DIAMOND DRILLING

TOWNSHIP: WILHELMINA TWP. **REPORT NO:** 12

WORK PERFORMED FOR: Frank Palmy

RECORDED HOLDER: SAME AS ABOVE (xx)

: OTHER ( )

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P 1036233	1566-1	108.0m	Oct/89	(1)

NOTES: (1) # W8906.581, filed Jan/90

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M. & S. – MINING AND SURFACE RIGHTS

Option	Order No.	Date	Disposition	File
●				

OKE TWP.

AITKEN TWP.

Kapenina Twp

– Work Performed On.

Muskego R.

North L.

White

Caribou L.

Caribou Cr.

Whitehound Lk.

29 M

28 M

27 M

26 M

25 M

5 M

4 M

3 M

2 M

80.91

1032861 1032863 1032862 1032864

1074319 1074314 1074318 1074315

1074948 1074933 1074934 1073949 1074936 1074935

1116994 1116989 1116988 1116987 1116993 1116990 1116985 1074310 1116984 1074309 1116972 1074308 1116971 1074307 1116970 1074306 1116992 1116991 1074328 1074325 1074329 1074324

1088382 1074370 1074369 1074311 1074331 1074330 1074326 1074327

1088381 1074371 1074368 1030648 1030647 1030646 1030645 1030640

1088380 1074359 1074367 1034765 1034766 1034767 1034768 1034769

1045507 1045508 1032968 1032969 1036026 1034772 1034771 1034770

1045510 1045509 1032972 1032971 1036023 1036022 1036021 1036020

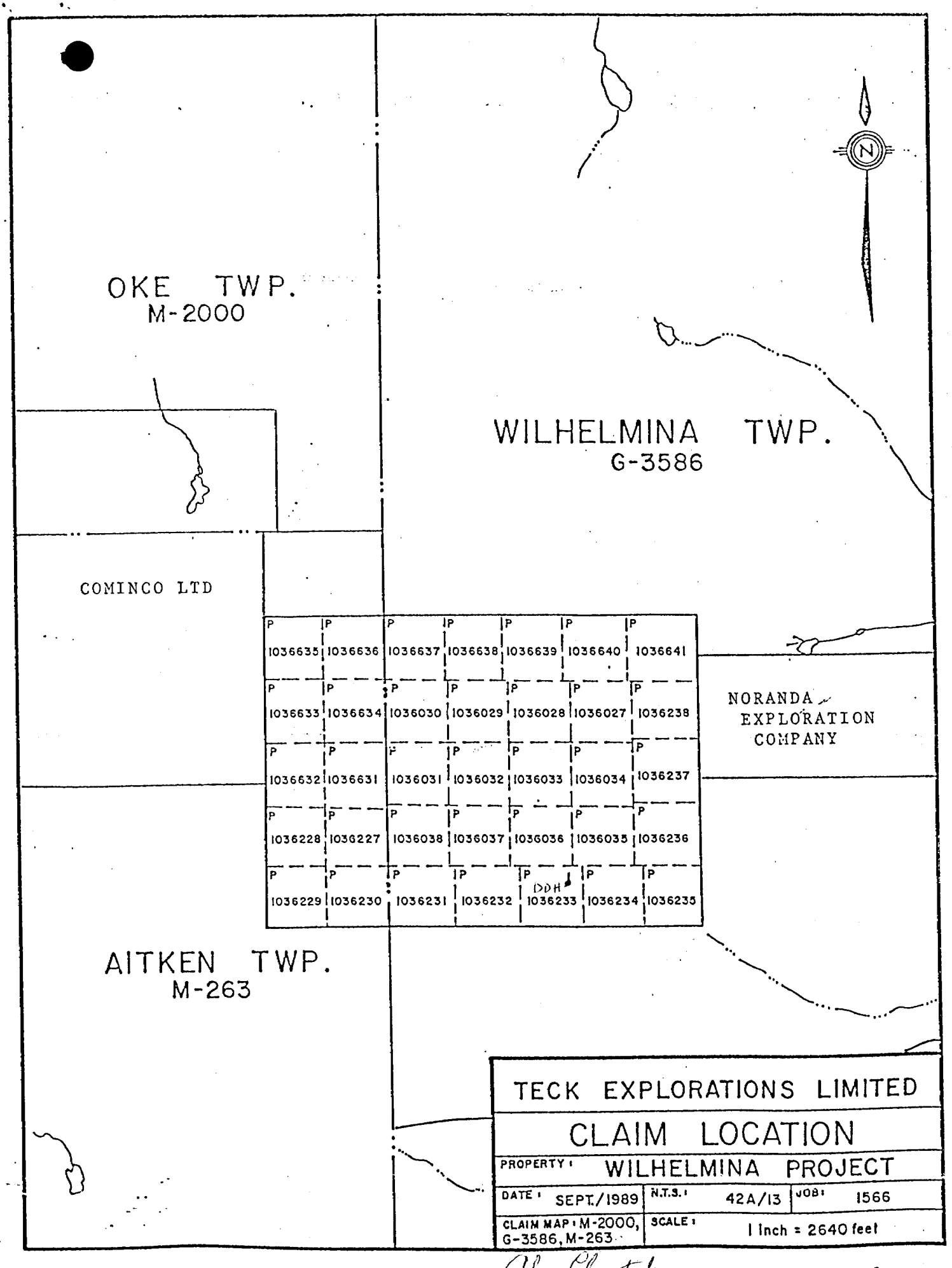
1075133 1075134 1075135 1075136 1075137 1075138 1075139

1075140 1075141 1075142 1075143 1075144 1075145 1075146

1075147 1075148 1075149 1075150 1075151 1075152

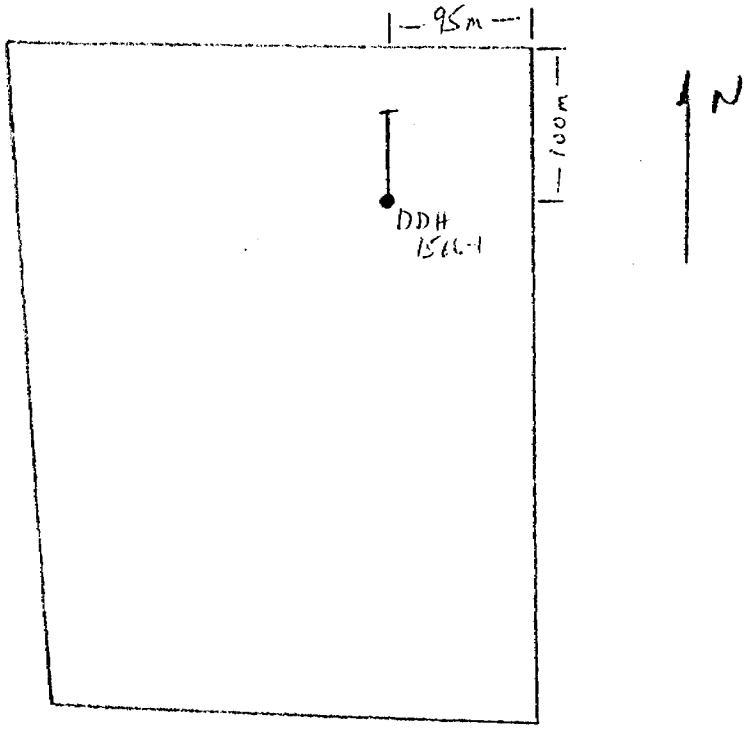
1074409 1074408 1074406 1074407 1074405 1074410 1074411 1074412 1074413 1074404 1074417 1074416 1074415 1074414 1074403 1074418 1074419 1113232

1036637 1036638 1036639 1036640 1036641 1035333 1032844 1032843 1032842 1032901 1032902 1036030 1036029 1036028 1036027 1036238 1035334 1032845 1032846 1032905 1032904 1032903 1036031 1036032 1036033 1036034 1036237 1036038 1036037 1036036 1036035 1036236 1036231 1036232 1036233 1036234 1036235



Alex Chmatyla

Figure 3



1:5000

Alex Christopher

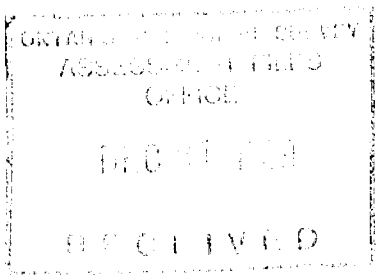
TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

JOB:	1566
NTS:	42 A/13
PROPERTY:	Wilhelmina Township
TOWNSHIP:	Wilhelmina Township
LOCATION:	**Line** 5+00W **Station** 4+85S **Elevation**
LOGGED:	A. Christopher
OBJECTIVE:	To test anomaly C1

DRILLING CO.:	Bradley Bros. Limited
COMMENCED:	October 11, 1989
COMPLETED:	October 12, 1989
LENGTH:	108.0 metres
CORE LOCATION:	Middleton Exploration - Timmins
DISTANCE TO WATER:	30 metres
CASING LOST:	Nil
CORE SIZE:	BQ

TESTS:

	Dip	Azimuth
At Collar	-60°	360°
50.0m	-57°	-
100.0m	-56°	-



REMARKS: 77.3-86.9 - Graphitic sediments (conductor).

Depth (m) From	Depth (m) To	Rock Type	Description	Sample No.	From	To	Length (m)	Au ppb	
0	38.5	OVERBURDEN	Casing.						
38.5	50.8	INTERMEDIATE TUFFS	Mixed unit of medium grey, moderately foliated and bedded (on 30cm to 1.5m scale) intermediate crystal tuff with 10% white feldspar phenocrysts/crystals to 3mm (possibly some large porphyritic fragments?). Minor sections of fine-grained, light to medium grey, locally laminated siltstone interbeds. Traces of pyrrhotite and pyrite are present.						
			39.7-40.3 - Quartz vein.	F3984	39.7	40.7	1.0	Nil	
			40.5-40.7 - Quartz vein.						
			43.1-44.1 - Siltstone bed. Contacts at 44° to core axis.						
			46.7-47.6 - Quartz vein with traces of pyrite.	F3985	46.7	47.6	0.9	Nil	
			48.4-49.0 - Felsic lapilli fragments with trace pyrite + pyrrhotite. 30% white fragments of quartz + carbonate.	F3986	48.4	49.7	1.3	Nil	
			49.0-49.2 - Quartz + carbonate vein.						
			49.3-49.7 - Quartz-carbonate vein with 20% biotite and trace pyrrhotite.						
			49.7-50.0 - Siltstone interbed.						
			50.1-50.5 - Light grey, fine-grained, massive to weakly foliated (dacitic) intermediate dyke.						
50.8	77.3	SEDIMENTS	Mixed unit of medium to light grey, fine-grained laminated/bedded siltstone and interbedded argillite. Traces of pyrite + pyrrhotite are present.						
			51.5-51.6 - Minor quartz + carbonate veinlets and 1% pyrrhotite.						
			55.1-55.5 - 1-2% pyrite.						
			55.5-55.8 - Buff-coloured (felsic?) altered sediment.						
			56.9-57.2 - Argillite with 1-2% pyrite, a 2cm quartz-carbonate vein at upper contact.	F3987	56.9	57.7	0.8	Nil	
			57.5-57.7 - Argillite with 2-3% pyrite.						
			Below 59.6 interbedded greywacke. (Light to medium grey, massive to moderately foliated and bedded. Grain size <1.5mm with feldspar phenocrysts.)						
			60.3-62.7 - Greywacke.						
			61.4-62.0 - Light grey to white altered section. Very hard.						
			62.9-63.5 - Dyke? Green to brown with moderate foliation, quartz + feldspar crystals (to 2mm) and 10-15% biotite.						
			65.2-65.4 - 50% contorted carbonate-rich beds (veining?).						
			66.9-68.0 - Greywacke? possibly intermediate tuffs. Appears banded in places on 5mm to 1cm scale (possibly fragments).						

Depth (m) From	Depth (m) To	Rock Type	Description	Sample No.	From	To	Length (m)	Au ppb	
			68.0-68.2 - Quartz vein, trace pyrite + pyrrhotite. Below 68.2, laminated siltstone + argillite with interbedded graphitic argillite, trace to locally 2% pyrite and trace to 1% pyrrhotite.						
			73.8-74.3 - Grey-brown (not typical) section with 25% carbonate blebs to 3mm. 10-20% pyrrhotite (fine-grained, disseminated). Weakly magnetic.	F3988	73.8	74.3	0.5	Nil	
			76.7-77.3 - Grey-yellow felsic tuff?? Sericitic, trace to 3% pyrite.	F3989	76.7	77.3	0.6	Nil	
77.3	86.9	SEDIMENTS AND GRAPHITIC SEDIMENTS (CONDUCTOR)	Similar to above unit but with up to 20% graphitic argillite and locally 2-4% pyrite. Minor grey-yellow sericitic felsic tuff interbeds are present. Section is well laminated/bedded with up to 3% carbonate veinlets. This unit is often broken up/blocky and internal contacts are not well preserved.						
			78.3-78.6 - Possibly an intermediate medium-grained dyke. Contacts ground, 2-5% pyrite.	F3990	78.3	79.5	1.2	Nil	
			79.3 - 5cm similar to above (trace pyrite). Contacts ground.						
			79.5-79.6 - Pale grey, very hard siliceous felsic tuff.	F3991	79.5	80.3	0.8	Nil	
			79.6-79.8 - As 78.3-78.6 with trace pyrite.						
			80.0 - 5cm with 5% disseminated pyrite in graphitic bed.						
			80.3-80.8 - Greywacke?? or felsic tuff with trace pyrite and trace sphalerite.	F3992	80.3	80.8	0.5	Nil	
			81.1-81.9 - Contorted argillite and graphitic argillite with 5% carbonate pods/veins and trace pyrite.	F3993	80.8	82.0	1.2	Nil	
			81.9 - 5cm intermediate dyke as 78.3-78.6.						
			82.0-83.4 - Argillite and graphitic argillite with 1% to locally 3% pyrite.	F3994	82.0	83.4	1.4	Nil	
			83.4-83.5 - Felsic tuff - 1% pyrite.	F3995	83.4	84.0	0.6	Nil	
			83.5-86.6 - Mixed argillite, graphitic argillite, siltstone and greywacke (well bedded). Trace to locally 3% pyrite.	F3996	84.0	85.3	1.3	Nil	
				F3997	85.3	86.6	1.3	Nil	
			86.6-86.9 - Graphitic argillite with 5% pyrite as laminae and as fracture fillings.	F3998	86.6	86.9	0.3	Nil	
				F3999	86.9	88.3	1.4	Nil	
				F4000	88.3	89.6	1.3	Nil	
86.9	91.2	MIXED FELSIC TUFFS AND SEDIMENTS	Mixed unit of light grey to yellow, moderately to strongly foliated sericitic felsic tuffs and interbedded/laminated argillites and siltstones. Traces of pyrite are present (minor graphite).	F6301	89.6	90.9	1.3	Nil	
			90.9-91.2 - Contorted with 15% quartz veining and 3% pyrite.	F6302	90.9	91.4	0.5	Nil	
91.2	108.0	FELSIC TO INTERMEDIATE TUFFS	Mixed unit of light to medium grey to pale yellow, felsic to intermediate tuffs and lapilli tuffs with local sericite alteration. Unit is very hard (siliceous). Some interbedded sediments (as above) are						

Depth (m) From	Depth (m) To	Rock Type	Description	Sample No.	From	To	Length (m)	Au ppb	
			present. The unit is well bedded to locally laminated/banded and moderately foliated. Trace pyrite is present. Some greywacke may be present.						
			91.2-92.7 - Moderate to strong sericite alteration and strongly foliated to schistose with 3-5% quartz veinlets and trace pyrite. 91.5-91.8 - 75% quartz veining.	F6303	91.4	91.9	0.5	Nil	
			92.1-92.2 - 3cm quartz vein and 3cm graphitic sediment.	F6304	91.9	92.7	0.8	Nil	
			93.2-93.8 - Greywacke or tuff?	F6305	92.7	93.8	1.1	Nil	
			93.8-94.1 - Argillite + siltstone.						
			94.1-99.2 - Greywacke and altered greywacke or tuff?						
			102.2-103.1 - Intermediate to felsic crystal tuff with 10-15% feldspar crystals 1-3mm. (Could possibly be an intermediate dyke??).						
			105.4-105.7 - Bleached altered and brecciated zone.	F6306	105.4	106.0	0.6	50	
			105.9 - 3cm graphitic bed.						
108.0		END OF HOLE							
			Foliations - 44.5m at 40° to core axis.						
			52.0m at 44° to core axis.						
			64.7m at 39° to core axis.						
			71.8m at 40° to core axis.						
			77.8m at 42° to core axis.						
			84.2m at 45° to core axis.						
			93.8m at 46° to core axis.						
			105.2m at 51° to core axis.						

Alex Christopher

Ministry of Northern Development and Mines
Ontario

1566-1

DOCUMENT No. W 8906.581

42A13SW0003 12 WILHELMINA

900

Mining Act — Report of Work

Name and Address of Recorded Holder	Prospector's Licence No.
Frank Palmy	A50711
P.O. Box 10, 1 First Canadian Place, Toronto, Ontario, M5X 1A2	Telephone No. 416-360-8600

Summary of Distribution of Credits and Work Performance

Mining Division: Porcupine
Township or Area: Wilhelmina Twp
Total Assessment Credits Claimed: 354
Type of Work Performed (Check one only)
- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work
- [ ] Mechanical equipment
- [ ] Power Stripping other than Manual (maximum credit allowed - 100 days per claim)
- [x] Diamond or other Core drilling
- [ ] Core Specimens

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
P	1036233	1	P	1036634	25			
P	1036232	1	P	1036635	20			
P	1036231	1	P	1036636	20			
P	1036230	25	P	1036637	20			
P	1036229	25	P	1036638	20			
P	1036228	27	P	1036639	20			
P	1036227	27	P	1036640	20			
P	1036631	28	P	1036641	20			
P	1036632	27						
P	1036633	27						

Dates when work was performed	Total No. of Days Performed	Total No. of Days Claimed	Total No. of Days to be Claimed at a Future Date
From: Oct. 11/89 To: Oct. 12/89	354	354	

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
P1036233	354												

Required Information eg. type of equipment, Names, Addresses, etc. (See Table on reverse side)
If space below is insufficient, attach schedules with required information and location sketches

Bradley Bros. Ltd.
P.O. Box 485
Timmins, Ontario
P4N 7E7

ASSESSMENT FILES OFFICE
RECEIVED

RECORDED
OCT 30 1989

Certification of Beneficial Interest * (See Note No. 2 on reverse side)

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
	Oct. 27/89	Alex Christopher

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying	Telephone No.	Date	Certified By (Signature)
Alex Christopher, 2189 Algonquin Avenue, North Bay, Ontario, P1B 4Z3	705-474-5500	Oct. 27/89	Alex Christopher

For Office Use Only

Work Assignments	Received Stamp
	RECEIVED OCT. 30 1989

768 (89/06)