

SUMMARY TECHNICAL REPORT

PRICE TWP. PROPERTY

James E. Croxall

O.P.A.P. File #OP95-068

Matti Kangas

O.P.A.P. File #OP95-067

September 10 1995



42A(6)SW0008 W9500-00388 PRICE

PROJECT LOCATION AND ACCESS

010

The Property consists of 91 claims (50 units), located approximately 10 miles south-west of the City of Timmins in the Porcupine mining division of North-Eastern Ontario. There are 49 claims (50 units) in the North-West corner of Price Twp. (claim map plan M-307), 35 contiguous claims in the S.W. corner of Ogden Twp. (claim map no. G-3979), and 7 adjoining claims (8 units) in N.E. Thorneloe Twp. (claim map no. G-3229). The centre of the claim group lies at 48°22'N. latitude and 81°27'W. longitude. (N.T.S. map sheet 42-A-5/6).

Figure 1 attached is a key map showing the general location of the property. Figure 2 is a list of claims for the property and a claim diagram indicating where the work was done in 1995.

The westerly continuation of Dalton Road from Timmins (along and south of the Mattagami River) crosses the extreme N.W. corner of Price Twp. en route to the Wawaitin Falls power installation and Kenogamissi Lake. (see Fig.3) About 100 metres south of the Price-Ogden common Twp. boundary along this road, a side-road known as the "Musgrove (timbering access) Road" branches to the south-east then turns southward and parallel to, but a half mile west of, the Grassy River. The (south) east boundary of the Price claims lies approximately midway between the Grassy River and the Musgrove Road. Numerous logging roads branch from both the above roads providing excellent property access.

GENERAL GEOLOGY:

All historical work performed up to and including the 1994 O.P.A.P. work on the property has resulted in the definition of a high-priority exploration area labelled the "zone of interest" in Figure 3. About 528 gold assays by Chevron Canada Ltd. (1988-1990) and 240 by the writer and his partner (1993 and 1994 O.P.-A.P. programs) were done from samples distributed through a variety of geologic horizons on the Price Township part of the 91 claim property. All gold values obtained are restricted almost exclusively to that zone of interest.

The main geological features within the zone include what appears to be a major altered feldspar porphyry intrusive body within an extensive zone of east-west striking ultramafic and mafic rocks which are flanked to the north by heavily sheared and hematized sediments. The possibility exists that a second parallel fault zone may flank the southern contact of the ultramafics within a zone of mafic rocks.

The Chevron Canada program was based on "an interpreted break and favourable stratigraphy similar to those in the southern part of the Porcupine Camp (Aunor, Delnite, Kenilworth, DeSantis mines)". Chevron drill holes numbered 2 (1988) and 4 (1990) on Figure 3 intersected heavily sheared and altered sediments (300 ft. width in hole 2). Quartz bearing sections of the sheared zone adjacent to and within felsic porphyry dikes were found to contain significant quantities of gold. Gold assays ranged from 0.010 to 0.083 oz/ton over 9.5 ft. in hole 2 and 0.016 to 0.066 oz/ton over 10.5 ft. in hole 4 (which did not penetrate the entire width of the sheared zone).

Adjacent to the southern contact of the ultramafics and mafics, Chevron hole 3 penetrated an I.P. target consisting of a 112 ft. width of pyritic felsic volcanics (51 ft.) and pyritic felsic ash-lapilli tuffs (61 ft.). From other intercepts in the Chevron I.P. survey, this unit appears to have an east-west strike length in excess of 3/4 miles. (The western end of this unit in the vicinity of Chevron XL 22W co-incides with an airborne V.L.F. response.) Seven anomalous gold values from 100 ppb to 370 ppb and two anomalous zinc values exceeding 1000 ppm were obtained in this intersection. An associated 16 ft. wide felsic porphyry dike contained three anomalous gold assays ranging from 110 to 250 ppb.

Croxall drill hole JC941 (1994 O.P.A.P. grant OP94-188) cut into (and ended in) 335 ft. of massive altered feldspar porphyry. The hole was designed to test a portion of the width a large oval-shaped magnetic low whose apparent dimensions are at least 3300 ft. in length and about 1000 ft. in width (The low is ringed by a magnetic high). The porphyry contains disseminated pyrite throughout. Fifty-eight assay sections in the pyritic porphyry gave gold values ranging from 0.01 to 0.20 gm/tonne. (A quartz-rich section containing 3% pyrite gave a 4.5 ft. intersection of 0.067 oz/ton Au.)

The 1995 programs completed for this area include testing the porphyry body further (J.Croxall application) and testing flanking altered shear zones to the north of the porphyry body and (possible) sheared zones and associated known I.P. horizon to the south of the porphyry body.(M.Kangas application)

Additional motivation for both these 1995 programs can be found in the attached copy of a recent report by the Timmins Resident Geologist which describes the porphyries on the Price Twp. claims as similar to those at the Hemlo gold deposit and at the McIntyre Mine in Timmins. They are also reportedly similar to zones currently being explored by Placer Dome in contiguous Bristol Twp. as well. The report states that economic gold mineralization may occur within the porphyry body (i.e. J.C. proposal) and along the contacts of the ultramafic ring. (i.e.faulted contact with sediments) (i.e. M.K. proposal)

GEOLOGY BASED ON 1995 O.P.A.P. PROGRAM

a) Grant # OP95-068

One of two drilling locations tested (described later as holes JC943 and JC944) contained significant intersections of altered porphyry giving more confidence to the interpretation that the 3300 ft. long X 1000 ft. wide magnetic low is indeed a large porphyry body. The other location (JC942) was not verified as part of the body as difficult drilling conditions forced the abandonment of the hole before it encountered the porphyry.

b) Grant # OP95-067

One of the three holes designed to explore shear zones adjacent to the porphyry contained badly fractured and broken rock (MK-936). The second hole is believed to have overshot its targeted shear zone (MK 937). It is believed that the third hole, which penetrated a very wide zone of altered volcanic rock containing significant pyrite mineralization over approximately 200 ft., had not reached a postulated east-west shear zone (MK-938).

WORK PROGRAM

1) Overall Program

The two separate grants were approved for work on the same property. Because the focus of both were similar, one technical report has been written to cover the grant reporting requirements (phone conversation and fax to Ralph Huggins on June 16/95).

grant). but because of unexpected charges for loss of casing rods and excessive use of drill mud particularly in hole MK-937, the planned footage had to be reduced as follows:

<u>GRANT #</u>	<u>OP-067</u>	<u>HOLE NO.</u>	<u>PLANNED FT.</u>	<u>ACTUAL FT.</u>
		MK-936	316'	246'
		MK-937	316'	354'
		MK-938	316'	406'
			<hr/>	<hr/>
	TOTALS		950'	1006'
<u>GRANT #</u>	<u>OP-068</u>	<u>HOLE NO.</u>	<u>PLANNED FT.</u>	<u>ACTUAL FT.</u>
		JC-942	475	213
		JC-943	475 (JC943 & JC944)	526
			<hr/>	<hr/>
	TOTALS		950'	739'
			<hr/>	<hr/>
GRAND TOTALS BOTH GRANTS			1900'	1745'

2-A DRILLING RESULTS - M.KANGAS O.P.A.P. GRANT # 095-067

The overall objective of this program was to test a known shear zone along the northern boundary of a newly discovered porphyry body (1994 O.P.A.P. Program) and to test for a postulated shear zone associated with flanking I.P. anomalies along the southern boundary of the new porphyry body.

Hole No. MK-936 (246'L.)

An I.P. target was located by Chevron under the Musgrove Road and XL 10 W at the 12 N. baseline. It was postulated that an east-west shear zone may lie near the contact of an ultramafic unit adjacent to the porphyry body at the target location.

A magnetometer profile over the zone along XL 10 W by the writer failed to distinguish any underlying anomalous unit(s).

The hole intercepted bedrock after 66 ft. of casing (46 v.ft.o.b.). Twelve feet of badly fractured, vuggy altered

mafic flows were encountered at the bedrock interface. This was followed by 68 ft. of volcanic sediments (banded tuffs) containing 24 inches of semi-massive pyrite at 144'-146' in the hole (probable I.P. target). The sediments were followed by 100' of fractured mafic volcanics to the end of the hole.

Economic Results

The upper mafic unit contained only sparse, sporadic disseminated pyrite. The banded tuffs were unremarkable with respect to sulphides except for the single narrow 2 ft. semi-massive pyrite zone. The lower mafic unit included one 13.0 ft. run containing fine disseminated pyrite (175'-188') and one 7.5 ft. run of pyrite disseminations and a few pyrite bands (188'-195.5'). Two narrow quartz veins were cut between 213.5'-215' in the hole.

Assays

There were no significant assays.

Hole No. MK-937

This hole was designed to test for the eastward extension of the gold-bearing quartz porphyries in shear zones drilled in the sediments by Chevron between 900 and 2300 meters to the west.

A magnetometer profile over the zone indicated that the target contact between ultramafics and the sediments to the north may lie further north than shown in Chevron's interpretation. The hole was collared 25 meters north of their indicated contact. Over 112 v.ft. of overburden was encountered. Difficulties in drilling through the overburden resulted in the use of excessive quantities of drill mud and the subsequent loss of a run of casing which had to be blasted off. The sheared sediments were not encountered in the core. It is believed that the shear zone was overshot. The hole was ended 136 ft. into mafic volcanic flows.

Economic results

Four samples were taken along narrow sections of the core which were brecciated with disseminated pyrrhotite in the thread-like quartz matrix.

Assays

There were no significant assays.

Hole No. MK-938

This hole was designed to test a known I.P. target and rocks to the north of it which were not surveyed by magnetometer in the Chevron project. A possibly sheared zone &/or mafic-ultramafic contact were thought to lie in the 200 meters between the I.P. target and 12 N baseline (which marks the southern edge of the Chevron magnetometer grid) where they interpreted underlying ultramafic rock.

A magnetometer profile over the zone by the writer indicated a definite Mag low flanking and immediately south of the I.P. target.

Economic Results

After only 15 ft. of casing, the hole intercepted interlayered mafic volcanics and altered felsic tuffs to 147.5 ft. which contained only occasional sparsely disseminated pyrite. The core then cut an 8.5 ft. feldspar porphyry dike and entered into a 43.5 ft. width of banded sediments (possibly the cause of the Mag low). This was followed by 215 ft. (end of hole) of heavily altered, well mineralized mafic volcanic rock. Disseminated pyrite making up to 5% of the core occurred throughout the entire section. In numerous places this was accompanied by bands and blebs of semi-massive pyrite adding up to 30% of the core. The entire mineralized interval consisted of alternating red-brown alteration zones and pistachio green (epidotized) sections. The first 6 ft. of the zone was graphitic in appearance with 15-30% pyrite seams. This heavy sulphide mineralization explains the I.P. anomaly.

Assays

An 18 ft. section of altered felsic tuff (between 28.0 and 46.0 ft.) sampled in 2 locations gave 24 and 31 PPB over a total width of 11.5 ft.

A 5 ft. section of mafic volcanics containing a one ft. wide coarse lapilli tuff assayed 82 PPB Au (61.0 to 66.0 ft. in hole). A 13 ft. section of a 17 ft. wide intercept of altered felsic tuff (between 66.0 and 79 ft.) gave assays of 175,219,408 and 2026 PPB Au.

The 8.5 ft. feldspar porphyry dike (139 to 147.5 ft.) assayed 27 PPB Au. The heavily pyritized 215 ft. of mafic volcanics were disappointing with no significant Au. assays obtained.

2B-DRILLING RESULTS -J.CROXALL O.P.A.P. GRANT # OP95-068

The overall objective of this program was to investigate other parts of the gold-bearing porphyry body discovered in a 1994 O.P.A.P. grant project.

Hole No. JC-942

This hole was designed to test a "necked-down" section of the magnetic low which, after last year's program, was believed to be a large gold-bearing porphyry body. The Chevron Mag survey indicated a narrow Mag low section crossing the township line between Thorneloe & Price Twps. immediately north of Chevron's baseline 12N. It was hoped that both the north and south contacts of the narrow porphyry zone could be investigated with one drill hole.

A magnetometer profile completed by the writer over the zone along the Twp. line gave very erratic results and failed to define a distinctive Mag low zone. It became very difficult to repeat readings taken at many stations. This, and the profile following for hole JC-943, did not yield credible, repeatable readings. (The unit, which had been borrowed from a local exploration company, was believed to be faulty and confidence in results of all profiles done with it was lost.)

The hole was collared using the Chevron magnetics. After 90' of casing 123 ft. of very unusual heavily-fractured rock was encountered. The colours and textures were non distinctive and the writer described it as a fragmental mafic volcanic being a vague blend of various phantom-like fragments. The hole was stopped before reaching the targeted porphyry when the driller reported the rods were binding in the hole and any rod loss would be charged against the program.

Economic Results

Only occasional short, very sparse disseminations of pyrite were present.

Assays

No significant gold assays were obtained.

HOLES NO. JC-943 AND JC-944

A single 475 ft. hole was planned to test for the presence of the gold-bearing porphyry (along the southern edge of the Mag low feature) where it contacts the ultramafic Mag high ring. After 50 ft. of casing and 89 ft. of altered feldspar porphyry hole No. JC-943 entered into and ended in 111 of diabase. The drill was turned and coring continued to the north intersecting altered porphyry to the end of the hole at 276 ft. in JC-944.

Economic Results

The cored porphyry in both holes contains up to 1% disseminated pyrite throughout. Samples for assay were taken from silicified sections of the porphyry. These were generally narrow sections ranging from 1.5 ft. to 6 ft. except for the last 40 ft. of JC-944.

Assays

Four assays of 14, 17, 21 and 55 PPB Au. were obtained in silicified porphyry at 4 different locations between 56 ft. and 139 ft. in JC-943. Three assays of 24, 31 and 65 PPB Au. were obtained in silicified porphyry at 3 different locations between 158' and 251' in JC944.

Economic Results Of 1995 Project

- The highest gold assays in the 1995 project were obtained in a 17 ft. wide intersection of altered felsic tuff in MK-938 (175 to 2026 PPB range). Also in MK-938, other narrow felsic tuff sections gave assays of 24, 31 and 82 PPB Au. and an 8.5 ft. feldspar porphyry dike in the same hole gave 27 PPB Au.
- Very sparsely disseminated pyrite in silicified sections of altered porphyry in JC-943 and JC-944 gave anomalous gold values ranging from 14 to 65 PPB. These two holes are believed to be in the southern edge and tend to support the possible existence of the large porphyry body.
- MK-936 and MK-937 failed to confirm the presence of shear zones adjacent to the porphyry body. Both holes are believed to have been collared too far to the north. MK-938 did not intersect a recognized shear zone and was possibly terminated before encountering it.
- Silicified sections of the porphyry body contain anomalous gold values.

RECOMMENDATIONS

- Thorough, closely spaced I.P./resistivity and Mag surveys are required over the porphyry body to identify drill targets.
- The shear zone adjacent to and north of the porphyry body remains worthy of further exploration (as are zones of weakness like the gold-bearing altered felsic tuff in MK-938).

CONCLUSION

This report is believed to fulfil the requirements of the final O.P.A.P. submission and is hereby submitted to procure the final \$5,000.00 payments for each of the two Grants # OP95-068 and #OP 95-067.

PROGRAM COST EXPENDITURES

Drill footage expenditures - 1745 ft.@\$10.32/ft. →	<u>\$18,008.40</u>
Cost of "extras":	
a. 50 ft. lost casing @ \$11.20/ft.=	\$560.00
b. excess drill mud (MK-937) =	\$400.00
c. excess labour (MK-937) =	<u>\$150.00</u>
	\$1110.00 →
	<u>\$1,110.00</u>
Mobilize/Demobilize = \$1,500.00 →	<u>\$1,500.00</u>
TOTAL DRILLING COSTS =	\$20,618.40
<u>ASSAYS</u> --66 gold assays @ \$10.50 ea. + G.S.T.=	<u>\$741.51</u>
COST OF 1995 PROGRAMS =	\$21,359.91

The above total program cost has been divided into two equal parts of \$10,679.95 for the final submission form for each of the two grants, used in this reported program.

J. E. Cottell

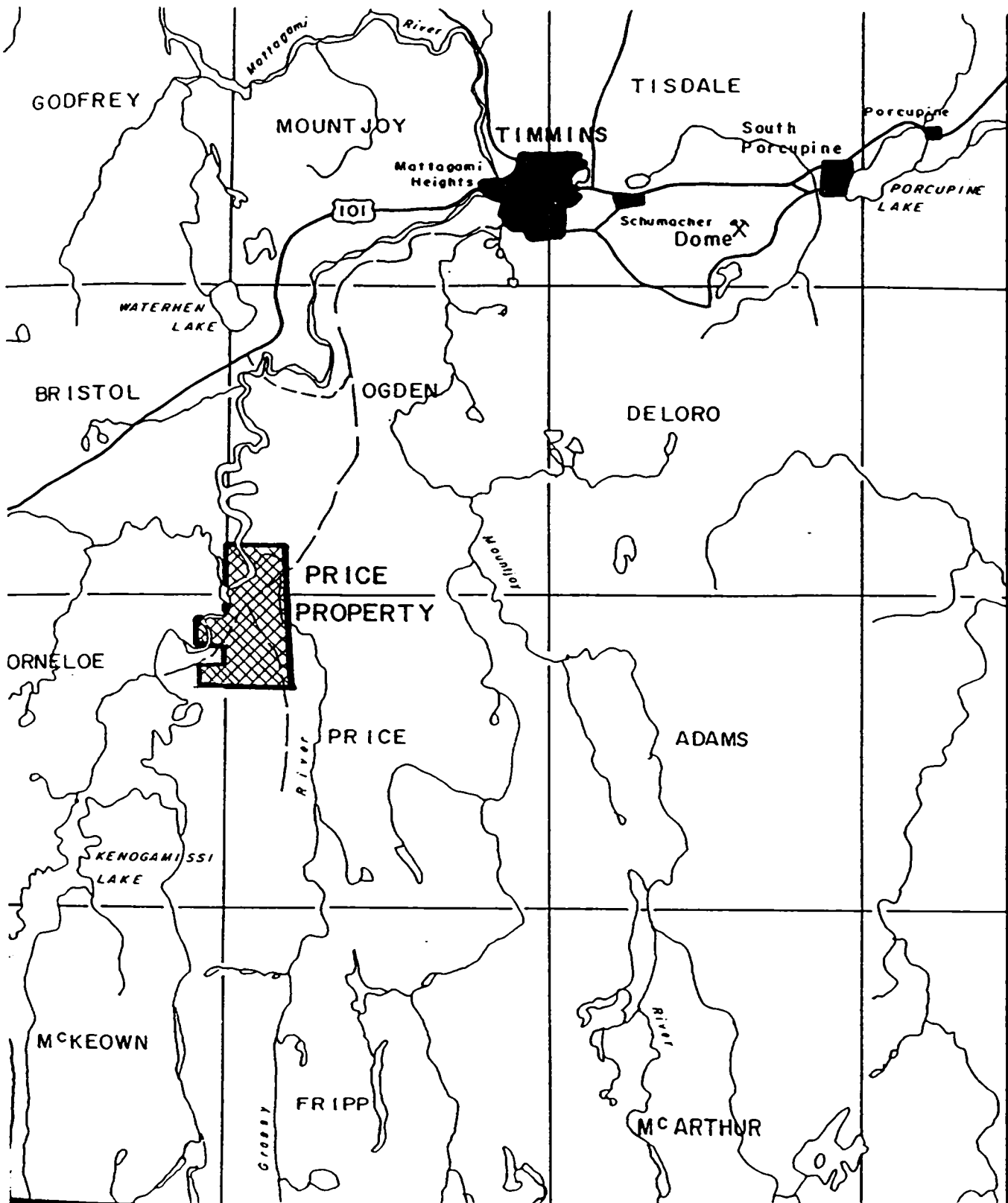
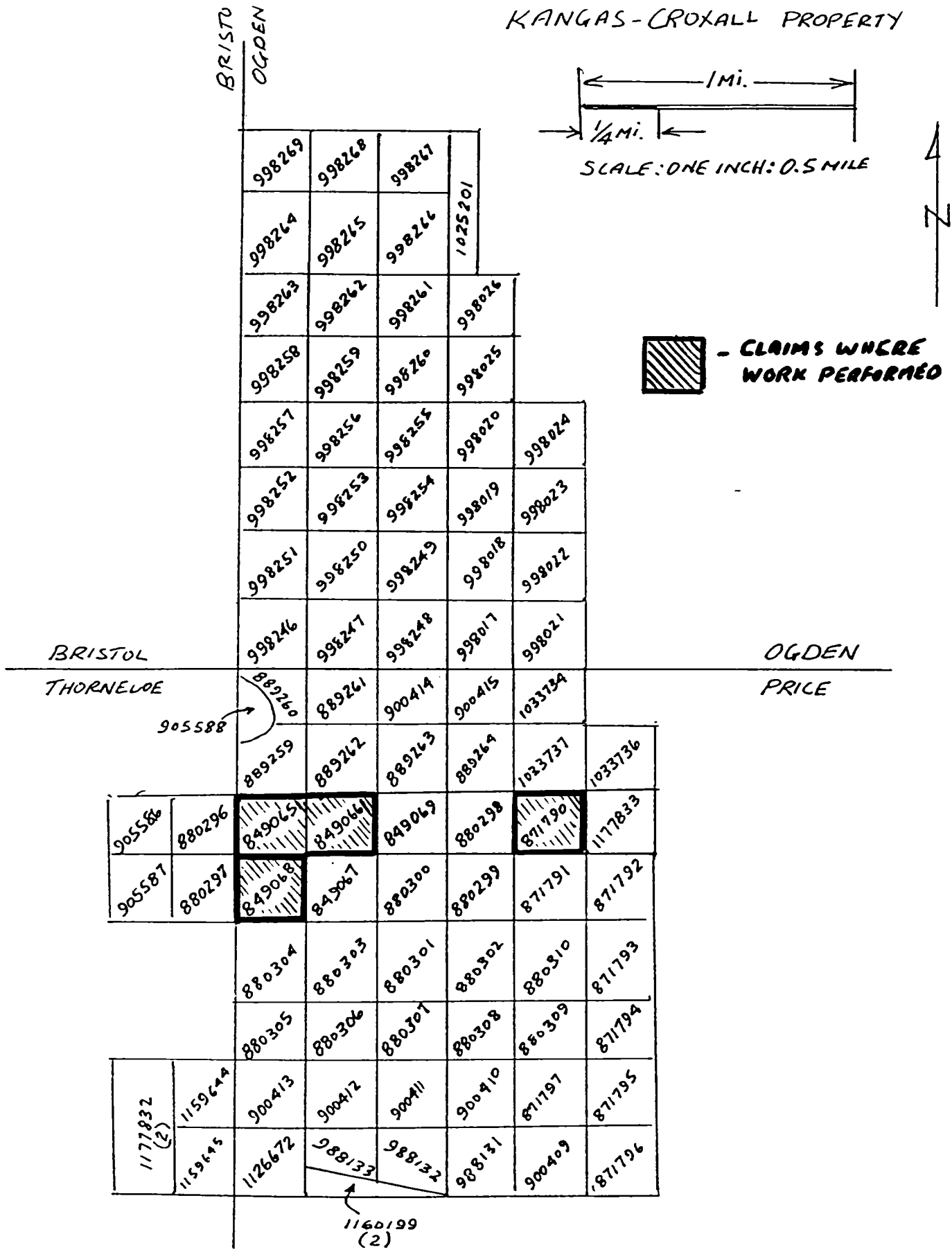


Figure 1

CHEVRON - UMEX J V	
CROXALL - KANGAS OPTION PRICE TOWNSHIP	
PROPERTY MAP	
Date : 21/06/88	Data : Mullen Drawn : L

KANGAS-CROXALL PROPERTY



-FIGURE 2-

August 21, 1995

MINING RECORDER

Porcupine Mining Division

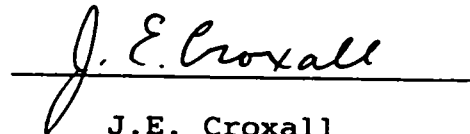
Timmins, Ontario

Dear Sir,

This is to certify that Matti Kangas and Jim Croxall are 50/50 partners in the 91 claim (93 units) property in Price, Ogden and Thorneloe Townships listed on the attached sheet.



M. Kangas



J.E. Croxall

PRICE/OGDEN/THORNELOE PROPERTY CLAIM LIST

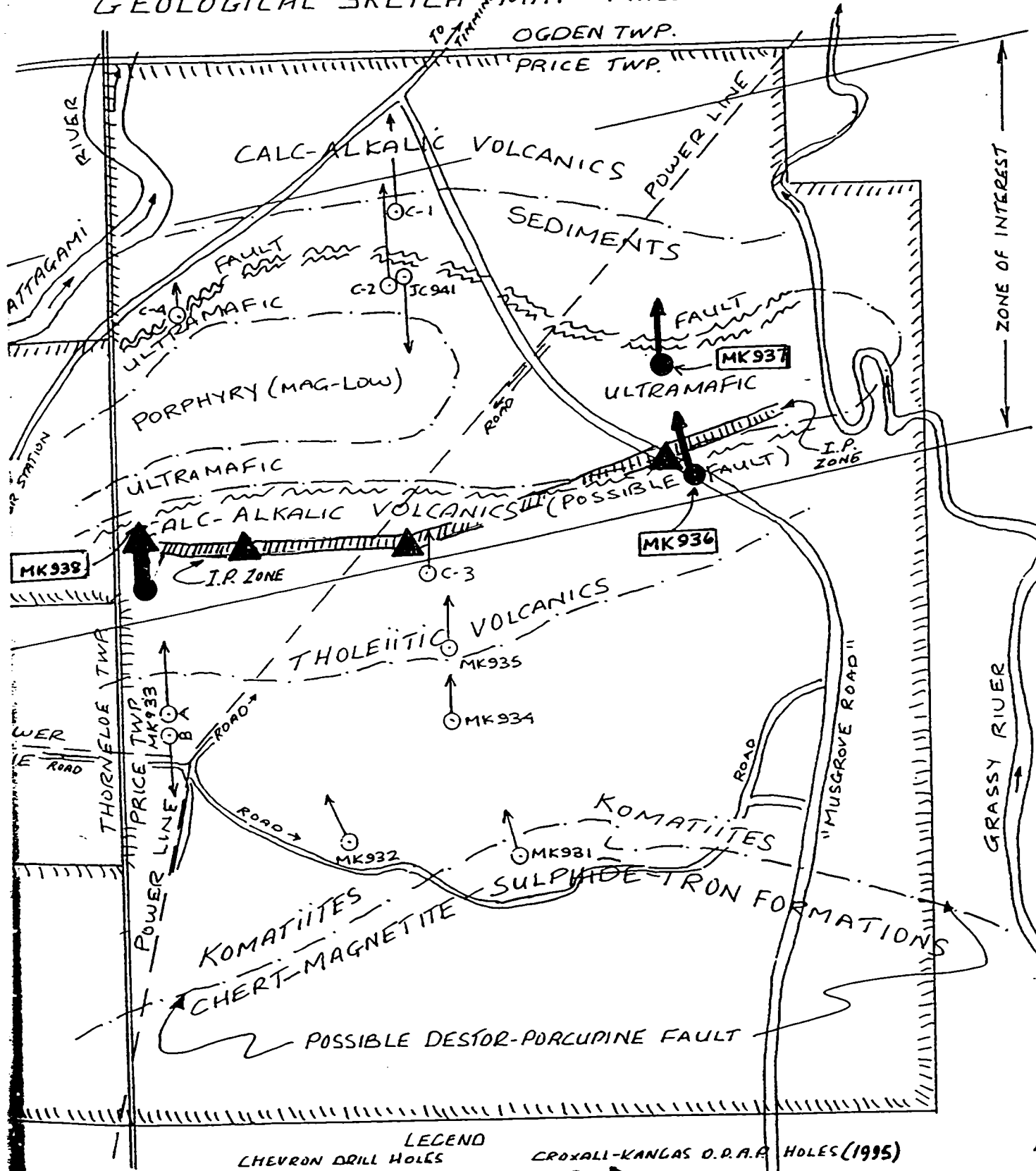
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P 1033734	P 998019	P 880304
P 1033736	P 998020	P 880305
P 1033737	P 998021	P 880306
P 1126672	P 998022	P 880307
P 998246	P 998023	P 880308
P 998247	P 998025	P 880309
P 998248	P 998026	P 880310
P 998249	P 1025201	P 871790
P 998250	P 1159644	P 871791
P 998251	P 889260	P 871792
P 998252	P 889261	P 871793
P 998253	P 900414	P 871794
P 998254	P 900415	P 889259
P 998255	P 900409	P 889262
P 998256	P 988131	P 889263
P 998257	P 988133	P 889264
P 998258	P 998024	P 871795
P 998259	P 849065	P 871796
P 998260	P 849066	P 871797
P 998261	P 849067	P 900410
P 998262	P 849068	P 900411
P 998263	P 849069	P 900412
P 998264	P 880296	P 900413
P 998265	P 880297	P 988132
P 998266	P 880298	P 905586
P 998267	P 880299	P 905587
P 998268	P 880300	P 905588
P 998269	P 880301	P 1177832(2 units)
P 998017	P 880302	P 1160199(2 units)
		P 1177833

TOTAL NUMBER OF CLAIMS 91 (93 units)

Heather Kangon
Aug 21/95

J. E. Conwell
Aug. 21/95

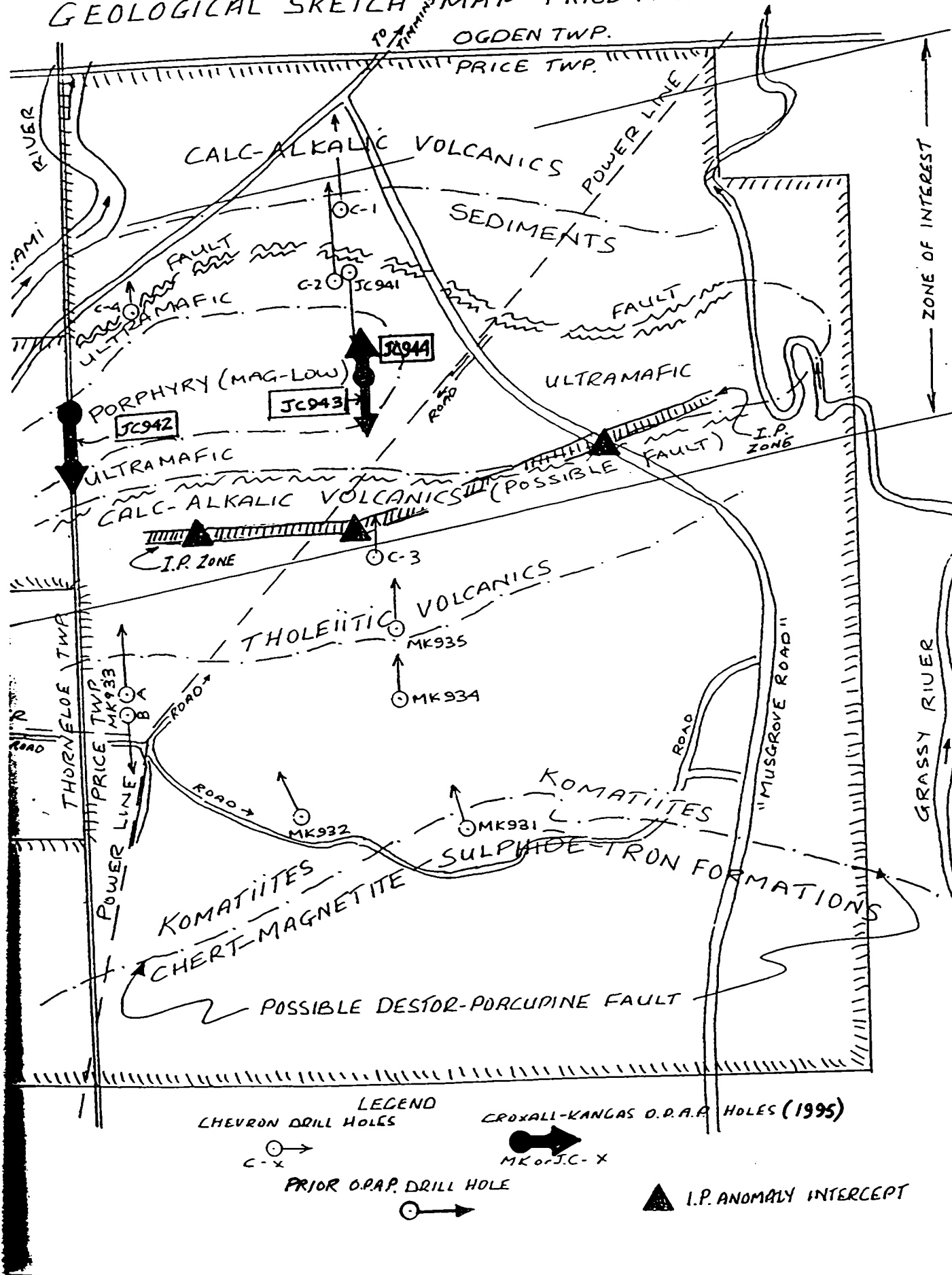
- FIGURE 3 -
 1995 O.P.A.P. PROGRAM
 GEOLOGICAL SKETCH & MAP - PRICE TWP. CLAIMS



LEGEND

CHEVRON DRILL HOLES CROXALL-KANGAS O.P.A.P. HOLES (1995)
 C-x MK or S.C-x
 PRIOR O.P.A.P. DRILL HOLE I.P. ANOMALY INTERCEPT

- FIGURE 3 -
 1995 O.P.A.P. PROGRAM
 GEOLOGICAL SKETCH MAP - PRICE TWP. CLAIMS



LEGEND

CHEVRON DRILL HOLES CROXALL-KANGAS O.P.A.P. HOLES (1995)

C-X MK or J.C.-X

PRIOR O.P.A.P. DRILL HOLE I.P. ANOMALY INTERCEPT



Ministry of
Northern Development
and Mines
Ontario

Ministère du
Développement du Nord
et des Mines

Prospector's Licence/
Permis de Prospecteur

LIC N20585
EXP 21 JUL 97

CLM 150666
RATTI KANGAS





Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Prospector's Licence/
Permis de Prospecteur

LIC K 18327
EXP 23MAR98

CLN 122685

JAMES ERNEST CROXALL





Ministry of
Northern Development
and Mines

Summary of Field Work and Other Activities 1994

Ontario Geological Survey
Miscellaneous Paper 163

edited by C.L. Baker, B.O. Dressler, H.A.F. de Souza,
J.A. Fyon, C.A. Kaszycki, D.G. Laderoute, G. Merlino,
J.W. Newsome, L. Owsicki, J.M. Richardson,
P.C. Thurston and N. Wood

1994

28. Timmins Resident Geologist District

L. Luhta

Timmins Resident Geologist's Office, Mineral Deposits and Field Services Section,
Ontario Geological Survey

INTRODUCTION

On May 26, 1994, the Timmins Resident Geologist visited a surface diamond-drill site on a property, in the northwest corner of Price Township (latitude 48°21'40"N, longitude 81°27'30"W). The property is held jointly by J. Croxall and M. Kangas. The drill hole, which reached a depth of 951 feet, was funded by an OPAP grant to Jim Croxall. The hole was drilled to test for the presence of a carbonatite complex. The drill

target was a circular magnetic low surrounded by highly magnetic outer ring, identified previously as a fenitized (alkali-altered) ultramafic rock. Following completion of the hole, the core was logged on July 6.

LOCATION AND ACCESS

The diamond-drill hole was collared on mining claim P.889262, in the extreme northwest corner of Price Township. The claim is part of a 90 claim property

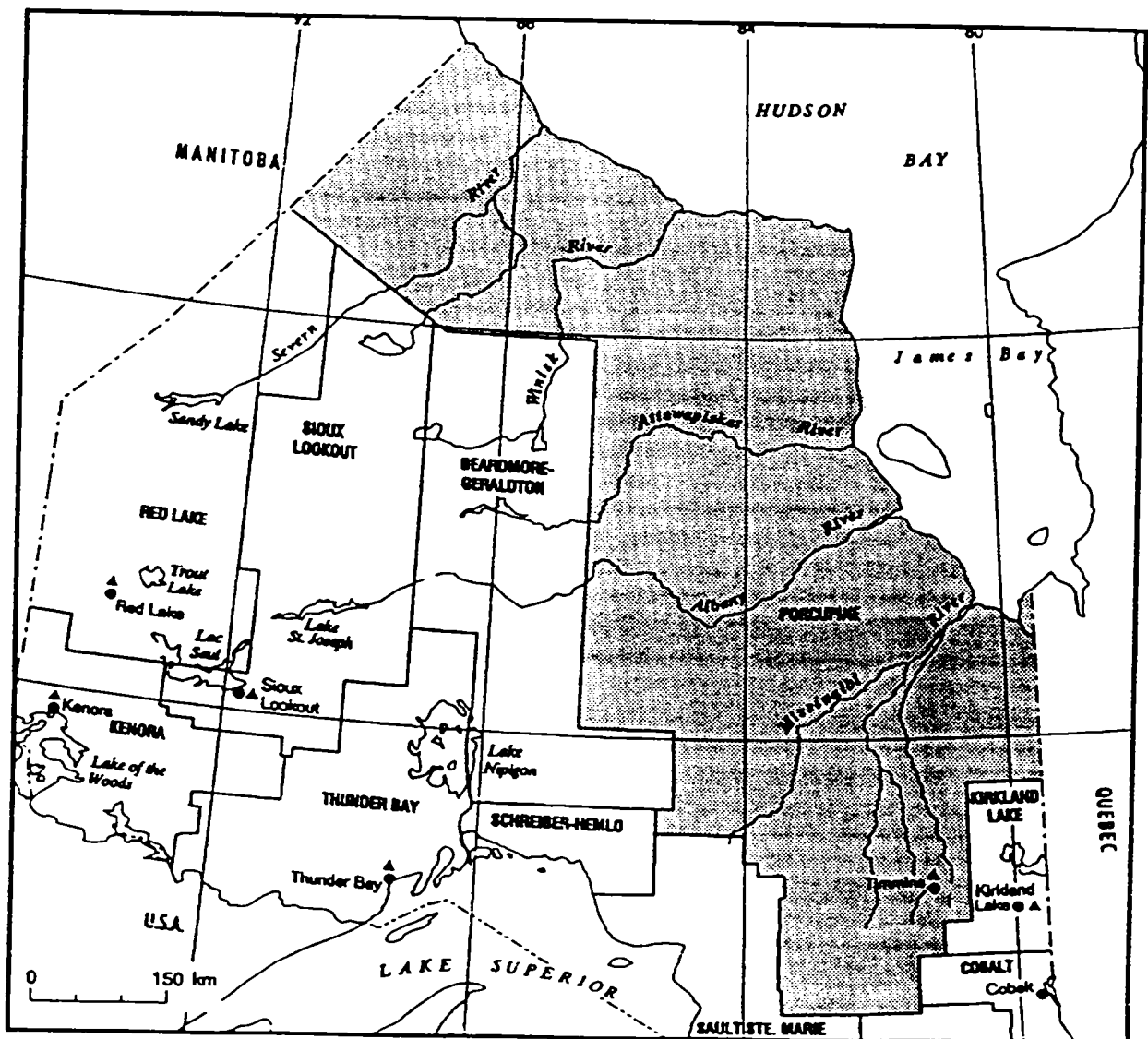


Figure 28.1. Location of the Timmins Resident Geologist's District.

held by Kangas and Croxall. The drill site was located south of Timmins, along the Dalton Road, east and parallel to the Mattagami River. Approximately 1.8 km past the bridge over the Grassy River, a narrow road branches east, off the Dalton Road. The diamond-drill was set up 100 m down this road, on the south side.

GENERAL GEOLOGY

The geology in the extreme northwest corner of Price Township consists of unsubdivided metasedimentary rocks of the Hoyle Assemblage just to the west of the north striking Mattagami River Fault (Pyke 1982; Thurston et al. 1991). To the south, calc-alkalic mafic rocks and iron formations of the Bartlett Assemblage occur. To the east, across the Mattagami River Fault, pillowed and amphibolitized tholeiitic metavolcanic rocks of the Geikie Assemblage crop out. The east-striking Porcupine-Destor deformation zone (PDDZ) is located 5 km to the north, abutting against the Mattagami River Fault. Although the westerly extension of the PDDZ has not been accurately traced, the PDDZ appears to be offset to the south by the Mattagami River Fault. This western segment of the PDDZ is interpreted as extending westward close to the contact between the metasedimentary Hoyle and metavolcanic Bartlett assemblages.

PREVIOUS WORK

Exploration work on the property has been documented since 1946 (Assessment Files, Timmins Resident Geologist's Office). A total of 6 companies and 3 prospecting groups completed geophysical surveys, geological mapping, trenching, stripping and diamond drilling. M. Kangas and J. Croxall, the current owners of the property, have actively explored the property since 1986. From 1987 to 1990, the property was optioned to the Chevron Minerals Canada Ltd./Umex Inc. Joint Venture. The joint venture partners conducted an integrated gold exploration program which included the drilling of 4 surface diamond-drill holes. In 1993, with OPAP funding, Kangas and Croxall completed 3 surface diamond-drill holes. Two holes were drilled to investigate 2 untested induced polarization (IP) anomalies and the other hole tested a soil gold geochemical anomaly. These targets were previously outlined by the joint venture partners.

PROPERTY GEOLOGY

The property is underlain by steeply-dipping, intensely deformed and altered metavolcanic and metasedimentary rock (Assessment Files, Timmins Resident Geologist's Office). In the southern part of the property, chert-magnetite iron formations are

overlain to the north by a sequence of komatiitic, tholeiitic and calc-alkalic metavolcanic rocks. In the northern part of the property, a horseshoe-shaped magnetic anomaly was proven to be a fenitized ultramafic unit, by surface diamond drilling. Further to the north, there is a band of metasedimentary rock in contact with calc-alkalic metavolcanic rock. Two northerly drilled holes of the Chevron/Umex Joint Venture passed through the outer northern contact of the fenitized ultramafic and intersected gold values in highly fractured and altered metasedimentary rocks immediately to the north (2.27 g/t over 1.5 m and 2.88 g/t over 0.6m).

The fenitized ultramafic unit was initially identified by D. Mullen, project geologist for the Chevron/Umex Joint Venture. The rock was examined by K. Barron, then a graduate student at the University of Western Ontario who reported to Kangas and Croxall that the fenitization manifests itself as bright blue veins and diffuse zones of alkalic amphibole or bright green zones of alkalic pyroxene. This amphibole was identified as crossite or magnesio-riebeckite. The pyroxene is aegerine. In many places, there are yellow-brown rounded garnets, particularly in the aegerine rich sections. These garnets are melanite (titanium andradite garnets).

CROXALL 1994 PROJECT

The core of the highly magnetic ring of fenitized ultramafic rocks displays a low magnetic susceptibility. The alteration of the ultramafic rocks is typical of that developed close to, or in contact with, carbonatite intrusions. A surface diamond-drill hole was drilled by J. Croxall with OPAP funding southwards at a dip of -47° to test for a possible carbonatite. Down the hole from 0 to 91 feet is overburden, from 91 to 150 feet is black, fine-grained, serpentinized komatiite flows, from 156 feet to 570 feet is the zone of fenitization with blue and green zones and brownish spots. Quartz feldspar porphyry dikes up to 5 feet wide intrude this zone. Two talc-chlorite shear zones occur between 515 and 520 feet and 536 and 551 feet. Between 570 and 641 feet, a contact zone exists consisting of pink quartz feldspar porphyry, fine-grained quartz tourmaline stringers and xenoliths of talc carbonate ultramafic rock. From 641 feet to 951 feet, the end of the hole, a light pink to red coloured hematized, quartz feldspar porphyry was intersected with a few narrow zones of grey porphyry. Generally less than 1% disseminated pyrite occurs throughout the whole porphyry zone. The feldspar phenocrysts (presumably albite) within the porphyry are generally white and range from 2 to 5 mm in diameter. The fine-grained groundmass is hematized. Most of the core was assayed for gold. The ultramafic rocks assayed nil and the porphyry returned assays

from 0.01 to 0.20 g/t Au. One 4.5 foot section between 828 and 832.5 feet down the hole consisted of up to 70% quartz and up to 3% disseminated pyrite assayed 2.32 g/t Au.

CONCLUSION

The magnetic low surrounded by the fenitized ultramafic ring has been identified as an altered quartz feldspar porphyry. As defined by a geophysical survey, this body is 3300 feet long and 1000 feet wide. It is similar to the porphyry bodies which were intersected by Placer Dome in Bristol Township, 5 km to the north west. These porphyry bodies in Bristol Township have been compared to the porphyry bodies at the Hemlo gold deposit and at the McIntyre Mine (Luhta et

al. 1991). This porphyry body should be further explored for possible economic gold mineralization which may be found within it and at its contacts with the surrounding ultramafic rocks. Economic gold mineralization may also occur along the outside contacts of the ultramafic ring.

REFERENCES

- Luhta, L.E., Sangster, P.J. and Draper, D.M. 1991. Resident Geologist's District — 1991; in Report of Activities 1991, Resident Geologists, Ontario Geological Survey Miscellaneous Paper 158, p.253-256.
- Pyke, D.R. 1982. Geology of the Timmins Area, District of Cochrane; Ontario Geological Survey, Report 219.
- Thurston, P.C., Williams, H.R., Sutcliffe, R.H. and Stott, G.M. 1991, Ontario Geological Survey, Geology of Ontario, Special Volume 4, Part 1.



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Assay Certificate

5W-2888-RA1

Company: **J. CROXALL**

Date: JUL-13-95

Project:

Attn: J. Croxall

We hereby certify the following Assay of 31 Split Core samples submitted JUL-06-95 by .

Sample Number	Tag No	Au PPB	Au Check PPB	Au 2nd PPB	Au Check PPB
1610	- 26	Nil	Nil	-	-
1611	- 29	Nil	-	-	-
1612	- 30	Nil	-	-	-
1613	- 28	3	-	-	-
1614	- 27	Nil	-	-	-
1615	- 1	Nil	-	-	-
1616	- 2	2026	1920	1851	1714
1617	- 3	27	-	-	-
1618	- 4	Nil	-	-	-
1619	- 5	Nil	-	-	-
1620	- 6	Nil	-	-	-
1621	- 7	Nil	Nil	-	-
1622	- 8	Nil	-	-	-
1624	- 9	Nil	-	-	-
1625	- 10	3	-	-	-
1626	- 11	Nil	-	-	-
1627	- 12	Nil	-	-	-
1628	- 13	Nil	-	-	-
1629	- 14	Nil	-	-	-
1630	- 15	Nil	-	-	-
1631	- 16	Nil	-	-	-
1632	- 17	Nil	Nil	-	-
1633	- 18	Nil	-	-	-
1634	- 19	Nil	-	-	-
1635	- 20	3	-	-	-
1636	- 21	Nil	-	-	-
1637	- 21B	Nil	-	-	-
1638	- 22	Nil	-	-	-
1639	- 23	Nil	-	-	-
1640	- 24	Nil	-	-	-
1641	- 25	Nil	-	-	-

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Page 1 of 2

Geochemical Analysis Certificate

5W-3393-RG1

Company: **J. CROXALL**

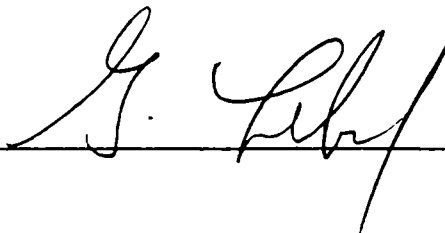
Date: AUG-28-95

Project:

Attn: J. Croxall

We hereby certify the following Geochemical Analysis of 35 Core samples submitted AUG-23-95 by .

Sample Number	TAG NO	Au PPB	Au Check PPB
6651	- 41	3	-
6652	- 38	55	41
6653	- 43	17	-
6654	- 44	14	-
6655	- 39	Nil	-
6656	- 40	Nil	-
6657	- 42	21	-
6658	- 45	Nil	-
6659	- 46	Nil	-
6660	- 47	31	-
6661	- 48	65	-
6662	- 49	10	-
6663	- 50	24	-
6664	- 51	7	-
6665	- 51B	Nil	Nil
6666	- 52	7	-
6667	- 31	Nil	-
6668	- 32	Nil	-
6669	- 33	3	-
6670	- 30	Nil	-
6671	- 35	7	-
6672	- 34	3	-
6673	- 36	Nil	-
6674	- 37	7	-
6675	- 53	31	-
6676	- 54	24	-
6677	- 55	3	10
6678	- 56	Nil	-
6679	- 57	Nil	-
6680	- 58	82	-

Certified by 



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Page 2 of 2

Geochemical Analysis Certificate

5W-3393-RG1

Company: **J. CROXALL**

Date: AUG-28-95

Project:

Attn: J. Croxall

We hereby certify the following Geochemical Analysis of 35 Core samples submitted AUG-23-95 by .

Sample Number	Au PPB	Au Check PPB
6681 - 59	219	250
6682 - 60	408	-
6683 - 61	175	-
6684 - 62	24	-
6685 - 63	17	-

Certified by _____

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300

Swastika Laboratories
P.O. Box 10
Swastika, Ontario
POK 1T0

INVOICE

NO: 33720
DATE: 07-13-95
PAGE: 1 of 1

SOLD TO:

J. Croxall
152 Brock Avenue,
Timmins,, Ontario
P4N 7P1

SHIP TO:

Same

GST Number: R132862640

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	G	P	UNIT PRICE	AMOUNT
31	Code 1	Au.	Cert #5W-2888-RA1	3		10.500	325.50
			3-GST @ 7 %				22.79
COMMENTS:						TOTAL	348.29
Net 30 Days							

Swastika Laboratories
P.O. Box 10
Swastika, Ontario
POK 1T0

INVOICE

NO: 34131
DATE: 08-28-95

SOLD TO:

SHIP TO:

PAGE: 08-28-95
1 of 1

J. Croxall
152 Brock Avenue,
Timmings,, Ontario
P4N 7P1

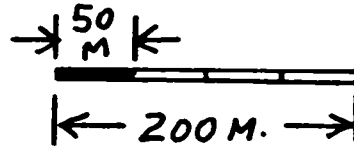
Same

GST Number: R132862640

ITEM NO	QUANTITY	UNIT	DESCRIPTION	G	P	UNIT PRICE	AMOUNT
35		Code 1	Au	3		7.000	245.00
35		Code 4	Sample Prep	3		3.500	122.50
			Cert #5W-3393-RG1				
			3-GST @ 7 %				25.73
COMMENTS:						TOTAL ▶	393.23
Net 30 Days							

DRILL HOLE PLAN MAP

SCALE: 1 CM. = 50 M.



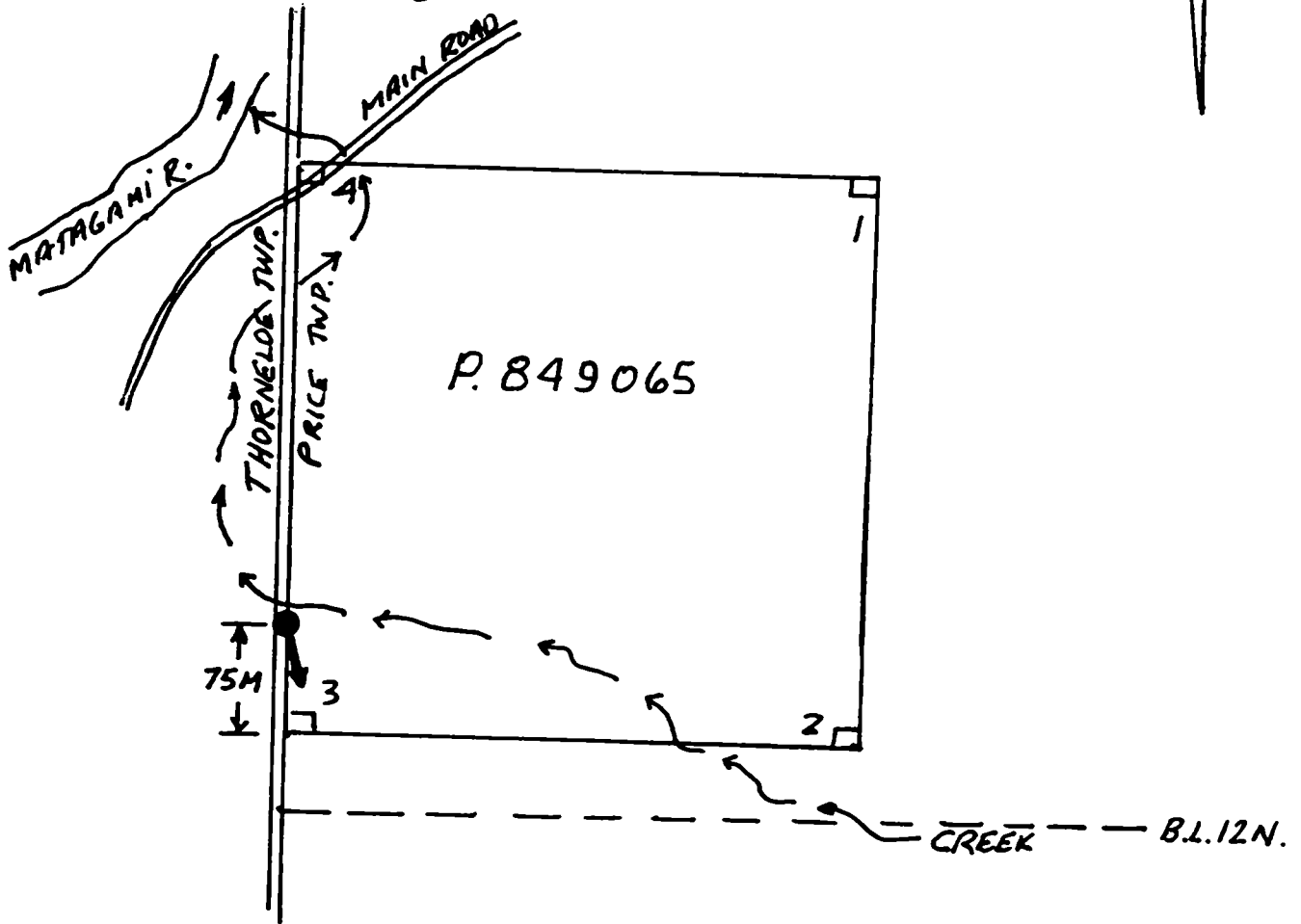
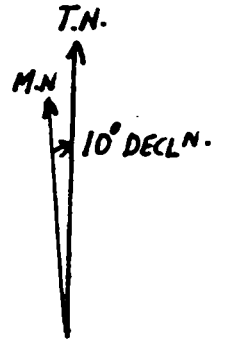
HOLE No. JL-942

LENGTH OF HOLE = 213 FT (64.9 M)

DIRECTION OF HOLE = AZ. 155°

DIP OF HOLE = -45° S

CORE DIAMETER = 1 3/8"

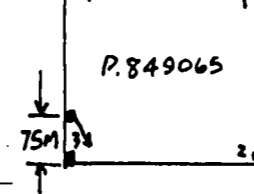


D.D. HOLE NO. JC-942
 DIP 45° SOUTH 155° A2 BEARING
 CL. No. P.849065 CORE $\phi = 1\frac{3}{4}$ "
 DRILL CONTRACTOR - LARRY J. SALO, CONNAUGHT

LENGTH 213 FT
 VERT. DEPTH OVB. 63 FT

Page No. 1 OF 1

BEGAN JUNE 12/95
 FINISHED JUNE 15/95



LOG COMPLETED JUNE 16/95
 LOGGED BY - J.E. CROKALL
J.E. Crockall

CORE STORED AT M. KANGAS COTTAGE, KAMISLOTIA

FOOTAGE DRILLED				No.	ASSAYS From - To	AU ppb
FROM	TO	FT				
0	90	90	CASING			
90	213	123	FRAGMENTAL MAFIC VOLCANIC			
			90-94 FINE GRAINED LIGHT GREEN VOLCANIC ROCK WITH FAINT FRAGMENTAL (OR MOTTLED) APPEARANCE. FRAGMENTS ARE GENERALLY $\frac{1}{8}$ INCH TO $\frac{1}{4}$ INCH IN SIZE. NUMEROUS EPIDOTE THREADS THROUGHOUT			
			94-98.5 FINE GRAINED DARK GREEN-BLACK VOLCANIC ROCK. FAINT FRAGMENTAL APPEARANCE AS ABOVE. NUMEROUS QUARTZ-CARBONATE THREADS TO $\frac{1}{8}$ " IN WIDTH. VERY SPARSE OCCASIONAL DISSEMINATED PYRITE	31	94.0-98.5	NIL
			98.5-141 FINE GRAINED DARK GREEN VOLCANIC ROCK. DISTINCTLY FRAGMENTAL. FRAGMENTS ARE EITHER DARK GREEN-BLACK OR CHERTY BUFF IN COLOUR. AND ARE GENERALLY $\frac{1}{2}$ INCH OR LESS IN SIZE. EPIDOTE SECTIONS 18" TO 24" WIDE THROUGHOUT. MINOR QUARTZ-CARBONATE THREADS THROUGHOUT. OCCASIONAL FINE DISSEMINATED PYRITE.	32	114-116	NIL
			141-213 AS ABOVE EXCEPT QUARTZ-CARBONATE THREADS MAINLY FROM 145-152. EPIDOTE SECTIONS FROM 152-174, 176-183, 190-213.	33	116-118.5	3

DRILL HOLE CROSS SECTION FACING EAST

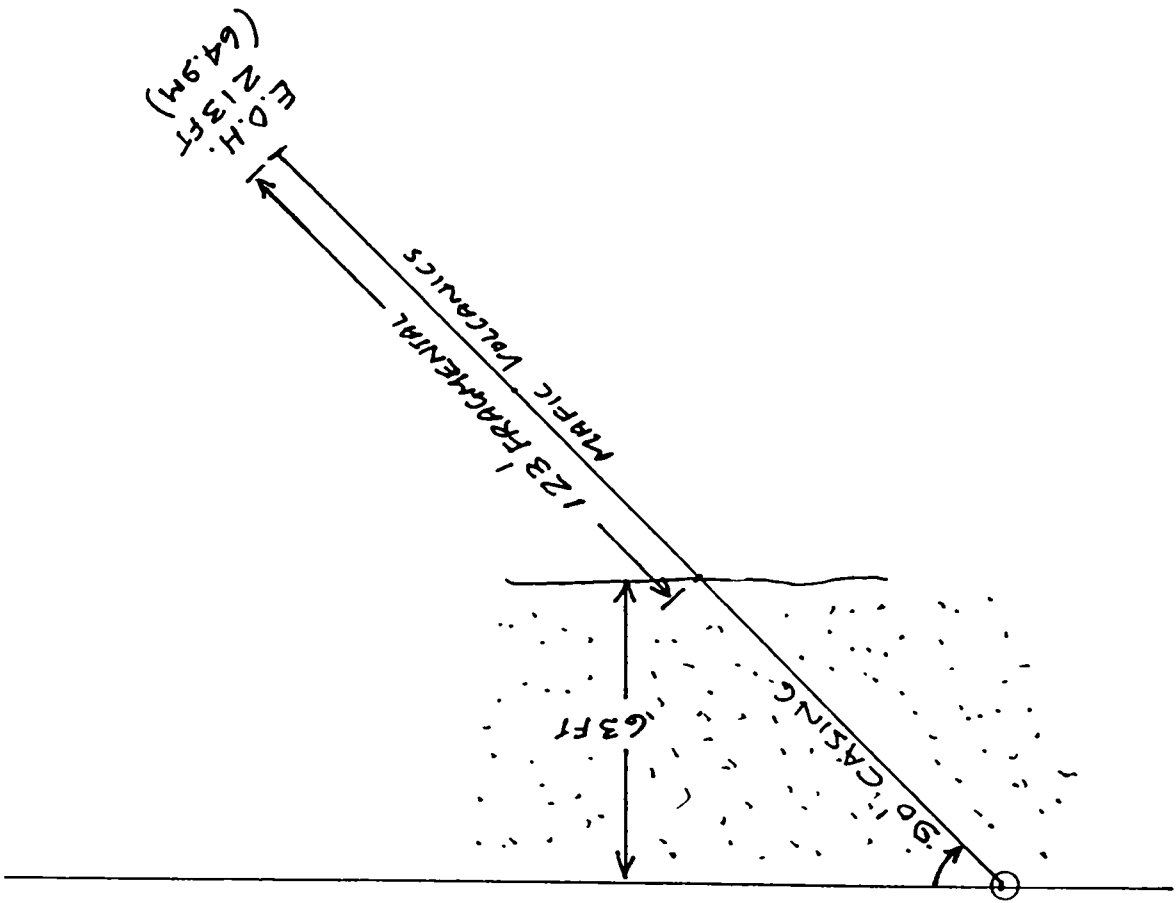
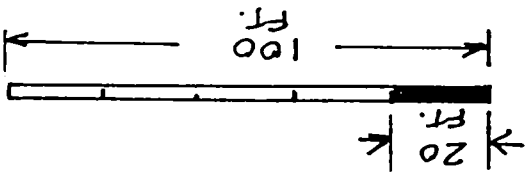
HOLE No. JC-942

(CL. No. P.849065)

AZ-155°

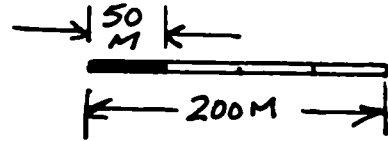
DIP-(-45°)

SCALE: 1 IN. = 40 FT



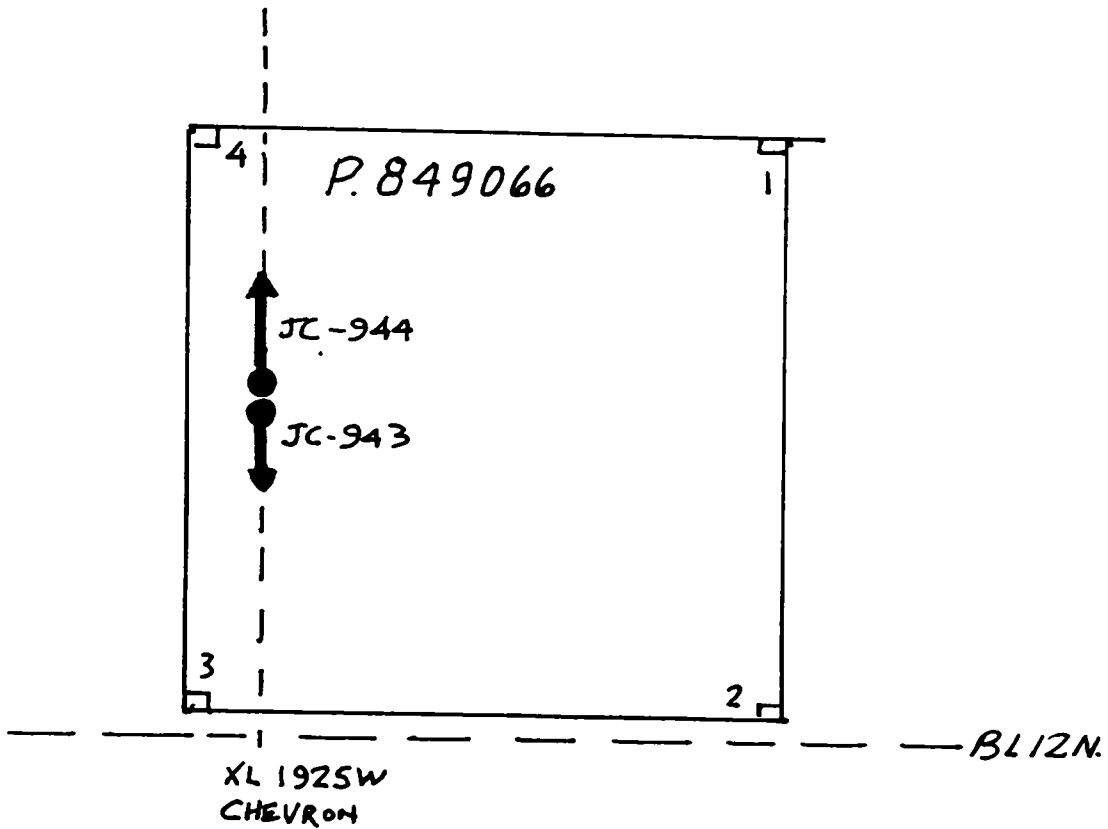
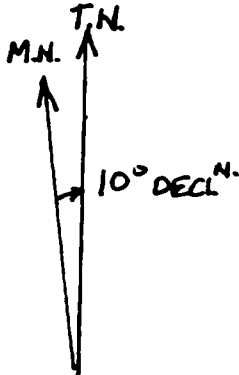
DRILL HOLE PLAN MAP

SCALE: 1CM=50M



HOLES JC-943 & JC-944

	↓	↓
LENGTH OF HOLES	250'	276'
DIRN. OF HOLES	180° AZ	0° AZ
DIP. OF HOLES	-45° S	-45° N
CORE DIAMETERS	1 3/16"	1 3/16"



D.D. HOLE NO.

JC-943

DIP -45°S

180° Az BEARING

LENGTH 250 FT

VERT. DEPTH OVRDN. 35 FT

CLAIM No. P. 849066 CORE φ-1 3/16

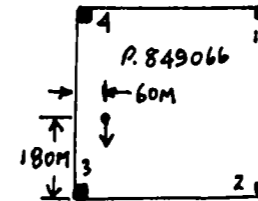
Page No. 1 OF 1

BEGAN JUNE 29/95

FINISHED JULY 9/95

DRILL CONTRACTOR - LARRY J. SALO, CONNAUGHT

CORE STORED AT M. KANGAS COTTAGE, KAMISCOTIA



LOG COMPLETED - JULY 10/95

LOGGED BY: J.E. CROXALL

J.E. Croxall

FOOTAGE DRILLED				No.	ASSAYS From - To	AU pph
FROM	TO	FT				
0	50	50	CASING			
50	139	89	ALTERED FELDSPAR PORPHYRY - SALMON PINK COLOUR DARKENING TO BRICK RED FROM 134' TO 139'. SPARSE DISSEMINATED PYRITE THROUGHOUT AT APPROX. 1% OF CORE. PERVASIVE SILICIFICATION OCCURS AS FOLLOWS:			
			56'-60'	38	56'-60'	55
			81'-84'	39	81'-84'	NIL
			89'-93'	40	89'-93'	NIL
			95.5'-99.5'	41	95.5-99.5	3
			120'-124.5'	42	120'-124.5	21
			130'-133'	43	130'-133'	17
			133'-139'	44	133'-139'	14
139	250	111	DIABASIC ROCK - fine grained even texture, black-red brown grains.			

D.D HOLE NO
DIP

JC-944

-45° N

0° AZ BEARING

CLAIM No. P.849066 CORE Ø - 1 3/16"

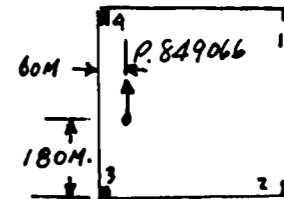
DRILL CONTRACTOR - LARRY J. SALO, CONNAUGHT

LENGTH 276 FT
VERT. DEPTH OVBDN. 32 FT

Page No. 1 OF 1

CORE STORED AT M. KANGAS COTTAGE - KAMISCOTIA

BEGAN July 17/95
FINISHED July 22/95



LOG COMPLETED JULY 23/95
LOGGED BY: J.E. CROXALL

J.E. CROXALL

FOOTAGE DRILLED				No.	ASSAYS FROM-TO	AU
FROM	TO	FT.				
0	46	46	CASING			
46	276	230	ALTERED FELDSPAR PORPHYRY - GENERALLY SALMON PINK TO BRICK RED			
			IN COLOUR. EXCEPT FROM 236-244 AND 244.5 TO 276 WHERE CORE			
			BECOMES GREY-RED. BEYOND 262 TO 276 MOST OF THE CORE IS MISSING WITH			
			BADLY CRUSHED & GROUND REMNANT PIECES ONLY. PERVASIVE SILICIFICATION			
			OCCURS AS FOLLOWS:			
			68.5 TO 74.0	45	68.5-74.0	NIL
			133 TO 139	46	133-139	NIL
			158 TO 162	47	158-162	31
			168 TO 169.5	48	168-169.5	65
			236 TO 244	49	236-244	10
			245.5 TO 251	50	245.5-251	24
			251 TO 256	51	251-256	7
			256 TO 262	52	256-262	7
			262 TO E.O.H.			
			SECTION CONTAINS TWO VERY FINE GRAINED GREY-GREEN MAFIC			
			DIKES @ 231-236 AND 244-245.5.			

DRILL HOLE CROSS SECTION FACING EAST

HOLES JC-943 & JC-944

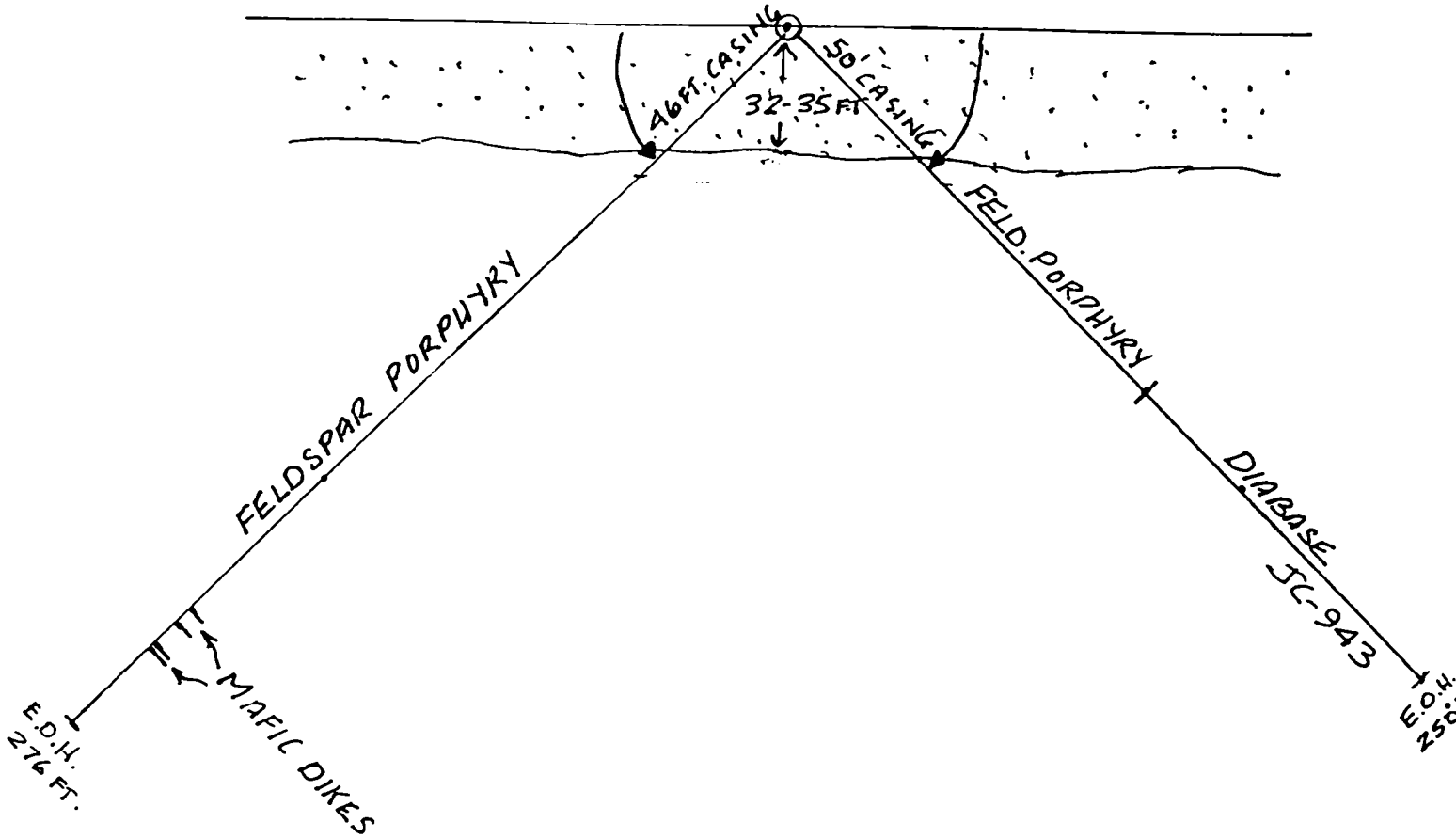
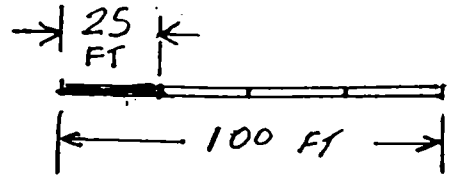
CLAIM No. P.849066 SCALE: 1" = 50'

AZ. JC 943 - 180°

AZ JC 944 - 0°

DIP " - (-45°S)

DIP " - (-45°N)



DRILL HOLE PLAN MAP

SCALE: 1 CM = 50 M.

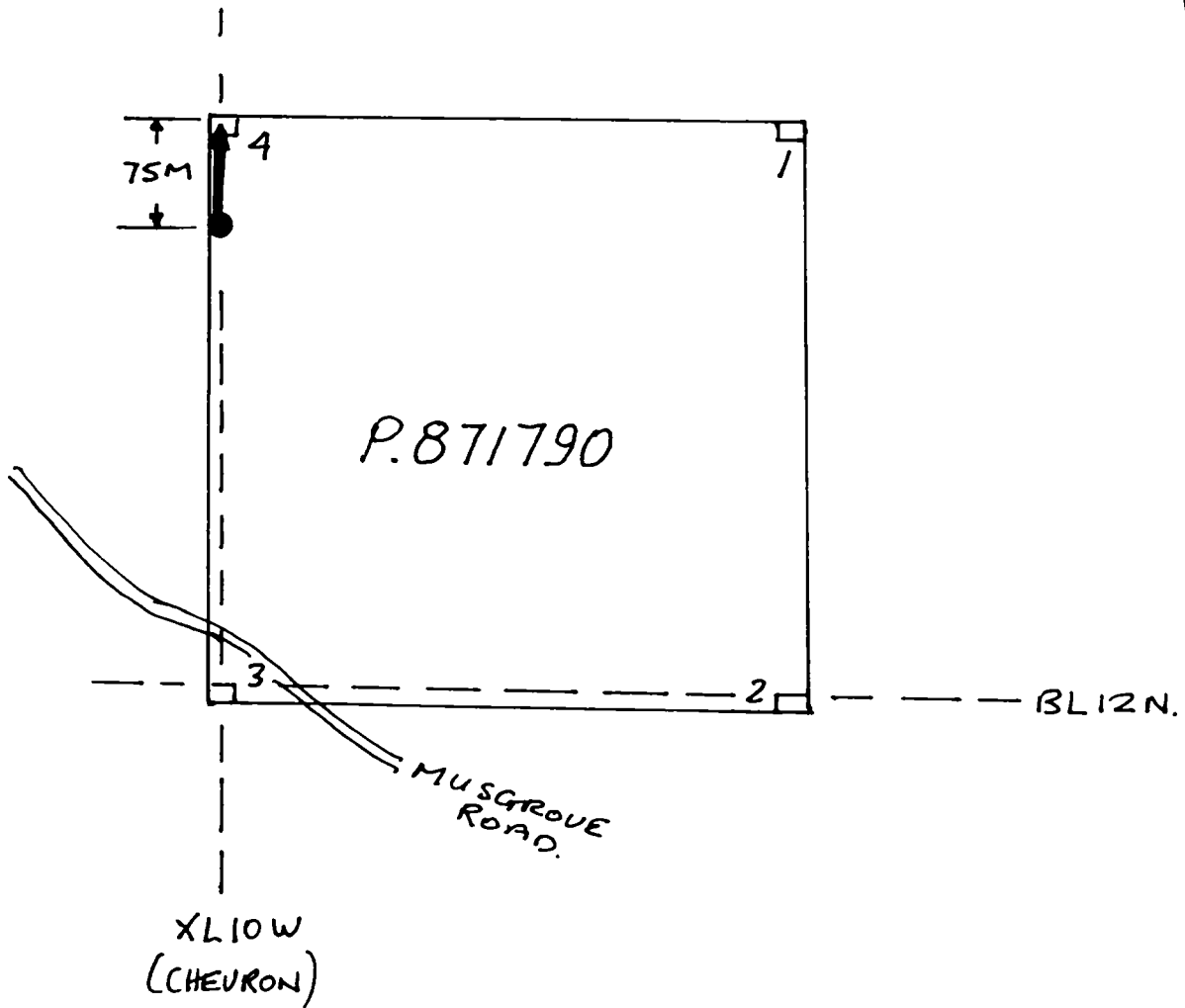
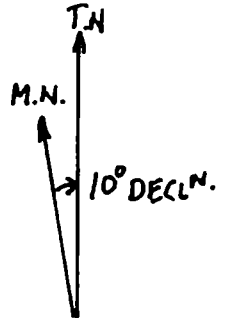
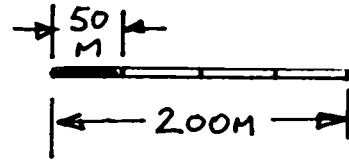
HOLE No. MK-937

LENGTH OF HOLE = 354 FT (108 M.)

DIRECTION OF HOLE = $AZ 0^\circ$

DIP OF HOLE = $-45^\circ N$

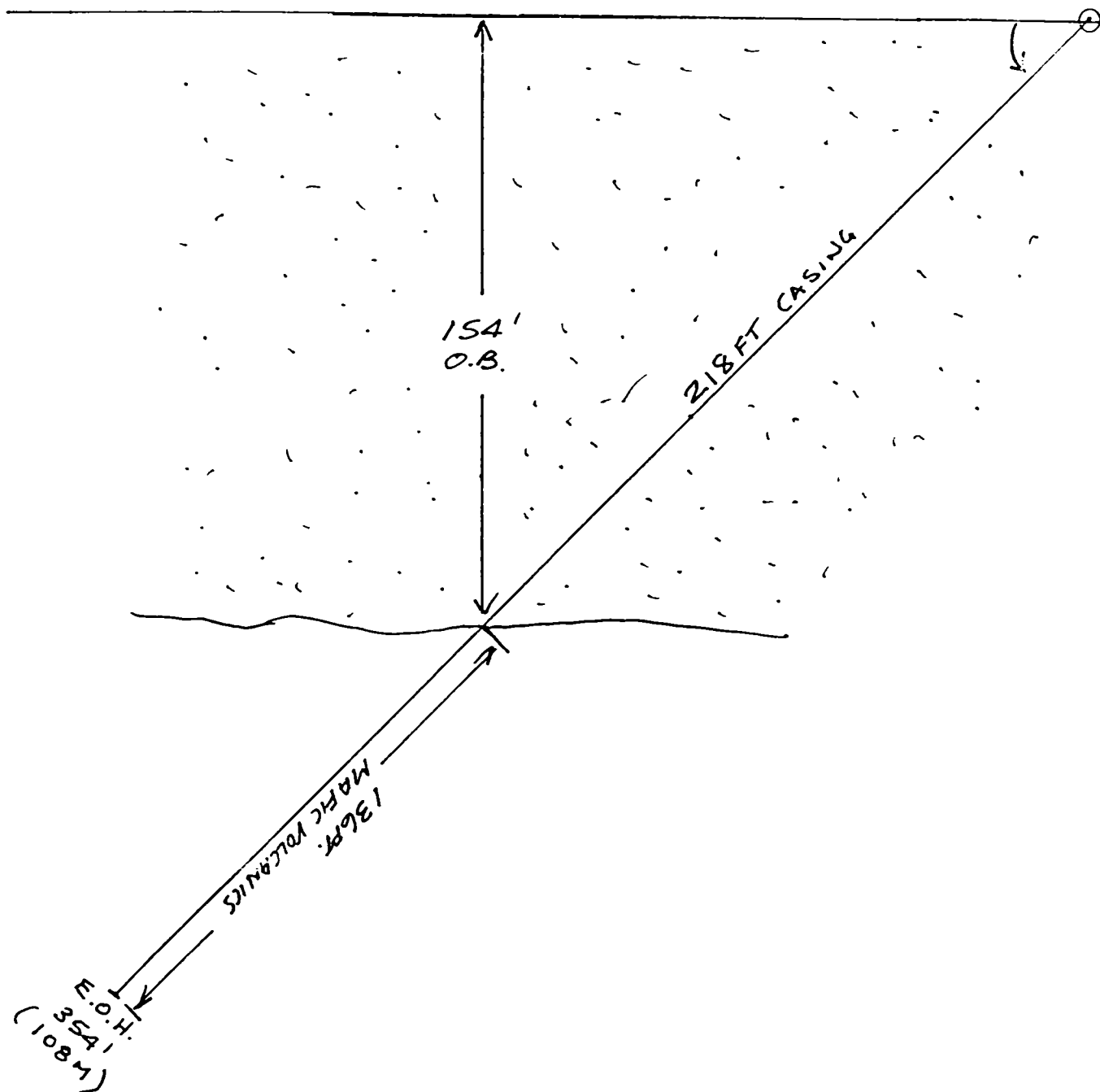
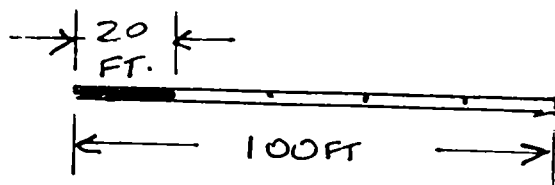
CORE DIAMETER = $1\frac{3}{8}$ "



DRILL HOLE CROSS SECTION FACING EAST

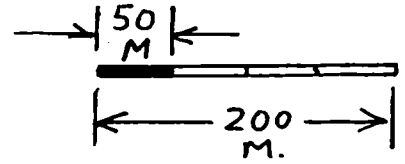
HOLE No. MK-937

(C.I. No 871790) SCALE: 1" = 40'
AZ-0° DIP-(-45°N)



DRILL HOLE PLAN MAP

SCALE: 1 CM = 50 M.



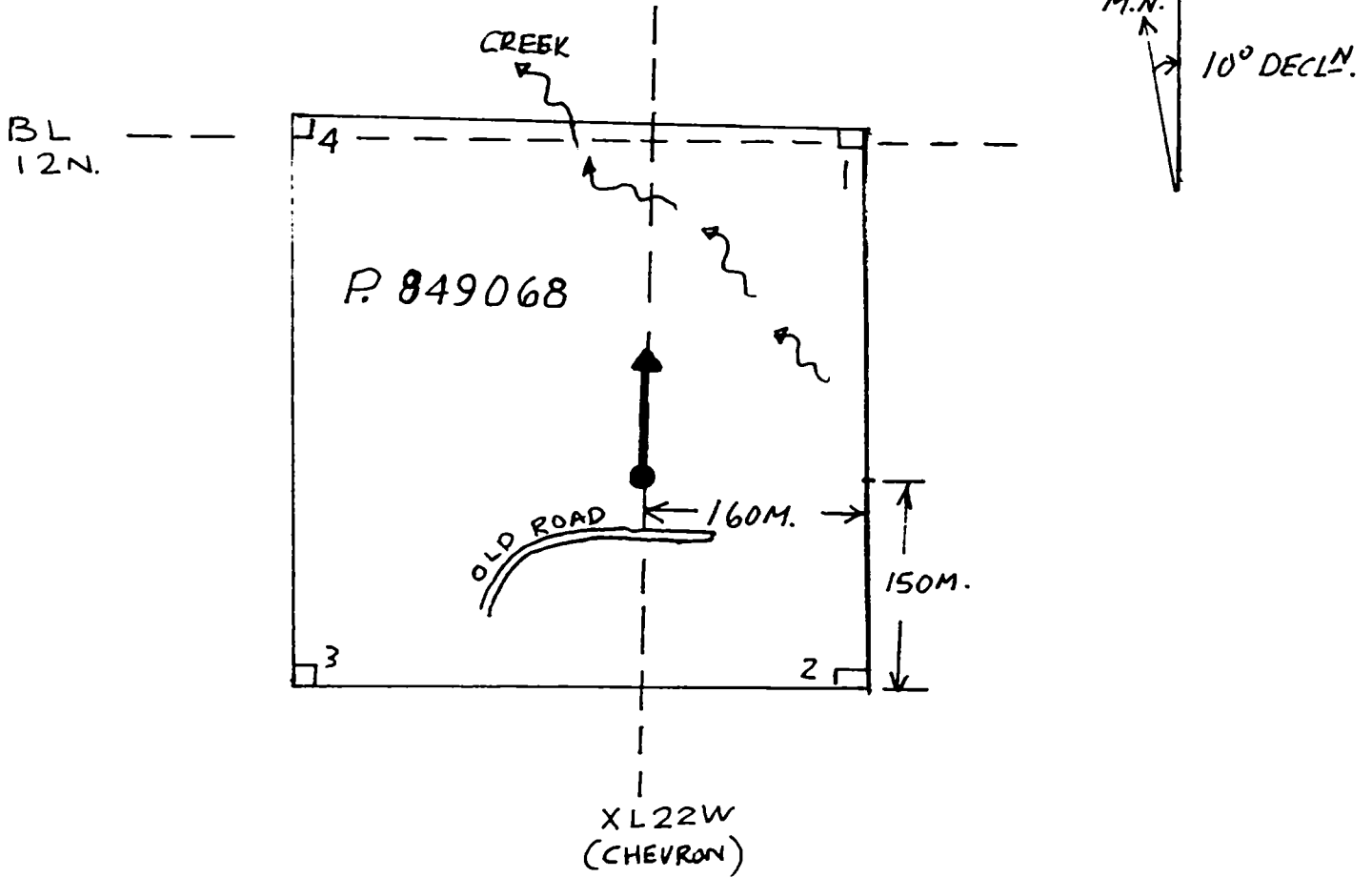
HOLE No. MK-938

LENGTH OF HOLE = 406 FT (123.7 M)

DIRECTION OF HOLE = AZ. θ°

DIP OF HOLE = -50° N.

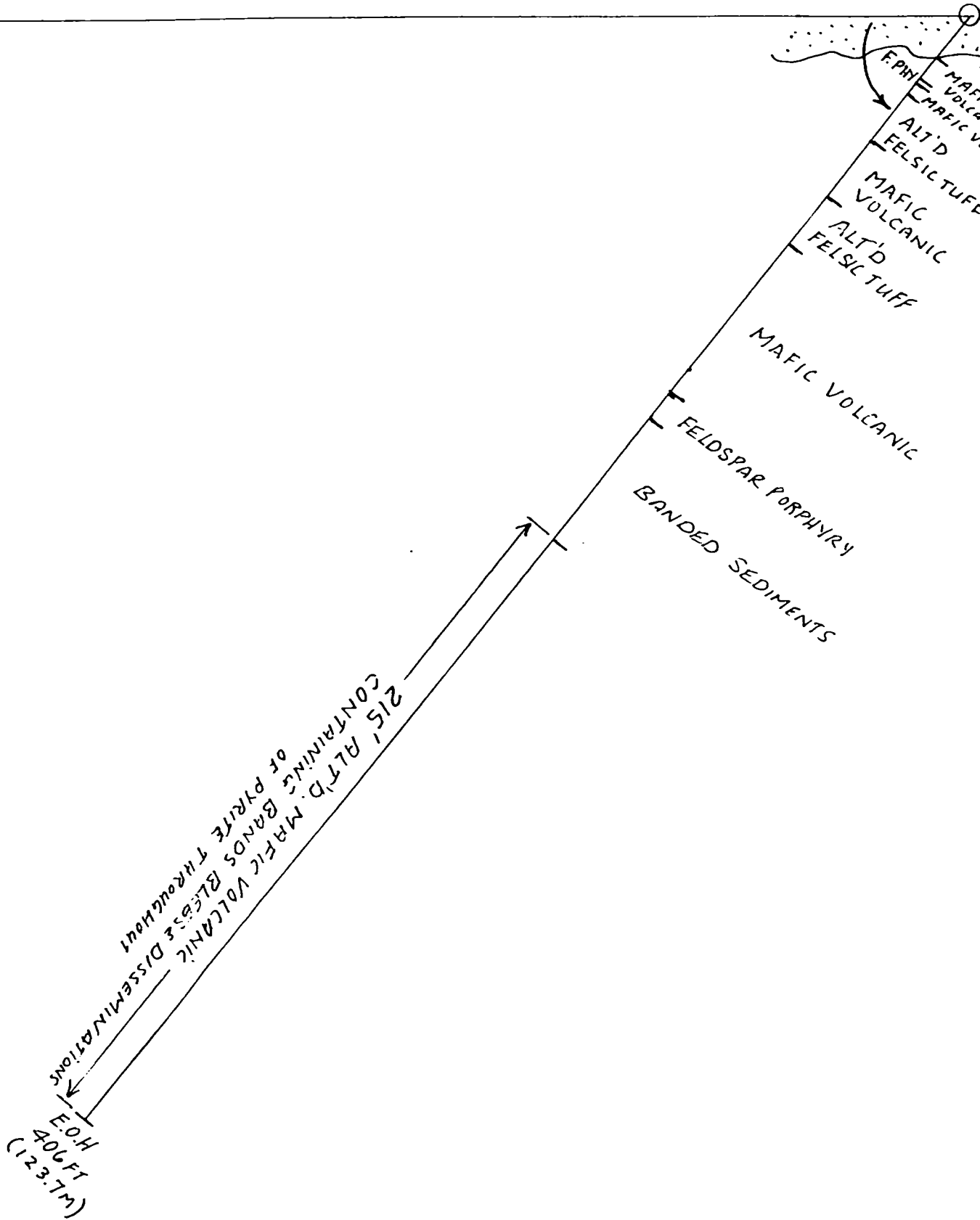
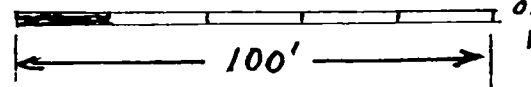
CORE DIAMETER = $1\frac{3}{8}$ "



DRILL HOLE CROSS SECTION FACING EAST

HOLE No. MK-938 AZ.-0° DIP-(50°N) → 20' ←

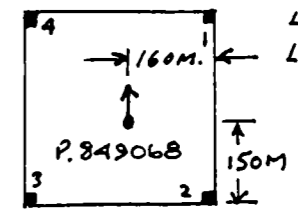
(CL.No.849068) SCALE: 1 IN = 40 FT



DD HOLE NO. MK-938
 DIP 50°N BEARING 0°AZ
 CLAIM No. P.849068 CORE ϕ -1 3/8"
 DRILL CONTRACTOR - LARRY J. SALO, CONNAUGHT

LENGTH 406 FT.
 VERT. DEPTH OVBDN 10 FT

Page No. 1 OF 4
 BEGAN JUNE 20/95
 FINISHED JUNE 27/95
 CORE STORED AT M.KANGAS COTTAGE, KAMISCOOTIA.



LOG COMPLETED - JUNE 28/95
 LOGGED BY: J.E. CROXALL
J. E. Croxall

FOOTAGE DRILLED				No	ASSAYS From-To	Au ppb
FROM	TO	FT.				
0	15	15	CASING			
15	22	7	MAFIC VOLCANIC - FINE GRAINED, HARD, MAGNETIC, ALTERED TO DARK REDDISH-BROWN WITH SPARSE, FINE PYRITE DISSEMINATIONS. OVER LAST 2 FT. COLOUR FADES TO GREY WITH FAINT BEIGE COLOURED FRAGMENTS			
22.0	24.5	2.5	FELSIC PORPHYRY - REDDISH COLOUR, VERY SPARSE DISSEMINATED PYRITE IN FIRST 1.5 FT, OBSCURE GREY QUARTZ STRINGER IN LAST 1.0 FT	1	22-24.5	NIL
24.5	28.0	3.5	MAFIC VOLCANIC - MAGNETIC, FINE GRAINED GREY-BUFF COLOURED, FAINT REDDISH ALTERATION IN PLACES. INCLUDES 5" WIDE LAPILLI TUFF LAYER (FAINT GREY CHERTY FRAGMENTS FROM 1/8" TO 1/2" SIZE IN ALTERED DARK RED MATRIX)			
28.0	46.0	18	ALTERED FELSIC TUFF - FIRST 6 FT LIGHT BEIGE TO RED, NEXT 8 FT GREYISH RED, LAST 4 FT BECOMING PURPLE-GREY. LIGHT GREY-BUFF CHERTY GRAINS TO 1/8" THROUGHOUT. VERY SPARSE DISSEMINATED PYRITE IN PLACES.	53	34.5-38.0	31
				54	38.0-46.0	24

D.D. HOLE NO. MK-938 (CONT'D)
 DIP _____ BEARING _____

LENGTH _____
 VERT. DEPTH OVBON. _____

Page No. 2 OF 4

BEGAN _____
 FINISHED _____

FOOTAGE DRILLED				No.	ASSAYS From-To	RU
FROM	TO	FT				
46	66	20	MAFIC VOLCANIC - GREENISH BLACK TO 55', BLEACHED APPEARANCE (IN PLACES BEYOND 55') TO CHERTY GREY-BUFF COLOUR. FAINTLY MAGNETIC IN PLACES. FAINT FINE GRAINED MOTTLING THROUGHOUT. (COULD BE TUFFACEOUS). VERY SPARSE FINE DISSEMINATED PYRITE WITH SOME PYRITE IN NARROW THREADS. A 1 FT. SECTION AT 61 FT. IS COARSE LAPILLI TUFF WITH CHERTY FRAGMENTS 1/8" IN SIZE. MINOR GREY QUARTZ STRINGERS IN PLACES.	55	46.0-50.5	3
				56	50.5-56.0	NIL
				57	56.0-61.0	NIL
				58	61.0-66.0	82
66	83	17	ALTERED FELSIC TUFF - LIGHT GREY CHERTY FRAGMENTS 1/16" TO 3/8" IN SIZE. MATRIX ALTERED TO LIGHT BRICK RED COLOUR.	2	68.5-71.5	2026
				59	66.0-68.5	219
				60	71.5-75.5	408
83	139	56	MAFIC VOLCANIC - FINE GRAINED GREY-GREEN HARD ROCK. MAGNETIC IN MOST PLACES. SOME SECTIONS ALTERED TO DARK REDDISH BROWN. FIRST 2' AND LAST 3' ARE VERY FINE GRAINED AND BUFF COLOURED.	61	75.5-79.5	175
				62	79.5-83.5	24
				63	83.5-86.0	17
139	147.5	8.5	FELDSPAR PORPHYRY - RED GREY COLOUR. GENERALLY MEDIUM GRAINED WITH DISSEMINATED PYRITE TO 1%. OCCASIONAL FLECKS OF SHINY GREY MINERAL WITH A GREY STREAK, OCCASIONAL COARSE LIGHT GREY-WHITE FELDSPAR PHENOCRYSTS TO 1/2"-5/8" IN LENGTH.	3	139-147.5	27

D.D. HOLE NO MK-938 (CONT'D)
 DIP _____ BEARING _____

LENGTH _____
 VERT. DEPTH OVBON. _____

Page No. 304

BEGAN _____
 FINISHED _____

FOOTAGE DRILLED				No	ASSAYS From-To	Au.
FROM	TO	FT				
147.5	191	43.5	BANDED SEDIMENTS - ALTERNATING DARK & LIGHT GREY BANDS, NON MAGNETIC,	4	154.5-159	NIL
			VERY SPARSE DISSEMINATED PYRITE MAINLY IN DARKER BANDS (UP	5	163.5-168.5	NIL
			TO 1% OF ENTIRE CORE IS PYRITE). CORE IS MAGNETIC FROM 179'-191',	6	181-188	NIL
			1 FT. BRECCIATED & RED AT 181 WITH GREY METALLIC MAGNETIC			
			THREADS			
191	406	215	MAFIC VOLCANIC - VARIABLE APPEARANCE THROUGHOUT.	7	191-197	NIL
			191-197 - GRAPHITIC APPEARANCE WITH BEDS OR SEAMS OF PYRITE	8	201-205	NIL
			OCCUPYING 15%-30% OF CORE.	9	208.5-213.5	NIL
			197-199 - DARK REDDISH BROWN ALTERATION. MORE PYRITE			
			SEAMS FROM 10%-15% OF CORE			
			199-224 - CORE BECOMING PISTACHIO GREEN WITH BROWN ALTERATION PATCHES.	10	213.5-218.5	3
			DISSEMINATED PYRITE THROUGHOUT WITH OCCASIONAL SEAMS			
			& BLOTCHES OF PYRITE 1" TO 2" WIDE.			
			224-226 - MOSTLY RED-BROWN ALTERATION, FINE DISSEM. PYRITE THROUGHOUT			
			226-243 - MEDIUM RED-BROWN COLOUR. DISSEM. PYRITE THROUGHOUT.	11	226.7-231.2	NIL
			OCCASIONAL SEAMS AND BLEBS OF PYRITE.	12	231.2-236	NIL
			243-248 - PISTACHIO COLOUR PREDOMINATES. PYRITE IN FINE DISSEMINATIONS	13	236-240.5	NIL
			AND OCCASIONAL BLEBS			

D.D. HOLE NO. MK-938 (CONT'D)
 DIP _____ BEARING _____

LENGTH _____
 VERT. DEPTH OVBDN. _____

Page No. 4 OF 4

BEGAN _____
 FINISHED _____

FOOTAGE DRILLED				No	ASSAYS From-To	AU
FROM	TO	FT				
			248-286 SAME AS 226-243	14	249-254	NIL
			286-292 PISTACHIO GREEN RETURNS. SPARSE PYRITE.	15	256.5-261	NIL
			292-309 SAME AS 248-286	16	262-265.8	NIL
			309-313 SLIGHTLY MORE MASSIVE & LIGHTER IN COLOUR. OCCASIONAL PYRITE BLEBS	17	271.0-274.5	NIL
			313-324 DARKER RED-BROWN ALTERATION WITH INCREASED AMOUNT OF DISSEM. PYRITE, FEW BLEBS OF PYRITE	18	279-284	NIL
			324-339 FINE GRAINED, ALTERNATING BLUISH GREEN AND DARK BROWN, DISSEM. PYRITE THROUGHOUT	20	308-312	3
			339-350 PISTACHIO GREEN - SPARSE F.G. DISSEM. PYRITE.	21	317.5-322.5	NIL
			350-360 ALTERNATING BLUISH GREEN & GREY-BROWN BANDING VERY SPARSE FINE DISSEM. PYRITE THROUGHOUT, OCCASIONAL PYRITE BLOTCHES	22	329-333	NIL
			360-370.5 PISTACHIO GREEN WITH DARK COLOURED BANDS, DISSEM. PYRITE THROUGHOUT, FINE DUSTY PYRITE IN THE DARK BANDS	23	351-357	NIL
			370.5-384 SAME AS 350-360	24	365-368	NIL
			384-406 LARGELY PISTACHIO GREEN, OCCASIONAL SHORT SECTIONS WITH DARKER GREEN BLOTCHES	25	370.5-376.3	NIL

DRILL HOLE PLAN MAP

SCALE: 1CM = 50M.

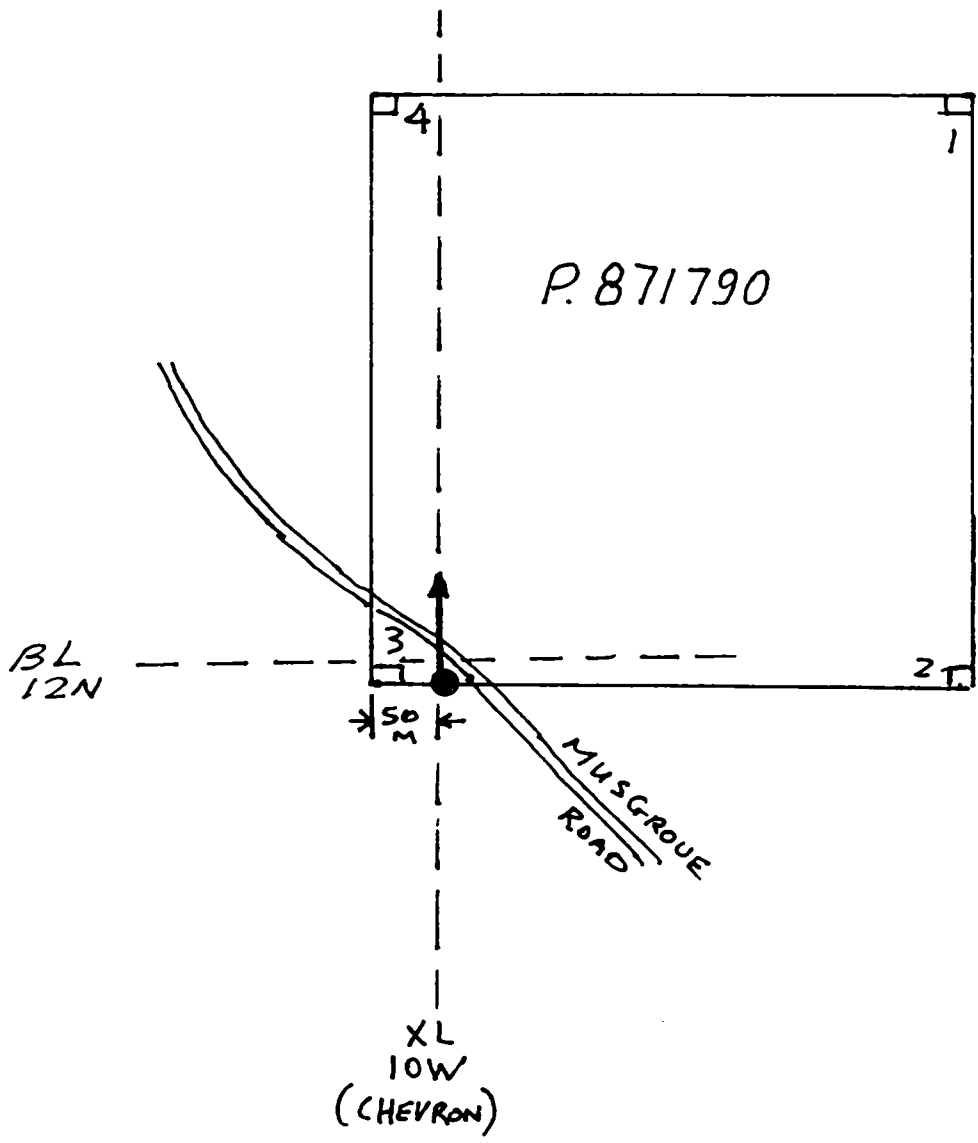
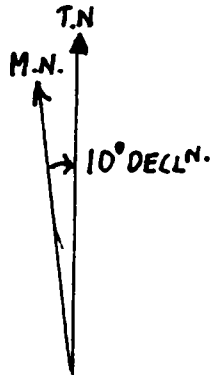
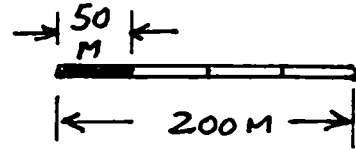
HOLE NO. MK-936

LENGTH OF HOLE = 246 FT. (75 M.)

DIR^N. OF HOLE = A Z 0°

DIP. OF HOLE = -45°N

CORE DIAMETER = 1 3/8"

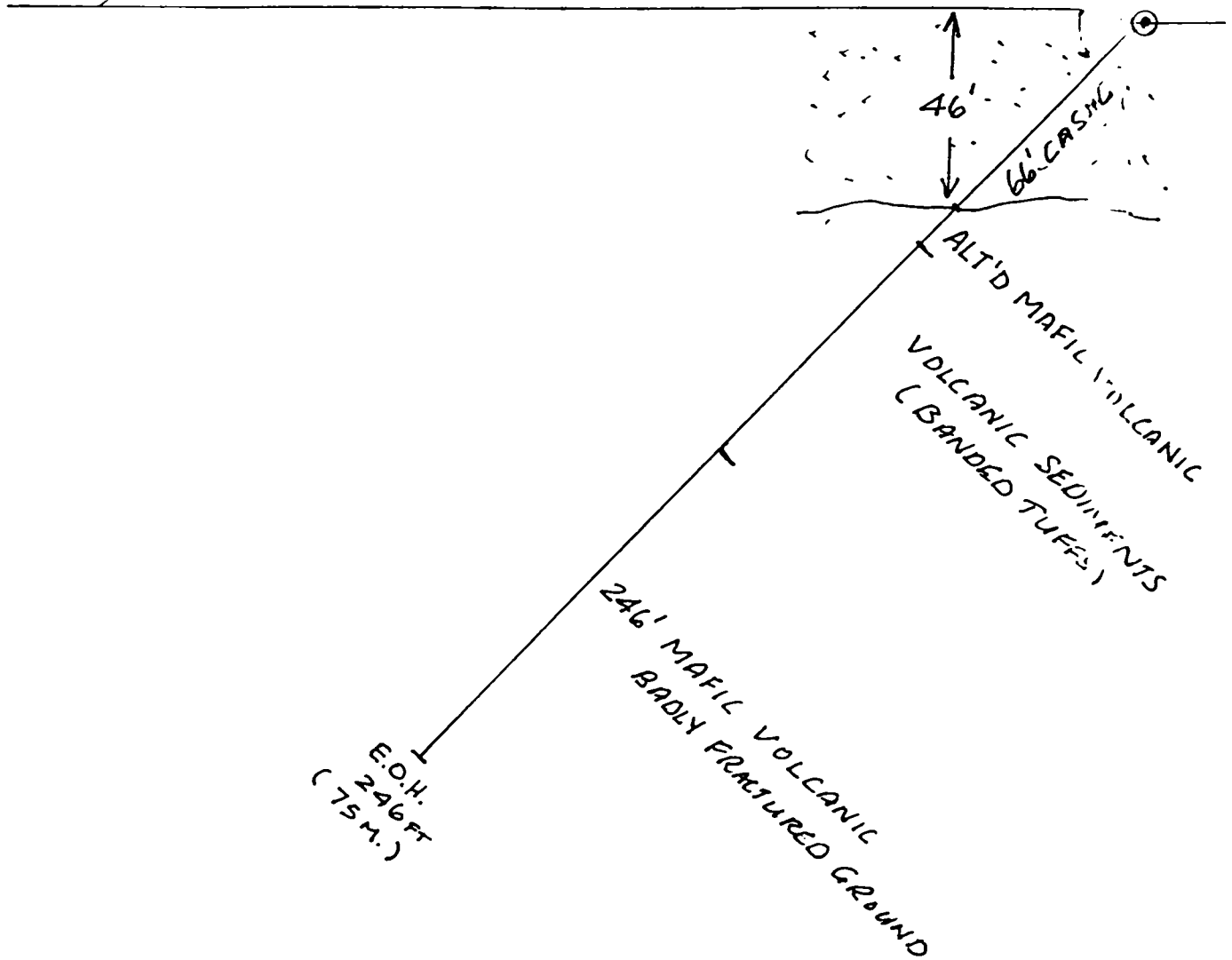
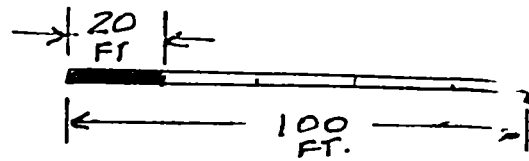


DRILL HOLE CROSS SECTION FACING EAST

HOLE No. MK-936

(CL No P871790) SCALE 1" = 40 FT

AZ. - 0° DIP - (-45°N)



D.D. HOLE NO
DIP 45°N

MK-936

0° A2 BEARING

CL. No P.871790 CORE $\phi = 1\frac{3}{8}$ "

DRILL CONTRACTOR - LARRY J. SALO, CONNAUGHT

LENGTH 246 FT

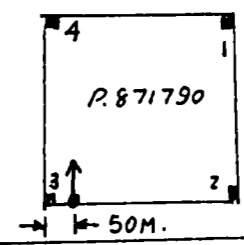
VERT. DEPTH OVRDN 46 FT

Page No. 1 OF 2

CORE STORED AT M. KANGAS COTTAGE, KAMISCOOTIA

BEGAN MAY 29/95

FINISHED JUNE 1/95



LOG COMPLETED JUNE 2/95
LOGGED BY: J.E. CROXALL

J. E. Croxall

FOOTAGE DRILLED				ASSAYS From-To	Au ppb
FROM	TO	FT			
0	66	66	CASING		
66	78	12	ALTERED MAFIC VOLCANIC - DARK GREENISH BLACK ROCK ALTERED TO DARK REDDISH BROWN IN MOST PLACES. CORE IS BROKEN, FRACTURED AND VUGGY BETWEEN 75' AND 78'. SPARSE PYRITE.	26 66.2-69.7	NIL
78	146	68	VOLCANIC SEDIMENTS (BANDED TUFFS) 78-83 ALTERED TO MEDIUM BROWN 83-91 YELLOWISH GREY 91-96 GREY-GREEN 96-111 PINKISH GREY 111-140 GREY GREEN & DARK GREY GREEN, BANDING IS PINKISH IN SPOTS 140-144 BUFF COLOURED BANDING, HIGHLY CONTORTED 144-144.5 SIX INCH DARK-COLOURED BAND WITH SEMI-MASSIVE PYRITE (80%) 144.5-146 10%-15% PYRITE IN SEAMS 1/8" TO 1/2" WIDE	27 86-92	NIL
146	246	100	MAFIC VOLCANIC - CORE BADLY FRACTURED & BROKEN UP 146-156 FINE GRAINED GREY-GREEN COLOUR, VUGGY. 156-175 ALTERED TO MEDIUM BROWN	28 166-170	3

D.D. HOLE NO
DIP

MK-936 (CONT'D)

BEARING

LENGTH
VERT. DEPTH OVBON

Page No. 2 OF 2

BEGAN
FINISHED

FOOTAGE DRILLED				No	ASSAYS From-To	RM
FROM	TO	FT				
			175-180 GREY-GREEN WITH VERY FINE DISSEMINATED PYRITE			
			180-188 ALTERED TO MEDIUM BROWN, FINE DISSEMINATED PYRITE			
			188-195.5 DARK REDDISH-BROWN ALTERATION, FAIR PYRITE DISSEMINATIONS AND BANDS	29	191.5-195.8	NIL
			195.5-201.0 FINE GRAINED GREENISH GREY, VUGGY			
			201-206 ALTERED REDDISH-BROWN			
			206-209 GREY-GREEN IN COLOUR			
			209-211 ALTERED REDDISH-BROWN			
			211-216 GREY GREEN; 213.5-215.0 8" WIDE QUARTZ VEIN CONTAINING BLACK BLOTCH OF PYRITIC MATERIAL (LAST 2" ARE ORANGE CALCITE) THEN 4" GREY-GREEN ROCK FOLLOWED BY A SECOND 6" W. QUARTZ VEIN.	30	213.5-215.0	NIL
			216-226 ALTERED BROWN, VERY SPARSE PYRITE			
			226-246 ALTERNATING GREY-GREEN AND BROWN SECTIONS, VERY SPARSE PYRITE			

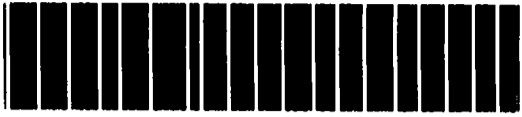


Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9560.00388

Personal information collected on this form is obtained under the authority of the MI
this collection should be directed to the Provincial Manager, Mining Lands, Mini
Sudbury, Ontario, P3E 6A5, telephone (705) 670-7284.



42A06SW0008 W9560-00388 PRICE

900

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) MATTI KANGAS & JAMES CROXALL		Client No. 150666 & 122685
Address 128 QUEEN AVE 1 152 BROCK AVE. TIMMINS, ONT., P4N4L6 TIMMINS, ONT., P4N7P1		Telephone No. 267-6175 & 267-4314
Mining Division PORCUPINE	Township/Area PRICE, OGDEN, THORNELOE	M or G Plan No.
Dates Work Performed From: MAY 27/95		To: SEPT. 3/95

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	1745 FT. DIAMOND DRILLING
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECORDED
SEP 27 1995

Receipt _____

Total Assessment Work Claimed on the Attached Statement of Costs \$ 19,118 + 1,500 = 20,618

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
LARRY SALO - DRILL CONTRACTOR	GENERAL DELIVERY, CONNAUGHT, ONT., P0N-1A0
MATTI KANGAS - DRILL SUPERVISION - CORE SPLITTING	128 QUEEN AVE., TIMMINS, ONT., P4N-4L6
JAMES CROXALL - DRILL SUPERVISION - CORE LOGS + REPORT	152 BROCK AVE., TIMMINS, ONT., P4N-7P1

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date SEPT 27, 95	Recorded Holder or Agent (Signature) Matti Kangas
--	----------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying J.E. CROXALL & MATTI KANGAS		
Telephone No. 267-4314 / 267-6175	Date SEPT 27 / 95	Certified By (Signature) Matti Kangas - J.E. Croxall

For Office Use Only

Total Value Cr. Recorded 20618	Date Recorded	Mining Recorder	Received Stamp SEP 27 1995 TR 8:45
	Deemed Approval Date DEC. 26, 1995	Date Approved SEP 27 1995	
	Date Notice for Amendments Sent		

WORK DISTRIBUTION BY CLAIM.

P. 871790

DRILLING: MK-936 - 246'

 MK-937 - 354'

 TOTAL = 600' @ 10.32/FT. = 6192

ASSAYING: 9 AU ASSAYS @ 10.50 + GST @ 7% = \$ 101

EXTRAS : 50' LOST CASING @ 11.20/FT = \$ 560

 EXCESS DRILL MUD = \$ 400

 EXCESS RECOVERY LABOUR = \$ 150

 (TOTAL MK-937) TOTAL = \$ 7,403 (A)

PRORATED PORTION OF MOBE/DEMOBE *1 = \$ 573 (38.2% x 1500)

\$ 7,976

P. 849068

DRILLING: MK-938 = 406' @ 10.32/FT = 4190

ASSAYING: 39 AU. ASSAYS @ 10.50 + GST @ 7% = \$ 438

TOTAL = 4,628 (B)

PRORATED PORTION OF MOBE/DEMOBE = \$ 328 (21.9% x 1500)

\$ 4,956

P. 849065

DRILLING: J.C. - 942 = 213' @ 10.32/FT = 2198

ASSAYING: 3 AU. ASSAYS @ 10.50 + GST @ 7% = \$ 33

TOTAL = 2,231 (C)

PRORATED PORTION OF MOBE/DEMOBE = \$ 173 (11.5% x 1500)

\$ 2,404

P. 849066

DRILLING: JC-943 = 250'

JC-944 = 276'

TOTAL = 526' @ \$10.32/FT = 5428

ASSAYING: 15 AU. ASSAYS @ \$10.50 + GST @ 7% = \$168

TOTAL = \$5,596 @

PRORATED PORTION OF MOBE/DEMOBE = $\frac{427}{6,023}$ (28.4% x 1500)

TOTAL COST ALL DRILLING = \$19,118

TOTAL COST ALL ASSAYING = \$741

GRAND TOTAL = \$19,859 (A+B+C+D)

MOBE + DEMOBE = 1,500

* 21,359 TOTAL ASSESSMENT

* PRORATIONING MOBE/DEMOBE:

P. 871790 - \$7302 ÷ 19,118 = 38.2%

P. 849068 - \$4190 ÷ 19,118 = 21.9%

P. 849065 - \$2198 ÷ 19,118 = 11.5%

P. 849066 - \$5428 ÷ 19,118 = 28.4%

100.0%

703.M

PRICE 1MB

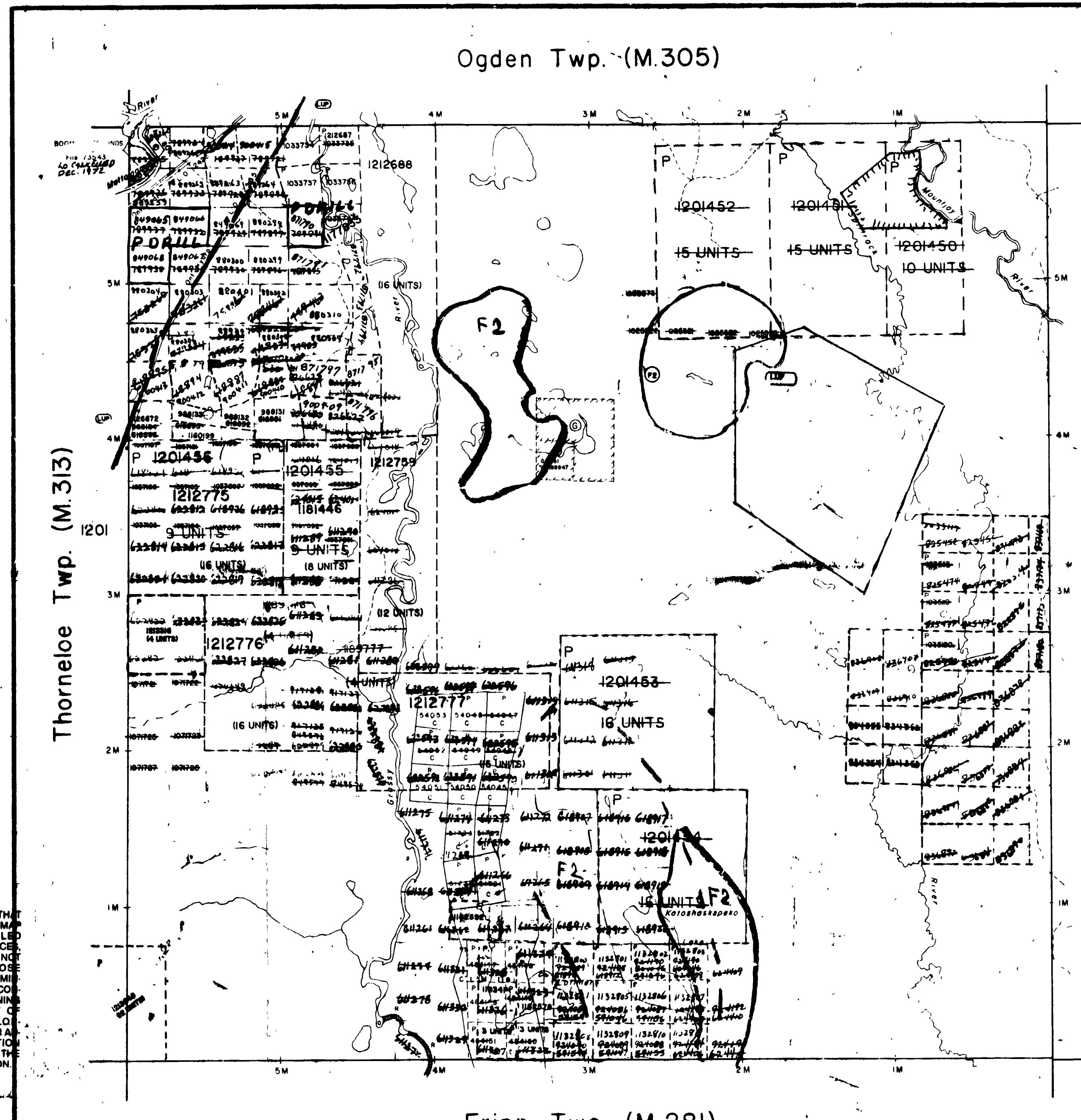
703

703.M

PRICE 1MB

703

Ogden Twp. (M.305)



THE TOWNSHIP OF

PRICE

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

DISPOSITION OF CROWN LANDS

PATENT, SURFACE AND MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◊
LEASE, SURFACE AND MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—
CANCELLED	—

NOTES

400' surface rights reservation along the shores of all lakes and rivers

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970)
 Order N^o File Date Disposition

① APPLICATION PENDING UNDER PUBLIC LANDS ACT
 NOTICE RECEIVED 93-MAR-30
 (SNOWMOBILE TRAIL)
 PLANNED RE FORESTATION
 MAR 12/83

② APPLICATION PENDING UNDER PUBLIC LANDS ACT
 NOTICE RECEIVED 93-JAN-23
 (WASTE DISPOSAL SITE)

③ THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995/96.
 AREAS DESIGNATED EXACTLY AS SUBMITTED BY MNR TRAINING.

SAND AND GRAVEL

④ QUARRY PERMIT

Rec. Oct. 3/79
 This township lies within the Municipality of the CITY of TIMMINS

PLAN NO M-307

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

