



42E13SE0073 63.5866 RICKABY

010

EXPANSION LAKE PROJECT

Rickaby (G161) & Leduc (G169) twps.

Thunder Bay Mining Division

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18 claims

TB 907236 to 907253

LOCATION & ACCESS

The claim group is located along the west portion of Expansion Lake, Northeast of Beardmore, Ontario. Twelve claims are in the extreme southwest corner of Rickaby Township, with the remaining six claims adjoining them in the northwest corner of Leduc Township.

Access to the group is by the "Kinghorn Road", an all-weather gravel road that leads north and west from Highway 11 approximately half way between Beardmore and Geraldton. An access road leading South and Southwest from the main road at approximately the 35km mark, skirts the northern boundary of the group.

Mona Holt  
OP90-304

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## S U M M A R Y

The 1990 exploration program on the 18 claim group at Expansion Lake was started by a prospecting program conducted by J. A. Koski, an experienced prospector familiar with the Beardmore area. Mr. Koski's prospecting report is attached.

Based on the successful discovery of many very old trenches just north of Expansion Lake on claim TB907242, we decided to proceed with a stripping program in this location. Samples taken from the old trenches assayed very low with the exception of one or two. Trenching along strike to the west revealed the quartz veining to continue for approximately 100' then dipping into very heavy overburden. The eastern extension went into heavy overburden immediately. Another vein system close to the lake was uncovered for approximately 50' along strike. Massive stripping was done north & south in the area of old trenches in an attempt to uncover parallel systems. These trenches returned very low values and were also very narrow. Extensive stripping was done across the formation in large areas north and south. In various locations bedrock was encountered. No significant veins or zones were located, although a few very narrow stringers were observed. Overburden was a problem in some areas of Airborne conductivity.

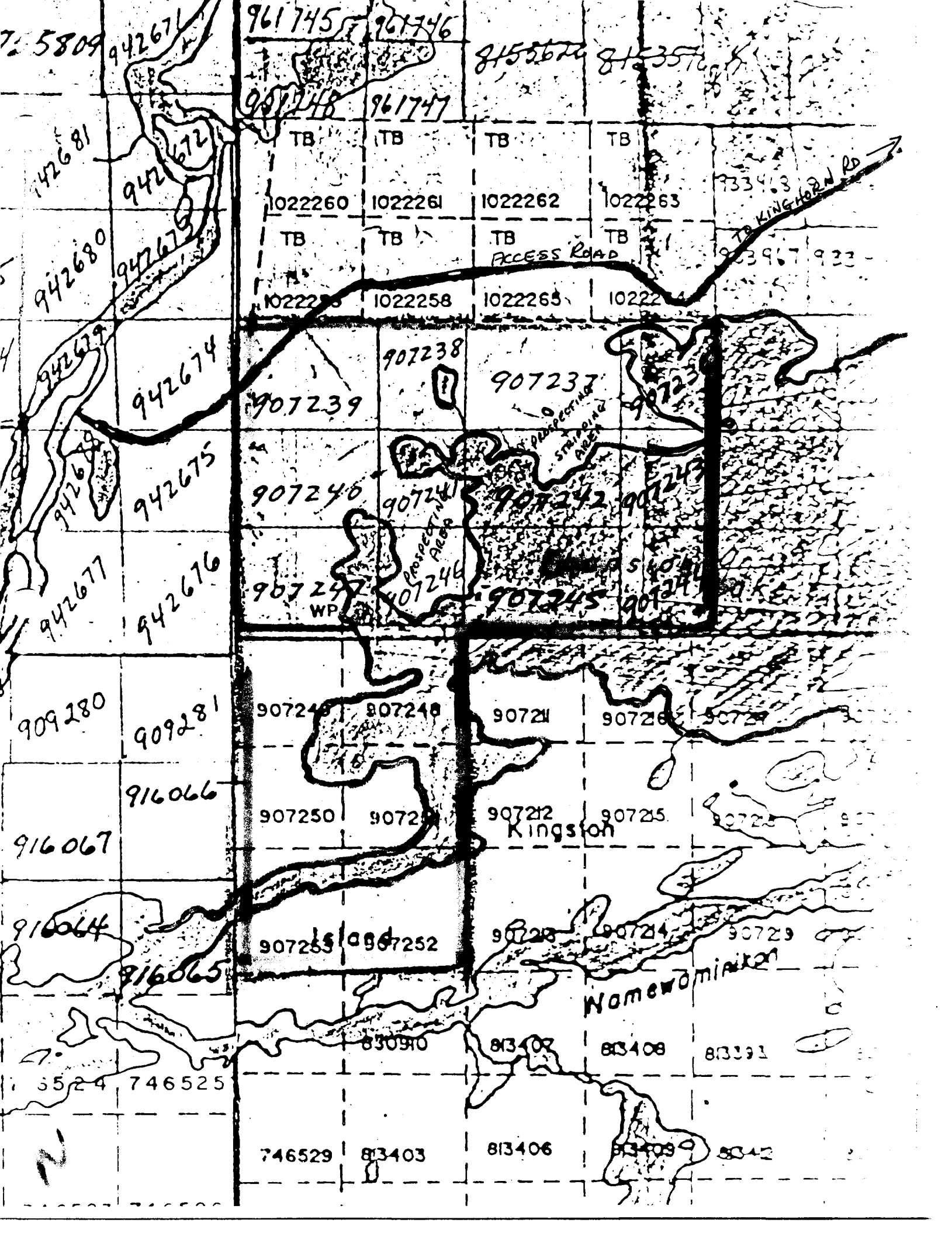
## R E S U L T S   &   C O N C L U S I O N S

The results of this program were somewhat discouraging in that the veins uncovered were fairly narrow and assay results were very low. Although the old timers did considerable trenching by hand, the grade of this vein type occurrence is not high enough to interest a mining company in pursuing an exploration program. Also, stripping in the areas of conductivity were discouraging because of the heavy overburden in the target areas. These targets now can only be tested by diamond drilling.

## R E C O M M E N D A T I O N S

I feel that no more mechanical exploration is warranted in the northern portion of the claim group. Prospecting and follow up stripping and trenching should be done in the southwestern area closer to the main Paint Lake Fault. There are considerable Airborne conductors in this area that were not checked because of the time factor.

*Mona Holt*  
Mona Holt



961745 961746  
961748 961747

8155672 8153572

TB TB TB TB  
1022260 1022261 1022262 1022263  
TB TB TB TB  
1022264 1022258 1022265 1022264

733463  
KINGHORN RD  
933967 933

907238  
907239 907237  
907240 907241 907242 907243  
907244 907245 907246  
PROSPECTING AREAS  
PROSPECTING AREAS  
PROSPECTING AREAS  
WP

907247 907248 907249 907250 907251  
907252 907253 907254 907255 907256  
Kingson

907257 907258 907259  
830910 83407 83408 83391  
83409 8342  
83403 83406 83409 8342

5809 942671  
942681 942672  
942680 942673  
942674  
942675  
942676  
942677  
909280 909281  
916066  
916067  
916064  
916065  
746524 746525  
746529

Namewomina

# EXPANSION LAKE

July 1 Day # 1 Prospecting on claim #907246. & # 907241 along the shore of small lake on the south side. Made traverse line south from lake approximately 1400' south to Expansion Lake. Not too much outcrop. Some outcrop consisting of Mafic Volcanics with some very small stingers of Quartz. Nothing of any interest. Moved over to the West and proceeded north. Moved over 200' ft. Going North it is almost the same not much outcrop. Outcrop consists of Mafic Volcanics with small quartz stingers. There are some granite intrusions on the north close to the lake. Stingers  $\frac{1}{2}$ " to about 2"

July 2 Day # 2. Prospecting on claim #907241 & 907246. Proceed north from Expansion Lake 200' west of yesterday last traverse. Nothing too much to see hardly any outcrop. Overburden is about 4' to 6' ft deep. So hard to find any bedrock. Came to lake. Shore of lake back south consists of black spruce swamp & cedar for about 200 ft. Moved down the shore about 250 ft. and proceeded south. Not too much outcrop but near claim line between the two claim found some outcrop consisting of Mafic Volcanics with Quartz stingers about  $\frac{1}{2}$ " to  $3\frac{1}{2}$ ". Then south of claim line about 200' found a rusty zone believe it is iron formation with quartz eyes. Ifels could not determine how wide it is. Dyo down into a black spruce swamp.

Daily Reports  
J. Koski

July 3 DAY # 3 Prospecting on Claims  
#907241 & 907246. Proceeded North from  
Expansion Lake. Out crop on the shore of  
Expansion Lake. Mafic Volcanics about 175'  
south of claim line between 907241 & 907246.  
came out of swamp onto iron formation  
with small quartz veins fairly heavy  
sulfides. Took 3 samples. Dug small trench  
six feet long two feet wide 1 1/2 ft deep.  
Trench is located 225 ft east of post # 4  
of and south 125 ft. on claim # 907246.  
Could not dig any farther south because of  
swamp. Then continued north to small lake.  
no outcrop to the north.

July 4 DAY # 4 Moved my prospecting  
over to claims #907242. Began my  
prospecting 200 ft west of claims line  
on shore of Expansion Lake. Proceeded North.  
No ~~Out~~ Outcrops visible. Went north to claim  
line on the north. Then moved west another  
two hundred ft. and proceeded south. No  
visible outcrop. Off to my right I notice  
outcrop about 100' to 125'. Then proceeded to  
lake. Moved down the lake 125 ft proceeded  
north. Lakeshore mafic volcanics with small  
stringers of quartz. Then about 200' north of  
lake located old trench about 125' long  
4' wide and deep as 4 ft. all grown in  
with trees and brush. Proceed North to  
claim line moved over 100' and proceeded  
south to lake. Located small trench about  
2' wide by 8 ft long and hole blasted down 3 ft.  
~~Marked location~~ proceeded Quartz vein in.  
Daily Reports  
J. Kosci

centre about 16" wide. Then proceeded to the lake & went home.

July 7 DAY #5 Prospecting on claim # 907242. Moved over from yesterday's last traverse. Proceeded North from Expansion Lake. Shoreline Mafic Volcanics 75' north of shore. located small trench numbered Trench #1 Trench follows quartz vein about 8' long 4' wide 1 1/2' deep. located another trench 20' north of Trench #1 Numbered Trench #2. Trench is 4' wide on west end narrowing down to two ft. at 7 ft. going east. widens to 5' then narrowing to 2 ft on the east. Depth is about 6'. located another trench. Numbered Trench #3. 12' long 3' wide 2' deep. Exploration trench. running north + south. Description of trenches carbonitized, silicified multiple quartz stringers in Mafic Volcanics. Very well to Heavy mineralized Quartz veins with what look like Ankerite Quartz veins in trench #1 + 2 is 2 1/2' wide. The zone looks to be at least 15' wide. Proceeded North. 140' located another Trench Numbered #4 same trench as found the day before. Started looking around the west and located 6 more trenches. Quartz veins in trenches are 3 1/2 ft to 4 ft wide. Then it splits going in westerly direction. Numbered Pits in order from east to west.

Pit #4 N+5 2' wide 6' long 3' deep.  
Pit #5 ETW 4 1/2' wide 8' long 5 1/2' deep.  
Pit #6 ETW 3' wide 6' long 2' deep.  
Pit #7 ETW 5' wide 12' long 2' deep.  
Pit #8 ETW 5 1/2' wide 8' long 5 1/2' deep.  
Pit #9 N+5 3' wide 11' long 2' deep.

Daily Report  
J. Koshi

Distance from Pit #4 to Pit #5 is 11 ft.  
Distance from Pit #5 to Pit #6 is 22 ft.  
Distance from Pit #6 to Pit #7 is 4 ft.  
Distance from Pit #7 to Pit #8 is 10 ft.  
Distance from Pit #8 to Pit #9 is 5 1/2 ft.

~~Proceed at home~~

There was light to medium sulfides in quartz vein with some very sparse chlo-pyrites here and there. Nothing spectacular.

Days to come will need tractor for stripping.  
Took 4 samples

July 16 DAY #6 Ribboning in stripping area and locating access route for machine.

July 18 DAY #7 SAMPLING PITS AND TRENCHES TOTAL # OF SAMPLES 3.

Aug 23 DAY #8 Chaining in stripping and trenches to size and to posts.

Daily Reports  
J. Koshi.



PROSPECTING

DAY 1 TRAVERSES

LINE 1 + 2 AV

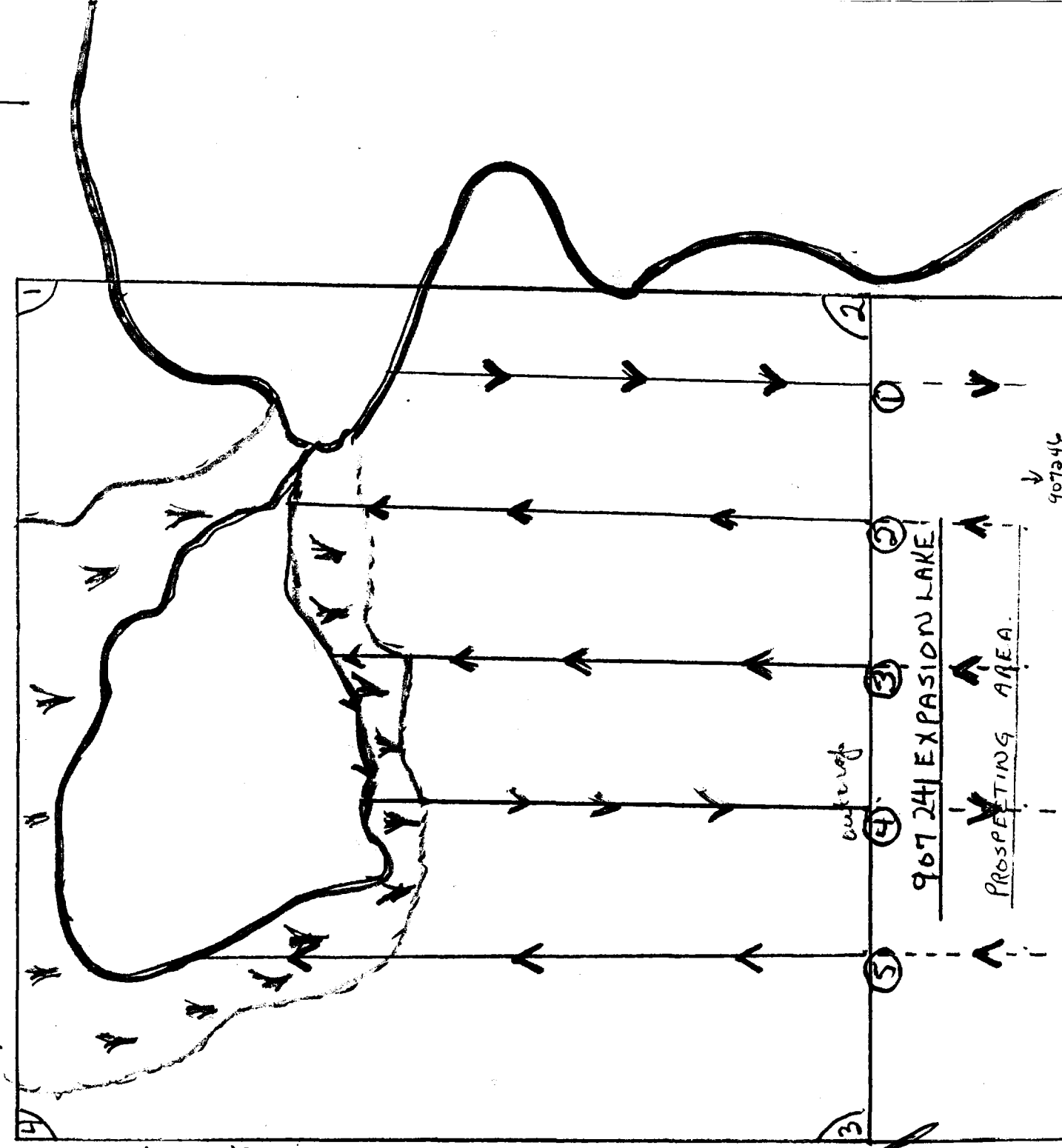
DAY 2 TRAVERSES

LINE 3 + 4 VA

DAY 3 TRAVERSES

LINE 5 A

SWAMP V



90724

90724 EXPANSION LAKE

PROSPECTING AREA

cut-off

1

2

3

4

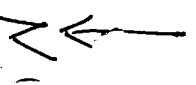
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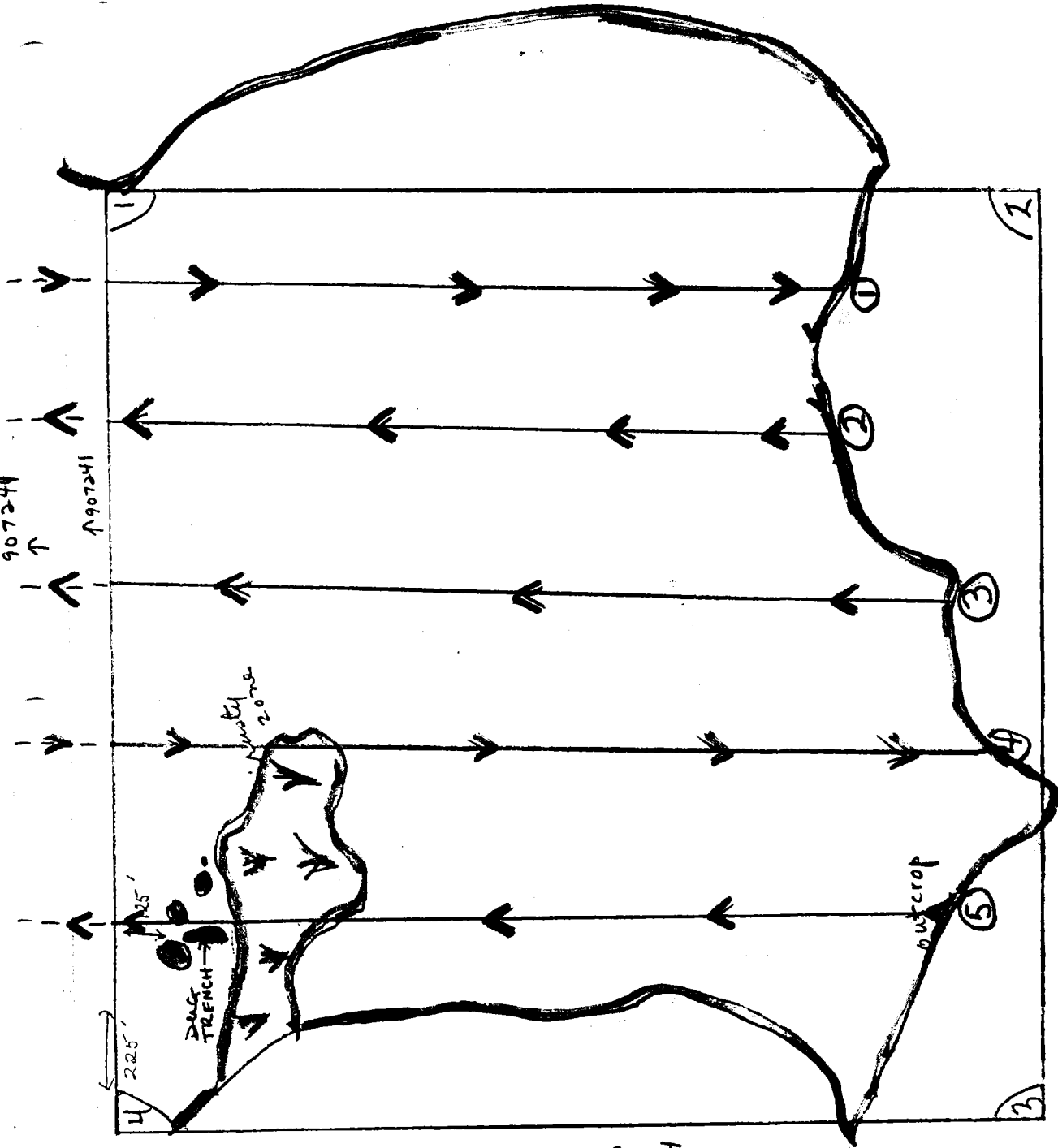
3

1

2

4





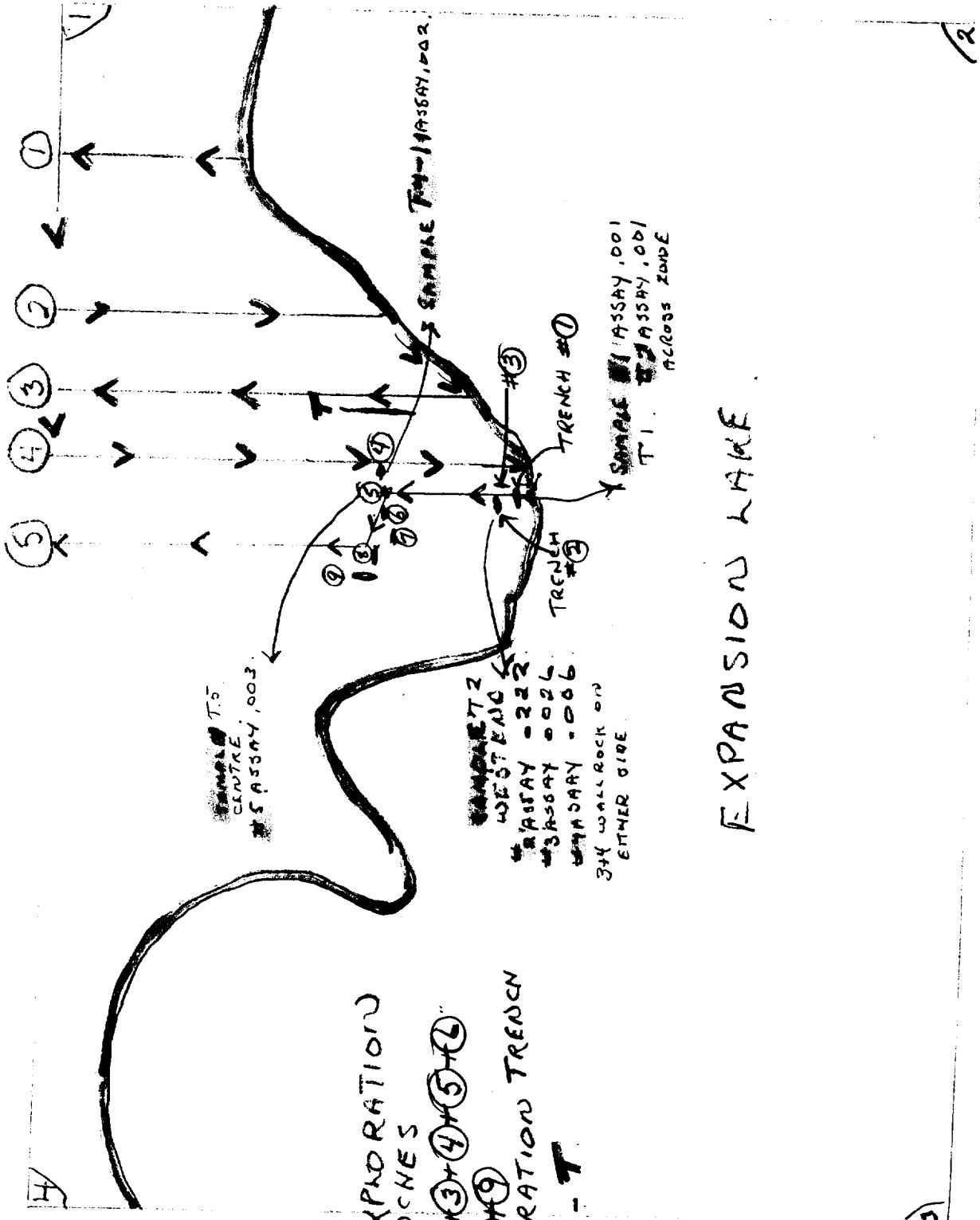
907246 EXPANSION LAKE.

PROSPECTING AREA

PROSPECTING.  
 DAY 1 TRAVERSES  
 LINE 1 + 2 ✓  
 DAY 2 TRAVERSES  
 LINE 3 + 4 ✓  
 DAY 3 TRAVERSES  
 LINE 5 ✓

SWAMP ✓  
 BLACK SPRUCE.  
 SAMPLE #1 ASSAY 1016  
 #2 ASSAY TR.  
 #3 ASSAY 1004



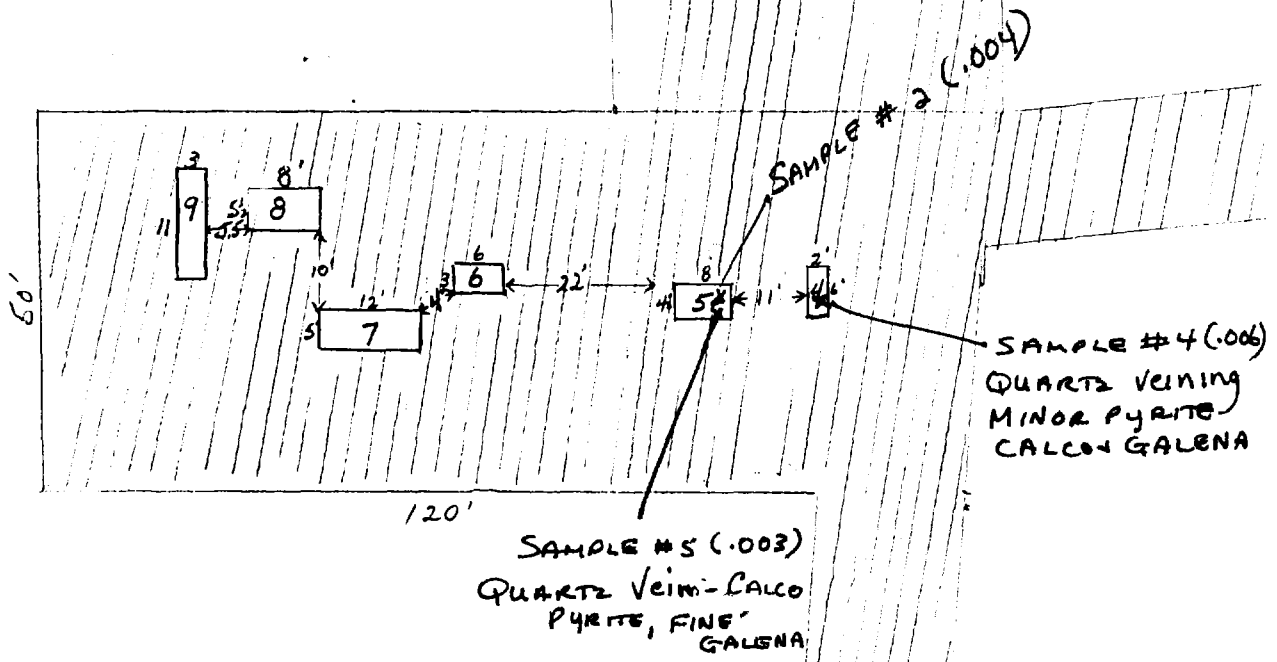


EXPANSION LAKE

OLD EXPLORATION TRENCHES  
 # ①+②+③+④+⑤+⑥  
 EXPLORATION TRENCH  
 NTS - T

PROSPECTING  
 DAY 4 TRAVERSES VA  
 1+2+3+4  
 DAY 5 TRADE RSES  
 N 5 A

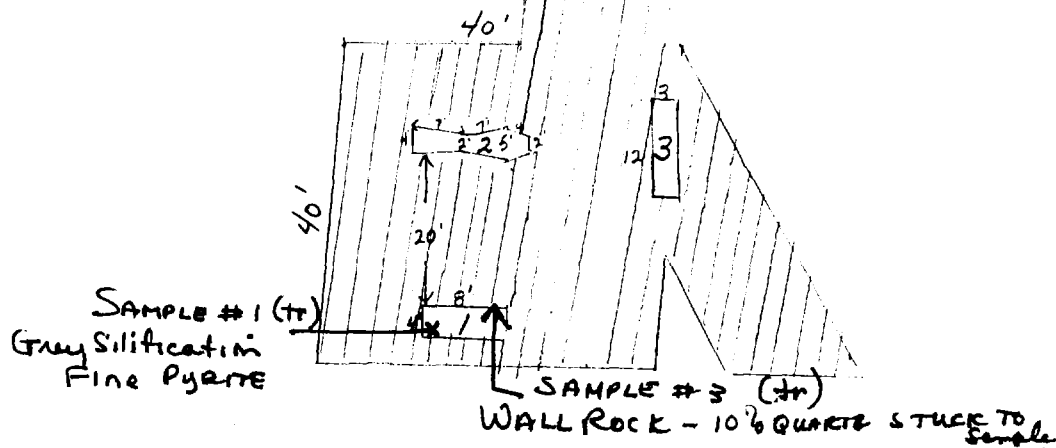
907242 EXPANSION LAKE  
 PROSPECTING AREA

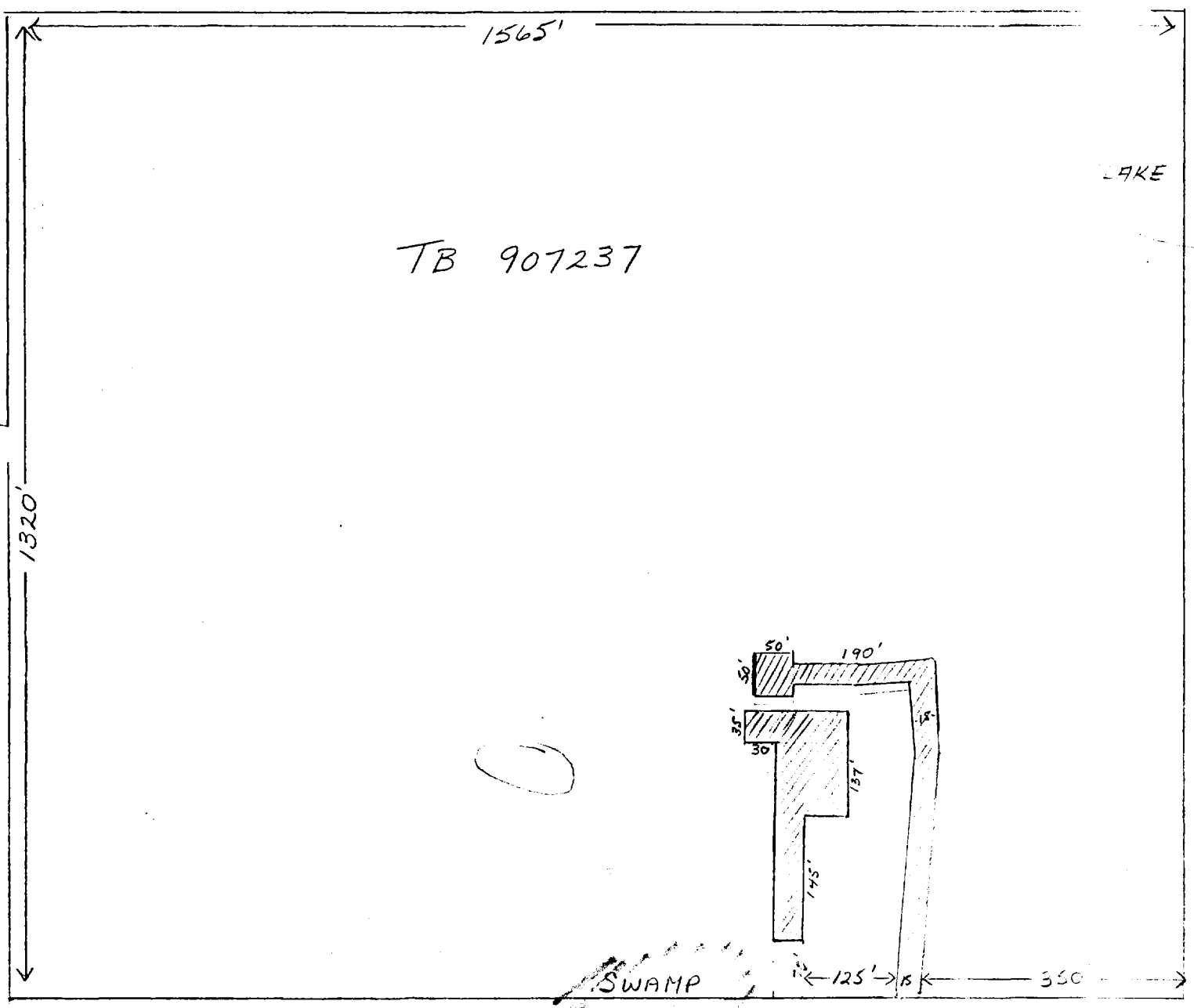
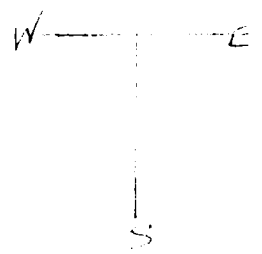


EXPANSION LAKE PROJECT  
OLD TRENCHES #1-9

QUARTZ VEINING ZONE  
SAMPLES TAKE JULY 25

SCALE 1" = 25'



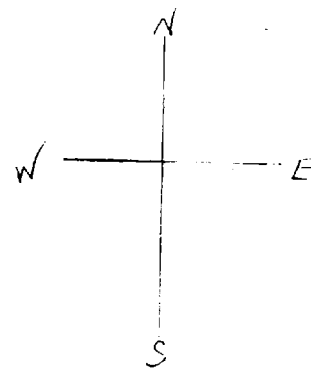


SCALE  
1" = 200'

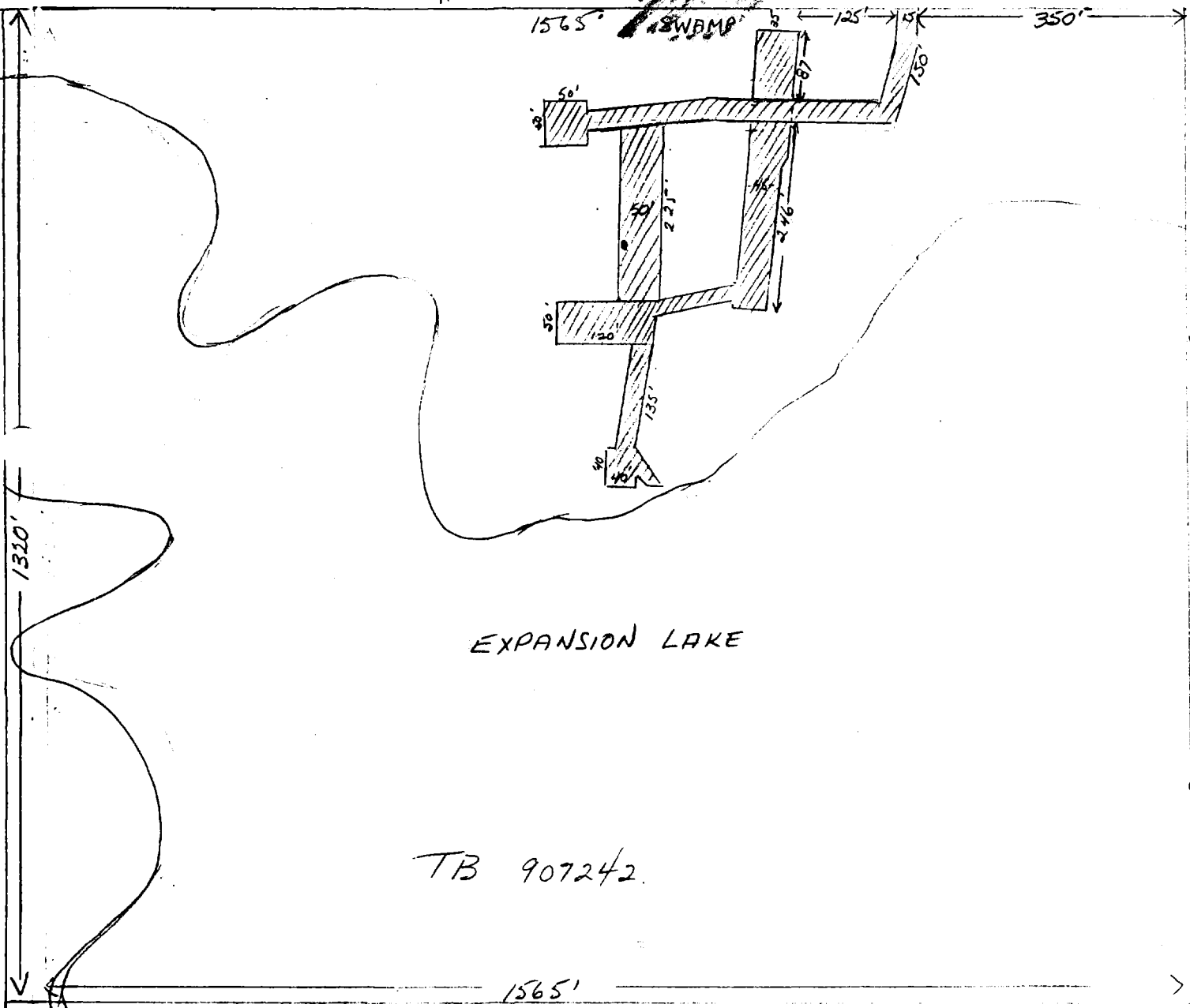
907242

STRIPPING AREA

N



907237  
↑



EXPANSION LAKE

TB 907242

SCALE  
= 200'

STRIPPING AREA

2



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 06799

No. 5287

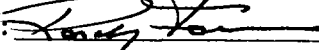
CLIENT: Mr. Nolan Cox

DATE: July 9, 1990

SAMPLE No.	Au oz/Ton
#1	0.016 - dug pit day 3 cl 907246 (zone 3)
#2	0.222
#3	0.026
#4	0.006
#5	0.003

} old trenches 907242

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 06972

No. 5425

CLIENT: EXPANSION LAKE  
Beardmore, Ontario

DATE: July 25, 1990

SAMPLE No.	Au oz/Ton
Trench #1, Sample #1	0.001
Trench #1, Sample #2	0.001
Trench #4, Sample #1	0.002

*Old trenches 907242*

Samples, Pulps and rejects discarded after two months.

Assayer: *Randy Jones*

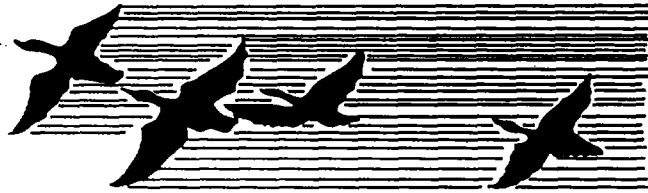


row



42E13SE0073 63.5866 RICKABY

900



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 07017

No. 5440

CLIENT: EXPANSION LAKE  
Mona Holt

DATE: July 27, 1990

SAMPLE No.	Au oz/Ton	
#1	tr	} old benches 907242
#2	0.004	
#3	tr	
#4	0.006	
#5	0.003	
zone 3, trench 1, sample 1	tr	} dug pit 907246
zone 3, 50' east of trench 1, sample 1	0.004	

Samples, Pulps and rejects discarded after two months.

Assayer: Mohal

**Mining Act**

**Report of Work**

Name and Address of Recorded Holder <b>MON HOLT MELODY MACSEMCHUK + NOLAN COX</b> <small>(STATE OF DAVID THORSTEINSON)</small>	Prospector's Licence No. <b>E32086, E32136, E25172</b>
Box 223 BEARDMORE CNT POTIGO	Telephone No. <b>807-875-2434</b>

**Summary of Distribution of Credits and Work Performance**

Mining Division	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
<b>THUNDER BAY</b>												
Township or Area <b>RICKBAY + LEDUC</b>	<b>TP</b>	<b>907236</b>	<b>40</b>		<b>907246</b>	<b>40</b>						
Total Assessment Credits Claimed <b>720</b>		<b>907237</b>	<b>40</b>		<b>907247</b>	<b>40</b>						
Type of Work Performed (Check one only)		<b>907238</b>	<b>40</b>		<b>907248</b>	<b>40</b>						
	<input type="checkbox"/> Manual Work	<b>907239</b>	<b>40</b>		<b>907249</b>	<b>40</b>						
	<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work	<b>907240</b>	<b>40</b>		<b>907250</b>	<b>40</b>						
	<input type="checkbox"/> Mechanical equipment	<b>907241</b>	<b>40</b>		<b>907251</b>	<b>40</b>						
	<input checked="" type="checkbox"/> Power Stripping other than Manual (maximum credit allowed - 100 days per claim)	<b>907242</b>	<b>40</b>		<b>907252</b>	<b>40</b>						
	<input type="checkbox"/> Diamond or other Core drilling	<b>907243</b>	<b>40</b>		<b>907253</b>	<b>40</b>						
	<input type="checkbox"/> Core Specimens	<b>907244</b>	<b>40</b>									
	<b>907245</b>	<b>40</b>										

Dates when work was performed From: <b>JUNY 24/90</b> To: <b>AUG 11/90</b>	Total No. of Days Performed <b>720</b>	Total No. of Days Claimed <b>720</b>	Total No. of Days to be Claimed at a Future Date
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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 <b>907237</b>	No. of Days <b>300</b>	Mining Claim <b>907242</b>	No. of Days <b>420</b>	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
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

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

**NELCO EQUIPMENT.**  
**257 MAIN ST.**  
**BEARDMORE ONT POTIGO**

**D6 CATERPILLAR DOZER**  
**OPERATOR - JOHN KOSKI**  
**96 hrs. power stripping @ \$75.00      \$7,200.00**

**ATTACHED:**  
**RECEIPTED TIME SHEET**  
**LOCATION ~~MAPS~~ SKETCHES - 2 sets of 2**  
**AREA LOCATION MAP**

**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 <b>Dec 11/90</b>	Recorded Holder or Agent (Signature) <b>Nolan Cox</b>
--	--------------------------	--

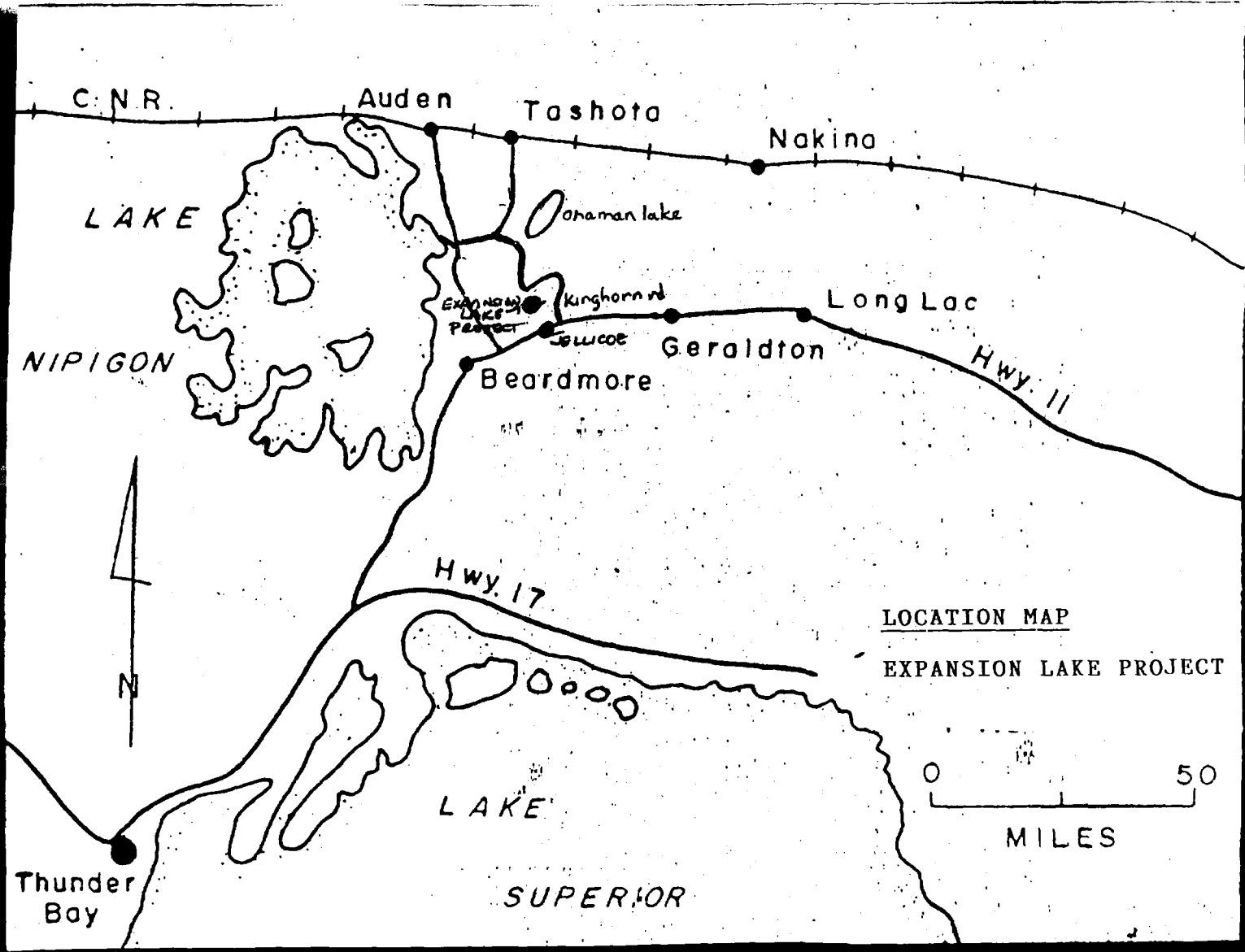
**ification Verifying Report of Work**

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.

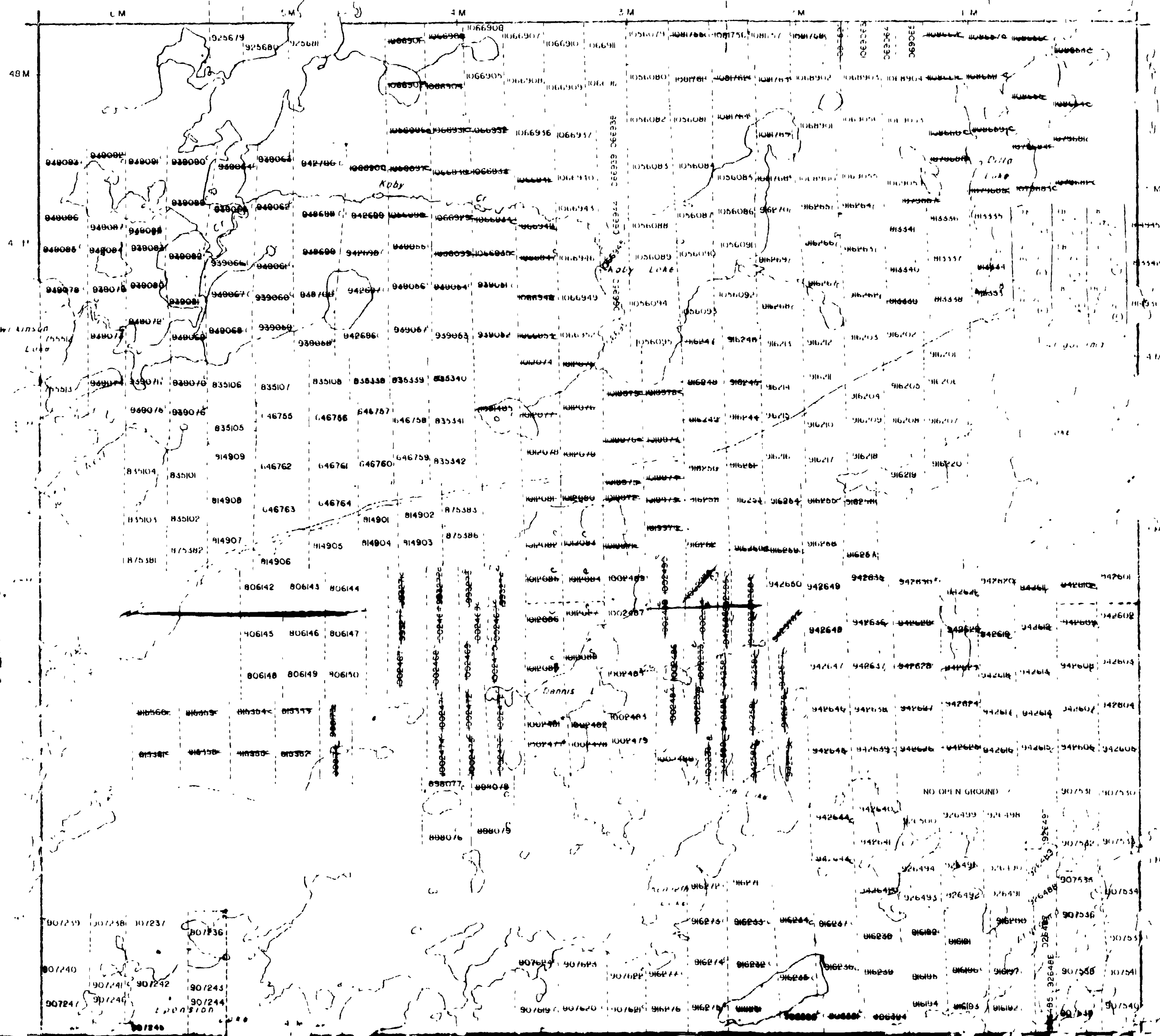
Name and Address of Person Certifying <b>NOLAN COX, Box 207, BEARDMORE, ONT, POTIGO.</b>		
Telephone No. <b>807-875-2647</b>	Date <b>Dec 11/90</b>	Certified By (Signature) <b>Nolan Cox</b>

MONA HOLT - OP90-304

EXPANSION LAKE PROJECT



LOCATION MAP  
EXPANSION LAKE PROJECT

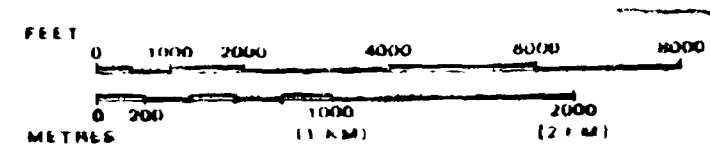


THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND INFRASTRUCTURE FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN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

LEGEND

- PATENTED LAND
- CROWN LAND SALE LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

SCALE: 1 INCH = 40 CHAINS



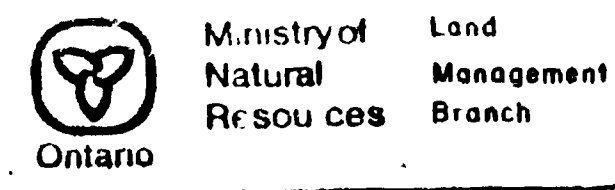
Info Service Dec 6/1981

RICKABY

NIPIGON

THUNDER BAY

THUNDER BAY



Date: JANUARY 29, 1981  
 Number: **G-161**

(1) Part 13 of the Mining Act (R.S.O. 1980, c. 289) applies.  
 (2) Part 4 of the Mining Act (R.S.O. 1980, c. 289) applies.  
 (3) Column 13, Part 13 of the Mining Act (R.S.O. 1980, c. 289) applies.  
 (4) Part 13 of the Mining Act (R.S.O. 1980, c. 289) applies.

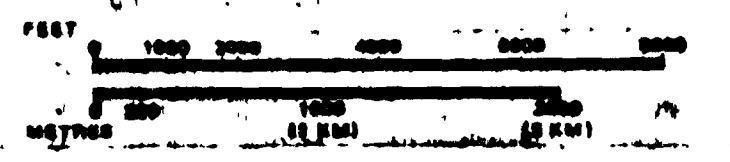
LEGEND

- PATENT, SURFACE & MINING RIGHTS
- SURFACE RIGHTS ONLY
- MINING RIGHTS ONLY
- LEASE, SURFACE & MINING RIGHTS
- SURFACE RIGHTS ONLY
- MINING RIGHTS ONLY
- LICENSE OF OCCUPATION
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

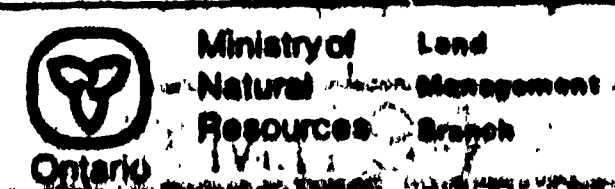
Legault Twp. G-170

63.5866

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP  
**LEDUC**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**NIPIGON**  
 MINING DIVISION  
**THUNDER BAY**  
 LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**



Date: FEBRUARY 1981  
 Number: **G-169**



Clist Lake Area G-24

