# MAR 19690002: NORTHEASTERN ALBERTA

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19690002

Incomplete 2nd copy J. Sciama 5- April-06 ECONOMIC MINERALS FILE REPORT No. U-AF-002(3)

# MCINTYRE PORCUPINE MINES LIMITED <u>NEW SENATOR-ROUYN OPTION</u> <u>N. E. ALBERTA</u> <u>NAT. TOP. REF.</u> <u>74-M-9, 74-M-16.</u>

February 1969

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W.H. Thorpe

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LIST OF MAPS

Map No. Property Location Scale: 1" = 25 miles Scale: 1" = 1/2 " Property Geological Plan Total Radioactivity Isorad Map Scale: 1" = 1/2 " Airborne Scintillometer Survey Scale: 1" = 1/2 " Areas of main Interest Scale: 1" = 2 11 Reconnaissance Survey and Drill Plan, Cherry Lake Scale: 1" = 200 feet Ground Scintillometer Survey, Cherry Lake Scale: 1" = 200 feet Ground Scintillometer Survey, Small Lake Scale: 1" = 200 feet Reconnaissance Survey and Drill Plan, Small Lake Scale: 1" = 200 feet Reconnaissance Survey and Drill Plan, Spider Lake Scale: 1" = 100 feet Reconnaissance Survey, Andrew Lake Arm Scale: 1" = 1320 ft. Reconnaissance Survey and Drill Plan, Holmes Lake Scale: 1" = 200 feet Vertical sections showing Diamond Drill Holes.

No. 68-1 to 68-14 inclusive and 69-1 to 69-3 inclusive.

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#### MCINTYRE PORCUPINE MINES LIMITED

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NEW SENATOR-ROUYN OPTION

NAT. TOP. REF.

74-M-9, 74-M-16.

#### Introduction

In 1967, as a result of increasing economic interest in uranium, Astrabrun Mines Limited obtained exploration permits Numbers 6 and 7 from the Alberta Government, which covered two adjoining blocks of ground in northeastern Alberta. Transfers were later made out to New Senator-Rouyn Limited under an agreement with Astrabrun.

On May 2nd, 1967, McIntyre Porcupine Mines Limited agreed to carry out certain exploration under an arrangement with New Senator-Rouyn.

#### Summary

All known uranium-bearing areas on the Concession are closely associated with pegmatite or granite intrusions and are very erratic in extent and low in grade. Results of trenching and diamond drilling were mainly negative and the few samples of ore grade had no continuity. Some of the radioactive zones contained traces of pyrite, pyrrhotite, molybdenite and chalcopyrite, but where investigated, these were not of economic importance.

#### Location (Map No. 1)

The Permits totalling approximately 80 square miles are situated in the north-eastern part of Alberta, near the Saskatchewan border, approximately 55 miles west of Uranium City and about 40 miles north of Lake Athabaska. The approximate centre is located at 59° 50' north latitude and 110° 13' west longitude.

#### Geology (Map No. 2)

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The geology of the region is available from reports of the Research Council of Alberta by J. D. Godfrey.

#### Exploration 1967

During the field season of 1967, a widespread reconnaissance system of prospecting was carried out. This work indicated several areas of radioactivity around the north end of Cherry Lake as follows:

#### 1. North Shore of Cherry Lake

A small zone of high radioactivity at the water's edge on the north shore of Cherry Lake was blasted and sampled. The best assay result was  $0.79\% U_3 O_8 \text{ across } 4.0$  feet in granite gneiss.

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#### II. Swampy Area, 800 feet N. E. of Cherry Lake

Intense radioactivity was discovered in swamp muck about 800 feet northeast of the north shore of Cherry Lake. Samples assayed up to 1.76% U<sub>3</sub>O<sub>8</sub>.

#### III. Pegmatite Zones, 2000 feet North of Cherry Lake

Trenching on low radioactivity gave values up to 0.10% U 308 in pegmatite.

#### IV. Brecciated Pegmatite, 400 feet E. of N. Shore, Cherry Lake

Low intensity radioactivity in hematitic, brecciated pegmatite was tested by trenching and sampling. The best result was 0.03% U  $_{3}O_{8}$  across 5.0 feet.

#### Exploration 1968

It was decided to explore the preceding favourable areas by diamond drilling and this work was carried out in February and March, without obtaining anything of economic interest. A total of 1,886 feet was drilled as follows:

Hole No.	Length (Ft.)	Purpose and Results
68, - 1	447	To check extension of 0.79%. U <sub>3</sub> O <sub>8</sub> across 4.0 feet in trench. Negative
68 - 2	163	Same purpose as 68-1 but drilled in different direction. Negative

#### Exploration 1968 cont'd.

Hol	e No	<u>.</u>	Length (Ft.)	Purpose and Results
68	-	3	457	To check below high values in swamp muck. Negative
68	-	4	460	To check below weak radio - activity in trench. Negative
68	-	5	163	To check preceding trench on strike. Negative
68	-	6	196	To check below weak radio - activity in trench N. E. of Cherry Lake. Negative

3

#### Helicopter Scintillometer Survey (Maps No. 3 - 4)

During early June, a helicopter-borne Scintillometer survey was carried out by Trigg, Woollett and Associates over the whole Concession. A total of 503 line miles were flown in an east-west direction with flight lines at 1/4 mile spacings at an elevation of 100 feet above ground level. A total of 44 radioactive locations were indicated for ground follow-up. Most of these were shown as occurring north and northwest of Cherry Lake.

All anomalies were checked by ground work during the summer but most of them were found to be of no further interest. Trenching and diamond drilling were carried out in the most significant areas.

#### Field Crews

Three field parties were used during the summer of 1968 and camps were set up on most of the major lakes. A total of one field geologist, three prospectors and four students, plus one cook at base camp were employed.

#### Linecutting

Approximately 20 miles of linecutting were completed mainly in the Cherry Lake region. In addition local lines were cut where required.

#### Rock Trenching

In addition to the removal of overburden, approximately 700 feet of rock trenching was completed with an average width of 5.0 feet and an average depth of 3.0 feet. Two hundred and forty-nine samples were taken for assay from surface outcrops and trenches.

#### Twin Lakes Area (Maps No. 6-7)

Two trenches were blasted in local radioactivity on the south shore of South Twin Lake during the prospecting activity of 1967. Values up to  $0.14\% U_{3}O_{8}$  were obtained but generally the values were shown to be erratic and much below ore grade.

An extensive grid system was cut and a ground scintillometer survey carried out during the 1968 field season. A zone of radioactivity in a pegmatite-intruded quartz-feldspar-biotite gneiss was outlined having a strike length of approximately one-half mile.

As indicated on map No. 6 numerous trenches were blasted into the spots of highest radioactivity. The best results were obtained in trench No. 2 which indicated a width of 43.0 feet assaying 0.016% U 3 O8. Total length of this trench was 103 feet with a maximum vertical depth of 5.0 feet.

Four diamond drill holes were put down below the most radioactive sections without intersecting anything of economic interest as follows:

Hole No.	Length (Ft.)	Purpose and Results
68 - 7	526 ·····	To check below trench No. 1, Negative .
68 - 8	525	To check below trench No. 2, . Negative.
68 - 9	325	To check below trench No. 3, Best, intersection 0.08% U <sub>3</sub> O <sub>8</sub> over 4.5 feet.
68 - 10	151	To check below trench No. 3, in a different direction. Obtained 0.12% U <sub>3</sub> O <sub>8</sub> over 1.4 feet. This is not ore grade over mining widths.

#### Spider Lake Area (Map No. 10)

During the summer of 1968 several trenches were blasted across the belt of radioactivity extending from the islands to the northeast end of Spider Lake. Two holes, 68-11 and 68-12, were drilled under the best exposures. Nothing of economic interest was obtained. These holes had lengths of 303 and 466 feet respectively.

#### Hutton Lake Area

Prospecting in this area indicated some patches of low radioactivity but nothing appeared sufficiently interesting to warrant further work.

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#### Holmes Lake Area (Map No. 12)

The area of most interest in this region seemed to be at the southwest corner of Holmes Lake. Several trenches were blasted on bands of radioactivity in pegmatite but ho ore values were obtained.

A 406' Long diamond drill hole, No. 68-13, was put down to check the most radioactive zone. Low grade mineralization was found in pegmatite from the collar to a depth of 166 feet but values were far below ore grade.

Low intensity radioactivity was discovered in a pink syenite host rock about 1/2 mile southwest of Holmes Lake in a flat, swampy area. Selected pieces of the best mineralization assayed up to 0.14%  $U_3 O_8$ . Subsequent prospecting and trenching revealed only material of a much lower grade. This zone lies approximately on strike with the mineralization at the south west corner of Holmes Lake.

#### Small Lake Area (Maps No. 8-9)

A local grid system was cut and a ground scintillometer survey carried out in this area, about 11/4 miles northwest of Cherry Lake. Ten trenches were blasted into bedrock in the areas of greatest radioactivity. The best results were obtained in trench No. 4 which assayed up to 0.50% U3 O8 across 5.0 feet.

Diamond drill hole No. 68-14 was drilled below trench No. 4 towards the end of October, 1968. The best intersection assayed 0.05% U  $_3O_8$  for 15.0 feet. Additional diamond drilling was carried out in January 1969 but values were low and erratic.

#### Andrew Lake Arm (Map No. 11)

The most radioactive zone discovered in this region occurs on the north shore of Andrew Lake Arm about 2.7 miles west of Andrew Lake. Six trenches were blasted along a slightly magnetic zone trending N 25° E in pegmatitic granite. All samples assayed nil to trace  $U_3 \ O_8$ .

#### Oval Lake Area

This area lies in the southwest corner of the Concession area. Prospecting revealed only low radioactivity in bedrock and granite boulders and no further work was carried out.

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#### Diamond Drilling

The first period of diamond drilling occurred during March and April 1968 at the north end of Cherry Lake when 6 holes were completed.

Drilling was resumed on August 30th with hole 68-7 and continued to the completion of hole No. 68-14 on the 24th of October when operations were suspended untill after freeze-up.

Three holes were drilled at Small Lake in January, 1969 after which all further work was suspended.

In all 6, 298 feet of "AX" Diamond Drilling was completed.

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#### Assay Determinations

All assaying was carried out by X-Ray Laboratories of 45 Lesmill Road, Don Mills, Ontario.

Respectfully submitted,

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February 10th, 1969

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W. H. Thorpe, Geologist.

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McIntyre Porcupine Mines Ltd.

#### REFERENCES

Geology of the Andrew Lake, North District by John D. Godfrey, Research Council of Alberta, Preliminary Report 58 - 3, 1961. 7

Mineralization in the Andrew Waugh and Johnson Lakes Area, Northeastern Alberta, by John D. Godfrey, Research Council of Alberta, Preliminary Report 58-4, 1958.

Geology of the St. Agnes Lake District, Alberta, by John D. Godfrey and E. W. Peikert, Research Council of Alberta, Preliminary Report, 62-1, 1963.

Geology of the Andrew Lake, South District, Alberta by John D. Godfrey, Research Council of Alberta, Preliminary Report, 61-2, 1963.

Geology of the Bayonet, Ashton, Potts and Charles Lakes District, Alberta, by John D. Godfrey, Research Council of Alberta, Preliminary Report, 65-6, 1966.

Report on Alberta Concessions for 1967, New Senator Rouyn Limited, by E. A. Hart, November 1967.

Report on Airborne Scintillometer Survey by E. Lipsett and C. M. Trigg, July 1968.

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#### ASSAYS

The following is a tabulation of those assay results not reported on maps.

A - 1

### Trench - North end of Cherry Lake

Sample No.	%U 3 O 8	Width	Location
9920	0.14	2.0	W. end of trench
9921	0.01	2.0	E. end of trench
9922	Tr.	2.0	E. end of trench

Note: This is trench from which a previous sample had assayed 0.79% U  $_3O_8$  across 4.0 feet in 1967.

Twin Lakes Area - Trench No. 1

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Sample No.	% U 3 08	%Th O2	Width	Location
9901	0.01	Tr.	0.0- 5.0	starting at E. end
9902	0.02	Tr.	5.0-10.0	
9903	Tr.	Tr.	10.0-15.0	
9904	Tr	Tr.	15.0-20.0	
9905	0.02	Tr.	20.0-25.0	
9906		Tr.	25.0-30.0	4
9907	0.03	Tr.	30.0-35.0	
9908	0.11	0.01	Grab	
9912	Tr.		35.0-40.0	
9913	Tr.	-	40.0-45.0	
9914	Nil		45.0-50.0	
9915	0.01	-	50.0-56.0	W. end

end

### Twin Lakes Area - Trench No. 2

Sample	%U 3 08	Width	Location
9916	0.01	0.0- 5.0	Starting at W.
9917	Tr.	5.0-10.0	
9918	Tr.	10.0-15.0	
9919	Tr.	15.0-18.0	
9936	. Tr.	18.0-23.0	
9937	0.02	23.0-28.0	
9938 .	0.04	28.0-33.0	1
9939	Tr.	33.0-38.0	
9940	Tr.	38.0-43.0	
9941	Tr.	43.0-48.0	AND A DAMA
9944	0.04	48.0-53.0	o
9945	Tr.	53.0-58.0	
9946	. 0.02	58.0-63.0	
A CONTRACT OF A			

#### Twin Lakes Area - Trench No. 2 Cont'd.

Sample	% U 308	Width
9947	0.03	63.0- 66.0
9581	Tr.	66.0-71.0
9580	Tr.	71.0-76.0
9579	0.04	76.0- 81.0
9578	Tr.	81.0- 86.0
9577	0.02	86.0- 91.0
9576	Nil	91.0- 96.0
9575	Tr.	96.0-101.0
9574	0.01	101.0-103.5

Twin Lakes Area - Trench No. 3

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4

Sample No.	% U 308	Width
9667	Tr.	6.0'
9668.	Tr.	6.0'
9669	Tr.	5.0'
9670	0.01	5.0'
9671	0.02	5.0'
9672	0.11	Grabs

Twin Lakes Area - Trench No. 4

Sample	% U 3 O 8	Width	1 8 Sel 1	Location
9681	0.02	0.0- 5.0		N.E. end
9682	0.04	5.0-10.0		
9683	0.05	10.0-15.0		S.W. end
9684	0.02	Grabs		

Twin Lakes Area - Trenches No. 5-6-7

Sample	% U 3 O 8	Width Location		Width Loc		Width Location		Width Locati		idth Location		Location		Location		
9809	Tr.	0.0- 5.0	Tren	ch No.	5											
9810	0.02	5.0-10.0		11	11											
9811	Tr.	10.0-12.5	П	11	п											
9812 '	0.04	0.0- 5.0	Tren	ch No.	6											
9813	Tr.	5.0-10.0	Ц	11	11											
9814	Tr.	10.0-17.0	11	11	11											
9815	0.01	5.0- 8.0	• Tren	ch No.	7											
9816	Tr.	0.0- 5.0	п		11											
		· · · · · · · · · · · · · · · · · · ·														

·A - 2

East end of trench.

Starting at W. end

Location

Location W. end of trench (20.0') at 15.0' at 10.0' at 5.0' E. end of trench-on B. L. \*selected-high radioactivity

### Twin Lakes Area - Trench No. 8

Sample No.	% U 3 O 8	Width	Location
9687	0.02	0.0- 3.0	N.W. corner
9688	Tr.	0.0- 5.0	W. end
9689	Tr.	5.0-10.0	Mid-section
9690	0.01	10.0-13.0	E. end

### Twin Lakes Area - Trench No. 9

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Sample No.	% U 3 O 8	Width
9622	0.02	0.0- 8.0
9623	0.03	8.0-16.0
9624	0.01	16.0-24.0
9625	0.01	24.0-32.0
9626	0.01	32.0-40.0
9627	0.02	40.0-48.0
9628	0.02	48.0-56.0
9629	Tr.	56.0-64.0
9630	Tr.	64.0-68.0

E. end

0

Location

W. end

#### Small Lake - Trench No. 1

Sample No.	% U 308	Width		Location
9633	0.01	0.0- 8.0		W. end
9634	0.01	8.0-16.0		
9635	Tr.	16.0-24.0		
9636	Tr.	24.0-32.0	and the second s	
9637	0.01	32.0-40.0		E. end

Small Lake - Trench No. 2

Sample No.	% U 308	Width
9632	0.01	0.0- 5.0

### Small Lake - Trench No. 3

Sample No.	% U 308	Width
9608	0.06	0.0- 5.0

Sample No.	% U3 O8	% Th 02	%MoS2	Width	Location
9609	0.50	0.15		0.0- 5.0	W. end
9610	0.04	Tr.		5.0-10.0	measurments
					w. to e.
9818	0.08	0.04	0.08	0.0- 1.0	check sampling
					w to e. at 2.0'
					depth
9819	0.04	0.03	0.06	1.0-2.0	п п п п
9820	0.08	0.07	0.08	2.0- 3.0	п п п п п
9821	0.05	0.03	0.07	3.0- 4.0	11 11 11 11 11
9822	0.04	Tr.	0.02	4.0- 5.0	п п п п
9823	0.49	0.16	0.16	0.0-1.0	н н н н н .
\$ 9826	0.07	0.02	0.02	0.0-1.0	New exposure w.
					to e. at 4. 0'depth
• 9827	0.16	0.11	0.18	0.0- 1.0	New exposure
					e. to w. 4. 0' depth
9828	0.03	0.02	0.07	1.0- 3.0	и п п п
9829 .	0.05	Tr.	0.06	3.0- 5.0	measures e. to w.
					at 4.0' depth
9830	0.02		-	5.0- 6.0	пппп
9832	1.06	0.24	0.23	Grab	spot of high radio
	in the second second	g . She to be when a first		the state	activity.
0					A TRACTOR WALLS
Small Lake -	Trench No. 5				
Sample No.	<u>% U30</u> 8	% Th 02	Width	Locati	on
9611	0.04	0.01	0.0- 5.0	measu	rments w. to e.
9612	0.01	Nil	5.0-10.0		11 11
					a hard friday .
			· · ·		
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A - 4

# Small Lake - Trench No. 6 - (800' S. E. of Small Lake)

Sample No.	% U3 O8	Au oz	Ag oz	Width
9631	0.01	- V	1	0.0-8.0
9639	0.01	Nil	Tr.	Grab

## Small Lake - Trench No. 7

Sample No.	% U 3 O 8	% Th 02	%MoS2		Width	Location	
9824	0.11	0.09	0.20		0.0-1.0	W. end	
9025	0.19	0.11	0.28	0	1.0-3.0		



### Small Lake - Trench No. 8

Not Sampled - Low radioactivity

Sample No.	% U 3 O8	% Th 02	Width	Location
9833	0.01	Tr.	0.0- 5.0	W. end
9834	0.03	Tr.	5.0-10.0	E. end
9835	0.08	0.01	Grab	
		17.	Gius	
Small Lake -	Trench No. 10			Locatio
		17.	Width 0.0- 6.0	Location W. end

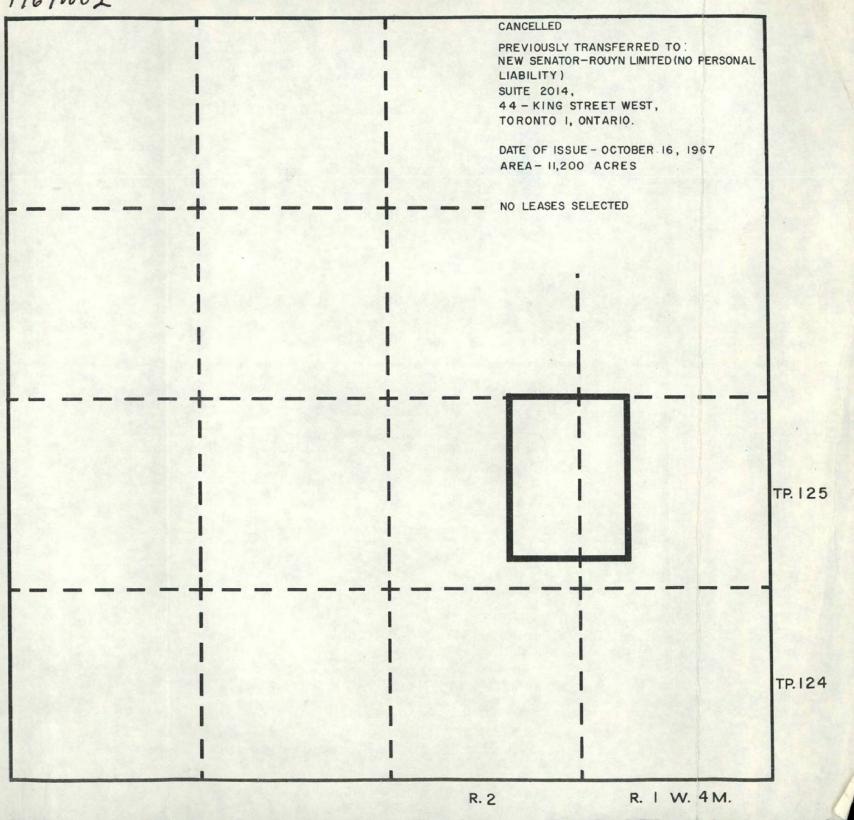
### Ginger Lake - Outcrop Blasting

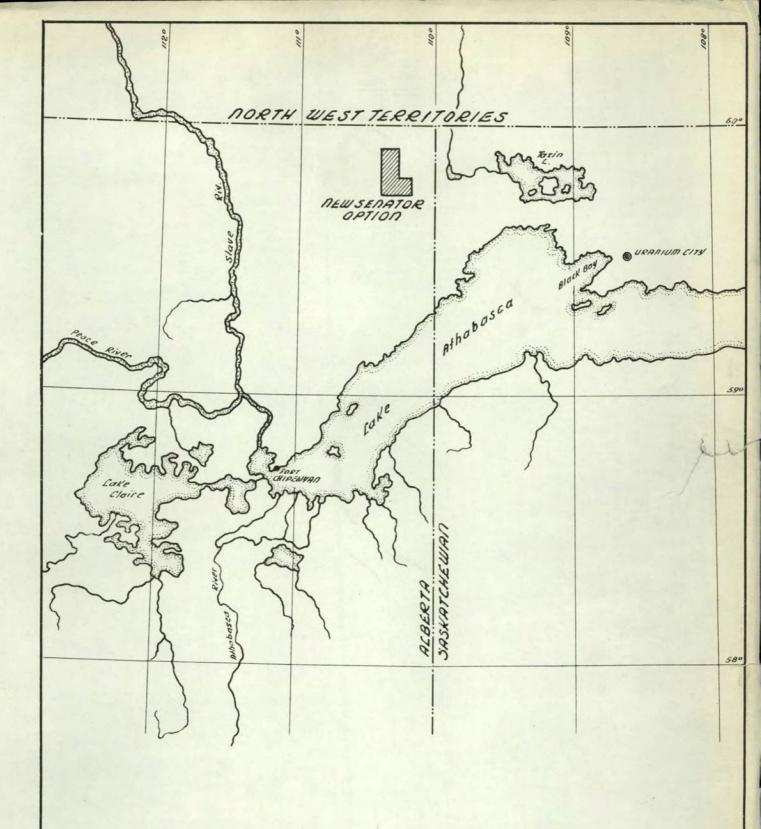
The following assays were obtained on selected grabs from a blasted zone of poor miner alization situated about 1,000 feet northwest of Ginger Lake.

0

Sample No.	% U 30 8	% Cu
9603	0.01	Tr.
9604	Nil	0.02
9605	0.01	Tr.
9606	Tr.	Tr.
4		

# 1969002 QUARTZ MINERAL EXPLORATION PERMIT No. 7





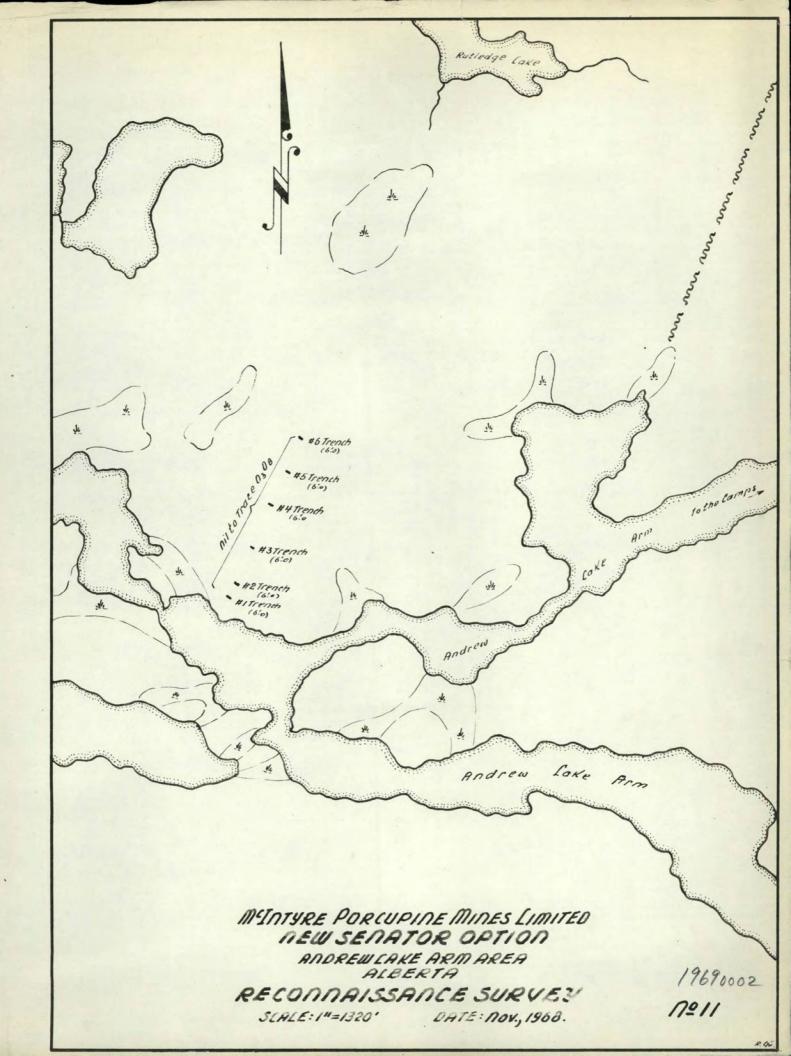
MEINTURE PORCUPINE MINES LIMITED **NEW SENATOR OPTION** ANDREW LAKE AREA ALBERTA

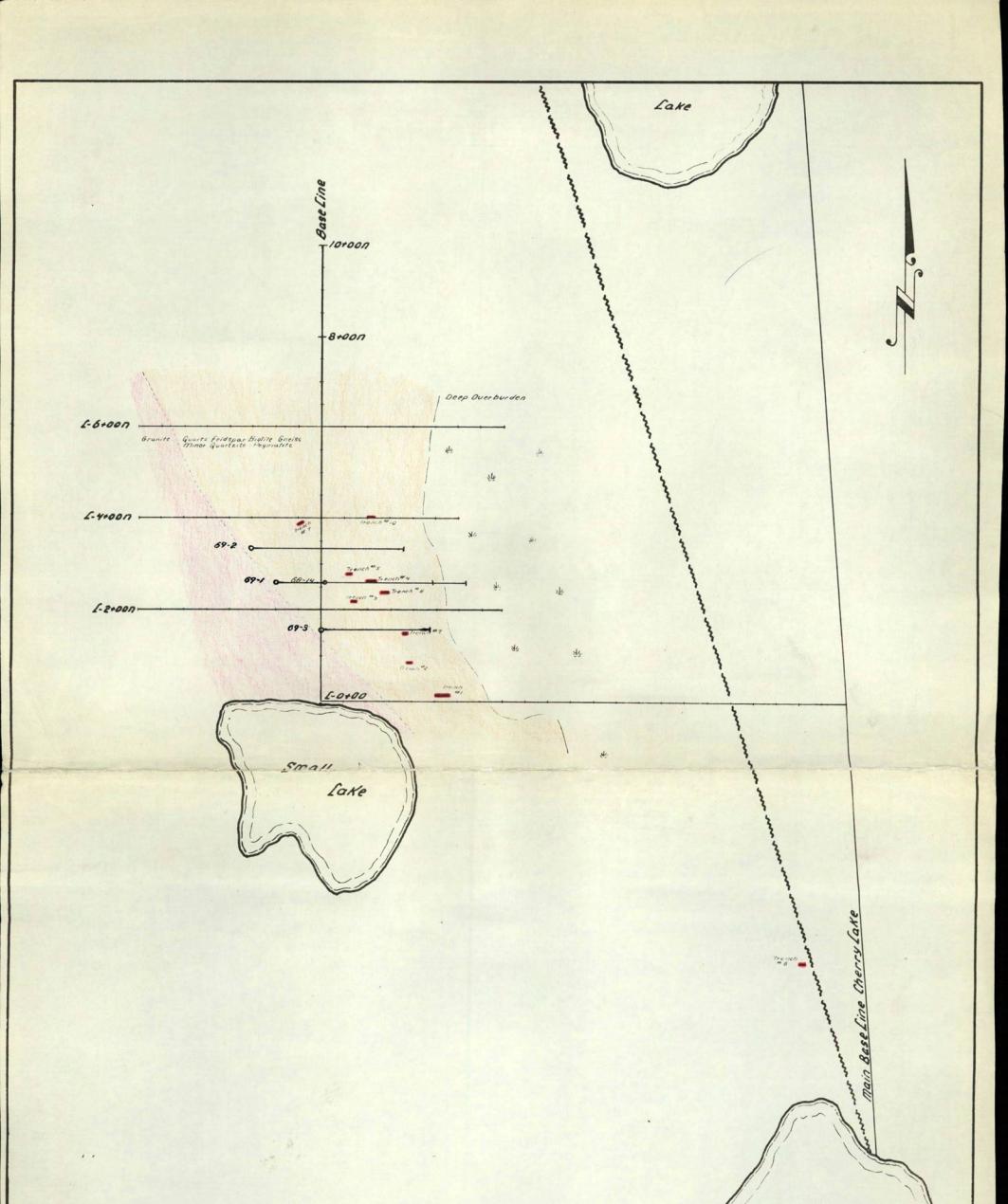
LOCATION MAP

SCALE: linch = 25 miles

DATE: October, 1968.

19690002 nº1





north

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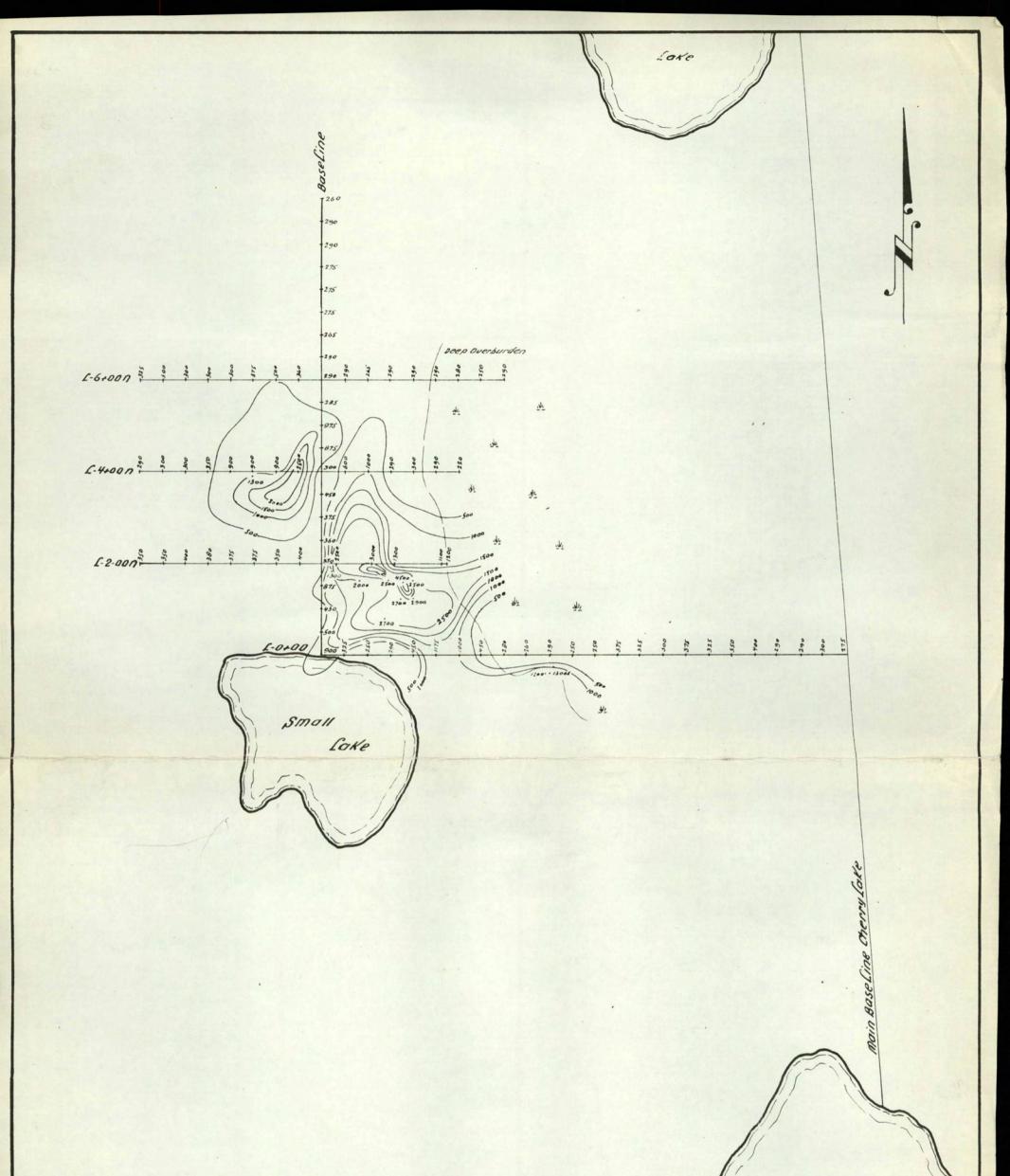
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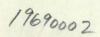
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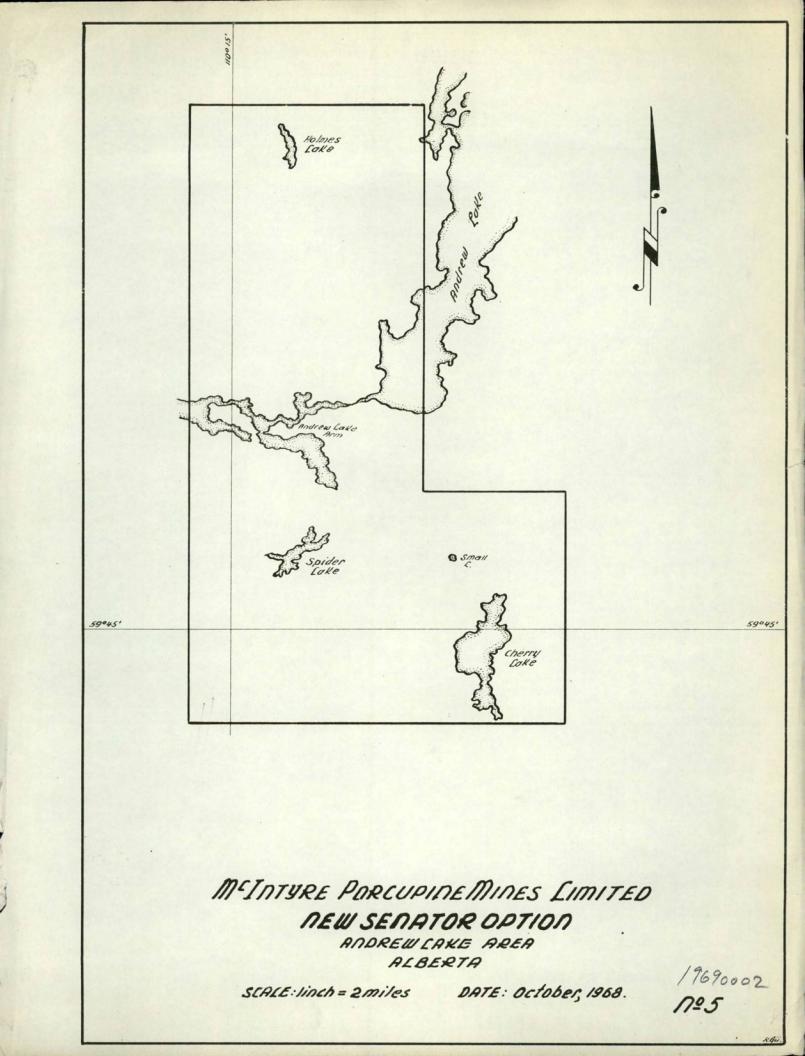


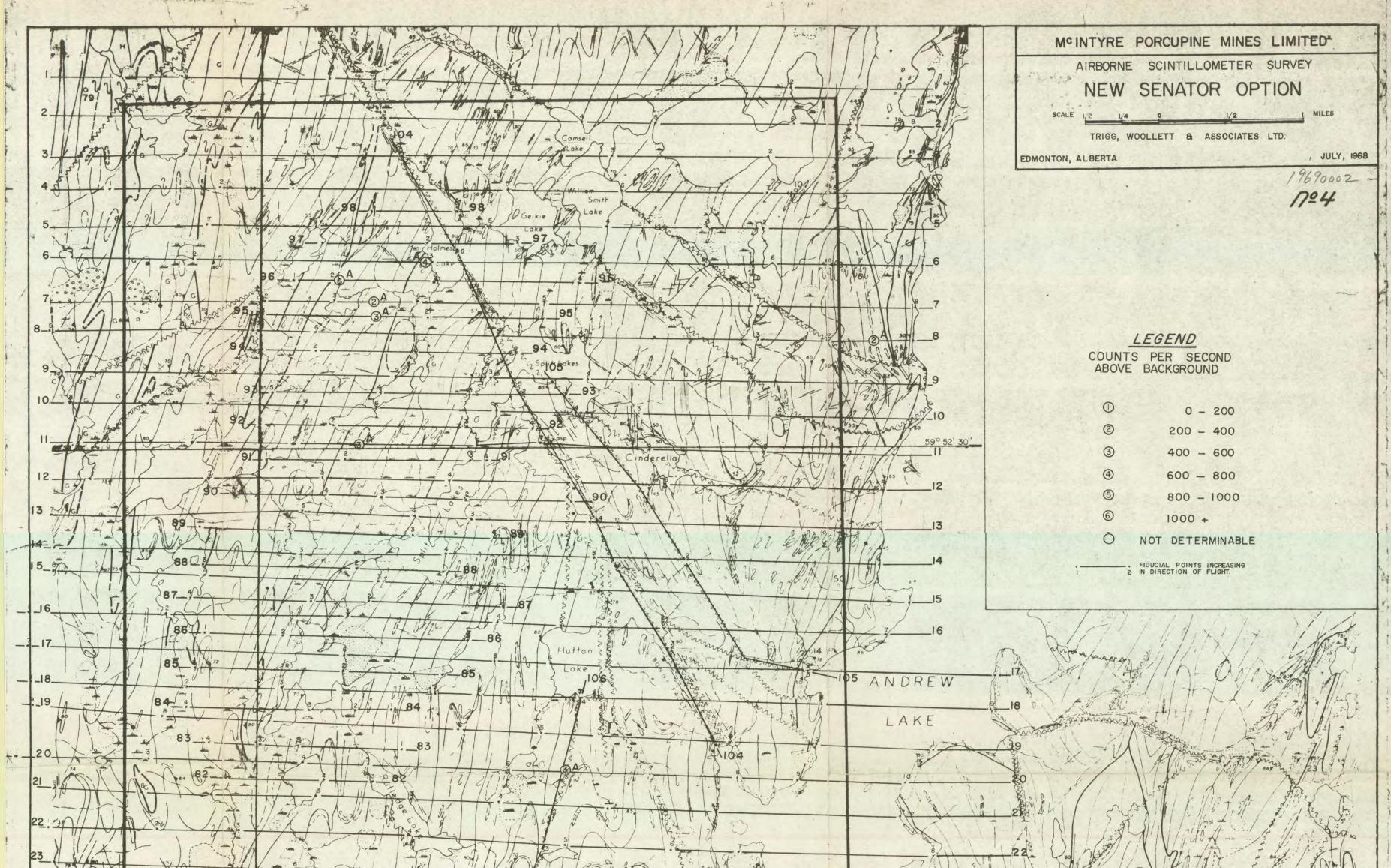
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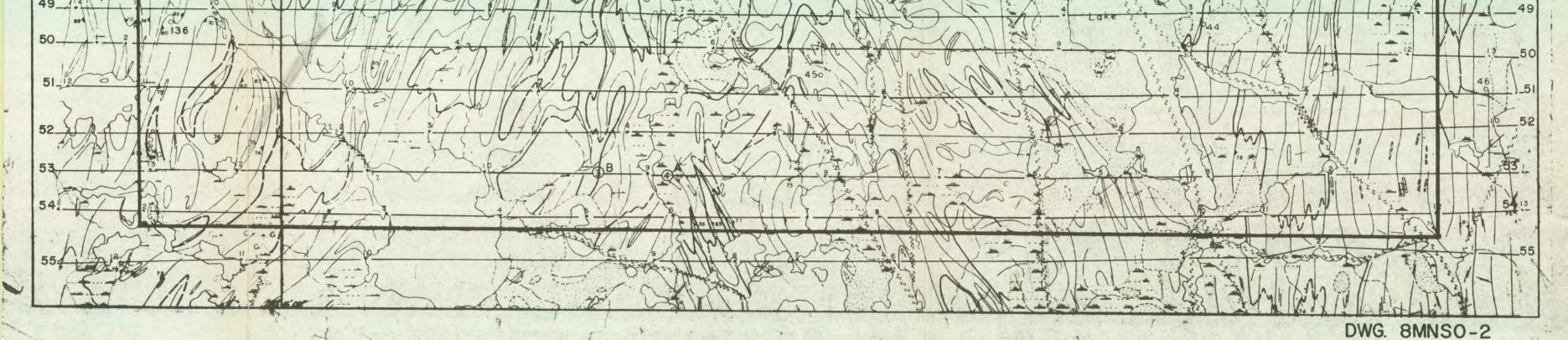
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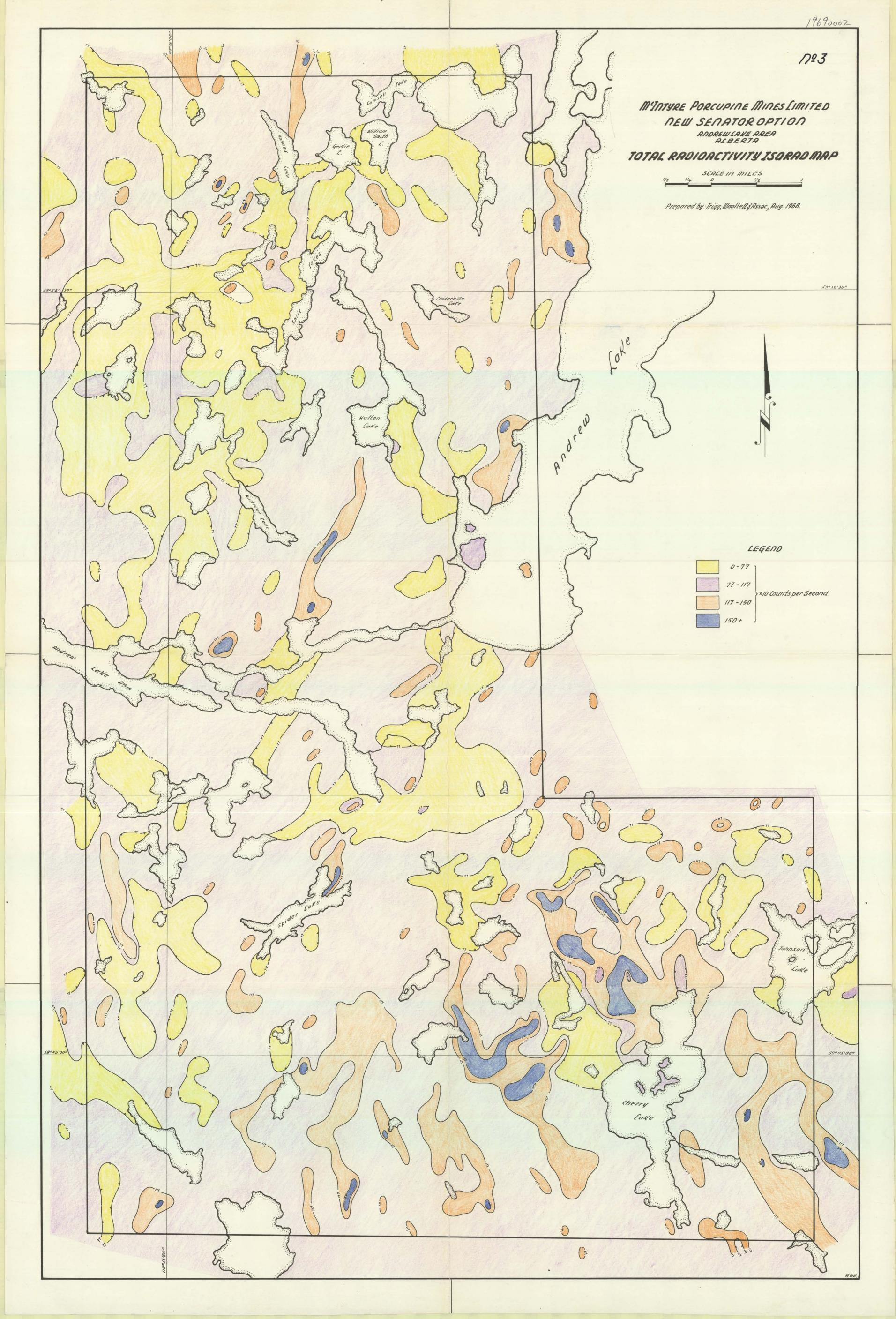


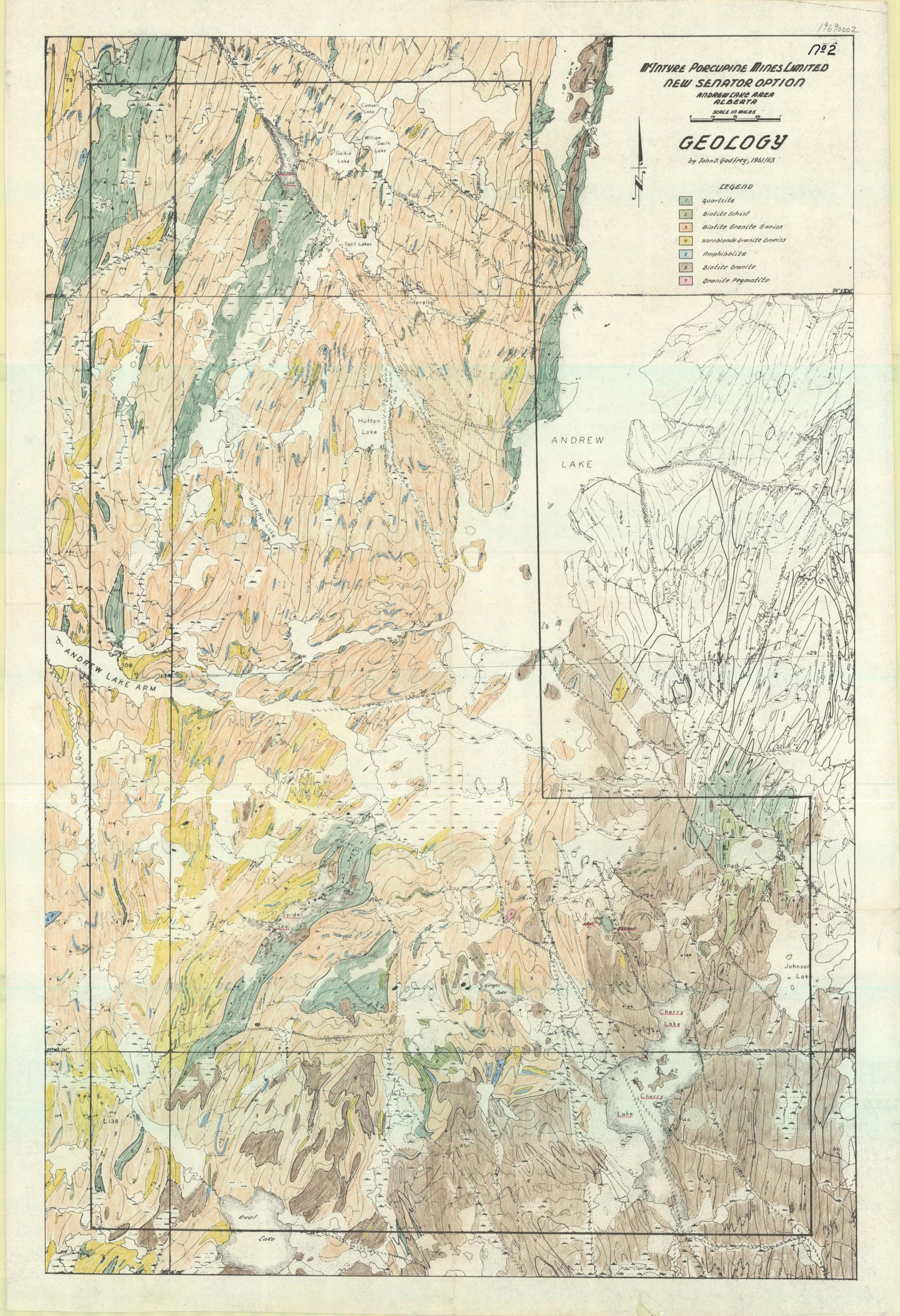


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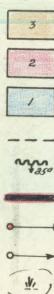
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	40 4 20 12 12 12 1 2 13 1 400 Th	76 1 37 Spider
	41_1	40
	42 1 43 The 12 To X	TA TA Johnson 63
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	49 120 1 1 1 1 1 1 1 1 1	North Charles and the state of







# LEGEND



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# 3 Pink Biotite Granite Gneiss

2 Granite, Pegmatitic in Places Quartz feldspar Biotite Gneiss, Quartzite, minor Pegmatite --- Geological Contact

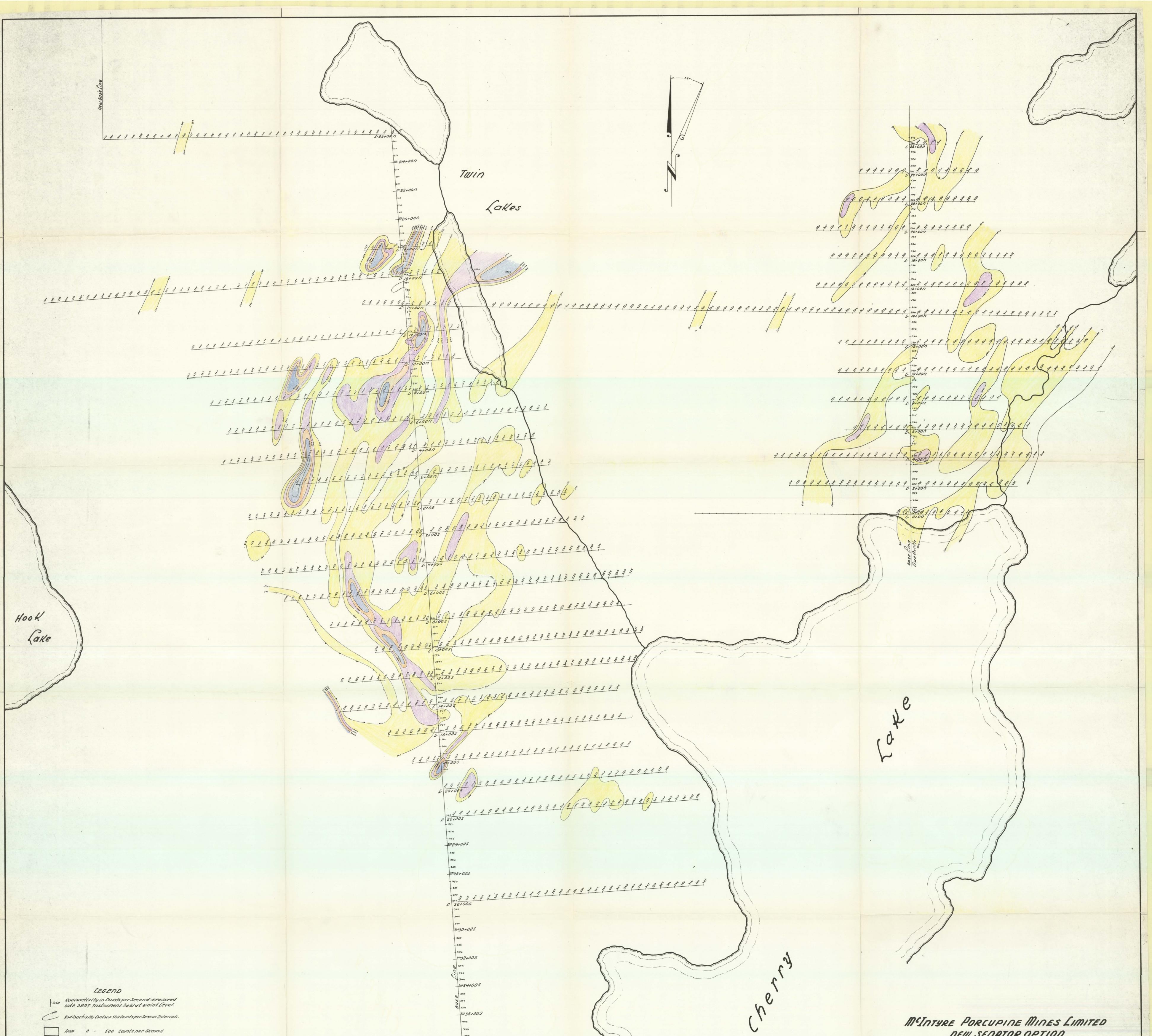
Maso foult Ione with Dip of foult Plane

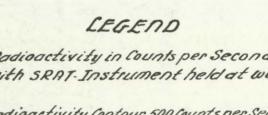
Exploration Trench - Completed Diamond Drill Hole

- Proposed Diamond Drill Hole

Swamp Area

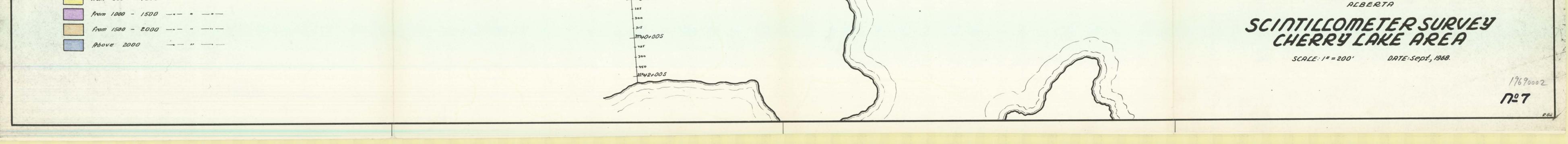






from 500 - 1000 - "- " - "-

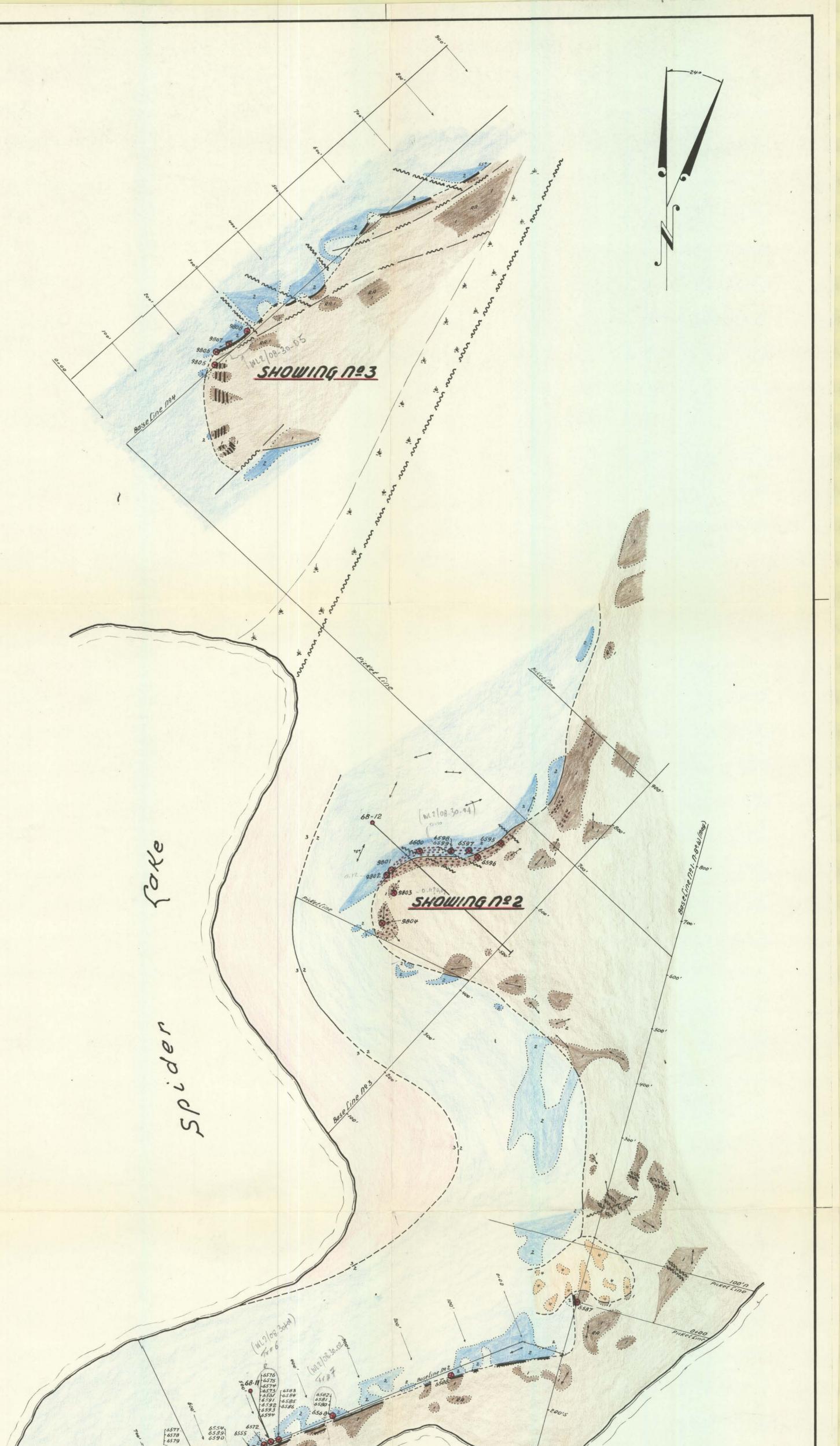
NEW SENATOR OPTION ANDREW LAKE PROPERTY



400 38+005

Mapped Area 6564 6565 6565 6567 6569 spide! 6570 LOCATION MAP SCALE : 1"= 1/4 Mile

SAMPLE Nº	\$ 1308	% Th 02	% M052	LOCATION & REMARKS	
6551	0.05	-	-	565' ON B.L. Nº2 - Grab	
6552	0.08	-	-	Island - 0.0-5:0	
6553	0.11	-	-	- " - Chips from Bottom of Trench	
6554	0.04	-	-	550' ON B.L. Nº2 - 0.0 - 4:5	
6555	0.04	-	-	520'on B.L. Nº2-0.0-1'o	
\$ 6556	0.17	-	-	Grab	
6557	nil	-	Tr.	Island - Trench Nº1 - 0.0-6:5	
6558	0.02	-	Tr.	6:5-11:0	
6559	Tr.	-	Tr.		
6560	nil	-	Tr.		
6561	-	-	-	490'on B.L. Nº2-spectrographic-norsignificant	
6562	Tr.	-	nil	Island Nº6- Trench N82 - 0.0-5:0	
6563	Tr.	-	-		
6564	-	-	-	CampIsland-Grab - (SeeLocation Map)	
		-	Tr.		
6565	-				
6566	-	-	Tr.		
6567	-	-	nil		
6568	Q.16	0.02	0.02	370'on B.L. Nº2 - Grab	
6569	-	-	nil	Camp Island-Grab (See Location Map)	
6570	-	-	nil	Bay SE Shore - " _ " _	
6571	-		Tr.		
6572	0.01	Tr.	TI".	500'along BaseLine 2-36:0-42:0	
6573	0.03	0.01	0.01	490'on - " - Trench Nº6 - 6:0-10:5	
6574	Tr.	-	nil		
6575	71.	-	nil		
6576	Tr.	-	Tr.		
6577	Tr.	-	Tr.	620' Base fine 2.15.0 21.5 - Poor RA.	
6578	0.02	-	Tr.	11 - " 21.'5-26'o - Good RA.	
6579	Tr.	-	Tr.	11 -11 - 26:0-32:0 - Poor RA.	
6580	Tr.	-	nil	370' Trench 127-5:0-6:0 - Poor R.A.	
6581	0.03		Tr.	11 _11 _ 11 _ 6:0-10:0 - Fair RA.	
6582	Tr.	-	Tr.	11 _11 _ 11 _ 10:0-14:0 - POOR RA.	
6583	0.11	0.02	0.02	475' - "- Chip S. Loinches - Good RA. '	
6584	Tr.	-	-	" " 1:0	
6585	0.04	-	-	" - " - " 2'3" - good RA.	
6586	Tr.	-	-	" - " - " 1.0 - Wall, poor RA.	
6587	0.04	-	-	0+00 on B.L. Nº 1 - Grab.	
	0.03	-	Tr.	150'on BL. Nº2 - Grab 10'o - poor R.A.	
6588				550'00 BL. 192 - Grab 0.0-4'.0	
6589	0.03	-	0.01	- " - " " " 4'.0-12!0 - poor RA.	
6590	Tr.	-	Tr.	490'01 BL. 122 - 0.0-2'0 - poor RA.	
6591	0.01	-	Tr.		
6592	Tr.	Tr.	0.01	- 11 11 2:0-4:5- good RA.	
6593	0.04	0.01	0.02		
6594	0.02	Tr.	0.02		
6595	0.05	0.01	-	Nº2 Showing-Fair RA.	
6596	0.05	-	-		
6597	0.07	0.01	-	Chip.Grab - Good RA.	
6598	0.09	-	-		
6599	0.10	-	-		
6600	0.02	-	-		
9801	0.09	-	-		
9802	0.12	-	-		
9803	0.11	-	-		
9804	0.05	-	-		
9805	0.04		-	Nº 3 Showing	
	0.05	-	-		
9905					
9805 9807	0.04	-	-		



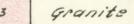
# LEGEND



2

Quartz-feldspar-Biotite Gneiss

Quartzite - Impure, often rich in Biotite and feldspar.



- Granite Gneiss
- Strike & Dip Contact -

man folding

RADIO ACTIVITY :

- Contact assumed
- Fault m

<....>

RA.

13

fault assumed - - -

Qutcrop

- Concentrated ···· Disseminated

Weak

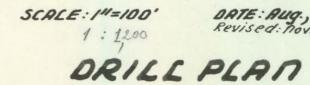
W- Low ground on Swamp

\$ 6555 Sample Location and Number

W12/08-22-04

MINTURE PORCUPINE MINES LIMITED NEW SENATOR OPTION ANDREW LAKE PROPERTY ALBERTA

RECONNAISSANCE SURVEY SPIDER LAKE AREA



DATE: Aug., 1968. Revised: Nov. 1968

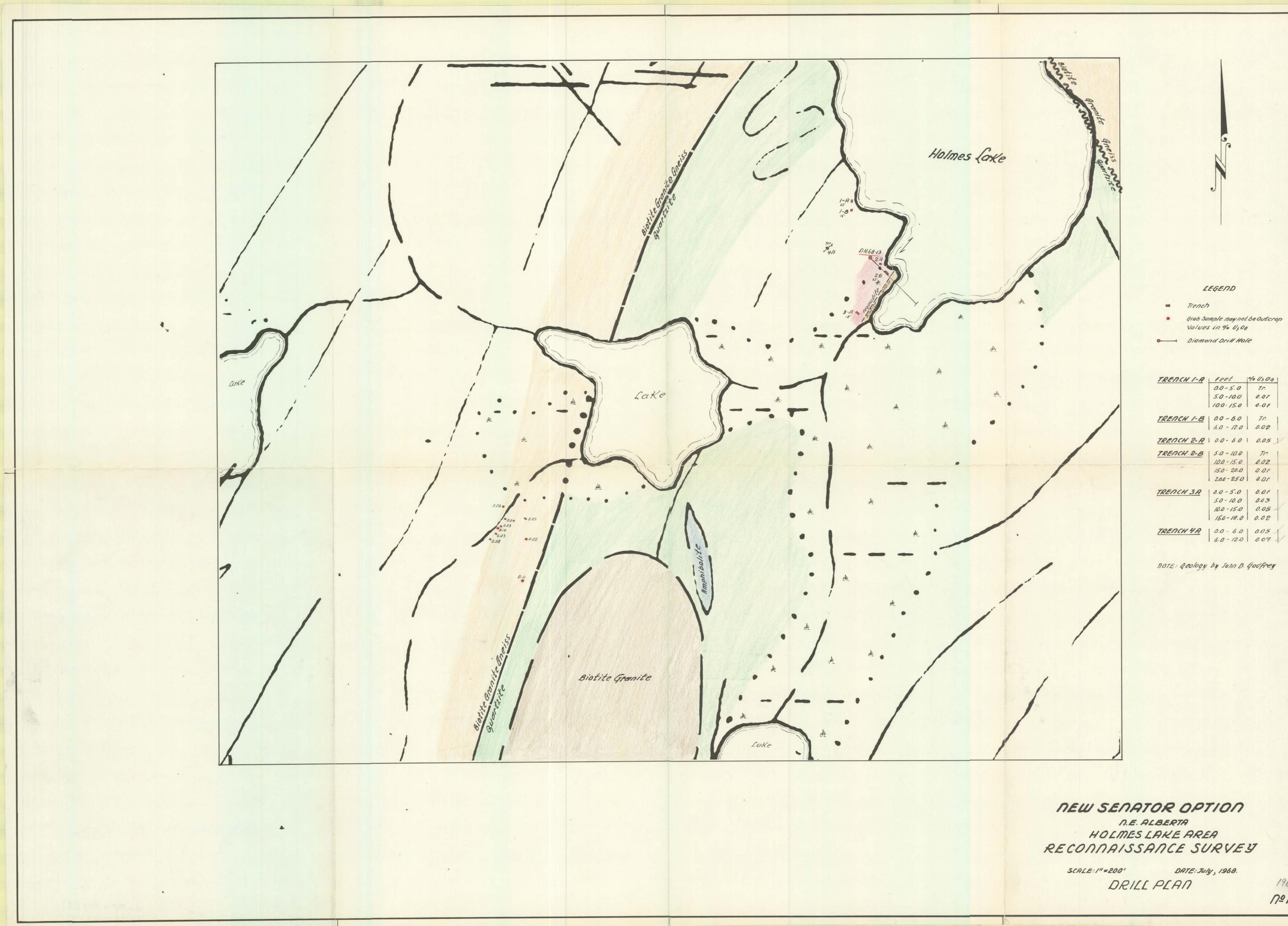


1969002

SHOWING Nº

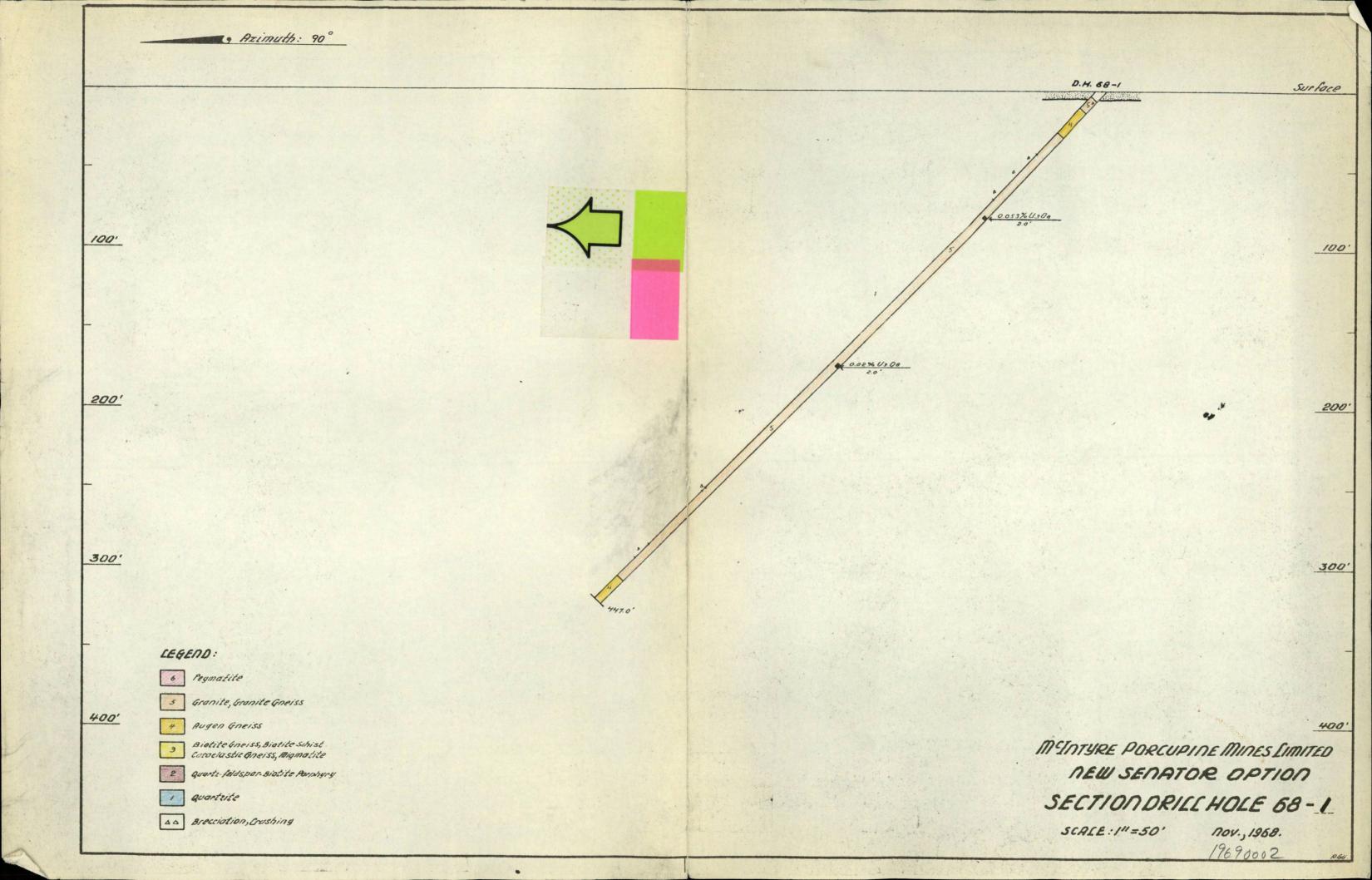
Lake

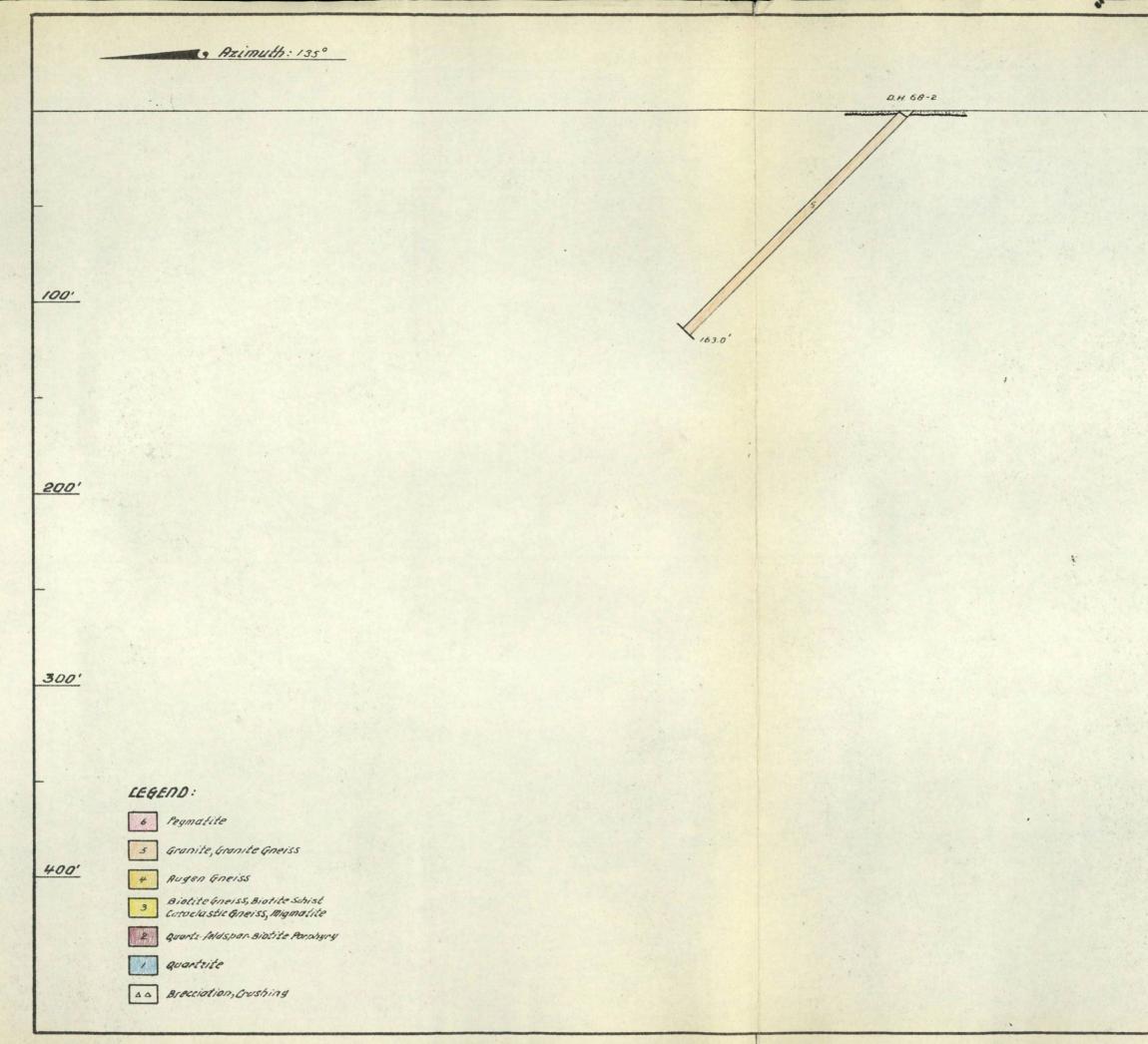
Spider



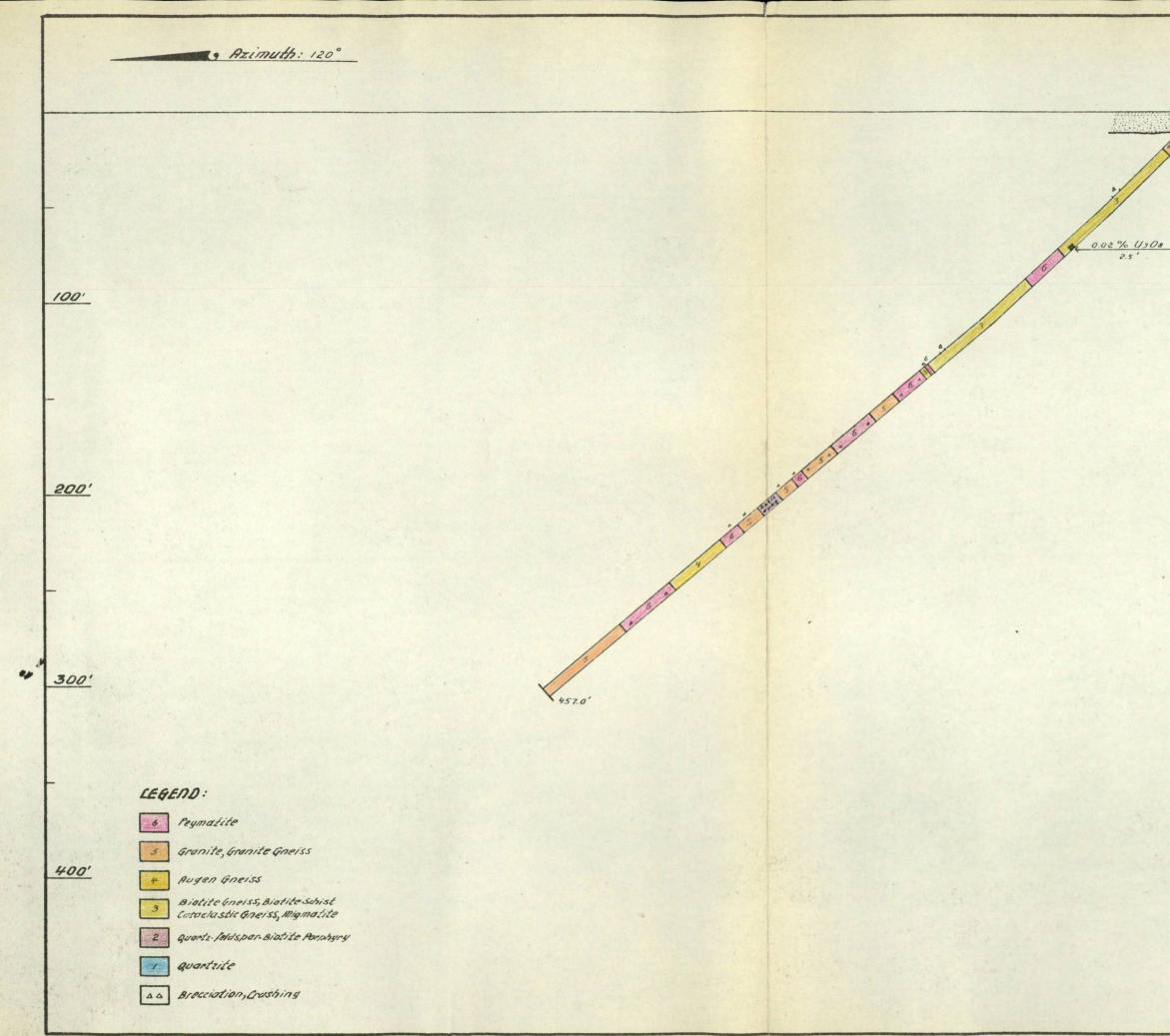
TRENCH I-A	feet	% 1308
	0.0-5.0	Tr.
	5.0-10.0	0.01
	10.0-15.0	0.01
TRENCH I-B	0.0 - 6.0	Tr.
	6.0 - 12.0	0.02
TRENCH 2- R	0.0 - 6.0	0.05
TRENCH 2-B	5.0 - 10.0	Tr
	10.0 - 15.0	0.02
	15.0 - 20.0	Q.Q.I
	200-25.0	0.01
RENCH 3R	0.0-5.0	0.01
	5.0 - 10.0	0.03
	10.0 - 15.0	0.05
	15.0 - 18.0	0.02
TRENCH 4A	0.0 - 6.0	0.05
	6.0-12.0	0.07

19690002 Nº 12





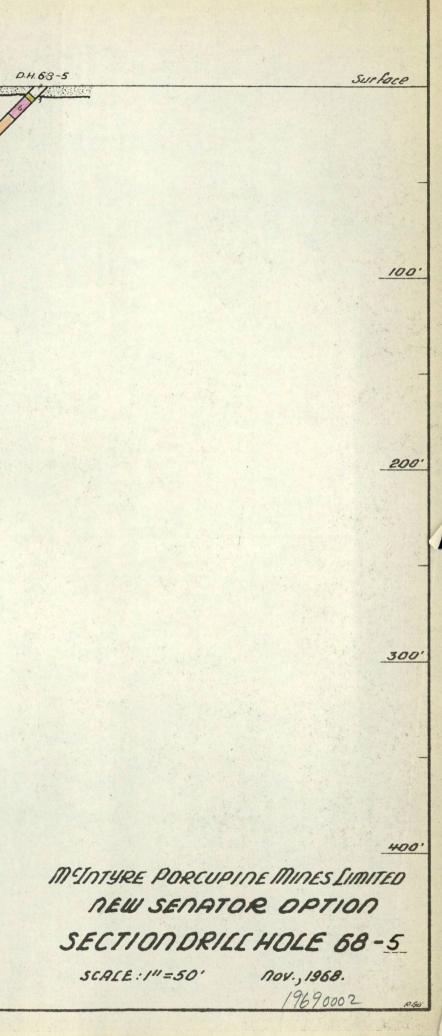
Surface 100' 200' 300' 400' MEINTURE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 68-2 Nov., 1968. SCALE : 1" = 50' 19690002

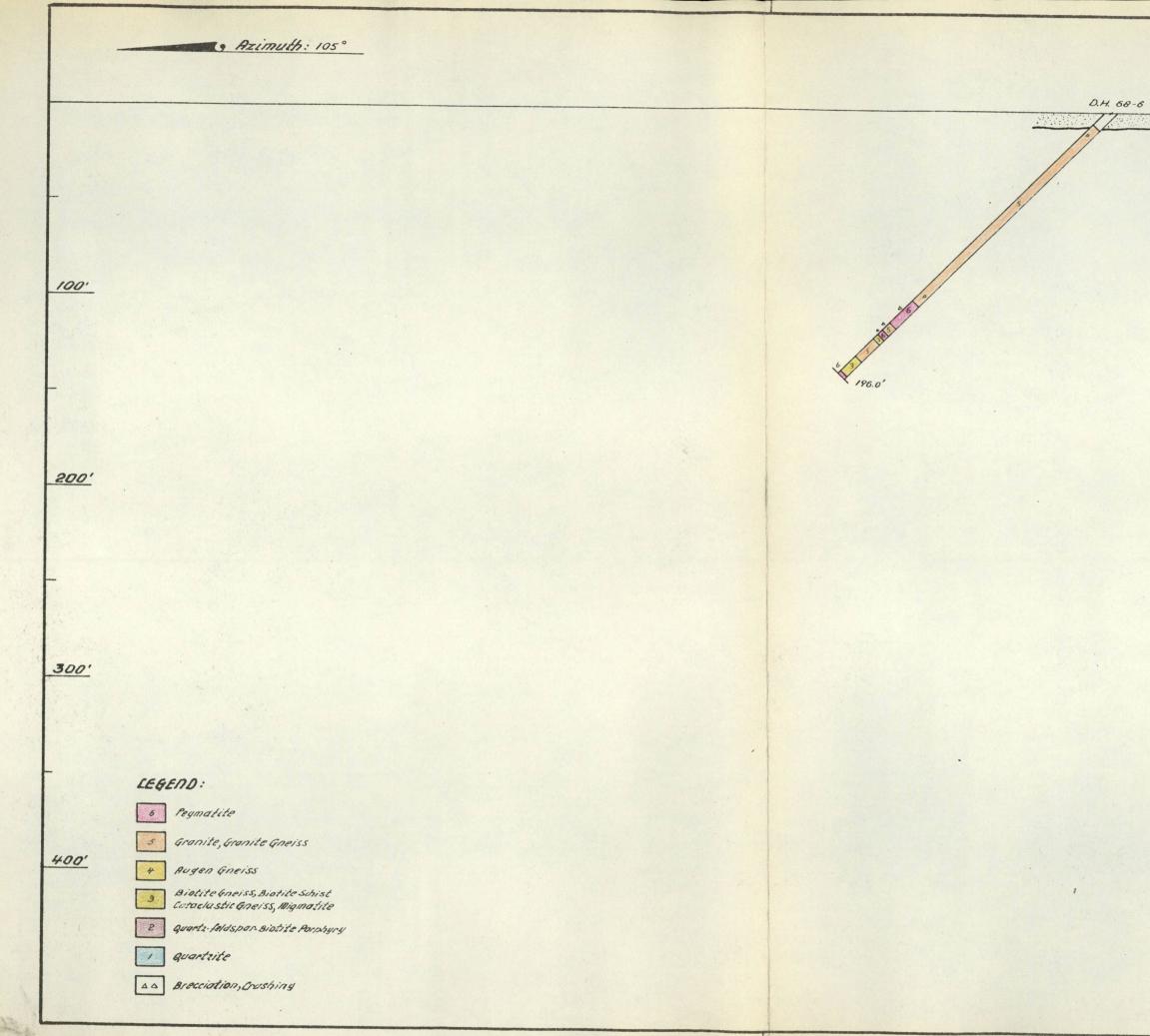


D.H. 68-3 Surface 100' 200' 300' 400' MSINTYRE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 68-3 *nov., 1968.* 19690002 SCALE : 1" = 50'

Azimuth: 285° D.H. 68-4 Surface 010 % U308 100' 100' 200' 200' 300' 300' 460.0 LEGEND: 6 Peymatite Granite, Granite Gneiss 5 400' 400' Augen Gneiss # MSINTYRE PORCUPINE MINES LIMITED Biotite Gneiss, Biotite Schist Cotoclastic Gneiss, Migmatite 3 NEW SENATOR OPTION Quartz-feldspar Biotite Porshyry 2 SECTION DRILL HOLE 58-4 quartzite 1 AD Brecciotion, Crushing **Nov., 1968.** 19690002 SCALE : 1" = 50'

Azimuth: 285° 100' 163.0 200' 300' LEGEND: Peymatite 6 Granite, Granite Gneiss 5 400' Augen Gneiss 4 Biotite Gneiss, Biotite Schist Catoelastic Gneiss, Migmatite 3 Quartz-feldspor Biotite Porphyry 2 quartzite 1 AA Brecciotion, Crushing





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400' MEINTYRE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 68-6 SCALE : 1" = 50' Nov., 1968. 19690002

Surface

.

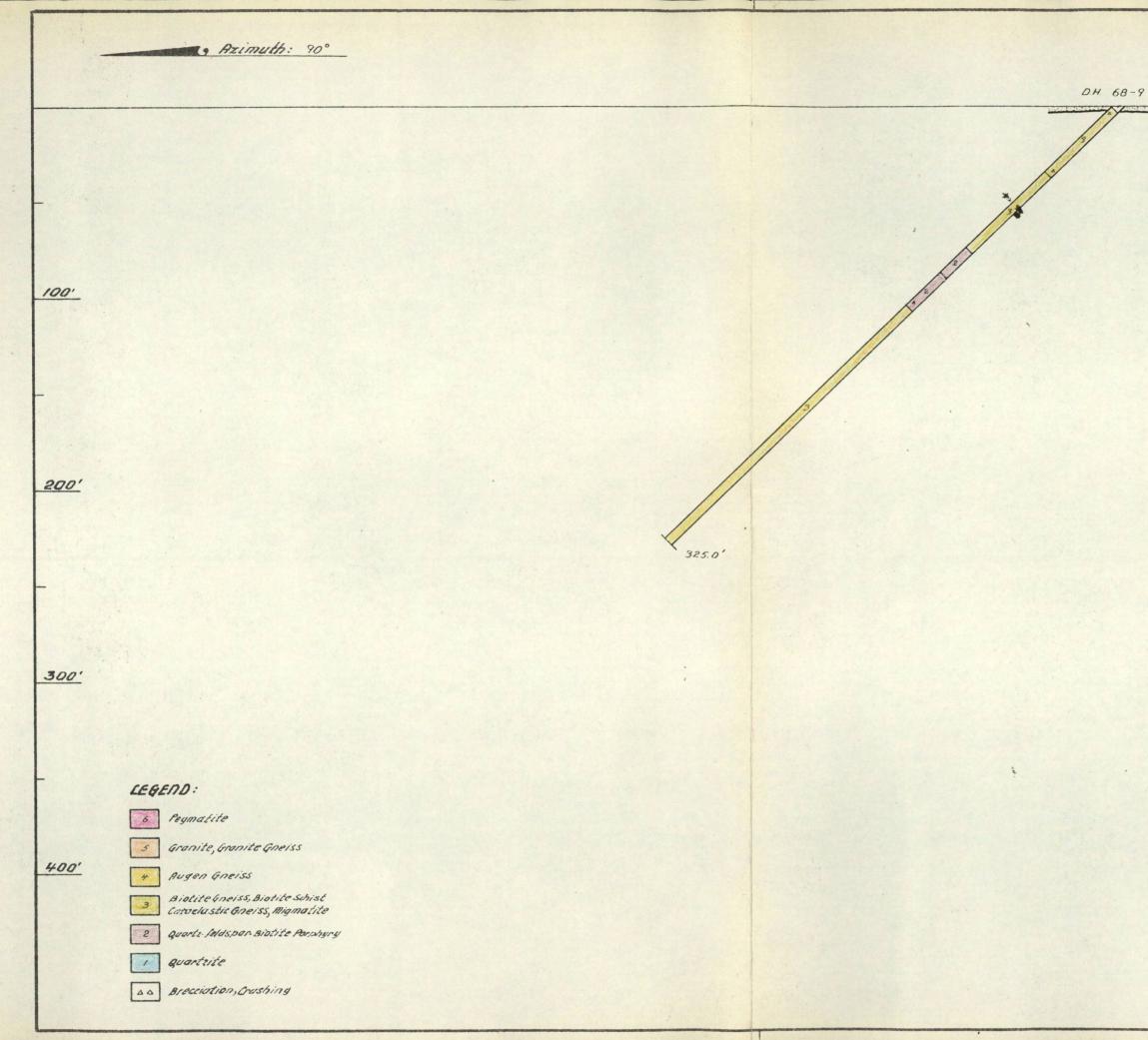
100'

200'

30.0'

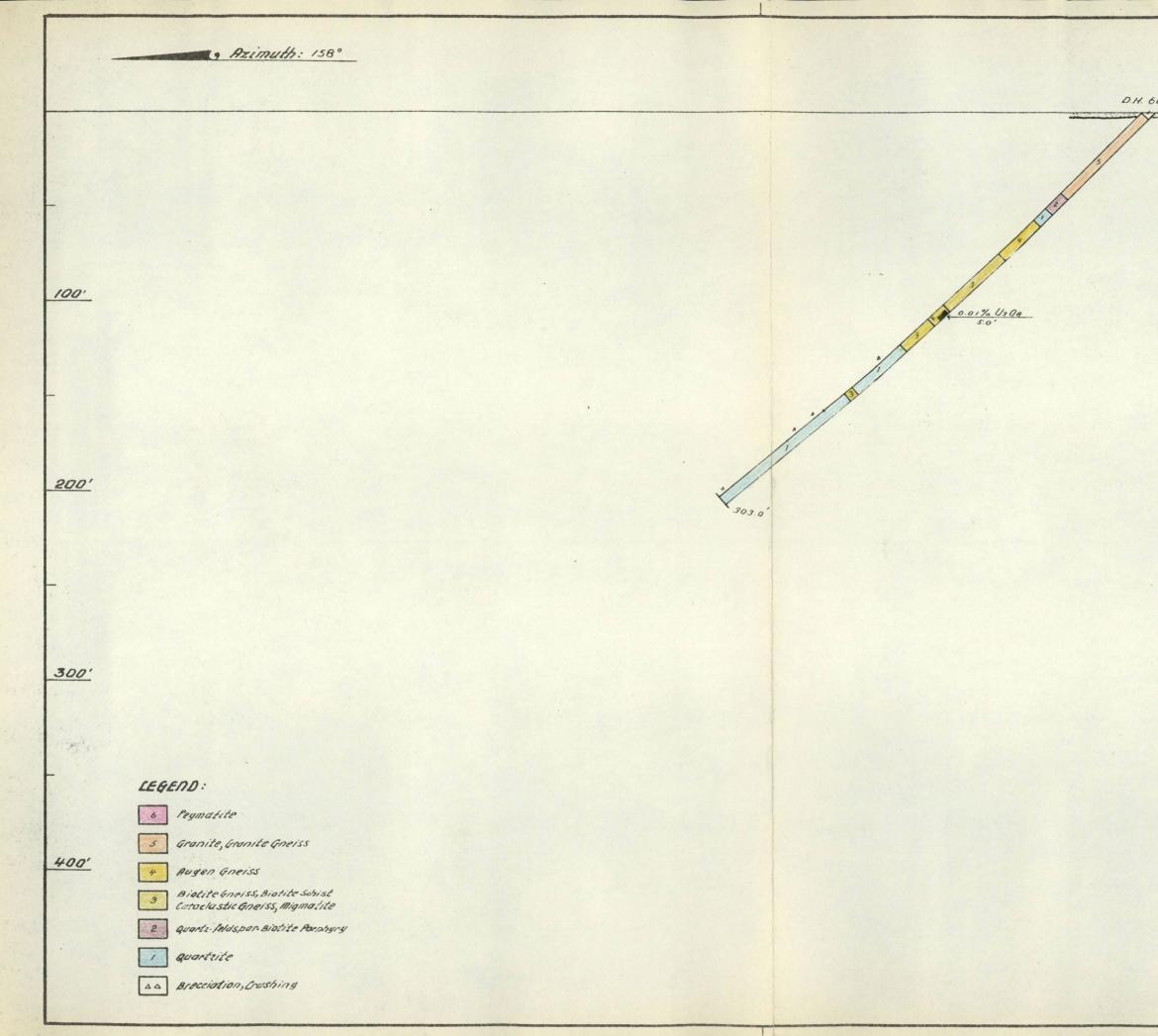
Azimuth: 45° Q.H. 68-7 Surface 100' 100 rite za 200' 200' 300' 300' LEGEND: Pegmatite 6 526.0' Granite, Granite Gneiss 5 400' 400' Augen Gneiss 4 MEINTURE PORCUPINE MINES LIMITED Biotite Gneiss, Biotite Schist Catoclastic Gneiss, Migmotite Э NEW SENATOR OPTION Quartz-feldspar-Biotite Porphyry 2 SECTION DRILL HOLE 68-7 quartzite 1 AA Brecciotion, Crushing 19690002 SCALE : 1" = 50'

Azimuth: 225° D.H. 68-8 Surface 100' 100' 200' 200' 300' 300' LEGEND: 6 Peymatite Granite, Granite Gneiss 5 400' 400' Augen Gneiss 4 525.0' MEINTYRE PORCUPINE MINES LIMITED Biotite Gneiss, Biotite Schist Cotaclastic Gneiss, Migmatite 3 NEW SENATOR OPTION 2 Quartz- feldspar Biotite Porphyry 1 quartzite SECTION DRILL HOLE 68-8 A Brecciation, Crushing *поч., 1968.* 19690002 SCALE : 1" = 50' Y



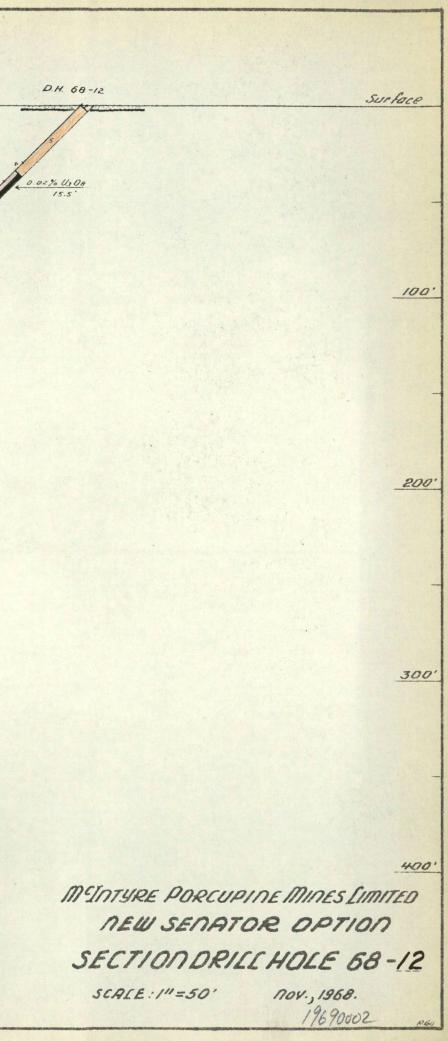
Surface 100' 200' 300' 400' MINTYRE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 68-9 NOV., 1968. SCALE : 1" = 50' 19690002

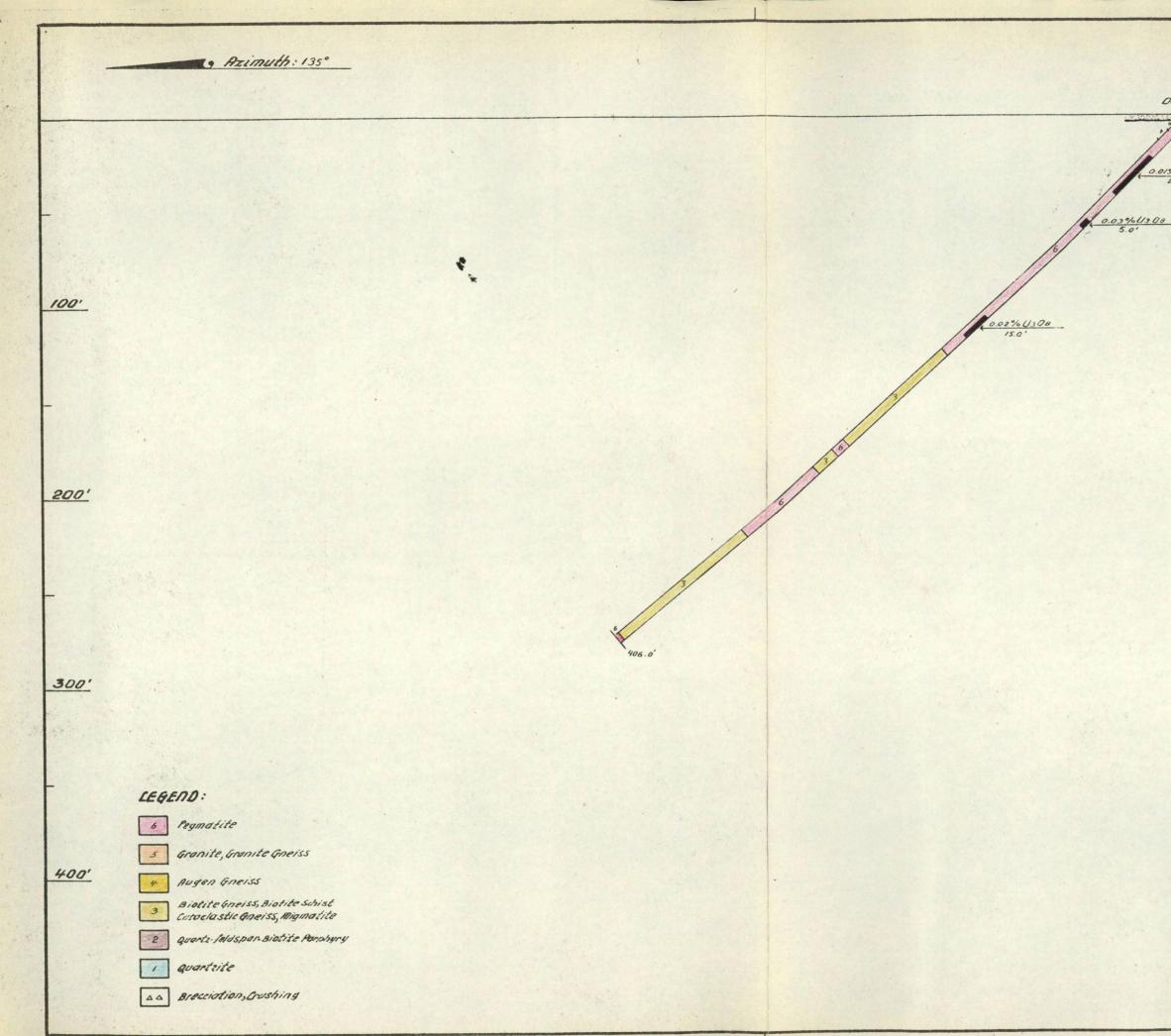
Azimuth: 315° D.H. 68-10 Sur face 0.12% U308 100' 100' 151.0' 40 200' 200' 300' 300' LEGEND: 6 Peymatite Granite, Granite Gneiss 5 400' 400' Augen Gneiss 4 MEINTYRE PORCUPINE MINES LIMITED Biotite Gneiss, Biotite Schist Catoelastic Gneiss, Migmatite NEW SENATOR OPTION Quartz- feldspar Biotite Porphyry 2 SECTION DRILL HOLE 68-10 quartzite 1 Nov., 1968. AA Brecciation, Crushing SCALE : 1" = 50' 19690002



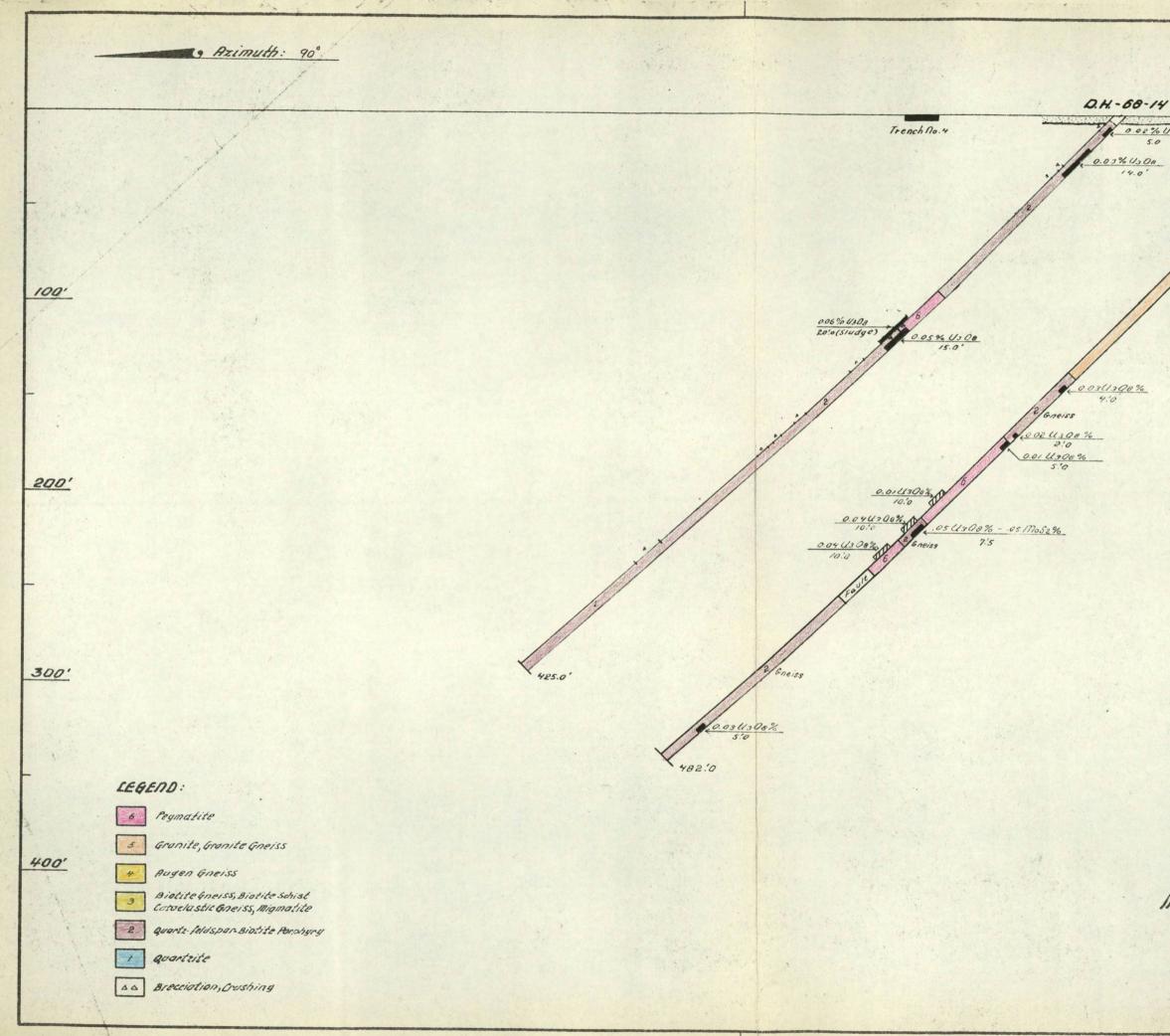
D.H. 68-11 Surface 100' 200' 300' 400' MEINTURE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 68-11 NOV., 1968. SCALE : 1" = 50' 19690002

Azimuth: 113° 1 100' 200' 300' 466.0 LEGEND: 6 Peymatite Granite, Granite Gneiss . 400' Augen Gneiss 4 Biotite Gneiss, Biotite Schist Catoclastic Gneiss, Migmatite Quartz-feldspor Biotite Porphyry 2 quartzite 1 AA Brecciotion, Crushing

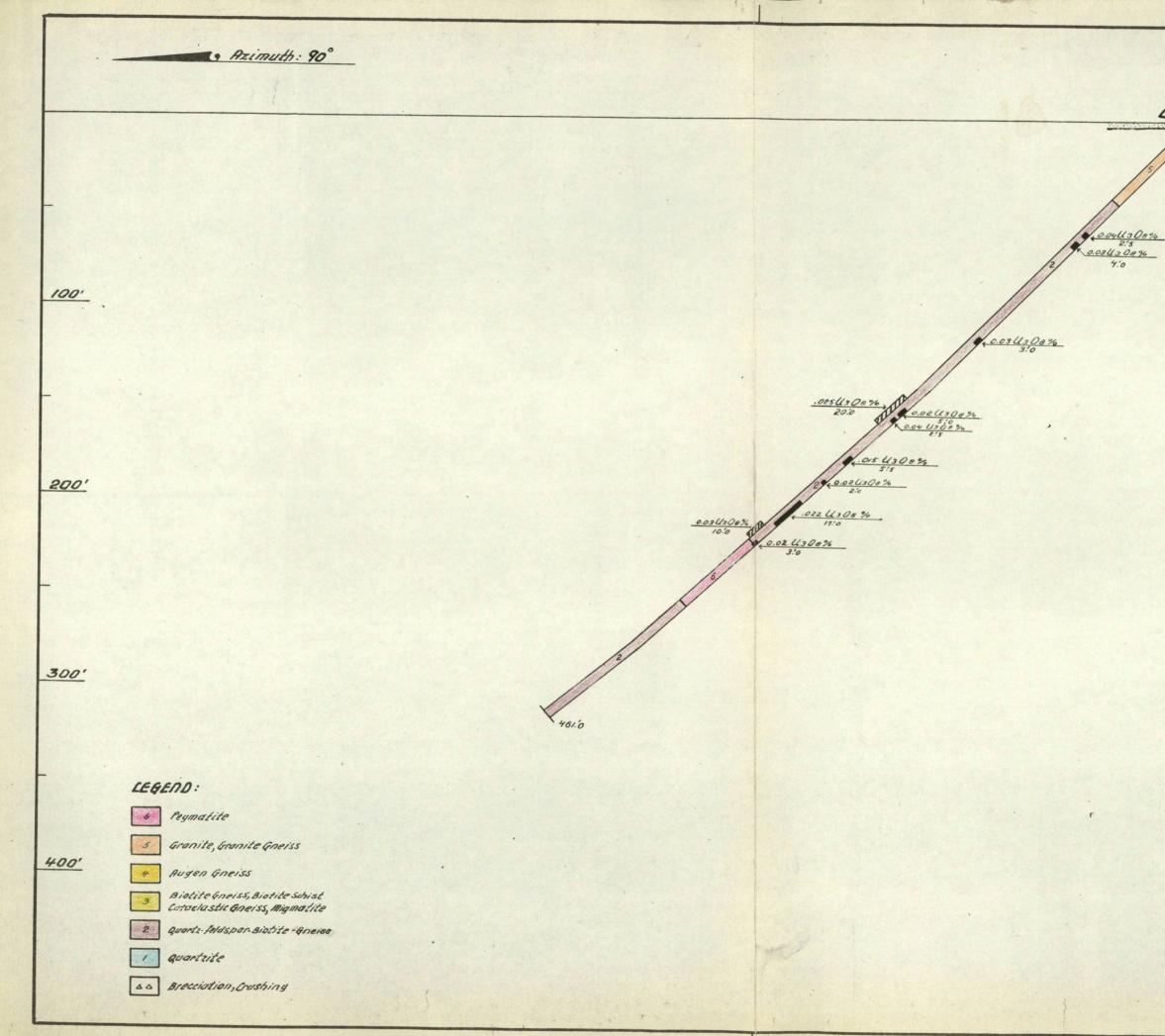




D.H. 68-13 Surface 0.015 % 1308 100' 200' 300 400 MINTYRE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 68-13 Nov., 1968. SCALE : 1" = 50' 19690002



D.H.- 69-1 Surface 0.02% 1308 5.0 03% 1308 14.0 100' 200 300' 400 MEINTURE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE 69-14 Nov., 1969. SCALE : 1"=50' 19690002



Q.H. - 69-2 Surface 100' 200' .300' 400' MEINTURE PORCUPINE MINES LIMITED NEW SENATOR OPTION SECTION DRILL HOLE-69-2 SCALE : 1" = 50' Nov., 1968. 19690002

