3599
Project : MAUREEN
Cost Code: RC DRILLING - 1M INTERVALS.

Date Received: 06/11/1994
Number of Samples: 299

Sample Preparation

Analysis	Analytical Technique	Precision & Accuracy	Detection Limit	Data Units
Au	FA50	Acc. ± 15%	0.01	ppm
Au(R)	FA50	Acc. ± 15%	0.01	ppm
Au(R)	FA50	Acc. ± 15%	0.01	ppm

Authorisation: Ray Wooldridge
Report Dated: 09/11/1994

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Telephone (089) 76 1262
Facsimile (089) 76 1310

ASSAY CODE: AC 17900

Sample	Au (ppm)	Au(R) (ppm)	Au(R) (ppm)	
683512	3.74		0-1	
683513	1.53	1.52	1-2	
683514	1.93		2-3	
683515	17.6	16.9	3-4	
683516	3.46		4-5	
683517	3.94	3.65	5-6	
683518	0.89		6-7	
683519	0.36		7-8	
683520	0.97		8-9	
683521	4.16	3.53	9-10	MRRC 100
683522	0.35		10-11	
683523	0.07		11-12	
683524	0.37		12-13	
683525	0.34	0.27	13-14	
683526	0.36		14-15	
683527	0.12		15-16	
683528	4.20	4.02	16-17	
683529	1.21		17-18	
683530	3.94		18-19	
683531	8.32	8.41	19-20	
683532	4.13	4.22	20-21	
683533	6.06		21-22	
683534	0.15		22-23	
683535	0.24		23-24	
683536	0.39		24-25	

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Facsimile (089) 76 1310

ASSAY CODE: AC 17900

Sample	Au (ppm)	Au(R) (ppm)	Au(R) (ppm)	
683537	0.41		25-26	MRRC 100
683538	2.65	2.47	26-27	
683539	19.1	19.8	27-28	
683540	0.76		28-29	
683541	1.43		29-30	
683542	1.28		30-31	
683543	1.48	1.38	31-32	
683544	0.07		32-33	
683545	0.42		33-34	
683546	0.10		34-35	
683547	0.02		35-36	
683548	0.05		37-38	
683549	1.20	1.35	37-38	
683825	0.48	DUPLICATE	25-26 MRRC100	
683826	0.08	0.07	3-4	
683827	0.06	0.05	4-5	MRRC 101
683828	0.03		5-6	
683829	0.03		5-6 (Duplicate)	
683830	0.16		6-7	
683831	8.10	8.17	7-8	
683832	0.11		11-12	
683833	0.10		12-13	
683834	0.04		13-14	
683835	0.03		14-15	
683836	3.49	2.44	3.06 15-16	

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Facsimile (089) 76 1310

ASSAY CODE: AC 17900

Sample	Au (ppm)	Au(R) (ppm)	Au(R) (ppm)	
683837	1.96	1.45	16-17	MRRC 101
683838	1.14		17-18	
683839	0.59		18-19	
683840	0.36		19-20	

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ASSAY CODE: AC 17900

Sample	Au (ppm)	Au(R) (ppm)	Au(R) (ppm)	
684070	1.71		0-1	
684071	1.76	2.39	1-2	
684072	0.29		2-3	MRRC
684073	0.21		3-4	
684074	0.31		4-5	103
684075	0.70		5-6	
684076	0.92		6-7	
684077	1.22		6-7	(duplicate)
684078	0.42		7-8	
684079	0.15		8-9	
684080	0.16		9-10	
684081	1.41	1.36	10-11	
684082	0.29		11-12	
684083	1.86	2.06	STANDARD	
683370	0.03	0.05		
683824	1.81	1.83	2-3m MRRC 100 m duplicate	

MAUREEN

amdel

RECEIVED
21 NOV 1994
BY MAIL

21 Marjorie Street, Berrimah, Northern Territory
Postal Address : P.O. Box 58, Berrimah, N.T. 0828
Telephone: (089) 322 637 Facsimile: (089) 323 531

PAUL MELVILLE
NICRON RESOURCES LIMITED
WOODCUTTERS MINE
PMB 60
WINNELLIE
N.T 0821

ANALYSIS REPORT :

Your Reference	: 3815	Our Reference	: 4DN1606
Samples Received	: 08/11/94	Results Reported	: 09/11/94
Number of Samples	: 5	Report Pages	: 1 to 1

This report relates specifically to the samples tested in so far as the samples supplied are truly representative of the sample source.

If you have any enquiries please contact the undersigned quoting our reference as above.

Report Codes:
N.A. -Not Analysed
L.N.R. -Listed But Not Received
I.S. -Insufficient Sample

Approved Signature:

for

Mr Russell Holtham
Manager - Darwin
AMDEL LABORATORIES LIMITED
A.C.N. 009 076 555

amdel

Job: 4DN1606
O/N: 3815

Final

ANALYTICAL REPORT

SAMPLE	Au	AuDp1			
684084	1.57	1.77	MRRC	100	2-3
684085	1.79	1.84	MRRC	85	2-3
684086	5.84	6.08	MRRC	96	2-3
684087	5.00	4.89	MRRC	87	66-67
684088	3.55	4.28	MRRC	98	42-43

UNITS	ppm	ppm
DET.LIM	0.01	0.01
SCHEME	FA1	FA1

APPENDIX III

DRILLHOLE GEOLOGY

SUMMARY

KEY

h	-	hematitic
g	-	gossanous
l	-	limonitic
fer	-	ferruginous
cbc	-	carbonaceous
q	-	quartz
blc	-	bleached
cl	-	chloritic
v	-	veined

Ssm	-	mudstone
Dol	-	dolerite
Sif	-	iron formation
Sct	-	chert

MRRC99	0	25	Ssm h l cl
MRRC99	25	31	Ssm g
MRRC99	31	36	Ssm
MRRC99	36	37	Ssm g
MRRC99	37	43	Ssm h l
MRRC99	43	60	Dol q v l
MRRC100	0	7	Dol h l q v
MRRC100	7	16	Dol blc h l
MRRC100	16	31	Dol q-h-l-v
MRRC100	31	33	cl
MRRC100	33	35	Dol
MRRC100	35	37	cl
MRRC100	37		Dol h l
MRRC101	0	15	Dol h l cl
MRRC101	15	23	Dol h l q v
MRRC101	23	32	cl h blc
MRRC101	32	35	Dol h
MRRC101	35	42	cl h
MRRC101	42	48	Dol h cl
MRRC102	0	6	Ssm h cl
MRRC102	6	13	Dol
MRRC102	13	17	Dol l
MRRC102	17	25	Dol q v l h
MRRC102	25	37	Dol h cl
MRRC102	37	45	Dol h l q v
MRRC102	45	48	Dol chl
MRRC103	0	13	Dol l h q bl
MRRC103	13	28	Dol h l q cl
MRRC103	28	56	Dol h l q v
MRRC103	56	60	Dol chl py
MRRC104	0	48	Ssm h l q v


LEGEND
FERRICRETE
Sm MUDSTONE
St SILTSTONE
Sch CHERT
IRON FORMATION Sf1 laminated Sf2 massive
ST TOURMALINE-BEARING SILTSTONE
TS TUFF (TUFFACEOUS CHERT)
Xd DOLERITE
QUARTZ VEIN
Py PYRITE
A ARSENOPYRITE
FeOx IRON OXIDE
MnOx MANGANESE OXIDE
lim LIMONITE
haem HAEMATITE
sil SILICEOUS
ser SERICITE
BRECCIA
BEDDING
CLEAVAGE
JOINT
QUARTZ VEIN (MINOR)
SHEAR
WRENCH FAULT (? - SENSE UNKNOWN)
UNDIFFERENTIATED FAULT
SYNCLINAL AXIS
ANTICLINAL AXIS
BEDDING/CLEAVAGE INTERSECTION LINEATION
MINOR FOLD AXIS
FACING (SEDIMENTARY)
GEOLOGICAL BOUNDARIES
OUTCROP LIMIT
APPROXIMATE
INFERRED
TRACK
FENCE
CREEK
COSTEAN
PNTAR- PERCUSSION DRILL HOLE (1987)
DNTAR- DIAMOND DRILL HOLE (1987)
• 128 ROCKCHIP SAMPLE LOCATION (PREFIX LB2-)
GRID NORTH
MAG NORTH
30°
SCALE 1:1000
40 0 40 80
METRES
MAP LOCATION
N.T.
W.A.
QLD.
S.A.
N.S.W.
VIC.
TAS.
LOW STRIKE RIDGE
Wildman Siltstone
Koolpin Formation
Gerowie Tuff
BASELINE 10000E
T2
T3
T11
T12
T13
T14
T15
T16
T17
T18
NORMANDY METALS LTD.
ADELAIDE RIVER PROJECT
EL 4943
MAUREEN PROSPECT
GEOLOGY
LOCATED ON DARWIN 1:250000 SHEET
COMPILED G. BOSCH DEC. 88 LAST REVISION
DRAWN K.G.F. JAN. 89 ORIGINAL HELD
CHECKED DRAWING NUMBER ENCLOSURE 1

CR95/116B

MAUREEN EXTENDED PROSPECT SHEET 2 (SOUTH)

GEOLOGY & ROCK CHIP GOLD RESULTS WITH SOIL SAMPLE LINE, TRENCH & DRILLHOLE LOCATIONS

NORMANDY METALS LTD.

After G Bosch et al 1989

ENCLOSURE 1

TRENCH 5

TRENCH 6

TRENCH 7

TRENCH 8500 N

TRENCH 8252 N

TRENCH 7960 N

TRENCH 8

TRENCH 7703 N

TRENCH 7600 N

TRENCH 7412 N

TRENCH 9

TRENCH 10

TRENCH 7041 N

MAUREEN EXTENDED PROSPECT

SOIL SAMPLE TRAVERSE

SOIL SAMPLE TRAVERSE

SWAMP

WILDMAN SILTSTONE

LOCATION OF PROSPECT

SCALE 1 : 2 500

0 50 100 200 300m

TN MN GN 3.0°

PNTAR- PERCUSSION DRILL HOLE

DNTAR- DIAMOND DRILL HOLE

*L 82128 ROCKCHIP SAMPLE LOCATION

FERRICRETE

Sm MUDSTONE

Si SILTSTONE

Sch CHERT

IRON FORMATION Sf1 laminated Sf2 massive

ST TOURMALINE-BEARING SILTSTONE

TS TUFF (TUFFACEOUS CHERT)

Xd DOLERITE

QUARTZ VEIN

py PYRITE

as ARSENOPYRITE

FeOx IRON OXIDE

MnOx MANGANESE OXIDE

lim LIMONITE

haem HAEMATITE

sil SILICEOUS

ser SERICITE

BRECCIA

BEDDING

CLEAVAGE

JOINT

QUARTZ VEIN (MINOR)

SHEAR

WRENCH FAULT (+/- SENSE UNKNOWN)

UNDIFFERENTIATED FAULT

SYNCLINAL AXIS

ANTICLINAL AXIS

BEDDING/CLEAVAGE INTERSECTION LINEATION

MINOR FOLD AXIS

FACING (SEDIMENTARY)

GEOLOGICAL BOUNDARIES

OUTCROP LIMIT

APPROXIMATE

INFERRED

TRACK

FENCE

CREEK

TRENCH

LINE OF SOIL SAMPLES


MAUREEN EXTENDED PROSPECT
SURFACE PROJECTION OF MINERALISATION
AND GEOLOGY
Enclosure 2
MN
GN
30°
0 10 50 100m
Surface projection of stockwork type gold mineralisation
Dolerite
Drill hole
Costean
Bedding
Foliation
11000E
11200E
11300E
8400N
8200N
8000N
7800N
7600N
8252N
7960N
7703N
PNTAR 59
PNTAR 19
PNTAR 46
PNTAR 47
PNTAR 48
PNTAR 49
PNTAR 50
PNTAR 51
PNTAR 53
PNTAR 54
PNTAR 56
PNTAR 57
PNTAR 58
MRRC 99
MRRC 101
MRRC 102
PNTAR
80
65
82
71
85

Woodcutters Mine

	Init	Date
Surveyor	IB	
Drawn		
Checked		
Approved		

EXPLORATION DEPARTMENT

MAUREEN EXTENDED PROSPECT

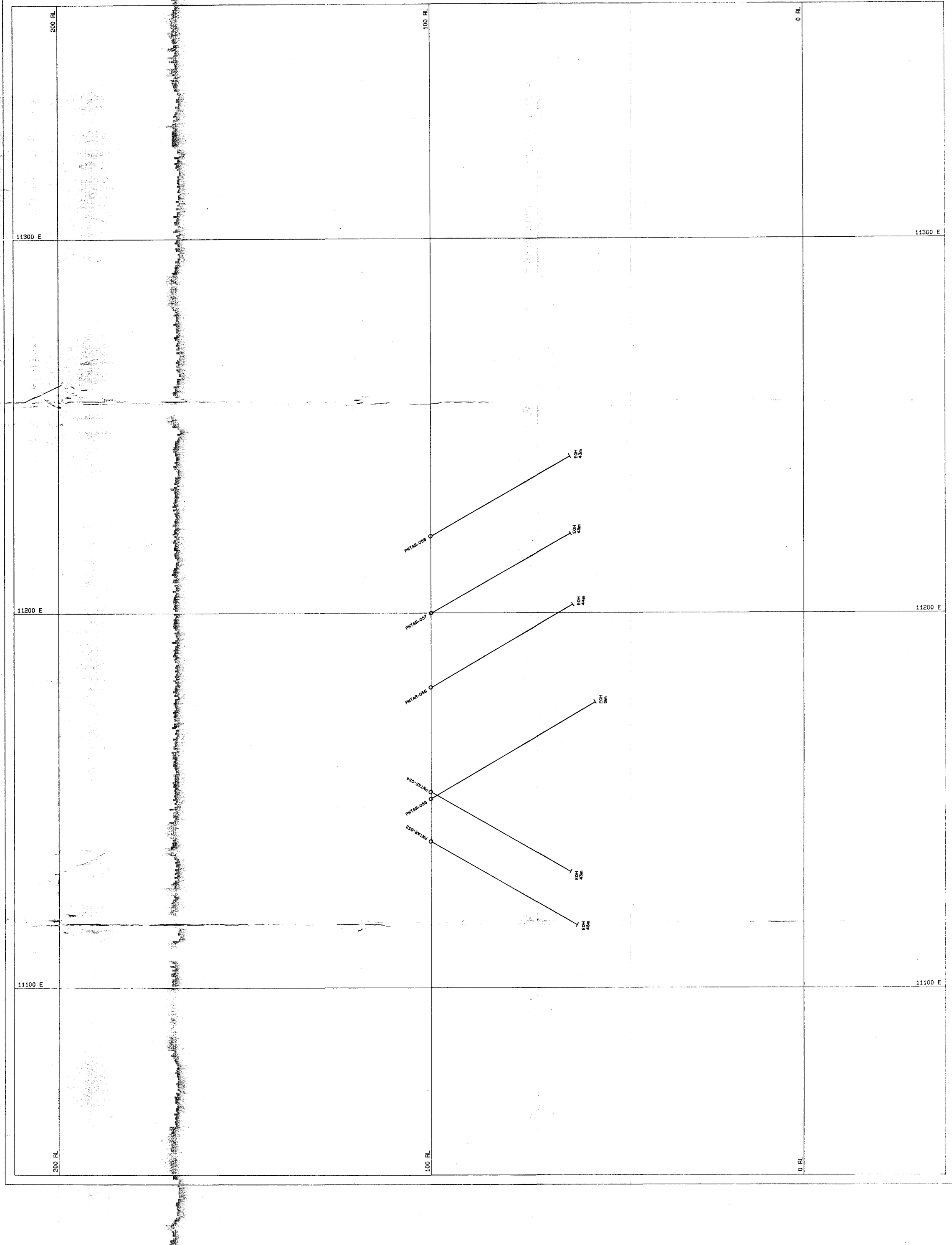
SECTION 7880N

File :MAUREEN

Scale :1 : 500

Date :18 Nov 1994

ENCLOSURE 3



Woodcutters Mine

	Init	Date
Surveyor	IB	
Drawn		
Checked		
Approved		

EXPLORATION DEPARTMENT

MAUREEN EXTENDED PROSPECT

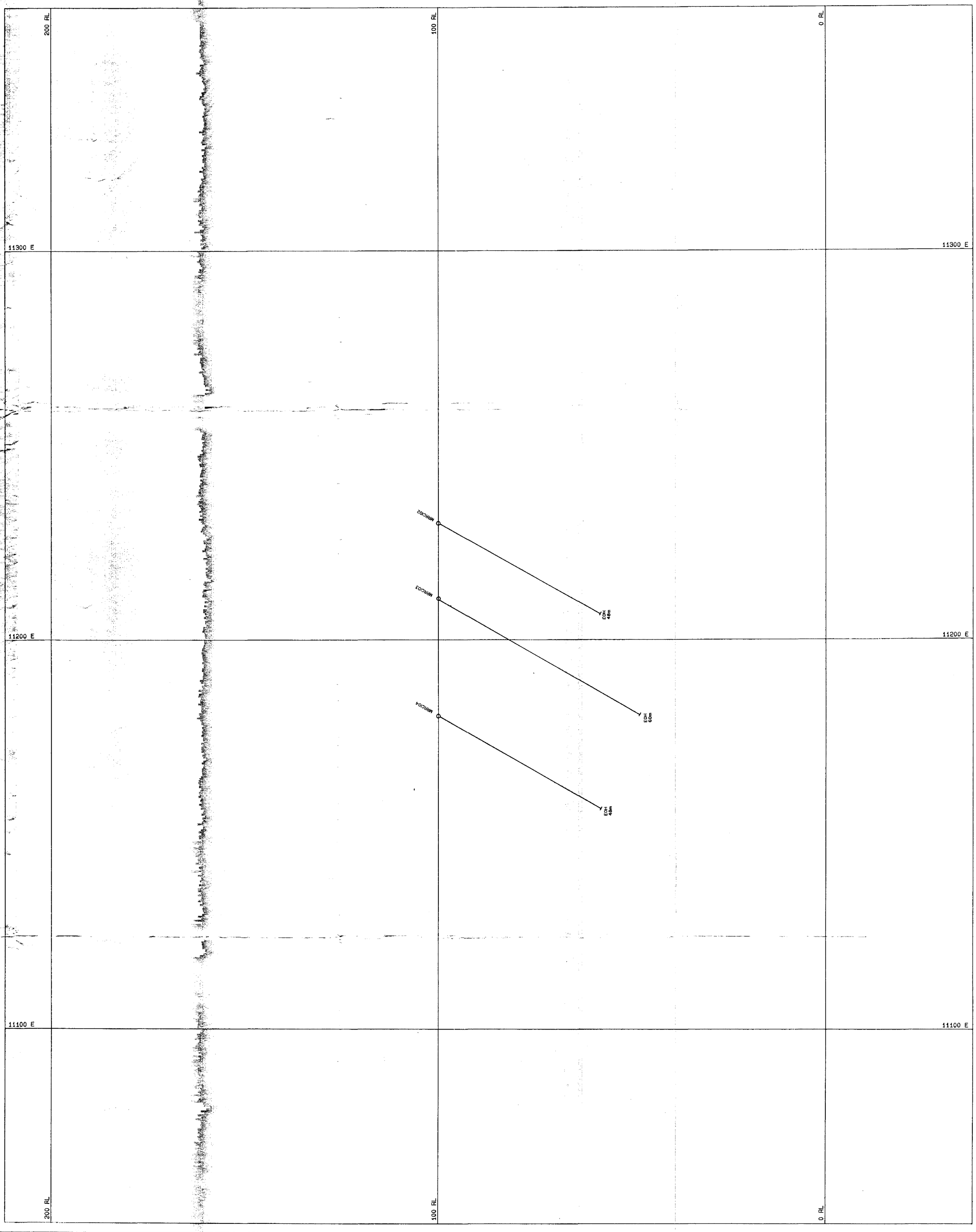
SECTION 7920N

File :MAUREEN

Scale :1 : 500

Date :18 Nov 1994

ENCLOSURE 4



Woodcutters Mine

	Init	Date
Surveyor	IB	
Drawn		
Checked		
Approved		

EXPLORATION DEPARTMENT

MAUREEN EXTENDED PROSPECT

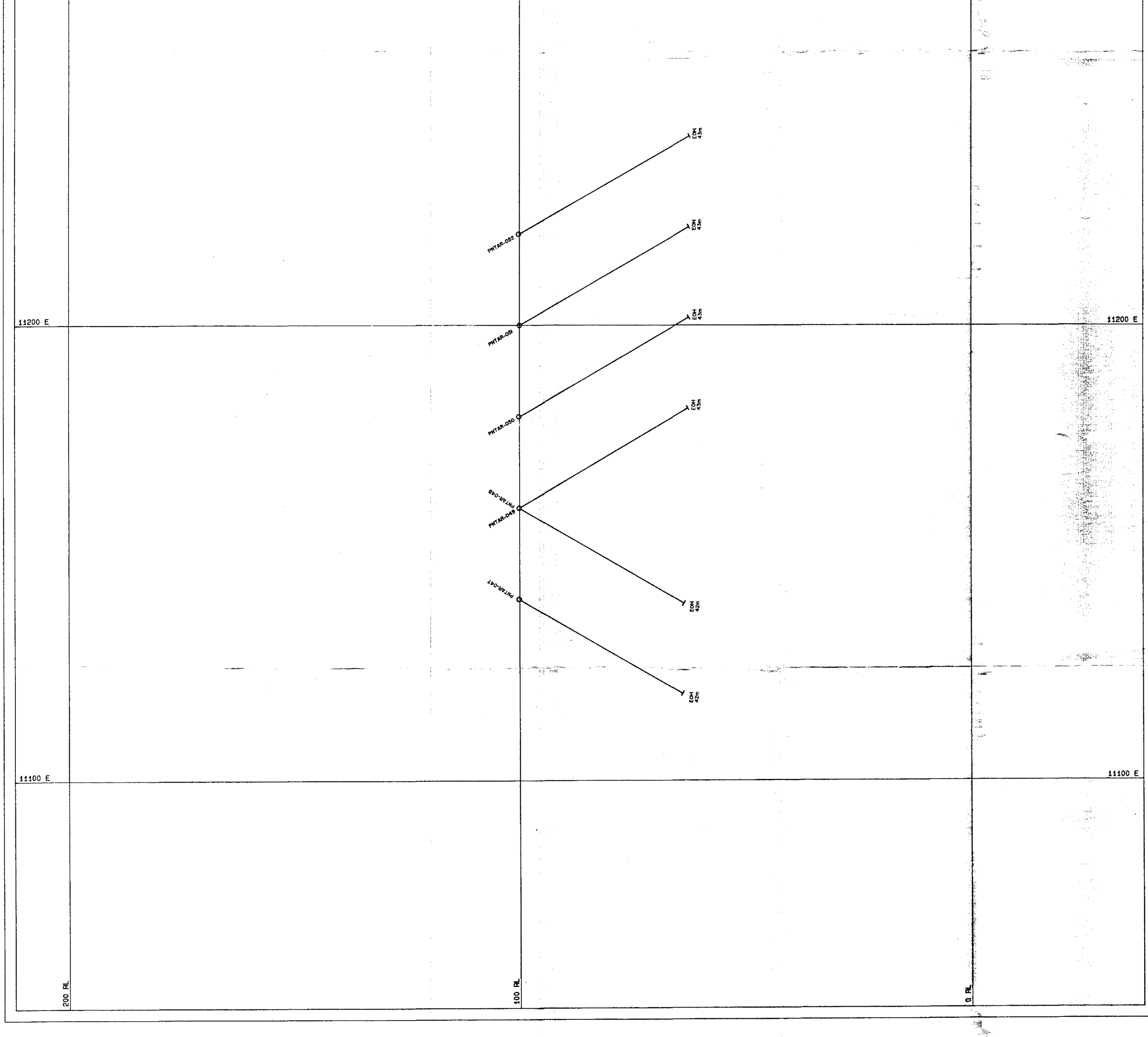
SECTION 7960N

File :MAUREEN

Scale :1 : 500

Date :18 Nov 1994

ENCLOSURE 5



Woodcutters Mine

	Init	Date
Surveyor	IB	
Drawn		
Checked		
Approved		

EXPLORATION DEPARTMENT

MAUREEN EXTENDED PROSPECT

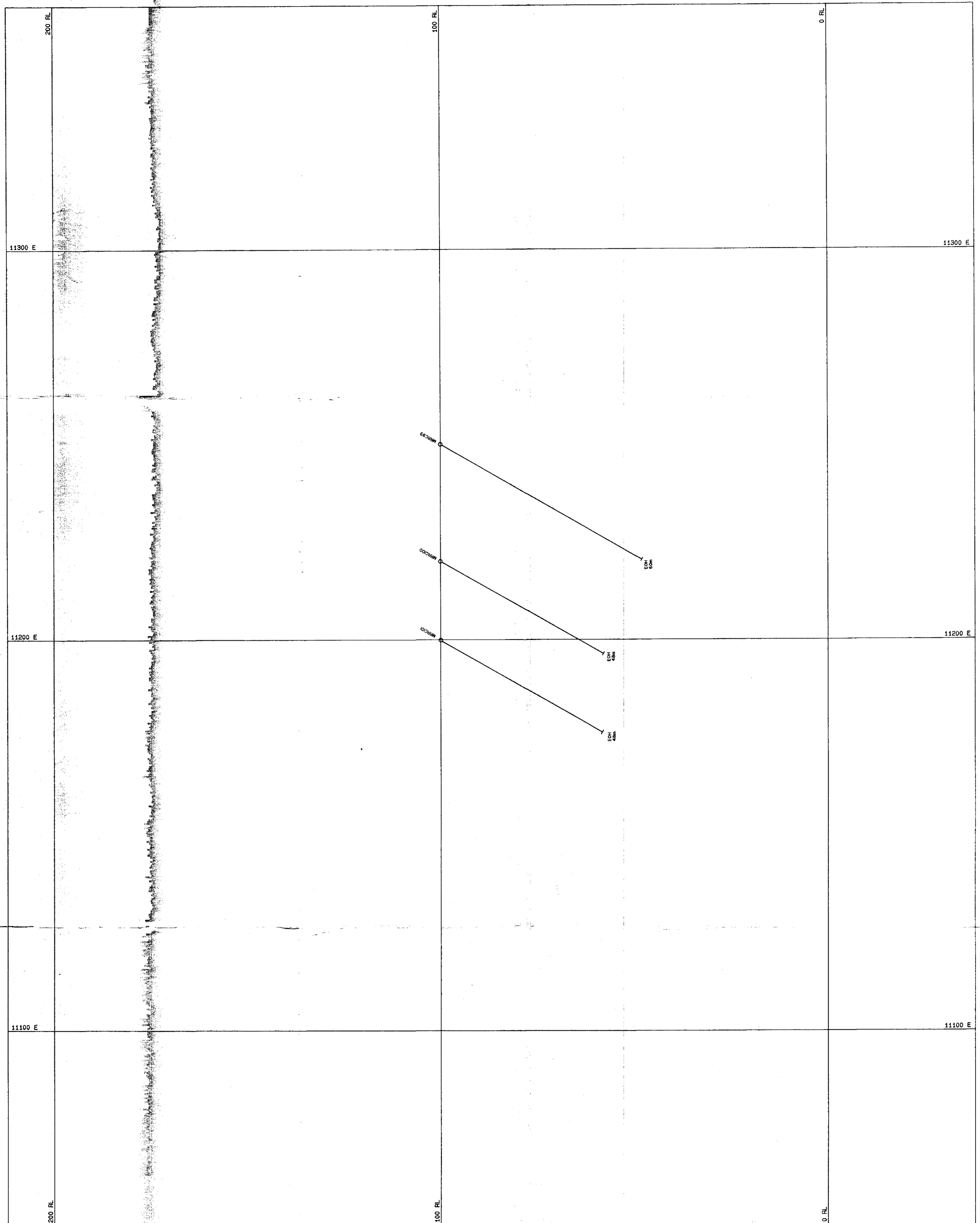
SECTION 7985N

File :MAUREEN

Scale :1 : 500

Date :18 Nov 1994

ENCLOSURE 6



Woodcutters Mine

	Init	Date
Surveyor	IB	
Drawn		
Checked		
Approved		

EXPLORATION DEPARTMENT

MAUREEN EXTENDED PROSPECT

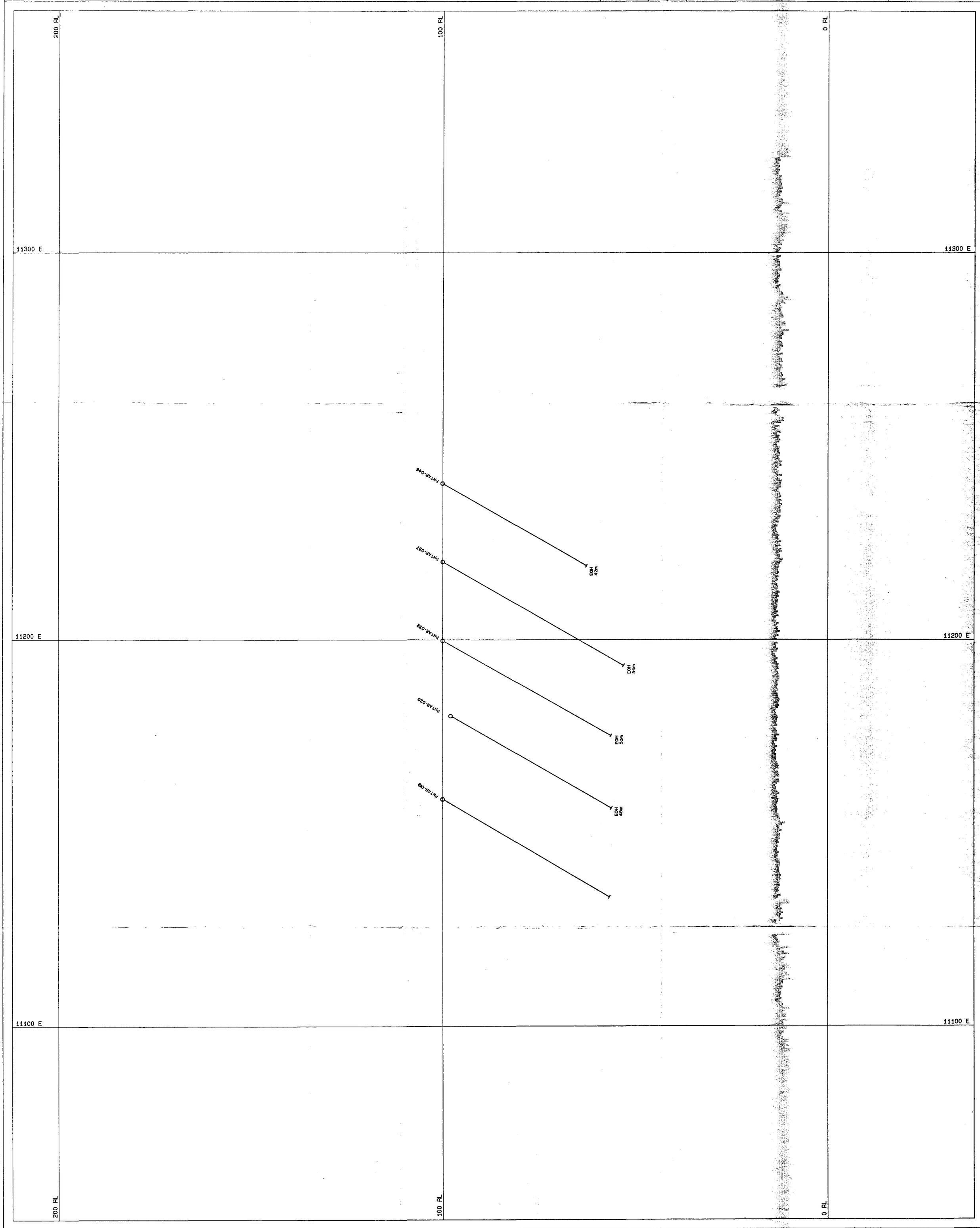
SECTION 8040N

File :MAUREEN

Scale :1 : 500

Date :18 Nov 1994

ENCLOSURE 7



Woodcutters Mine

	Init	Date
Surveyor	IB	
Drawn		
Checked		
Approved		

EXPLORATION DEPARTMENT

MAUREEN EXTENDED PROSPECT

SECTION 8120N

File :MAUREEN

Scale :1 : 500

Date :18 Nov 1994

ENCLOSURE 8