DIAMOND DRILLING

TOWNSHIP: CUNNINGHAM TWP.

REPORT NO: # 37

WORK PERFORMED FOR: TECK EXPLORATIONS LTD.

RECORDED HOLDER: SAME AS ABOVE [X]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
961132	1554-7	326.5 FEET	JUNE/90	(1)

NOTES: (1) W 9006.60460, FILED NOVEMBER 22, 1990

TECK EXPLORATIONS LIMITED
DIAMOND DRILL LOG

Hole 1554-7
Sheet 1 of 3

Job 15540 N.T.S. 41 O/10	Objective To Test Conductors #5	Core Location North Bay	Tests
Property Cunningham Township			Dip / Azimuth
Township Cunningham	Drilling Co. Norex	Distance to Water 1300 ft	At Collar -45° 018°
Location: Line 2+00W		Casing Lost Nil	150.0 -44.5° -
Station 2+25N	Commenced June 22, 1990		326.0 -43° -
Elevation Block I	Completed June 24, 1990	Core Size BQ	
Logged A. Christopher	Length 326.5 ft		

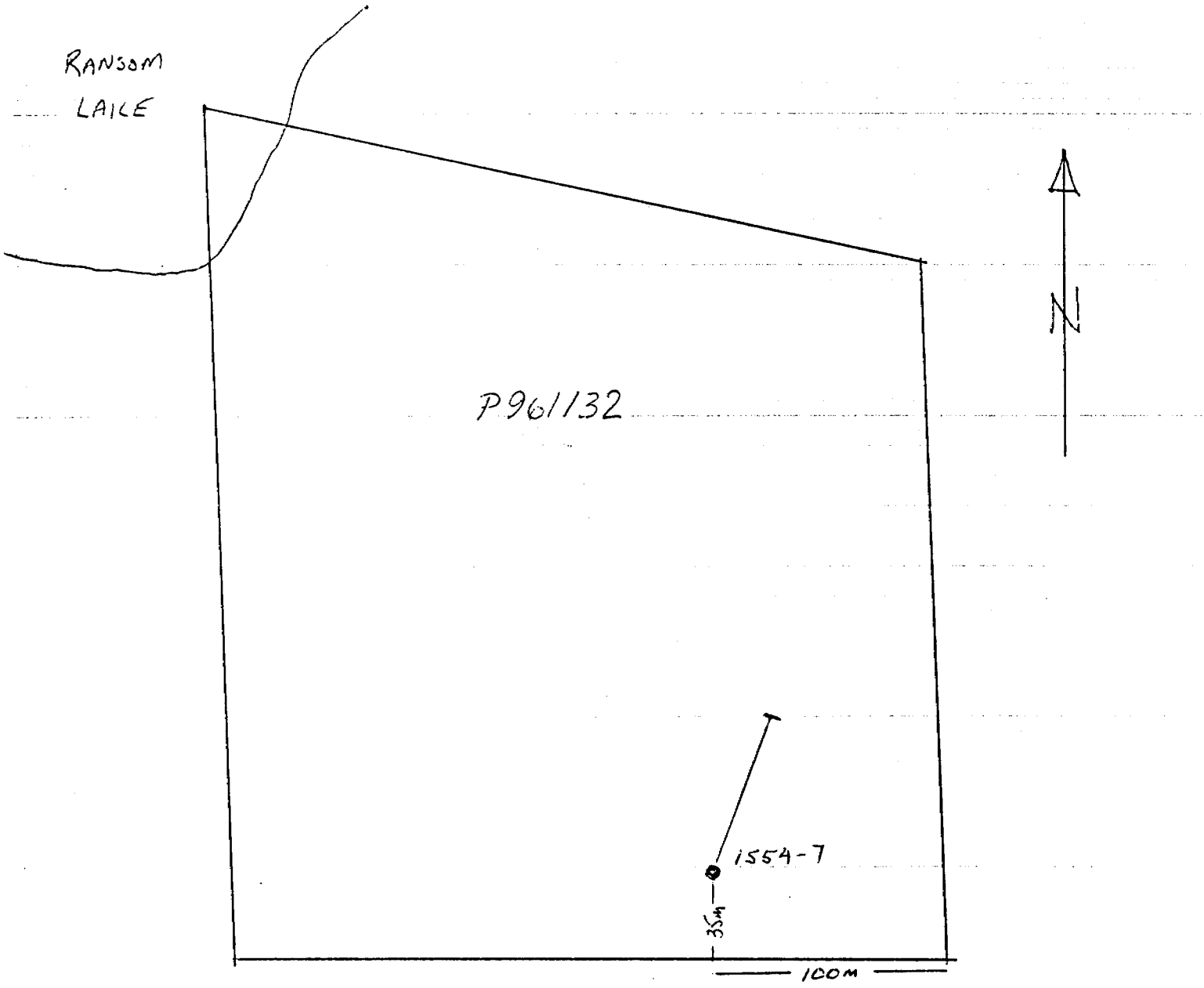
Remarks Conductor explained as massive sulphides at 123.9-140.0.

Depth (ft) From	Depth (ft) To	Rock Type	Description	Sample No.	From	To	Length (ft)	Au ppb	Ag ppm	Cu ppm	Zn ppm
0	10.0	OVERBURDEN	Casing.								
10.0	52.5	SEDIMENTS	Dark grey to grey-green, moderately well foliated/bedded, very hard (siliceous), magnetic to locally sporadically magnetic unit of magnetic siltstones? (lean iron formation) with 5-10% magnetite. (This unit may possibly be dacitic tuffs??). 10.0-35.2 - Relatively homogeneous and laminated. 27.0 - Foliation at 72° to core axis. 35.2-52.5 - Interbedded with non-magnetic siltstones or greywackes. 40.0-41.0 - Brecciated with 10% quartz + carbonate veining. 52.5 - Contact gradational (not sharp).								
52.5	123.9	MAFIC VOLCANICS	Medium green to locally grey-green, weakly to moderately foliated/bedded mafic ash and lapilli tuffs. Unit contains 1-2% irregular quartz ± carbonate veinlets and trace to locally 1% pyrite. 54.1 - 1" with 3-5% pyrite. 55.1-57.2 - Light to medium-grey, intermediate to felsic lapilli tuff. 56.5 - Foliation at 71° to core axis. 57.9-58.5 - Grey-brown, massive, intermediate dyke with 5-8% feldspar phenocrysts and 5% biotite phenocrysts. Upper contact sharp at 54° to core axis. Lower contact is irregular. 59.9-61.0 - As above.								

Depth (ft) From	Depth (ft) To	Rock Type	Description	Sample No.	From	To	Length (ft)	Au ppb	Ag ppm	Cu ppm	Zn ppm
			67.4 - ½" quartz + carbonate vein. 78.0 - ½" quartz + carbonate vein. 78.8-79.9 - 4-6% quartz ± carbonate veinlets and 1-2% pyrite. 80.9 - ½" quartz + carbonate vein. 85.8 - 1" quartz + carbonate vein. 117.0 - Foliation at 75° to core axis.								
123.9	140.0	MASSIVE SULPHIDES AND FELDSPAR PORPHYRY DYKES	Mixed unit of massive to semi-massive sulphides and feldspar porphyry dykes. 123.9-126.9 - 40-45% pyrite, 5-7% pyrrhotite and 50% grey-green siliceous sediments with minor chert and two ¼" graphitic beds. 126.9 - Contact sharp at 86° to core axis.	F7262	123.9	126.9	3.0	Nil	0.1	99	689
			126.9-132.3 - Grey, massive, very hard feldspar porphyry dyke with 5-10% feldspar phenocrysts. Trace pyrrhotite + pyrite.	F7263 F7264	126.9 129.5	129.5 132.3	2.6 2.8	Nil Nil	0.1 0.2	12 11	125 71
			132.3 - Contact sharp at 39° to core axis. 132.3-133.7 - 15-20% pyrrhotite, 4-8% pyrite, 75% siliceous sediment (some chert). Section appears brecciated.	F7265	132.3	133.7	1.4	2	0.1	115	81
			133.7 - Contact sharp at 32° to core axis. 133.7-136.2 - Feldspar porphyry as 126.9-132.3.	F7266	133.7	136.2	2.5	Nil	0.1	7	185
			136.2 - Contact sharp at 55° to core axis. 136.2-140.0 - 40-45% pyrrhotite, 10-15% pyrite, 40-50% siliceous (chert) and chloritic sediment fragments. Section appears brecciated. 140.0 - Contact sharp at 63° to core axis.	F7267	136.2	140.0	3.8	Nil	0.4	107	497
140.0	216.1	SEDIMENTS (INTERMEDIATE TUFFS?)	Moderately to strongly foliated/bedded/laminated siltstones, greywackes and siliceous sediments (possibly tuffs) with colour varying from grey-green to light grey-buff. Some sections are dark green and chloritic. Trace to 1% pyrite + pyrrhotite. 140.0-164.5 - 5-15% pink garnets and generally chloritic.								
			140.0-144.5 - 3-6% pyrrhotite, 1-2% pyrite.	F7268	140.0	144.5	4.5	Nil	0.1	37	124
			144.5-151.5 - 2-3% pyrrhotite, 1% pyrite.	F7269	144.5	148.5	4.0	Nil	0.1	24	163
			151.5-164.5 - 1% pyrite + pyrrhotite.	F7270	148.5	151.9	3.4	3	0.1	23	105
			171.0 - Foliation at 78° to core axis.								

Depth (ft) From	Depth (ft) To	Rock Type	Description	Sample No.	From	To	Length (ft)	Au ppb	Ag ppm	Cu ppm	Zn ppm
			174.7-176.0 - Feldspar porphyry dyke similar to 126.9-132.3.								
			189.3-190.9 - Fine-grained, grey siliceous felsic dyke (or flow?) with a ropy texture. Contacts sharp at 71° to core axis.								
			203.2-204.3 - Quartz vein with trace to 1% pyrite + pyrrhotite.	F7271	203.2	204.3	1.1	Nil	0.1	38	73
			211.0 - Foliation at 70° to core axis.								
			216.1 - Gradational contact.								
216.1	326.5	SEDIMENTS/ INTERMEDIATE TUFFS	Similar to above unit but locally moderate sericite and moderate chlorite alteration are present. Unit is strongly foliated/laminated with minor schistose sections. Trace pyrite is present.								
			221.0-224.0 - Strong sericite alteration and schistose to contorted sections.	F7272	221.0	224.0	3.0	Nil	0.1	35	61
			235.3 - 3/4" quartz vein with 5% chalcopyrite and 5% pyrite at 78° to core axis.	F7273	235.0	236.0	1.0	1091	0.7	863	69
			246.3 - Foliation at 66° to core axis.								
			253.0 - ½" quartz vein with trace chalcopyrite.								
			Below 294.5 unit becomes darker in colour, less foliated and very hard and appears to be a hornfels.								
			300.0-302.0 - Very strong sericite alteration (section is buff-pink in colour).								
326.5		END OF HOLE									

REGISTERED PROFESSIONAL ENGINEER
K. R. THORSEN
PROVINCE OF ONTARIO



REGISTERED PROFESSIONAL ENGINEER
K. R. THORSEN
PROVINCE OF ONTARIO

Scale 1:2500

Ministry of Northern Development and Mines
Ontario

1554 - Block

41010NE0013 37 CUNNINGHAM

900

W9006.60460

DOCUMENT No. W 9006.60460

- Refer to Sections 76 and 77, the Mining Act for assessment work requirements and the reverse side of this form for table of information.

Mining Act — Report of Work

Name and Address of Recorded Holder	Prospector's Licence No.
Teck Explorations Limited	A32498
P.O. Box 170, Suite 7000, 1 First Canadian Place, Toronto	Telephone No. 416-862-7102

Summary of Distribution of Credits and Work Performance

Mining Division	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.
Porcupine	P	961130	16	P	1013152	16			
Township or Area: Cunningham Twp.	P	961131	16	P	1013168	60			
Total Assessment Credits Claimed: 326.5	P	961132	18.5						
Type of Work Performed (Check one only)	P	961133	16						
☐ Manual Work	P	1013133 C	60						
☐ Shaft Sinking Drifting or other Lateral Work	P	1013147 C	60						
☐ Mechanical equipment	P	1013148	16						
☐ Power Stripping other than Manual (maximum credit allowed - 100 days per claim)	P	1013149	16						
☒ Diamond or other Core drilling	P	1013150	16						
☐ Core Specimens	P	1013151	16						

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: June 22/90 To: June 24/90	326.5	326.5	- o -

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
	961132	326.5										
	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

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

Norex Drilling, Timmins, Ontario

June 22, 1990 to June 24, 1990

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)
	July 26, 1990	

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.

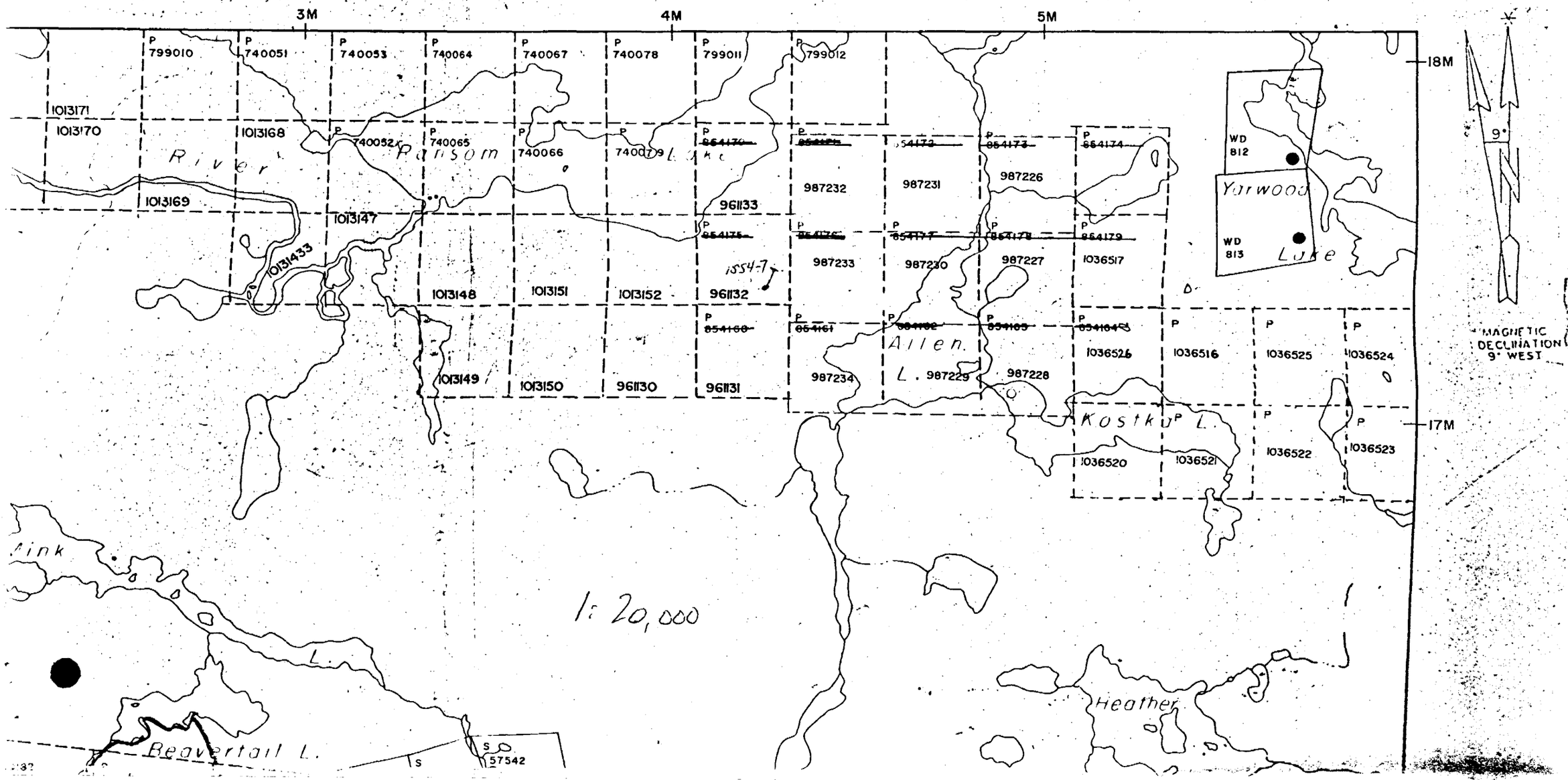
Name and Address of Person Certifying			
K. Thorsen, 2189 Algonquin Avenue, North Bay, Ontario P1B 4Z3			
	Telephone No. 705-474-5500	Date July 26, 1990	Certified By (Signature)

For Office Use Only

Work Assignments	Received Stamp
	PORCUPINE MINING DIVISION RECEIVED JUL 31 1990
	RECORDED JUL 31 1990

768 (89/06)

SWAYZE TWP.


3M
4M
5M
18M
17M
River
Parsom
Lake
Yarwood
Lake
WD 812
WD 813
Allen
L.
Kostka L.
Heather
Beavertail L.
Mink
L.
1013171
1013170
1013168
1013169
1013147
1013433
1013148
1013151
1013152
1013149
1013150
96130
96131
96132
96133
987232
987231
987226
987233
987230
987227
987234
987229
987228
1036517
1036526
1036516
1036525
1036524
1036520
1036521
1036522
1036523
1554-T
1: 20,000
MAGNETIC DECLINATION 9° WEST
9°
S
57542

SWAYZE TWP.

CUNNINGHAM TWP.