



411155E0058 0035 RATHBUN

010

PAGE: 1 of 3

New Augarita Porcupine Mines Limited
DIAMOND DRILL HOLE 84-1

RECEIVED

JAN 18 1985

MINING LANDS SECTION

STARTED: March 25/84

FINISHED: March 28/84

LOCATION: Rathbun Twp.

Claim # S 608355

LATITUDE: L14N

DEPARTURE: 4+10E

BEARING N60W (Az 300°)

ANGLE DIP: -65°

LOGGED BY: *J.C. Archibald*
J.C. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz./t
0	2.0'	CASING- No Core Recovery			
2.0	6.0'	GREYWACKE- Sedimentary rock with carb. fracture filling + odd cubic pyrite crystal diss. throughout, mudseam with banding observed, core broken, fragmented			
6.0	17.0'	Breccia Zone- yellowed, altered, silicified carb. breccia with disseminated py all thro + along fractures, around fragments- core missing, blocky 6-17': 4 feet in trays-sulphide rich section washed out ?	1-1	11' (?)	Tr.
17.0	27.0	Greywacke- grey, f.g., with glassy frags. in f.g. groundmass, core fractured, some banding @ 45° to c.a. (mud flow) from 22 to 27': greywacke with carb. amygdals, fragmented then alters to light silicified, bleached seds, cherty, fractured with py filling (less 2% to 27')	1-2	5.0'	Tr.
27.0	59.0	Breccia Zone- Silicified, altered: upper contact (3') is cherty recrystallized to granitic looking, massive with odd incl. of greywacke (1.5' frag.) then becomes v.f.g., glassy, yellowed with py in matrix from 38 to 46', then blebs of chlorite + fracture filling with chlorite from 46 to 54' spotted look, spericules from 54 to 59' very fragmented, fractured @ 35° to core axis with lower contact @ 45° 27.0-30.0: upper contact	1-3	3.0	Tr.

New Augarita Porcupine Mines Limited
DIAMOND DRILL HOLE 84-1

LOCATION: Rathbun Twp.

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *Jca.*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au Oz.
		33.0-36.0': alteration around fragment of gywk.	1-4	3.0'	.005
		36.0-41.0 : py diss. in matrix (less 2%)	1-5	5.0'	Tr.
		41.0-46.0': " " " "	1-6	5.0'	Tr.
		46.0-50.0': less min., chlorite blebs	1-7	4.0'	Tr.
		50.0-55.0': lower contact of chloritic zone	1-8	5.0'	Nil
		55.0-60.0 : up to 50% py from 57-58', lower contact	1-9	5.0'	Tr.
59.0	331.0	GREYWACKE- fine grained, with odd fracture filled w. carb., odd py cube in matrix: some sections with mudseams and localized slumping, carb.-rich, silicified with diss. py			
		62.0-67.0': diss. py (less 5%), altered greywacke	1-10	5.0'	Tr.
		67.0-72.0': " " " "	1-11	5.0'	Nil
		82.0-84.0': " Py (-20%) in frag. grwke.	1-12	2.0'	Nil
		After 80' fractures contain odd cube py + carb., hairline fractures + odd pebble suspended in groundmass			
		122-123.0': Bleached, with diss. py along fract.	1-13	1.0'	Nil
		171-172': bleached, brecciated w. py+hem., rusty yellowed	1-14	1.0'	Nil
		182-183: ¼" carb. vein with pyrite @ 10° to c.a.	1-15	1.0'	Tr.
		After 200' odd carb. fracture filling, rusty @ 30-50° to c.a., odd bleb or cube py susp. in seds., + odd pebble up to 1½" susp. in groundmass, observed py around rims, bleaching, and higher py content in granitic-like pebbles			
		222-223': diss. py along carb. fractures (¼") + in pebbles	1-16	1.0'	Nil
		283.5-285.0': sulphides in fine fractures (1/16")	1-17	1.5'	Nil

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-1

LOCATION: Rathbun Twp.

LATITUDE:

DEPARTURE:

BEARING:

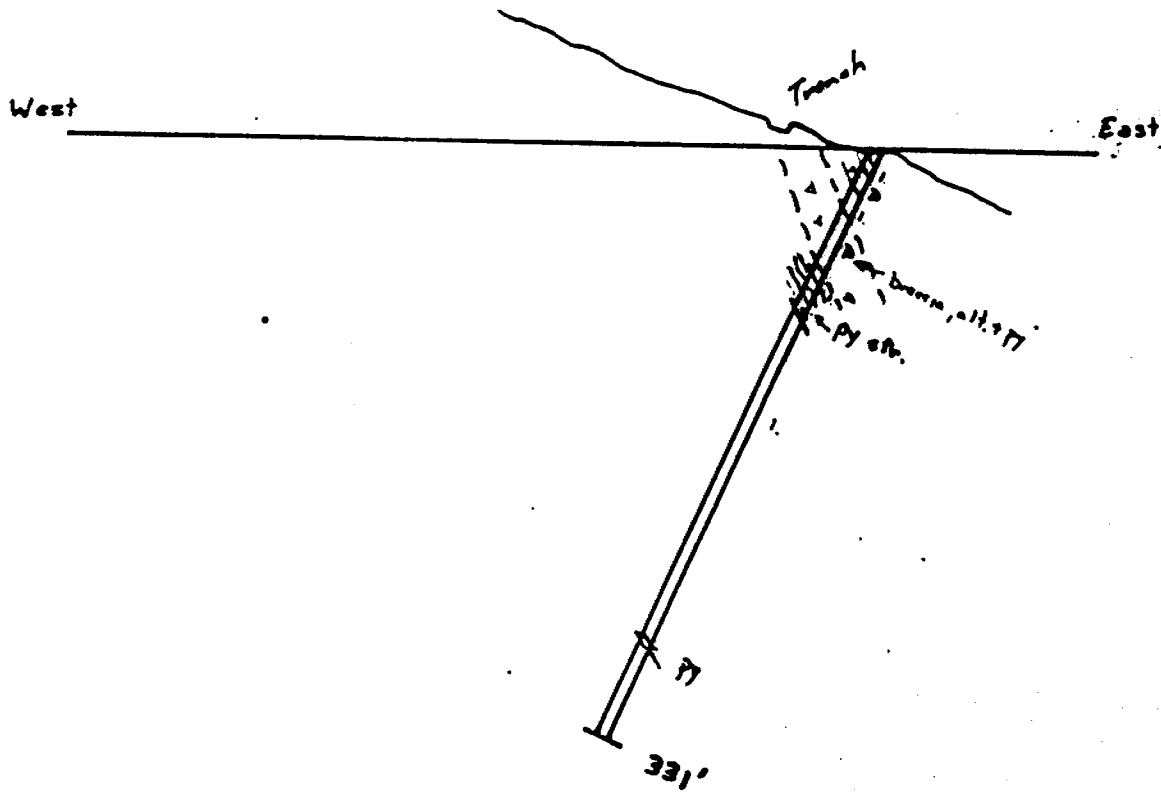
ANGLE DIP:

STARTED:

FINISHED:

LOGGED BY: *Ja*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH		
		297-298.0': brecciated greywacke with sil.granitic filling + diss. py	1-18	1.0'	Nil	
		312-317.0': py in fractures 1/8" @ 30° to c.a. @ 312.5, 315.5 + brecc. core from 315-317'w. carb. and py in fractures	1-19	5.0'	Nil	
		After 290' core is greywacke with larger pebbles susp. in groundmass (up to 1.5") often pebbles are sulph. rich or rimmed by py, cubes py all thro core (less 1%) with fine fractures filled w. carb., bleached				
		Sample of Splitting rejects:	1-20		Tr.	
	331.0	END OF HOLE Test @ 332' was -70°				



DH 84-1

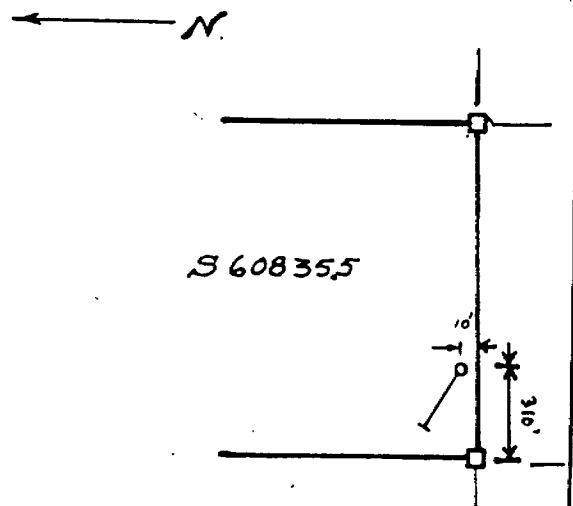
**New Augarita Porcupine Mine
Rathbun Twp.**

Scale

1 in. = 100 ft.

LEGEND

- 1 - Sediments: greywacke, qtz. arenites, arkoses
- 2 - Quartz Gabbro intrusive
- 3 - qtz.-carb. Breccia-diatrem
- mineralization



LOCATION
PLAN

[Handwritten signature]

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-2

STARTED April/84

FINISHED: April/84

LOCATION: Rathbun Twp. Claim #S608354
 N.E. Crystal vein LATITUDE: See loc. plan DEPARTURE:

BEARING:
 ANGLE DIP: vert.
 No Test Taken

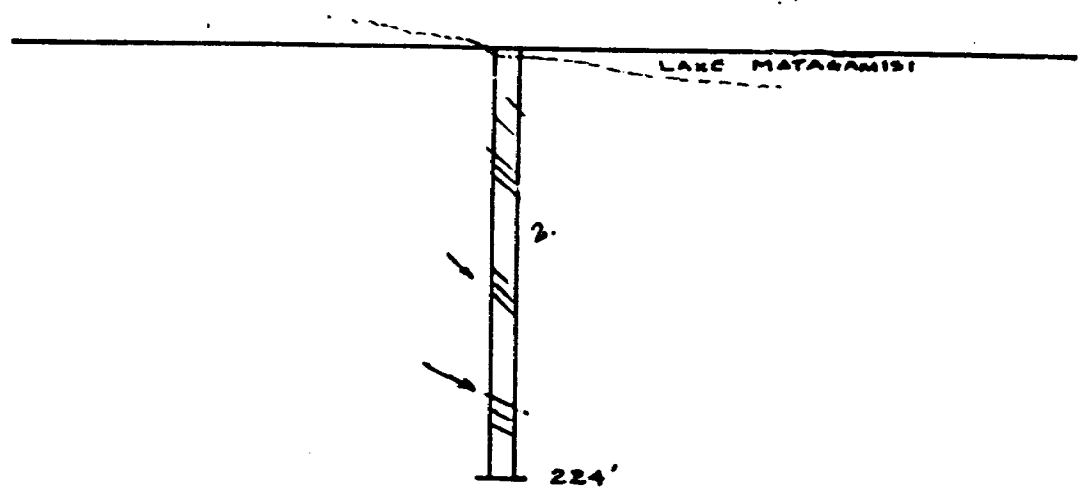
LOGGED BY: J.C. Archibald

JCA

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH			
0	6.0'	CASING- No Core Recovery					
6.0	224.0'	GABBRO- Intrusive sill(?), massive, c.grained with odd fracture filled with carbonate, odd band of mafic rich material (biotite-amphibolite) @ all angles to c.a. - After 45' gets finer grained, less felsic material in groundmass (darker) with odd lense of qtz. @ mainly 45° to c.axis (ie. @ 53' (1"), 54' (1/8"), 64' (1/8") - At 68' inclusion of sedimentary rock (3" @ 45° to c.a.) " 70' " " " (2" @ 30° to c.a.) - After 80' more felsic rich sections/segregation of gabbro minerals- alt.? 90'-91.5': odd grain py in felsic rich section 96'-98': odd cube py dissem. in qtz stringer @ 97.5' @ 45° to c.a. From 115' to 118' increased fracturing with carb.-chlorite filling @ 45-60° to c.a., not mineralized 175-176.5: cubic py in qtz.-carb. stringers @ 176' (1" wide @ 45° to c.a.) less 1% 181-182': qtz.-carb. stringers @ 70° to c.a.-re-crystallized, c.g. with chlorite schist on wall 223.-224.0': 1/4" qtz. vein with carb. alt. along walls, no min.					
			2-1	1.5	Nil		
			2-2	1.5	Nil		
			2-3	1.5'	Tr.		
			2-4	1.0'	Nil		
			2-5	1.0'	Nil		
224.0 .		END OF HOLE No Test Taken					

31

East

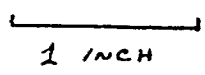


DH 84-2

New Augarita Porcupine Mines Rathbun Twp.

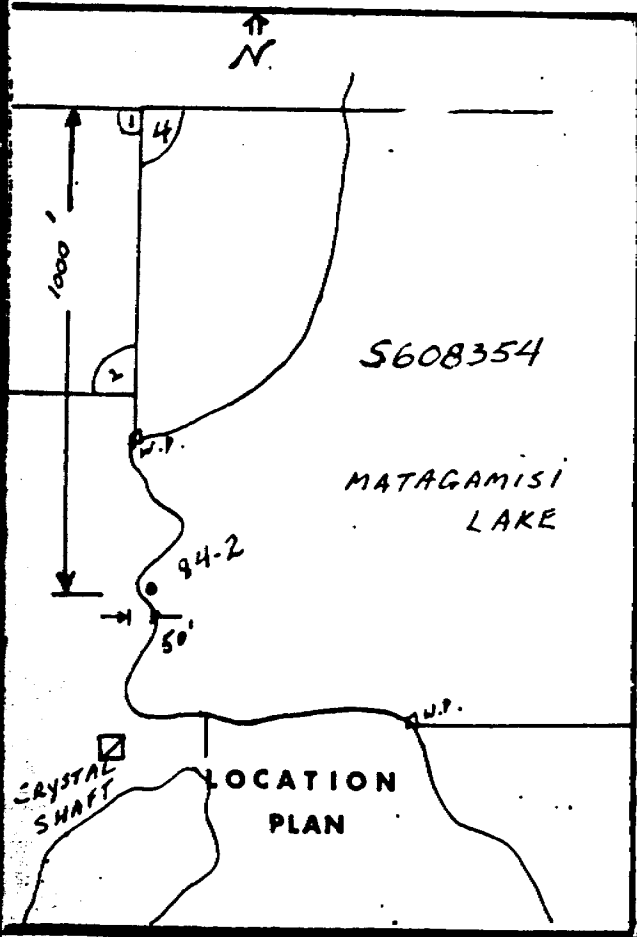
Scale

1 in. = 100 ft.

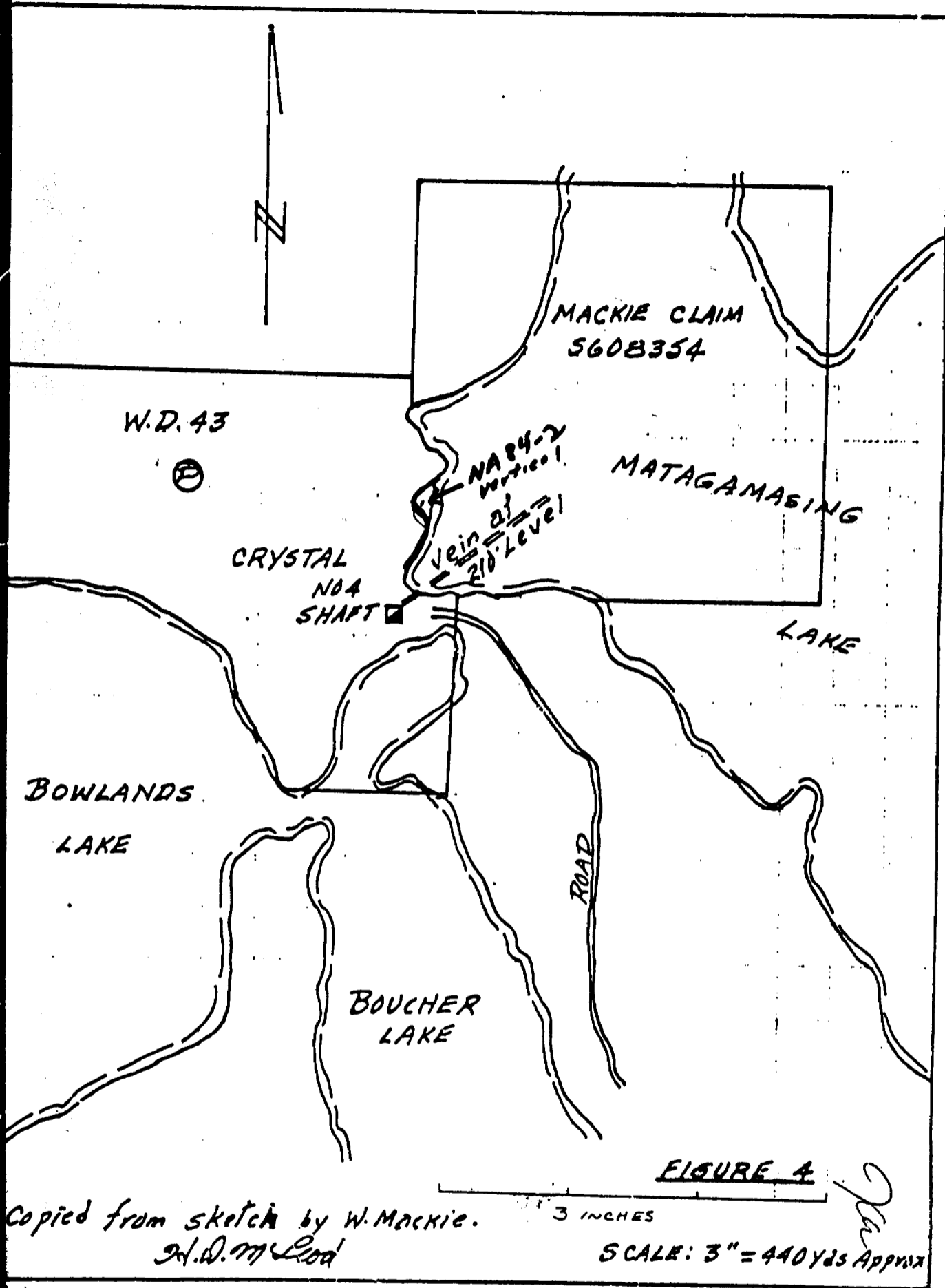


LEGEND

- 1 - Sediments: greywacke, qtz. arenites, arkoses
- 2 - Quartz Gabbro intrusive
- 3 - qtz.-carb. Breccia-diatreme
- mineralization



gca



Copied from sketch by W. Mackie.
 W.D. M. God

3 INCHES

SCALE: 3" = 440 Yds APPROX

FIGURE 4

PAGE: 1 of 4 New Augarita Porcupine Mines Limited
DIAMOND DRILL HOLE 84 - 3

STARTED: April 2, 1984

FINISHED: May 6, 1984

LOCATION: RATHBUN TWP.
 SUDBURY AREA

LATITUDE: L 14+50 N
 DEPARTURE: 3+50 E
 Claim # 608355

BEARING: Az -260°
 ANGLE DIP: -45° @ start
 -53° @ 592.0'

LOGGED BY: JC Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton	Ni %	Pt. oz./t
0	7.0	CASING - No core recovered - Sludge sample taken of weathered sulphides	3-1	5.0'7	.14	.08	.002
7.0	8.0	SEDIMENTS - brecciated, fragmented with bleaching along fractures, poorly mineralized	3-2	1.0	.005	.02	.002
8.0	14.0	SULPHIDE ZONE - massive to infilled around sulphide fragments 8.0 - 10.0, pyrite, pyrrhotite breccia, clean sulphides filled around sulphide fragments up to 1-1/2" in size - up to 90% sulphides. 7.0 - 10.0 Sample 10.0 - 14.0, evenly distributed massive pyrite-pyrrhotite up to 80% of core content. Contact with sediments (silicified) at 45° to core axis	3-3	3.0	.09	.08	.003
			3-4	4.0	.02	.05	.005
14.0	29.0	SEDIMENTS - brecciated grey wacke, siliceous, with fractures filled with sulphides and carbonate, grey, homogenous with odd pebble, jointing at vertical to 80° West, bedding at 60° East to vertical. 14.0 - 18.0, stringers of pyrite, pyrr. in sediments 18.0 - 24.0, " " " " approximately 1% 24.0 - 29.0, stringers of " " " "	3-5	4.0	Tr.		
			3-6	6.0	Tr.		
			3-7	5.0	Tr.		

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84 - 3LOCATION: RATHBUN TWP.
SUDBURY AREALATITUDE:
DEPARTURE:BEARING:
ANGLE DIP:STARTED:
FINISHED:
LOGGED BY: *Jca*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton		
29.0'	592.0'	SEDIMENTS - silicified, altered (possible carbonate-rich, yellow, bleached colour) with felsic to magnetite euhedral crystal (replaced and disintegrated) chlorite filling and pyrite blebs and lenses after 50'					
		29.0 - 34.0, altered carbonate breccia up to 2% py, po	3-8	5.0	Nil		
		34.0 - 39.0, " " " "	3-9	5.0	Tr.		
		39.0 - 44.0, " " " "	3-10	5.0	Nil		
		44.0 - 49.0, " " " "	3-11	5.0	Nil		
		49.0 - 54.0, pyrite-pyrrhotite, up to 25% of core, as stringers and disseminated all through	3-12	5.0	Tr.		
		54.0 - 59.0, as above	3-13	5.0	Tr.		
		59.0 - 64.0, " " "	3-14	5.0	.01		
		From 50.0 - 64.0, increased pyrite/pyrrhotite stringers (up to 1/2" wide) approx. 25% of core at 65-90° to core axis, darker, less altered, observed offset of 1" along vertical jointing of sulphide lenses. After 64.0 grades into dark grey greywacke/conglomerate with carbonate filled fractures and joints (hairline to 1/4") with alteration/bleaching along fractures, marbling effect of sediments due to slumping/mud seams. Sediments cut core @ 45° to C.A. (approx. 75°-90° to East); jointing cuts core @ 20°-30° (approx. 90°-75° to West).					
		64.0 - 69.0, footwall of breccia zone, odd speck	3-15	5.0	Nil		

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-3LOCATION: RATHBUN TWP.
SUDBURY AREALATITUDE:
DEPARTURE:BEARING:
ANGLE DIP:STARTED:
FINISHED:
LOGGED BY: *Jla*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au Oz./ton
		From 130 to 148' greywacke becomes f.g., crystalline to qtz. rich (qtz. arenitic) with odd pebble susp. in mass: no bedding observed: pebbles often min. 144-146.5': ¼" carb. stringer + carb. in fractures + diss. py over 6" @ 145.5'	3-16	2.5'	Nil
		After 150.0', core is generally grey, crystalline greywacke with odd pebble suspended in matrix of massive wacke: odd carbonate rich fracture and joint filling at flat angle to core axis (30°) with marbled mud-flows and sedimentary contacts at 75° to 90° to core axis; carbonate rich vein @ 20° to core axis, alteration and bleached wall rock. <u>SAMPLE: 276.0' - 278.0'</u>	84-3-20	2.0'	.002
		From 318.0 - 425.0', lighter grey, blocky with carb. fracture filling increased from 364.0 to 373.0'			
		From 425.0 - 502.0', darker grey, mildly brecciated with disseminated pebbles all through, fractures filled with carbonate but poorly mineralized at 30° to 60° to C.A., blocky from 430' to 440'			
		From 502.0 - 519.0', increasingly brecciated with fracturing at 45° to core axis.			

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 4 of 4

DIAMOND DRILL HOLE 84-3

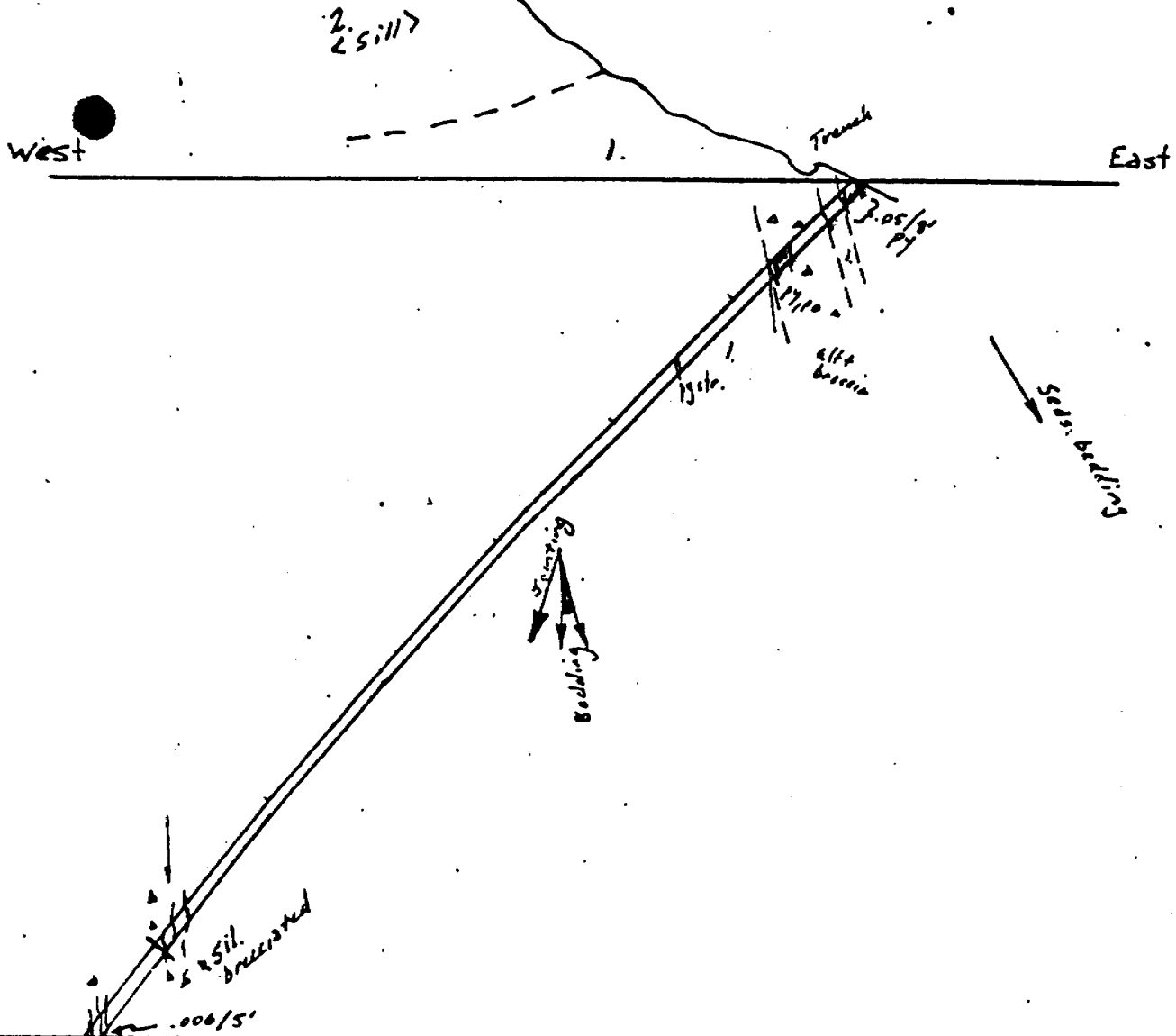
LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *Jca*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton			
		From 519.0 - 538.0', dark grey wacke, then grades into lighter bleached sediments.						
		From 538.0 - 592.0', lighter grey, bleached, altered sediments with increased fracturing and carb. filling to 592.0' - siliceous with quartz banding over 2 - 3' sections at 45° to C. A., increased brecciation with quartz filling after 580.0' and localized offsetting of fractures.						
		<u>SAMPLE : 558.0-563.0'</u>	84-3-30	5.0'	<.001			
		<u>SAMPLE: 563.0 - 565.5'</u>	84-3-21	2.5'	.004			
		quartz carb. breccia. : 565.5- 570.0'	84-3-31	4.5'	<.001			
		<u>SAMPLE: 578.0 - 582.0'</u>	84-3-22	4.0'	.008			
		quartz carb. breccia in silicified sediments and 2% fine disseminated pyrite.						
		<u>SAMPLE: 583.0 - 588.0'</u>	84-3-23	5.0	.004			
		silicified sediments, brecciated.						
		<u>SAMPLE: 588.0 - 592.0'</u>	84-3-24	5.0	.003			
		silicified altered sediments with carbonate micro fractures.						
		<u>END OF HOLE</u>						
	592.0'	Test @ 592' was -53°						
		<u>Additional Samples:</u>						
		570.0- 575.0'-	84-3-32	5.0'	<.001			
		575.0 - 578.0'-	84-3-33	3.0'	<.001			



DH 84-3

New Augarita Porcupine Mines Rathbun Twp.

Scale

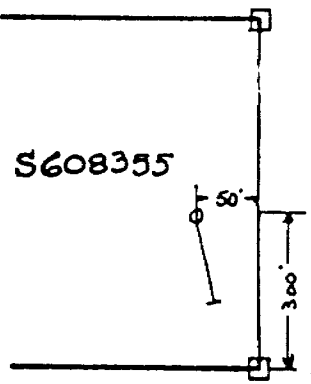
1 in. = 100 ft. 1 INCH

LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

Handwritten signature

S608355



New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 1 of 2

EXTENSION OF DIAMOND DRILL HOLE 84-3

STARTED: June 15, 1984

FINISHED: June 16, 1984

LOGGED BY: *J.C. Archibald*

LOCATION: Claim # 608355

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
592.0'	690.0'	<p>From 592.0 to 612.0', core is silicified, altered Gowganda Sediment mudflows up to 90% quartz by volume, brecciated in places with quartz-carbonate filling and odd disseminated pyrite bleb all through, fractures at 45° to c.a., flows at 70° to c.a.</p> <p>592.0 - 597.0': up to 90% quartz with carb-chlorite fracture filling at 45° to c.a. -2% pyrite. <u>SAMPLE</u></p> <p>597.0 - 602.0': altered, dark blue staining along fractures. <u>SAMPLE</u></p> <p>602.0 - 607.0': same as above <u>SAMPLE</u></p> <p>607.0 - 610.5': " " <u>SAMPLE</u></p> <p>610.5 - 612.0': " " <u>SAMPLE</u></p> <p>From 612.0 to 649.0', darker grey sediments with pyrite along slips/fractures, fine-grained crystalline sediment bedding at 45° to c.a.</p>	84-3-43	5.0'	.001
			84-3-44	5.0'	<.001
			84-3-45	5.0'	<.001
			84-3-46	3.5'	<.001
			84-3-47	1.5'	<.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 2 of 2

EXTENSION OF DIAMOND DRILL HOLE 84-3

LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED: June/84
LOGGED BY: J.C. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		626.0 - 631.0', test sample of carbonate fracture filling	<u>SAMPLE</u> 625-630 84-3-48	5.0'	<.001
			<u>SAMPLE</u> 633-638' 84-3-35	5.0'	<.001
			<u>SAMPLE</u> 638-643' 84-3-36	5.0'	.003
		From 649.0 to 669.0', Siliceous Breccia Zone, up to 90% quartz content with pyrite/ pyrrhotite in fractures, seams up to 70% by content.	<u>SAMPLE</u> 643-648' 84-3-37	5.0'	<.001
		649.0 - 654.0':	<u>SAMPLE</u> 84-3-38	5.0'	.006
		654.0 - 659.0':	<u>SAMPLE</u> 84-3-39	5.0'	.001
		659.0 - 664.0':	<u>SAMPLE</u> 84-3-40	5.0'	.004
		664.0 - 669.0':	<u>SAMPLE</u> 84-3-41	5.0'	<.001
		From 669.0 to 690.0', odd carbonate filled fracture in dark grey, unaltered sediments bedding at 45° to c.a.	<u>SAMPLE</u> : 668-673" 84-3-42	5.0'	<.001
			<u>SAMPLE</u> : 673-678' 84-3-49	5.0'	<.001
690.0'		END OF HOLE (No Acid Test done)			

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-4LOCATION: RATHBUN TWP.
Claim 608355

LATITUDE: L 16 N

DEPARTURE: 4+45 E

BEARING: Az 255°

ANGLE DIP: -47°

Test @ 324' was -55°

STARTED: May 9/84

FINISHED: May 12/84

LOGGED BY:
J. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	7.0'	CASING - No core recovered			
7.0'	324.0'	GREYWACKE-SEDIMENTARY ROCKS OF GOWGANDA FORMATION - mainly massive wackes			
		From - 7.0 - 10.0' ground very blocky, fragmented with quartz-carbonate filling in brecciated greywacke	Sample: 7.0 to 12.0' 84-4-1	5.0'	<.001
		From - 14.0 - 20.0' sediments were altered, bleached to buff yellow colour with pyrite filling fractures	Sample: 12.0 - 17.0' 84-4-2	5.0'	<.001
			Sample: 17.0 - 22.0' 84-4-3	5.0'	.001
		From 30.0 to 40.0' sediments are altered, brec- ciated with quartz-carbonate and pyrite filling fractures @ 45° to core axis, Mineralized	Sample: 31.0 - 35.0' 84-4-4	4.0'	.002
		Mineralized	Sample: 35.0 - 40.0' 84-4-5	5.0'	<.001
		Less carbonate fracture filling after 45.0' and grades into dark grey unaltered sedi- ments after 60.0'	Sample: 57.0 - 63.0' 84-4-18	7.0'	<.001
		Mineralized from 63.0 to 64.0'	Sample: 63-64 84-4-6	1.0'	.008

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-4

LOCATION: RATHBUN TWP.

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY *JCA*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
			<u>Sample:</u> 67.0 - 70.0'	84-4-19	3.0' <.001
			70.0 - 72.5	84-4-20	2.5' <.001
			<u>Sample:</u> 72.5 - 74.0'	84-4-7	2.5' <.001
			: 79.0 - 84.0'	84-4-21	5.0' <.001
		Mineralized from 72.5 to 74.0' ; 84.0-89.0'	84-4-22	5.0'	<.001
From	84.0 - 112.0'	core has many carbonate rich micro-fractures at all directions but mainly at 60° to core axis.			
From	112.0 - 148.0'	grades into good Gowganda sediments with pebbles in dark grey crystalline matrix up to 1" in size - unsorted, massive			
			<u>Sample:</u> 145.0-150.0'	84-4-23	5.0' <.001
			: 150.0-153.0'	84-4-24	3.0' <.001
After	148.0'	sediments become more brecciated, bleached along fractures, with carbonate and pyrite filling @ mainly 45° to core axis			
			<u>Sample:</u> 153.0 - 157.0'	84-4-8	4.0' <.001
At	153.5',	1/16" vein			
		pyrite mineralized			
			<u>SAMPLE:</u> 157.0 - 158.0	84-4-9	1.0' .001
			158.0- 161.0'	84-4-26	3.0' .001

PAGE: 3 of 4 **New Augarita Porcupine Mines Limited**
DIAMOND DRILL HOLE 84-4

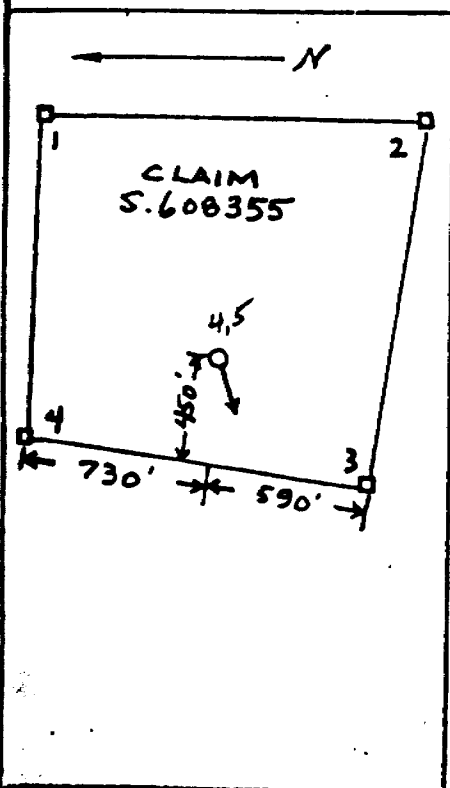
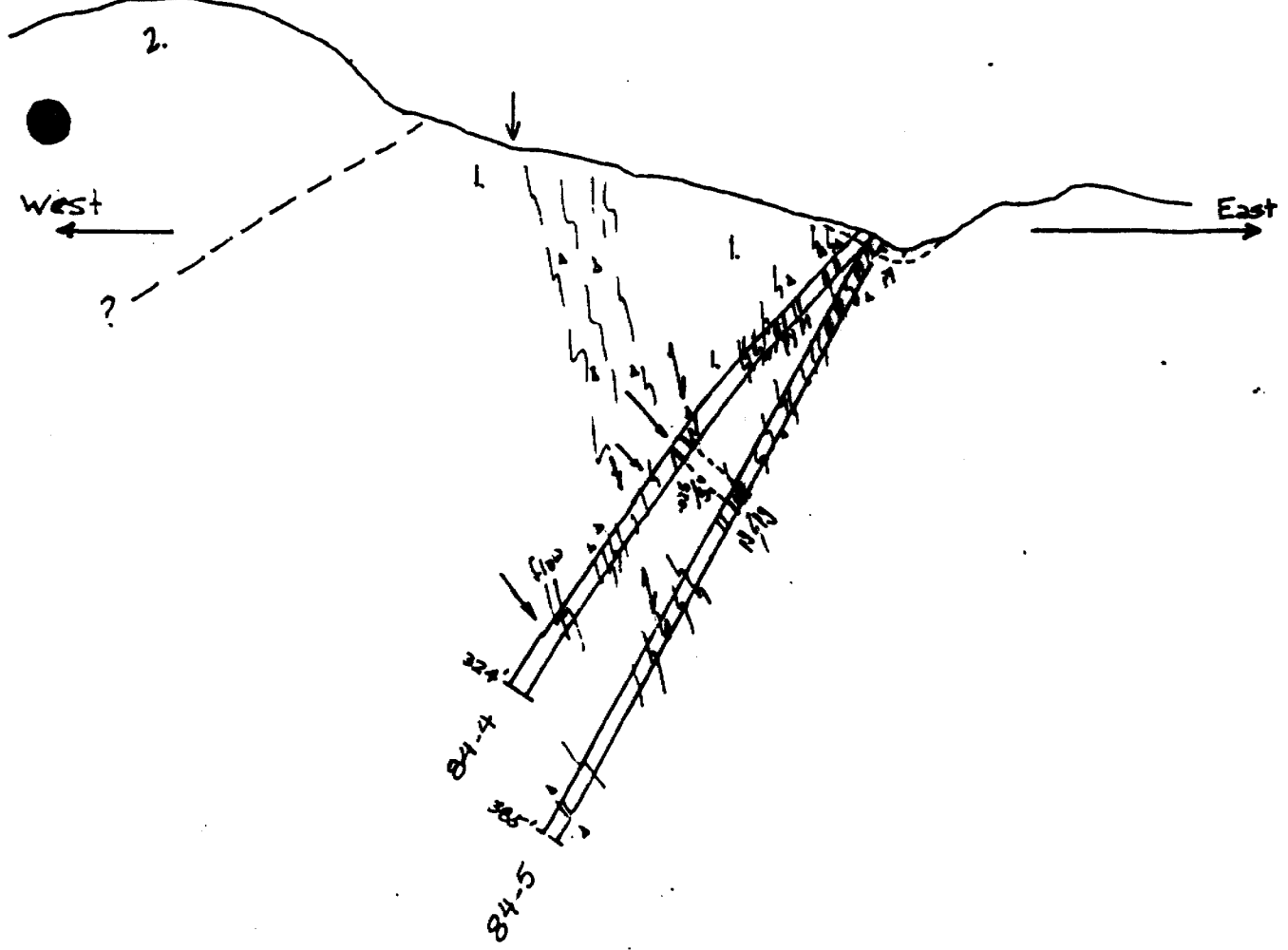
LOCATION: RATHBUN TWP. LATITUDE: BEARING: STARTED:
 DEPARTURE: ANGLE DIP: FINISHED:
 LOGGED BY: *JCS*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		From 161.0 - 172.0' good pyrite filling in sharply fragmented, brecciated sediments from 161.0 - 171.0', up to 30% pyrite content @ 90° to C.A.			
		<u>SAMPLE: 161.0 - 166.0'</u> 84-4-10	84-4-10	5.0'	.025
		<u>SAMPLE: 166.0 - 171.0'</u> 84-4-11	84-4-11	5.0'	.001
		AFTER 172.0' many carbonate filled fractures @ 45° to core axis			
		<u>SAMPLE: 171.0 - 175.0'</u> 84-4-12	84-4-12	4.0'	.001
		pyrite mineralized along fractures up to 1/16" wide - 2%			
		<u>SAMPLE: 175.0 - 180.0'</u> 84-4-13	84-4-13	5.0'	.002
		altered carbonated, bleached greywacke			
		From 182.5 - 184.0', @ 194.0', @ 206.0 - 209.0' brecciated, bleached sediments, joints and fracture filling @ 45° to core axis with contact of sediments @ 90° to core axis			
		<u>SAMPLE: 180.0 - 185.0'</u> 84-4-14	84-4-14	5.0'	<.001
		<u>SAMPLE: 205.0 - 209.0'</u> 84-4-15	84-4-15	4.0'	<.001

DIAMOND DRILL HOLE 84-4

LOCATION: RATHBUN TWP. LATITUDE: BEARING: STARTED:
 DEPARTURE: ANGLE DIP: FINISHED:
 LOGGED BY: *Ja*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		From 214.0 - 253.0' core is brecciated with carbonate filling along micro-fractures at all angles (but main direction is 45° to C.A.) After 240.0' large pebbles up to 3"			
		<u>SAMPLE: 215.0 - 219.0'</u> 84-4-16		4.0'	.001
		<u>SAMPLE: 251.0 - 253.0'</u> 84-4-17		2.0'	.001
		carbonate fracture filling @ 10° to core axis			
		After 253.0' carbonate rich flow banded sediments (doleritic?) @ 30 to 45° to core axis, with contact @ 70 to 90° to core axis. Alteration and bleaching along fractures, slips, with minor pyrite disseminated or in blebs.			
	324.0	END OF HOLE - 17 boxes of core			
		Acid test was -55°			

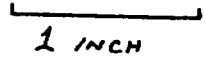


DH 84-4,5

New Augarita Porcupine Mines Rathbun Twp.

Scale

1 in. = 100 ft.



LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

PAGE: 1 of 4 **New Augarita Porcupine Mines Limited**
DIAMOND DRILL HOLE 84-5

STARTED: May 13, 1984
 FINISHED: May 16, 1984

LOCATION: RATHBUN TWP.
 Claim 608355

LATITUDE: L 16 N
 DEPARTURE: 4+45 E

BEARING: Az 255°
 ANGLE DIP:
 @ 385' was -60° 360°

LOGGED BY: *J. C. Archibald*
 J. C. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	9.0'	CASING - No core recovered			
9.0	385.0'	GREYWACKE - GOWGANDA SEDIMENTS, brecciated, altered, bleached and carbonated in places with pyrite-pyrrhotite filling fractures at all angles			
		From 10.0 - 36.0' altered, yellowed sediments, brecciated with blebs and disseminated pyrite along fractures, and large euhedral crystals of carbonate-hematitic material with broken core 9.0 - 12.0', 107.5 - 150.0', up to 3% pyrrhotite-pyrite and fracturing. mainly at 10 to 40° to core axis			
		SAMPLE: 9.0 - 14.0'	84-5-1	5.0'	.003
		approximately 2% pyrite.			
		SAMPLE: 14.0 - 19.0'	84-5-2	5.0'	<.001
		poorly mineralized, less brecciated.			
		SAMPLE: 19.0 - 24.0'	84-5-3	5.0'	<.001
		increased alteration with pyrite filling from 20.0 - 29.0'			

PAGE: 2 of 4 **New Augarita Porcupine Mines Limited**
DIAMOND DRILL HOLE 84-5

LOCATION: RATHBUN TWP. LATITUDE: BEARING: STARTED:
 DEPARTURE: ANGLE DIP: FINISHED:
 LOGGED BY: *[Signature]*

ROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
			<u>SAMPLE: 24.0 - 29.0'</u> 84-5-4	5.0'	<.001
		up to 3% pyrrhotite-pyrite.			
			<u>SAMPLE: 29.0 - 34.0'</u> 84-5-5	5.0'	.002
			<u>SAMPLE: 34.0 - 36.0'</u> 84-5-6	2.0'	.001
	After	36.0' grades into dark grey crystalline wacke with large pebbles up to 3", altered and bleached along fractures at 30° to core axis.			
	From	48.5 - 57.0' bleached section of sediments with pebbles then grades into darker grey wacke with increased carbonate fracture filling at 30° to core axis.			
	After	68.0 - 93.0' increased microfracturing with carbonate filling at all angles.			
	From	102.0 - 150.0' increased fracturing, fragmented core with bleached altered sections at 128.0 - 131.0' and 148.0 - 160.0'.			
			<u>SAMPLE: 128.0 - 131.0'</u> 5-7	3.0'	.001
			150.0 - 155.5' 84-5		

New Angarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-5

LOCATION: RATHBUN TWP.

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

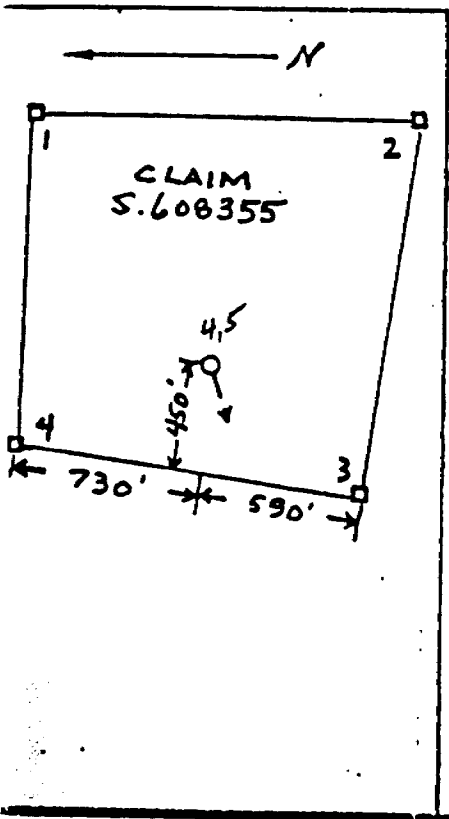
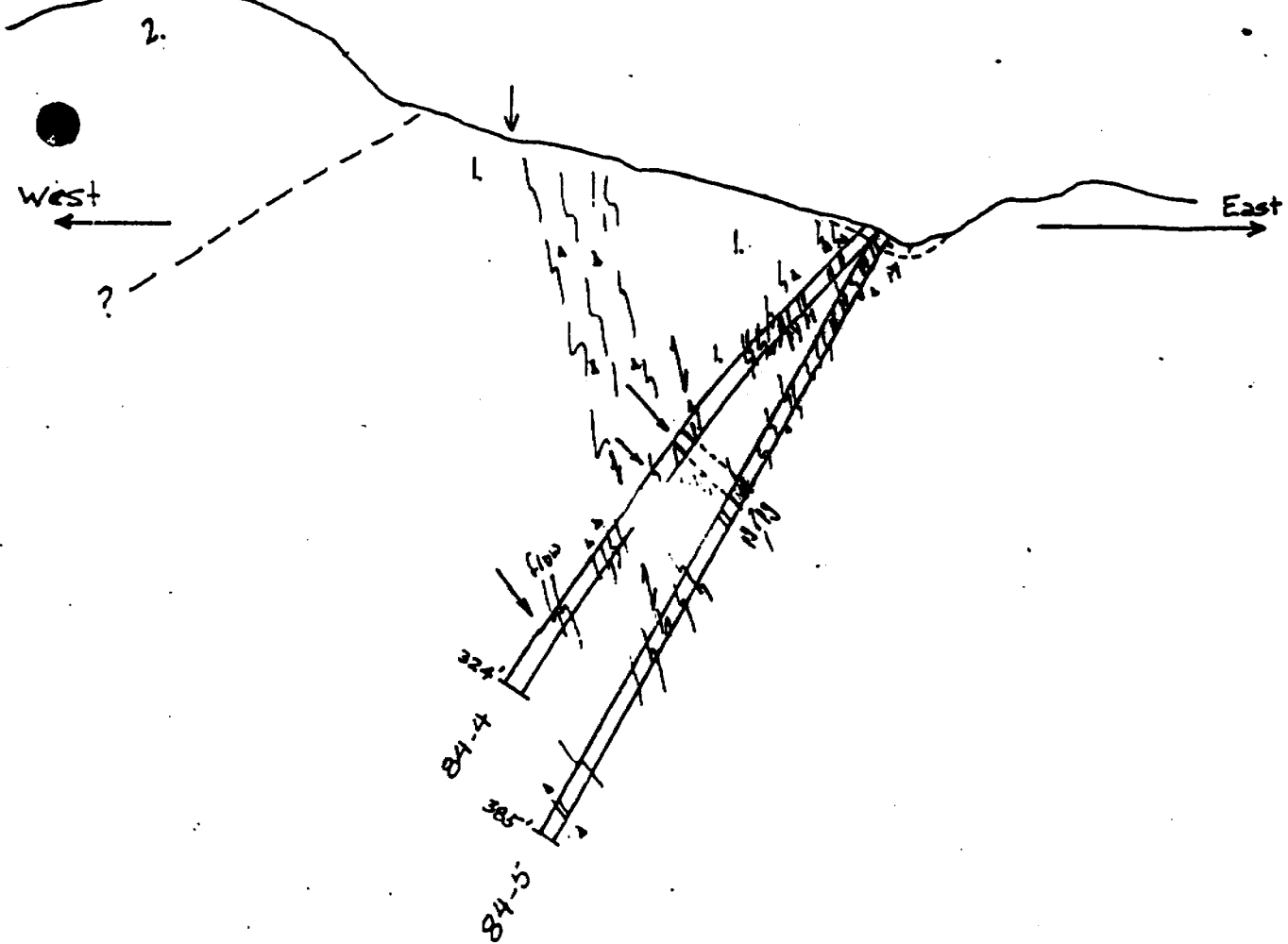
STARTED:
FINISHED:
LOGGED BY: *Jca*

IM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		From 160.0 - 173.0' mineralized, altered brecciated section with bands of pyrrhotite-pyrite at 60 - 90° C.A., up to 25% sulphides.	84-5-17	5.0'	.001
		<u>SAMPLE: 150.0 - 155.0'</u>	84-5-17	5.0'	.001
		<u>SAMPLE: 155-160.0'</u>	84-5-18	5.0'	.003
		<u>SAMPLE: 160.0 - 165.0'</u>	84-5-8	5.0'	.019
		<u>SAMPLE: 165.0 - 170.0'</u>	84-5-9	5.0'	.046
		<u>SAMPLE: 170.0 - 173.0'</u>	84-5-10	3.0'	.004
		173-178';	84-5-19	5.0'	<.001
		178-183';	84-5-20	5.0'	
		<u>SAMPLE: 183.0 - 186.0'</u>	84-5-11	3.0'	.002
		186-190;	84-5-21	4.0'	
		From 183.0 - 186.0' few bands of pyrite cutting core at 80° to core axis - 184.0' (1/8"), @ 185.0' (1/8")			
		<u>SAMPLE: 231.0 - 234.0'</u>	84-5-12	3.0'	.002
		From 231.0 - 234.0' brecciated mud flow section with 3" band chlorite @ 80° to core axis and flows @ 30 to 80° to core axis.			
		After 234.0' core grades into massive wacke with carbonate filled fractures at 45 to 60° with bleaching around odd pebble, fragments.			

PAGE: 4 of 4 **New Augarita Porcupine Mines Limited**
DIAMOND DRILL HOLE 84-5

LOCATION: RATHBUN TWP. LATITUDE: BEARING: STARTED:
 DEPARTURE: ANGLE DIP: FINISHED:
 LOGGED BY: *JL*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	AU oz/ton
		After 340.0', carbonate fracture filling at 70° to core axis with less bleaching and alteration, more massive greywacke.			
		<u>SAMPLE: 369.0 - 371.0'</u>	84-5-13	2.0'	<.001
		From 369.0 - 371.0', brecciated with carbonate filled microfractures and 6" of aplite at 361.5'.			
		<u>SAMPLE: 378.0 - 383.0'</u>	84-5-14	5.0'	<.001
		From 378.0 - 383.0', fracturing at 45 to 80° to core axis.			
		<u>Additional Samples:</u>			
385.0'	END OF HOLE.	<u>Sample: 49-51.0'</u> : altered, bleached, seds. with py in fractures	84-5-15	2.0'	<.001
		<u>Sample: 65-66.0'</u> : breccia with carb. filling, odd speck py	84-5-16	1.0'	.001



DH 84-4,5

New Augarita Porcupine Mines Nathun Twp.

Scale

1 in. = 100 ft. 1 INCH

LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

Handwritten signature

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-6

STARTED: May 17, 1984

FINISHED: May 20, 1984

LOCATION: RATHBUN TWP.
Claim 608355LATITUDE: L 15 N
DEPARTURE: 4+50 EBEARING: Az 240
ANGLE DIP: -45°
@ 285' was -50°

LOGGED BY: J. C. Archibald

OM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH			
0.0	12.0'	CASING - No core recovered					
12.0	299.0'	GREYWACKE SEDIMENTS composed of massive, dark grey wackes					
		From 18.0 - 38.0' light coloured, bleached sediments, marbled mud flows ?, carbonated, altered					
		From 38.0 - 78.0' brecciated with carbonate replace- ment, felsic crystals ?, hematitic staining and zonation especially from 52 to 60'; observed odd lense, bleb of pyrite from 37.0 - 64.0' then lot of pyrite disseminated in fractures and seams within mud flows, chlorite and carbonate filling. 12.0 - 14.0' 84-6-					
		altered, marbled section	SAMPLE: 14.0 - 19.0' 84-6-1	2.0' 5.0'		.010	
			19.0 - 23.0' 84-6-	4.0'			
		SAMPLE: 38.0 - 43.0' 84-6-2		5.0'		.001	
		-2% pyrite in lenses					
		SAMPLE: 52.0 - 55.0' 84-6-3		3.0'		.001	
		hematite stained, altered sediments					
		SAMPLE: 64.0 - 68.0' 84-6-4		4.0'		.001	
		good mineralized breccia zone					

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-6

LOCATION: RATHBUN TWP.

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *Jca*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton	
			<u>SAMPLE: 68.0 - 74.0'</u>	84-6-5	6.0'	.001
			<u>SAMPLE: 74.0 - 78.0'</u>	84-6-6	4.0'	<.001
From	78.0 - 93.0'	grades into fairly lamina'ed mud flows @ 70° to C.A. with odd carbonate filled fracture.				
From	93.0 - 115.0'	grades into darker grey massive crystalline sediments, increasingly brecciated with carbonate filling, mud flows @ 80° to C.A.				
		<u>SAMPLE: 100.0 - 103.0'</u>	84-6-7	3.0'	.001	
		pyrite mineralization in carbonate breccia.				
From	115.0 - 135.0'	increased carbonate altered as bands in fractured sediments with some pyrite and quartz-carbonate filling, wider fractures from 115.0 - 122.0' @ 45° to core axis.				
		<u>SAMPLE: 115.0 - 120.0'</u>	84-6-8	5.0'	.004	
		approximately 10% pyrite-pyrrhotite.				
		<u>SAMPLE: 120.0 - 125.0'</u>	84-6-9	5.0'	.001	
		some minor pyrite mineralization.				
		<u>SAMPLE: 125.0 - 130.0'</u>	84-6-10	5.0'	<.001	
		alteration with minor pyrite content.				

New Augarita Porcupine Mines Limited

DIAMOND DRILL HOLE 84-6

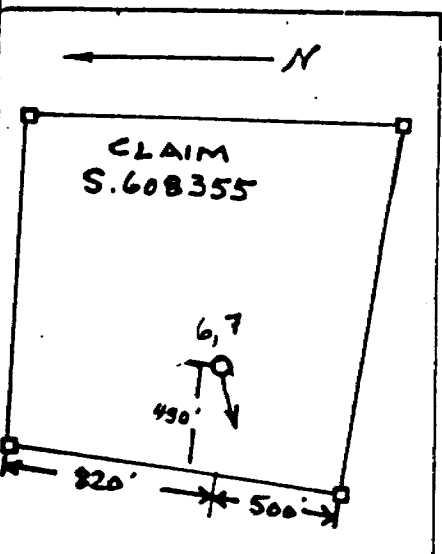
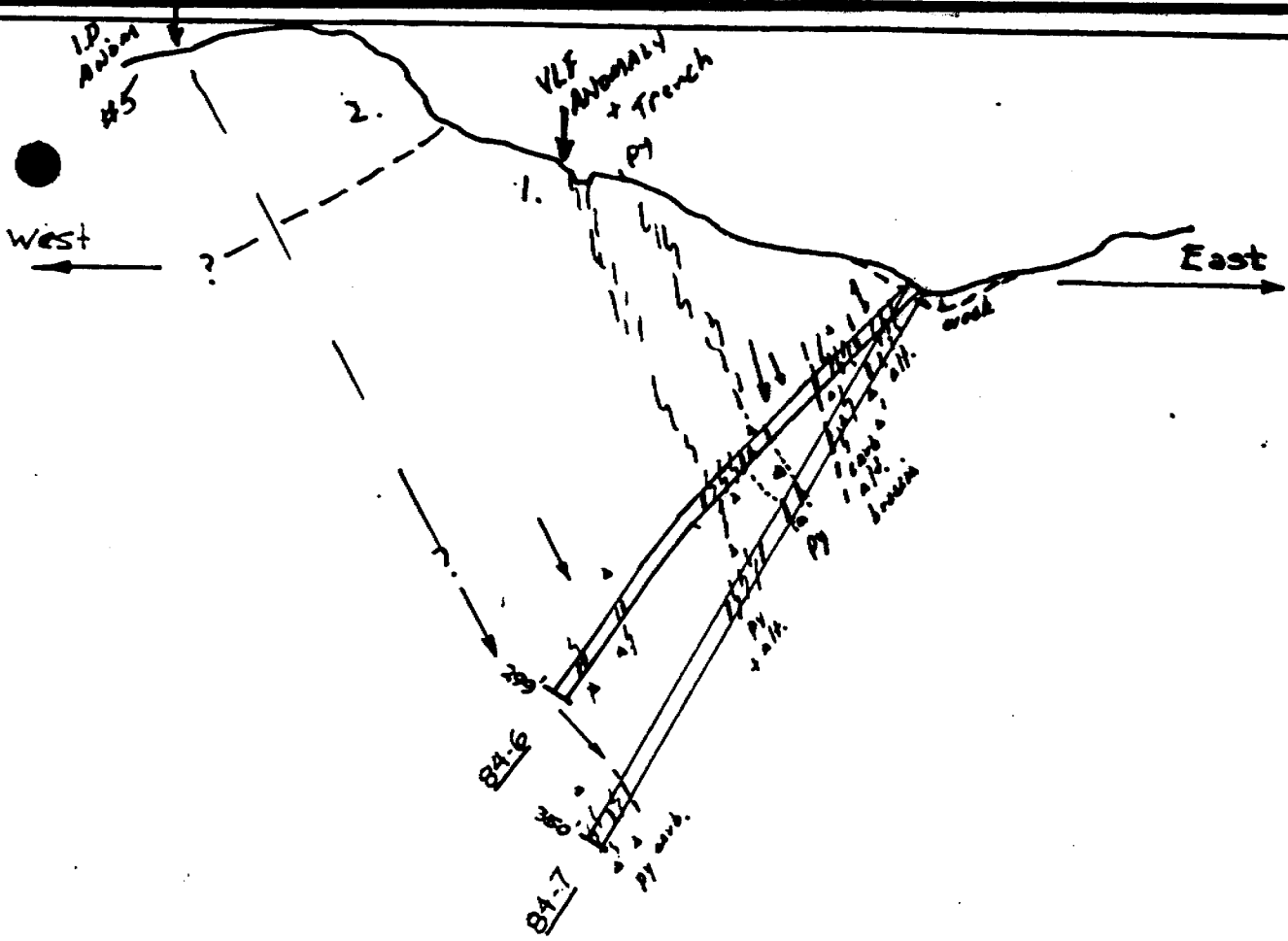
LOCATION: RATHBUN TWP.

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *JLH*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
			<u>SAMPLE: 130.0 - 135.0'</u> 84-6-11	5.0'	.001
		From 135.0 - 164.0' bleaching along micro fractures at all angles, carbonate filled.			
		From 164.0 - 210.0' increased mud seams, flows @ 45° to core axis, with odd large pebble (up to 3") suspended in matrix, massive, flinty, odd bleb of pyrite observed and localized carbonate-rich brecciated sections from 207.0 to 208.0'	S) 227.0-228.0' 84-6- S) 239.0-241.0' 84-6-	1.0' 2.0'	
		From 210.0 - 280.0 less pebbles, lighter grey colour, more carbonate-rich fracture filling @ mainly 45° to core axis, sediments bedded @ 70° to C.A. brecciated from 227.0 to 228.0', 242.0 to 244.0', 257.0 to 260.0'. <u>SAMPLE: 241.0 - 244.0'</u> 84-6-12	S) 244.0-246.0' 84-6- S) 269.0-271.0' 84-6-	3.0' 2.0'	.003
		Altered brecciated section. <u>SAMPLE: 271.0 - 273.0'</u> 84-6-13		2.0'	.004
		altered, bleached breccia with carbonate filling poorly mineralized, contact at 45° to core axis	<u>Sample: 273.0-276.0'</u> 84-6-	3.0'	
		From 280.0 - 299.0' core massive, dark grey sediments.			
	299.0	END OF HOLE. Acid Test @ 285' was -50°			



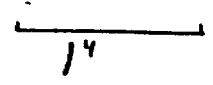
DH 84-6,7

New Augarita Porcupine Mines

Rathbun Twp.

Scale

1 in. = 100 ft.



LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

DIAMOND DRILL HOLE 84-7LOCATION: RATHBUN TWP.
Claim 608355LATITUDE: L 15 N
DEPARTURE: 4+20EBEARING: Az. 240°
ANGLE DIP: -60°
@ 350' was -63°

STARTED: May 21, 1984

FINISHED: May 24, 1984

LOGGED BY *J. C. Archibald*
J. C. Archibald

DM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	7.0'	CASING - No Core Recovered			
7.0	350.0'	GREYWACKE - GOWGANDA SEDIMENTARY ROCKS, consisting of conglomerates, wackes and quartz arenites.			
		From 7.0 - 54.0', mainly lighter grey colour, bleached, sediments with carbonate-rich fracture filling at 45° to core axis.			
		<u>SAMPLE: 29.0 - 34.0'</u>	84-7-1	5.0'	.002
		<u>SAMPLE: 43.0 - 47.0'</u>	84-7-2	4.0'	.006
		From 54.0 - 64.0; altered, brecciated sediments with chlorite in microfractures, bedding at 60° to core axis.			
		<u>SAMPLE: 53.0 - 56.0'</u>	84-7-3	3.0	.001
		From 53.0 - 56.0', pyrite mineral along upper contact of mud flows @ 45° to core axis.			
		<u>SAMPLE: 58.0 - 60.0'</u>	84-7-4	2.0'	.001
		From 56.0 - 60.0', chlorite fracture filling, core broken with odd pyrite grain along fractures			

PAGE: 2 of 4 New Augarita Porcupine Mines Limited
DIAMOND DRILL HOLE 84-7

LOCATION: RATHBUN TWP.

LATITUDE:
 DEPARTURE:

BEARING:
 ANGLE DIP:

STARTED:
 FINISHED:
 LOGGED BY: *ca*

W	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/tor
		From 68.0 - 99.0', intensely microfractured with carbonate and chlorite-rich filling <u>SAMPLE: 71.0 - 73.0' 84-7-5</u>		2.0'	<.001
		From 99.0 - 108.0', brecciated sediments with carbonate alteration, poorly mineralized. <u>SAMPLE: 99.0 - 104.0' 84-7-6</u> <u>SAMPLE: 104.0 - 108.0' 84-7-7</u>		5.0	.001
		From 119.0 - 124.0', core fractured, blocky with odd bleb or lense of pyrite, up to 136.0' <u>SAMPLE: 124.0 - 129.0' 84-7-8</u>		5.0'	.007
		From 124.0 - 129.0', bleached, brecciated with odd pyrite fracture filling.			
		From 129.0 - 146.0', mineralized breccia with bands of pyrite at 45 to 70° to core axis. <u>SAMPLE: 129.0 - 134.0' 84-7-9</u>		5.0'	.001
		From 129.0 - 134.0', increased altered, bleached sediments with up to 2% pyrite content in fractures.			

DIAMOND DRILL HOLE 84-7

LOCATION: RATHBUN TWP.

LATITUDE:
DEPARTURE:BEARING:
ANGLE DIP:STARTED:
FINISHED:
LOGGED BY: *JL*

TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au /ton
	From 134.0 - 139.0', lenses, bands of massive pyrite-pyrrhotite up to 1" wide at 45° to core axis and carbonate alteration. <u>SAMPLE: 134.0 - 139.0' 84-7-10</u>	84-7-10	5.0'	.009
	From 139.0 - 144.0', footwall portion with odd lenses pyrite and chlorite-carbonate along fractures, slips and around fragments at 70° to core axis. <u>SAMPLE: 139.0 - 144.0' 84-7-11</u>	84-7-11	5.0'	.001
	From 146.0 - 151.0', grades into darker crystalline massive wackes, homogeneous with odd pebble, up to 1" suspended in matrix, with odd carbonate-rich fracture filling at 60 to 70° to core axis. <u>SAMPLE: 147.0 - 148.0' 84-7-12</u>	84-7-12	1.0'	.001
	From 151.0 - 153.0', 1" band of chlorite at 60° to core axis, 2" band of pyrite at 152.5'. <u>SAMPLE: 151.0 - 153.0' 84-7-13</u>	84-7-13	2.0'	.001
	From 163.0 - 205.0', altered, brecciated, micro-fractured with carbonate fracture filling at mainly 45° to c.a., with some chlorite filling and odd speck pyrite mineralization. <u>SAMPLE: 163.0 - 167.0' 84-7-14</u> black chlorite filling with specks pyrite, (less than 1%)	84-7-14	4.0'	.002

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 4 of 4

DIAMOND DRILL HOLE 84-7

LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *[Signature]*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		<u>SAMPLE: 197.0 - 200.0'</u> 84-7-15		3.0'	.001
		carbonate filled fractures with odd pebble rimmed by pyrite.			
		From 205.0 - 230.0', pebbles up to 3" in diameter some porphyritic with pyrite rimming, fracturing at 45° to core axis.			
		<u>SAMPLE: 223.0 - 226.0'</u> 84-7-16		3.0'	.001
		From 230.0 - 314.0', increasingly massive wackes, with rounded pebbles in matrix, assorted.			
		<u>SAMPLE: 267.0 - 269.5</u> 84-7-17		2.5'	<.001
		carbonate fracture filling at 20° to C.A. with odd pyrite grain along slips, fractures.			
		From 314.0 - 350.0', increasingly fractured with carbonate filling (fractures up to 1/16") bleached along edges up to 334', all angles but mainly 70° to C.A.; fine grained, disseminated pyrite all through sediments to 350', granitic pebbles up to 1" diameter. S) 310.0-315.0' 84-7-		5.0'	
		<u>SAMPLE: 315.0 - 318.0'</u> 84-7-18		3.0'	.003
		micro fractures filled with carbonate, odd speck of pyrite. S) 318.0 - 321.0' 84-7-		3.0'	
		<u>SAMPLE: 321.0 - 324.0'</u> 84-7-19		3.0'	.001
		as above.			
350.0'		END OF HOLE Acid Test -63°			

West

East

AND #5

VLF ANOMALY + Trench

84-6

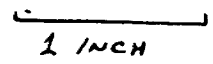
84-7

DH 84-6,7

New Augarita Porcupine Mines Rathbun Twp.

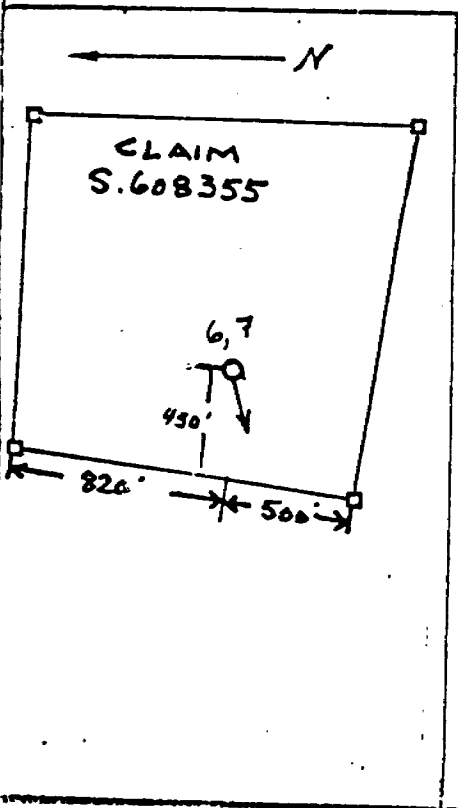
Scale

1 in. = 100 ft.



LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?



New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 1 of 4

DIAMOND DRILL HOLE 84-8

LOCATION: RATHBUN TWP.
CLAIM 608355

LATITUDE: L 16+90 N
DEPARTURE: 4+60 E

BEARING:
ANGLE DIP: -45° @ start
-51° @ Finish

STARTED: May
FINISHED: May

LOGGED BY: J.C. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	14.0'	CASING - No Core Recovery			
14.0	285.0'	SEDIMENTS - GOWGANDA GROUP - massive, dark grey wackes and quartz arenites			
		14.0 - 29.0, ground is blocky, fractured, massive dark grey wackes and mudflows at 80° to C.A., carbonate rich.			
		<u>SAMPLE: 28.0 - 32.0'</u>	84-8-1	4.0'	.001
		rusty with carb. stringers.			
		29.0 - 49.0, brecciated, fractured, with chlorite, carbonate filling and odd crystal pyrite in fractures at 10 - 20° to core axis.			
		<u>SAMPLE: 32.0 - 37.0'</u>	84-8-2	5.0'	.002
		less than 1% py., carb. rich alteration			
		<u>SAMPLE: 37.0 - 42.0'</u>	84-8-3	5.0'	.001
		same as above			
		<u>SAMPLE: 42.0 - 45.0'</u>	84-8-4	3.0'	.001
		" " "			
		49.0 - 66.0', micro fractured with odd bleb pyrite, chlorite, carb. amygdals in dark grey, massive wackes, lineated @ 45 - 70° to C. A.			
		<u>SAMPLE: 52.0 - 54.0'</u>	84-8-5	2.0'	.001
		check sample			

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 2 of 4

DIAMOND DRILL HOLE 84-8

LOCATION: LATITUDE: BEARING: STARTED:
DEPARTURE: ANGLE DIP: FINISHED:
LOGGED BY: *DLK*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		66.0 - 84.0, increased fracture filling with carb. in stringers and micro fractures @ 70° to C.A. (bedding also), odd speck pyrite, some localized alteration and bleaching.			
		<u>SAMPLE: 76.0 - 78.0</u>	8-6	2.0'	<.001
		84.0 - 130.0, increased carbonate content with several large fissures @ 105' (3"), 121' (4") poorly mineralized			
		<u>SAMPLE: 90.0 - 92.0</u>	8-7	2.0'	.002
		<u>SAMPLE: 103.0-105.0</u>	8-8	2.0'	<.001
		<u>SAMPLE: 120.0-121.0</u>	8-9	1.0'	.001
		130.0 - 198.0, odd section of altered, bleached wacke			
		<u>SAMPLE: 128.0-130.0</u>	8-10	2.0'	.001
		carb. fracture filling @ 20° to C.A., carb., chlorite and pyrite in fracture.			
		<u>SAMPLE: 136.0-138.0</u>	8-11	2.0'	.001
		fracturing at 30° to C. A. with carbonate, pyrite along slips, bleached			
		<u>SAMPLE: 151.0-152.0</u>	8-12	1.0'	.001
		4" of micro breccia with py., chlor. in matrix			

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 4 of 4

DIAMOND DRILL HOLE 84-8

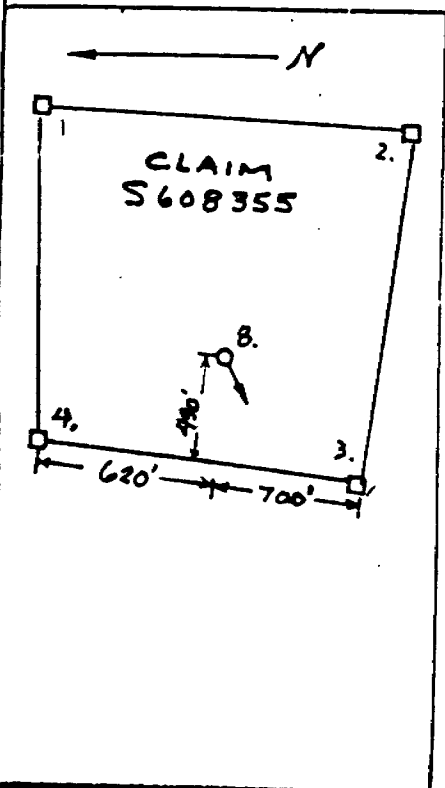
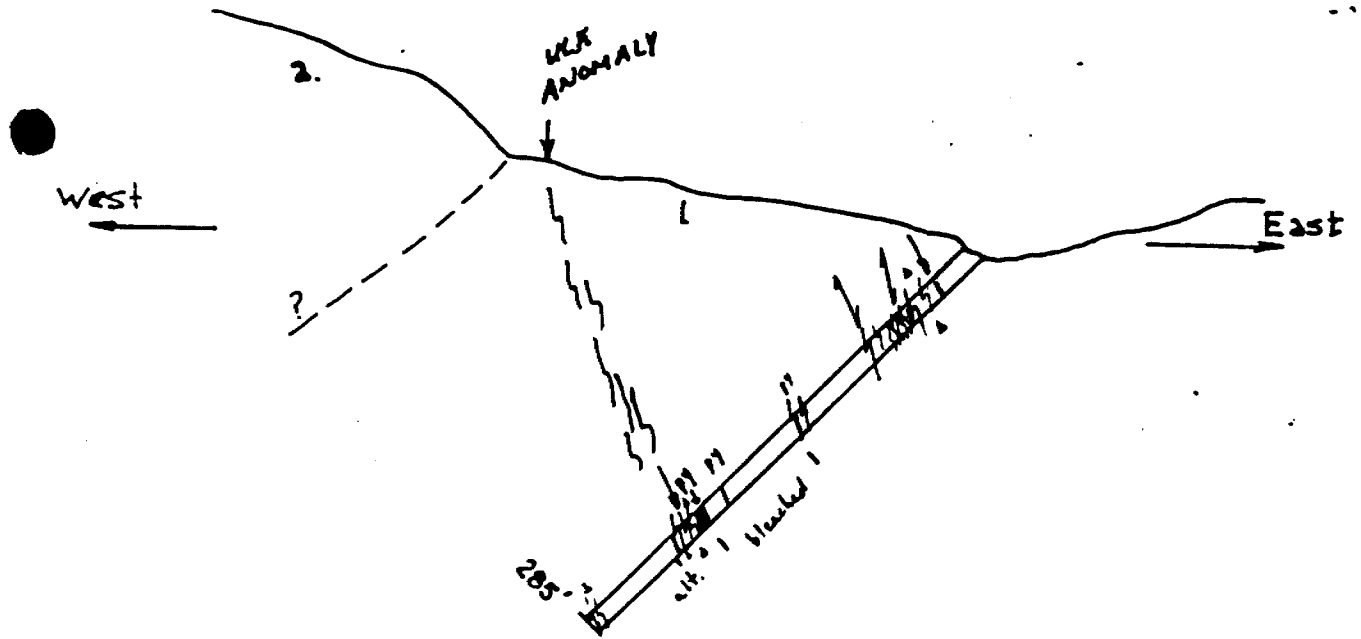
LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *JCA*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		219.0 - 277.0, grades into massive, coarse greywacke with pebbles up to 1", carbonate stringers at mainly 45° to core axis, less pyrite and alteration/rimming along fractures.			
		<u>SAMPLE: 226.0 - 229.0'</u> mudstone, marbled, altered (doleritic) at 60-70° to C.A., less than 1% pyrite in fractures.	84-8-19	3.0'	.001
		<u>SAMPLE: 232.0 - 233.0</u> odd speck of disseminated pyrite (less than 1%) along fractures at 60° to C.A.	84-8-20	1.0'	.002
		277.0 - 285.0, increased fracturing and brecciation, carbonate rich.			
	285.0'	<u>END OF HOLE</u> Acid Test was -51°			

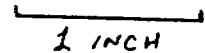


Hole 84-8

**New Augarita Porcupine Mines
Rathbun Twp.**

Scale

1 in. = 100 ft.



LEGEND

1. - Sediments: Massive wackes, orthoconglomerates, arkoses
2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 1 of 3

DIAMOND DRILL HOLE 84-9

STARTED: May

FINISHED: May

LOCATION: RATHBUN TWP.
CLAIM 608355

LATITUDE: L 18 N

BEARING:

DEPARTURE: 5+00 E

ANGLE DIP: -45°
Test @ 281' was -50°

LOGGED BY: *J.C. Archibald*
J.C. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	28.0'	CASING - No Core Recovery			
28.0	281.4'	SEDIMENTS - GOWGANDA GROUP - dark grey, massive wackes and quartz arenites with disseminated pebbles up to 2" in ground mass.			
		28.0 - 53.0, core is fragmented, blocky, micro fractured (brecciated) with rusty carbonate rich along fractures at 70° to core axis.			
		<u>SAMPLE: 51.0 - 54.0'</u>	84-9-1	3.0'	<.001
		carbonate alteration at 10-20° to C.A.			
		53.0 - 115.0, increased carbonate fracture filling from 20 to 45° to C.A. with dissem. pebbles up to 2" diameter, odd bleb of pyrite.			
		<u>SAMPLE: 100.0 - 102.0</u>	84-9-2	2.0'	<.001
		115.0 - 135.0, bedding and fracturing at 45 to 60° to C. A., mudflows laminated, locally contorted.			
		135.0 - 200.0, less fracturing, more massive, sediments, crystalline, lighter grey with localized bleaching along micro fractures, observed mudflows from 145' to 155', 180' to 220'.			
		<u>SAMPLE: 188.0 - 190.0</u>	84-9-3	2.0'	<.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 3 of 3

DIAMOND DRILL HOLE 84-9

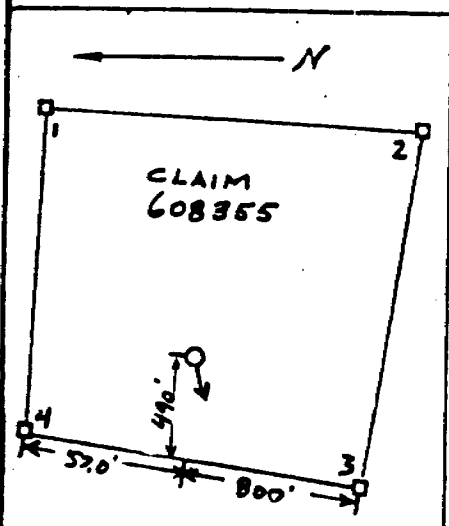
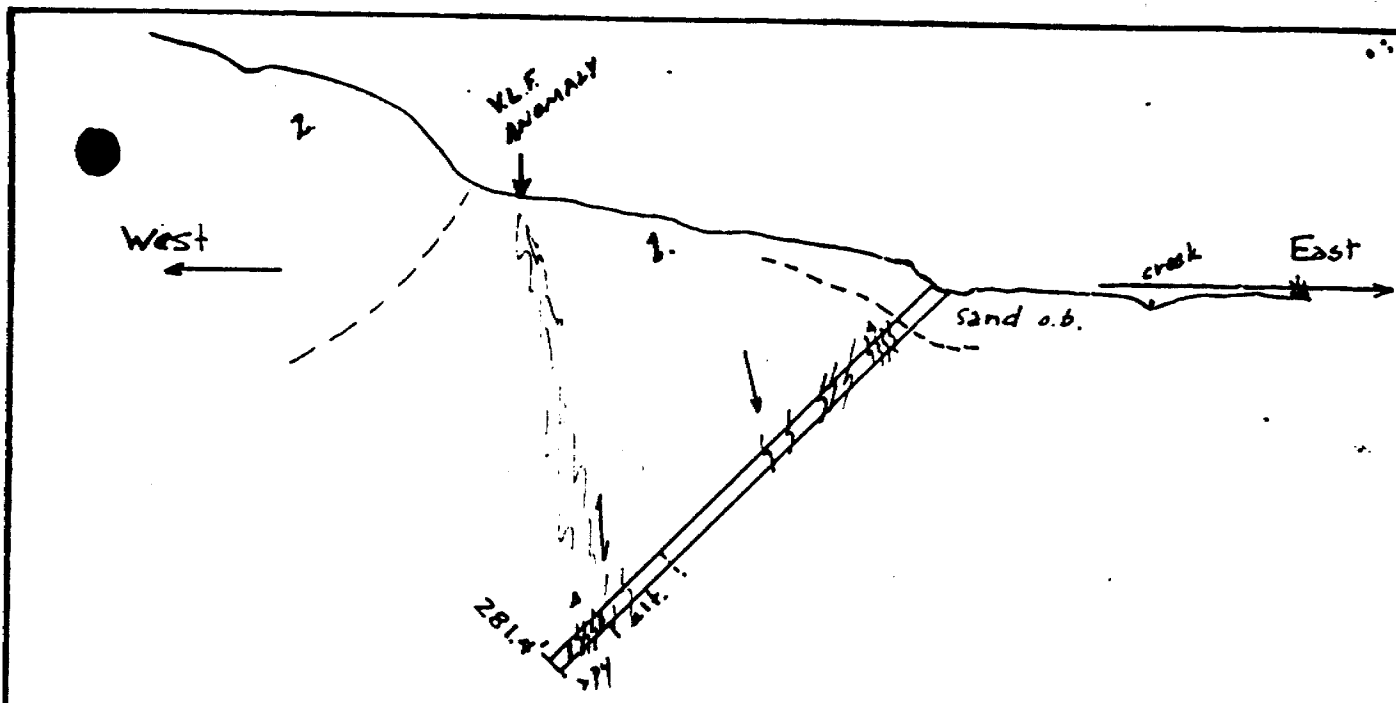
LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *Jca*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		<u>SAMPLE: 248.0 - 253.0'</u> lots of carb. alteration with bands of pyrite at 80° to C.A., some chlorite bands at 45° to C.A.	84-9-10	5.0'	<.001
		<u>SAMPLE: 253.0 - 258.0'</u> best section with approx. 10% pyrite in bands, bleached rims, at 80° to C.A.	84-9-11	5.0'	<.001
		<u>SAMPLE: 258.0 - 263.0'</u> large pebbles in sedimentary matrix with pyrite rimming, brecciated mudflows, bleached doleritic and odd 1/16" band pyrite.	84-9-12	5.0'	.002
		<u>SAMPLE: 263.0 - 268.0'</u> odd band of pyrite along altered, bleached fractures at 60° to 80° to core axis.	84-9-13	5.0'	.001
		<u>SAMPLE: 268.0 - 273.0'</u> odd band pyrite in altered fractures with increased chlorite filling.	84-9-14	5.0'	<.001
		<u>SAMPLE: 273.0 - 276.0'</u> some odd bands filled with carb. chlorite, odd speck pyrite.	84-9-15	3.0'	<.001
	281.4'	From 245.0 to 281.4' core blocky, fragmented <u>END OF HOLE.</u> Acid Test was -50°			

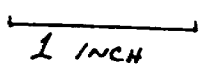


Hole 84-9

New Augarita Porcupine Mines Rathbun Twp.

Scale

1 in. = 100 ft.



LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

New Augarita Porcupine Mines Ltd.

Rathbun Twp.

PAGE: 1 of 4

DIAMOND DRILL HOLE 84-10

STARTED: June 10, 1984

FINISHED: June 12, 1984

LOGGED BY: J. Archibald

LOCATION: Claim # S608355
Rathbun Twp.

LATITUDE: L19N
DEPARTURE: 4+10E

BEARING:
ANGLE DIP: -45°
Test @ 230' was -57°

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0'	28.0'	CASING - No Core Recovery			
28.0	309.0'	GOWGANDA FORMATION SEDIMENTS - mainly dark grey greywacke, massive arkoses and wackes			
		From 28.0 - 72.0, massive, dark grey, crystalline with odd pebble disseminated			
		From 72.0 - 237.0', core is intermittently brecciated/fragmented with carbonate filling along fracturing, disseminated specks pyrite (-1%)			
		From 80.0 - 85.0', fracturing at 25° to C.A. from 80 to 85'			
		From 94.0 - 97.0', mudflows and pyrite, chlorite rich fracture filling at 70° to C.A.			
		From 105.0 - 125.0', core is broken, fragmented with chlorite and pyrite in fractures after 117.0'			
		75.0 - 77.0': brecciated, carb. <u>SAMPLE</u>	84-10-1	2.0'	.001
		80.0 - 82.0': fragmented <u>SAMPLE</u>	84-10-2	2.0'	.001
		94.0 - 96.0': carbonated, mudflows <u>SAMPLE</u>	84-10-3	2.0'	.004
		103.0-105.0': flow banded, slumped mudflows @ 60° to C.A. (-1% py) <u>SAMPLE</u>	84-10-4	2.0'	<.001
		105.0-110.0': broken, rusty along fract, diss. py. -2% @ 45° c.a. <u>SAMPLE</u>	84-10-5	5.0'	<.001
		118.0-123.0': chlorite blebs and odd speck pyrite <u>SAMPLE</u>	84-10-6	5.0'	.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 2 of 4

DIAMOND DRILL HOLE 84-10

LOCATION: Claim #S608355

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY *Jca*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au / oz/ton
		123.0-125.0': chlorite blebs and odd specks pyrite	<u>SAMPLE</u> 84-10-7	2.0'	<.001
		From 125.0 - 204.0', grades into massive seds. with less fracturing, dark greywacke with odd pebble up to 1", specks pyrite diss. all through.			
		183.0-188.0':	<u>SAMPLE</u> 84-10-8	5.0'	<.001
		188.0-193.0':	<u>SAMPLE</u> 84-10-9	5.0'	<.001
		From 204.0 - 237.0', increasingly brecciated, fractured @ 45° to C.A.			
		204.0-208.0':	<u>SAMPLE</u> 84-10-10	4.0'	<.001
		208.0-210.0':	<u>SAMPLE</u> 84-10-11	2.0'	<.001
		217.0-220.0':	<u>SAMPLE</u> 84-10-12	3.0'	<.001
		223.0-225.0':	<u>SAMPLE</u> 84-10-13	2.0'	<.001
		228.0-231.0':	<u>SAMPLE</u> 84-10-14	3.0'	<.001
		From 237.0 - 248.0', brecciated with carb. alteration, bands of carb. & py. within mudflow bands @ 60-90 to c.a., bleached			
		235.0-238.0': altered, poorly mineralized with pyrite	<u>SAMPLE</u> 84-10-15	3.0'	<.001
		238.0-243.0': well altered with 12 strgs. py. up to 1/8" (-5% py)	<u>SAMPLE</u> 84-10-16	5.0'	<.001

ALTERED ZONE

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 3 of 4

DIAMOND DRILL HOLE 84-10

LOCATION: Claim #S608355

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *JJA*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		243.0-248.0': well altered, best pyrite content with stringers of quartz-carbonate up to 1" <u>SAMPLE</u>	84-10-17	5.0'	<.001
		From 248.0 - 253.0', less alteration, core bleached, less mineral.			
		248.0-253.0': micro fractured with -2% pyrite contend, good carb. filling <u>SAMPLE</u>	84-10-18	5.0'	006
		From 253.0 - 280.0', darker grey wacke with carb. fracture filling @ 45° c.a.			
		253.0-257.0': increasingly darker sediments, core fractured <u>SAMPLE</u>	84-10-19	4.0'	<.001
		257.0-262.0': carbonate stringers in broken core <u>SAMPLE</u>	84-10-20	5.0'	<.001
		262.0-267.0': " " with some bleaching along fractures <u>SAMPLE</u>	84-10-21	5.0'	<.001
		267.0-272.0': odd fracture filled with py. up to 1/16", -1% py. <u>SAMPLE</u>	84-10-22	5.0'	<.001
		272.0-279.0': " " <u>SAMPLE</u>	84-10-23	7.0'	<.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 4 of 4

DIAMOND DRILL HOLE 84-10

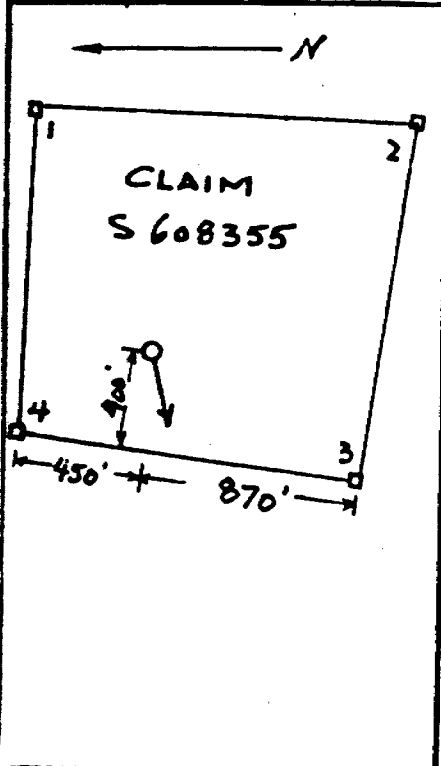
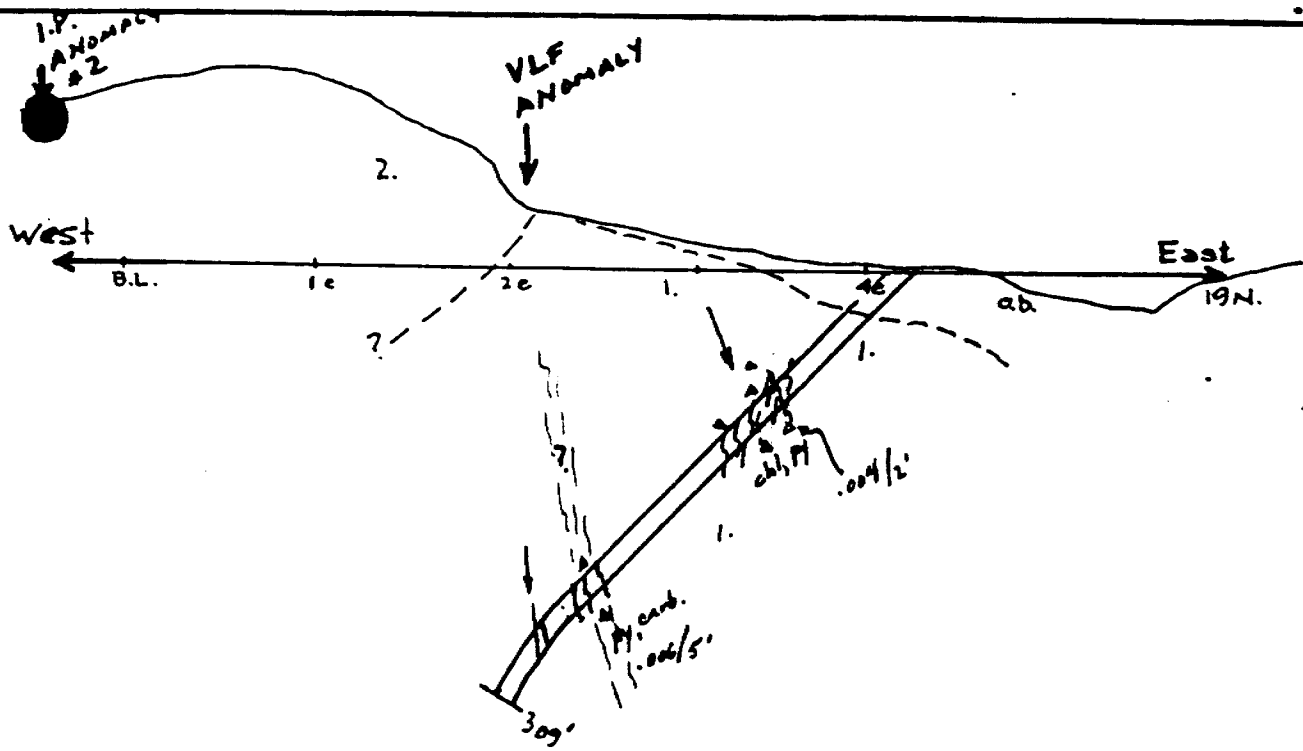
LOCATION: Claim #S608355

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *Jca*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		From 280.0 - 309.0', less fractured core, fresh dark greywacke with pebbles up to 1" diam., disseminated throughout, odd carbonate stringer up to 1/16" @ 45° to c.a., some py. + malachite along slips (-2%).			
		279.0-282.0': malachite + pyrite dissem. along slips and fractures (-2%)			
		282.0-287.0': as above with fracturing @ 45° to c.a.	<u>SAMPLE</u> 84-10-24	3.0'	<.001
		287.0-292.0': as above	<u>SAMPLE</u> 84-10-25	5.0'	<.001
		292.0-296.0': "	<u>SAMPLE</u> 84-10-26	5.0'	<.001
			<u>SAMPLE</u> 84-10-27	4.0'	<.001
309.0'		END OF HOLE - Acid Test was -57°			



Hole 84-10

New Augarita Porcupine Mines Rathbun Twp.

Scale

1 in. = 100 ft. ┌──────────┐
1 inch

LEGEND

- 1. - Sediments: Massive wackes, orthoconglomerates, arkoses
- 2. - Quartz Gabbros: intrusive rock
- qtz.-carb. Breccia-diatreme ?

Handwritten initials/signature

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 1 of 2

DIAMOND DRILL HOLE 84-11

STARTED: June 12, 1984

FINISHED: June 14, 1984

RATHBUN TWP. LATITUDE: L14N
LOCATION: Claim #S608355 DEPARTURE: 4+20E

BEARING: 250°
ANGLE DIP: 75°
TEST WAS -52 @ 234 0'

LOGGED BY: J.C. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	AU oz/t
0.0'	10.0'	CASING - No Core Recovery			
10.0	234.0	GOWGANDA SEDIMENTS - mostly fine-grained greywackes			
		From 10 to 13", light grey sediments			
		From 13 to 44', altered, bleached sediments, brecciated with carb., chlorite fracture filling, pyrite crystal replacement (porphyritic look), odd bleb fresh pyrite (-1%) with fracturing @ 45° to core axis.			
		From 17 to 30', microfractured with up to 3% disseminated pyrite, bedding from 45-70° to C.A.			
		12.0 - 15.0':	<u>SAMPLE</u>	84-11-1	3.0' <.001
		15.0 - 20.0':	<u>SAMPLE</u>	84-11-2	5.0' <.001
		20.0 - 25.0':	<u>SAMPLE</u>	84-11-3	5.0' <.001
		25.0 - 30.0':	<u>SAMPLE</u>	84-11-4	5.0' <.001
		30.0 - 35.0':	<u>SAMPLE</u>	84-11-5	5.0' .002
		35.0 - 39.0':	<u>SAMPLE</u>	84-11-6	4.0' .002
		39.0 - 44.0':	<u>SAMPLE</u>	84-11-7	5.0' <.001
		From 44 to 84', microfractured with chlorite/carb. fracture filling, odd bleb/lense py. @ 45° c.a.			
		44.0 - 49.0':	<u>SAMPLE</u>	84-11-8	5.0' <.001
		49.0 - 54.0':	<u>SAMPLE</u>	84-11-9	5.0' <.001
		54.0 - 59.0':	<u>SAMPLE</u>	84-11-10	5.0' <.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 2 of 2

DIAMOND DRILL HOLE 84-11

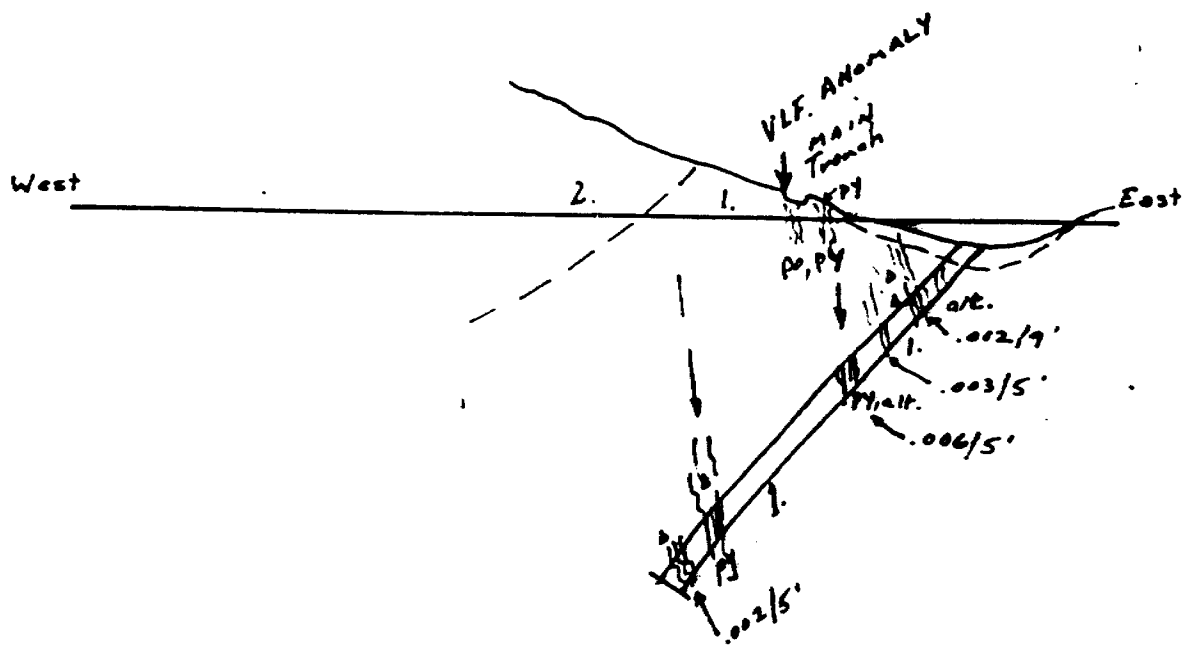
LOCATION:
Claim # S 608355

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *JLA*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/t
	59.0 - 64.0':	<u>SAMPLE</u>	84-11-11	5.0'	.003
	64.0 - 69.0':	<u>SAMPLE</u>	84-11-12	5.0'	.001
	69.0 - 74.0':	<u>SAMPLE</u>	84-11-13	5.0'	.001
	74.0 - 79.0':	<u>SAMPLE</u>	84-11-14	5.0'	<.001
	79.0 - 84.0':	<u>SAMPLE</u>	84-11-15	5.0'	.001
	From 84 to 167', core is comprised of sediment banded mudflows @ 45-60° to c.a., odd fracture filled with pyrite (i.e. 95', 97'), odd section is silicified, altered, carbonated along fractures (i.e. 102' to 112')				
	84.0 - 89.0':	<u>SAMPLE</u>	84-11-16	5.0'	.006
	89.0 - 93.5':	<u>SAMPLE</u>	84-11-17	4.5'	.001
	93.5 - 99.0':	<u>SAMPLE</u>	84-11-18	5.5'	<.001
	99.0 - 102.0':	<u>SAMPLE</u>	84-11-19	3.0'	.001
	107.0 - 109.0':	<u>SAMPLE</u>	84-11-20	2.0'	.001
	109.0 - 112.0':	<u>SAMPLE</u>	84-11-21	3.0'	<.001
	133.0 - 134.0':	<u>SAMPLE</u>	84-11-22	1.0'	<.001
	pebble? of granite porphyry.				
	158.0 - 159.0':	<u>SAMPLE</u>	84-11-23	1.0'	.001
	pyrite mineralization in pebble, in massive sediments.				
	From 167.0 to 234.0, increased microfracturing with bleached rims @ 45° to c.a., odd lense py @ 202' in uniform massive sediments, odd pebble thro core.				
	201.0 - 203.0':	<u>SAMPLE</u>	84-11-24	2.0'	<.001
	215.0 - 220.0':	micro brecc. <u>SAMPLE</u>	84-11-25		.002
234.0'	END OF HOLE. Acid Test was 52°				



DH 84-11

**New Augarita Porcupine Mines
Rathbun Twp.**

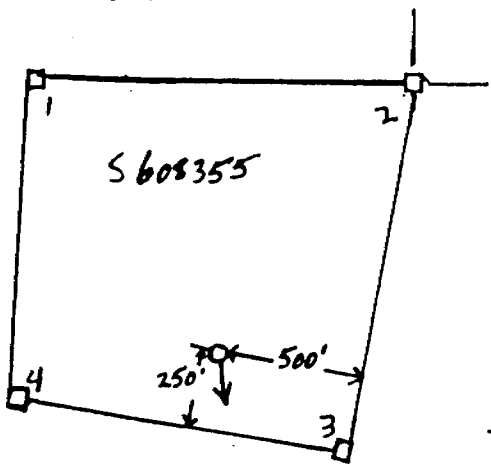
Scale

1 in. = 100 ft.
1 INCH

LEGEND

- 1 - Sediments: greywacke, qtz. arenites, arkoses
- 2 - Quartz Gabbro intrusive
- 3 - qtz.-carb. Breccia-diatreme mineralization

← N.



New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 1 of 4

DIAMOND DRILL HOLE 84-12

LOCATION: RATHBUN TWP.
Claim 608352

LATITUDE: 19N
DEPARTURE: 3+50 W

BEARING: 010°
ANGLE DIP: -45°
@ 171' was -50°

STARTED: June 16, 1984
FINISHED: June 18, 1984
LOGGED BY: J. E. Archibald

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	10.0'	CASING - No core recovered			
10.0'	171.0'	<p>QUARTZ GABBRO - siliceous, coarse grained gabbro sill, locally brecciated/fragmented, with sediment inclusions ? or fine grained phases</p> <p>10.0 - 22.0', broken core, gabbro</p> <p>25.0 - 33.0', altered sediments ?, fractured with chlorite-hematite filling, odd pyrite and carbonate filling in fractures and along contacts @ 60° to c.a. (possibly fine grained gabbro phase)</p> <p>26.0 - 31.0', -2% pyrite dissem. in fractures</p> <p style="text-align: right;"><u>SAMPLE</u> 84-12-1</p> <p>32.0 - 40.0', quartz gabbro, coarser grained euhedral crystals with quartz carbonate fracture filling @ 70 to 80° to c.a.</p> <p>31.0 - 35.0', disseminated pyrite and chlorite in microfractures.</p> <p style="text-align: right;"><u>SAMPLE</u> 84-12-2</p> <p>35.0 - 40.0', quartz-carbonate veining</p> <p style="text-align: right;"><u>SAMPLE</u> 84-12-3</p>			
				5.0'	<.001
				4.0'	.001
				5.0'	<.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 2 of 4

DIAMOND DRILL HOLE 84-12

LOCATION:	LATITUDE: DEPARTURE:	BEARING: ANGLE DIP:	STARTED: FINISHED: LOGGED BY: <i>JLH</i>	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
FROM	TO	REMARKS				
		40.0 - 80.0', chilled margins with altered sediments? good contacts @ 30° to c.a. with coarse grained gabbro inclusions?, odd carbonate vein up to 1" @ 57', 70', 91', 93'; quartz carbonate fracture filling @ 50 to 70° to c.a., disseminated pyrite all through, -1%.				
		40.0 - 44.0', disseminated pyrite in sediments?				
		<u>SAMPLE</u>	84-12-4	4.0'	<.001	
		46.0 - 50.0', as above				
		<u>SAMPLE</u>	84-12-5	4.0'	.002	
		50.0 - 55.0', "				
		<u>SAMPLE</u>	84-12-6	5.0'	.002	
		55.0 - 60.0', inc. qtz.carb.				
		<u>SAMPLE</u>	84-12-7	5.0'	.003	
		60.0 - 65.0', fract. filling				
		<u>SAMPLE</u>	84-12-8	5.0'	<.001	
		65.0 - 69.0', "				
		<u>SAMPLE</u>	84-12-9	4.0'	.006	
		69.0 - 74.0', "				
		<u>SAMPLE</u>	84-12-10	5.0'	.001	
		74.0 - 80.0', "				
		<u>SAMPLE</u>	84-12-11	6.0'	<.001	
		80.0 - 115.0', medium to coarse grained quartz gabbro with odd fine grained section, some quartz-carbonate stringers @ 60 - 70° to C.A. disseminated pyrite throughout, -1%				
		90.0 - 94.0',				
		<u>SAMPLE</u>	84-12-12	4.0'	.002	
		96.0 - 99.0',				
		<u>SAMPLE</u>	84-12-13	3.0'	.002	
		107.0 - 108.0', qtz. vein @ 108.0' (2") at 70° to c.a.				
		<u>SAMPLE</u>	84-12-14	1.0'	<.001	

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 3 of 4

DIAMOND DRILL HOLE 84-12

LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *JH*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		115.0 - 125.0', grades into finer grained siliceous gabbro (sediments, fragments or clasts? or fine grained phase of gabbro, flow bands observed at 45° to c.a.), increased brecciation of core, marbled look with contacts at 80° to c.a., some carbonate fracture filling at 50° to c.a., odd speck pyrite disseminated all through core.			
		116.0 - 120.0', marbled with odd bleb pyrite, core fractured	84-12-15	3.0'	<.001
		120.0 - 122.0', as above	84-12-16	2.0'	.003
		125.0 - 130.0', coarse grained gabbro, with carbonated stringers.			
		129.0 - 135.0', increased fracture filling in fine grained phase of gabbro, pyrite and chlorite along slips and fractures.			
		130.0 - 135.0',	84-12-17	5.0'	.002
		135.0 - 141.0', coarse grained quartz gabbro with fine grained inclusions, odd carb. stringer.			

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 4 of 4

DIAMOND DRILL HOLE 84-12

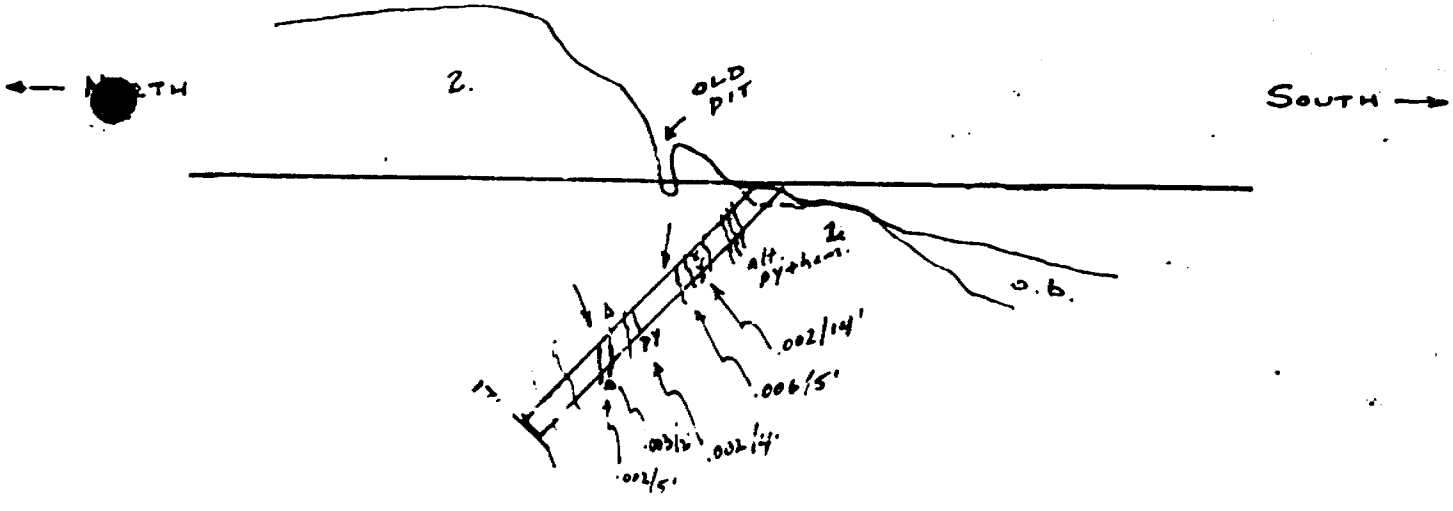
LOCATION:

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *JL*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
		141.0 - 171.0', quartz gabbro, medium grained with local coarse phases, odd quartz-carbonate stringer at 80° to c.a. @ 144' (2"), 146' (2"), 152' (2"), 153' (1"), 164' (1")			
		141.0 - 146.0', two quartz carbonate stringers @ 80° to c.a. <u>SAMPLE</u>	84-12-18	5.0'	<.001
		151.0 - 153.0', bleached carbonate stringers <u>SAMPLE</u>	84-12-19	2.0'	<.001
		163.0 - 165.0', carbonate stringers @ 60° to c.a. <u>SAMPLE</u>	84-12-20	2.0'	<.001
171.0'		END OF HOLE Acid Test @ 171 was -50°			



DH 84-12

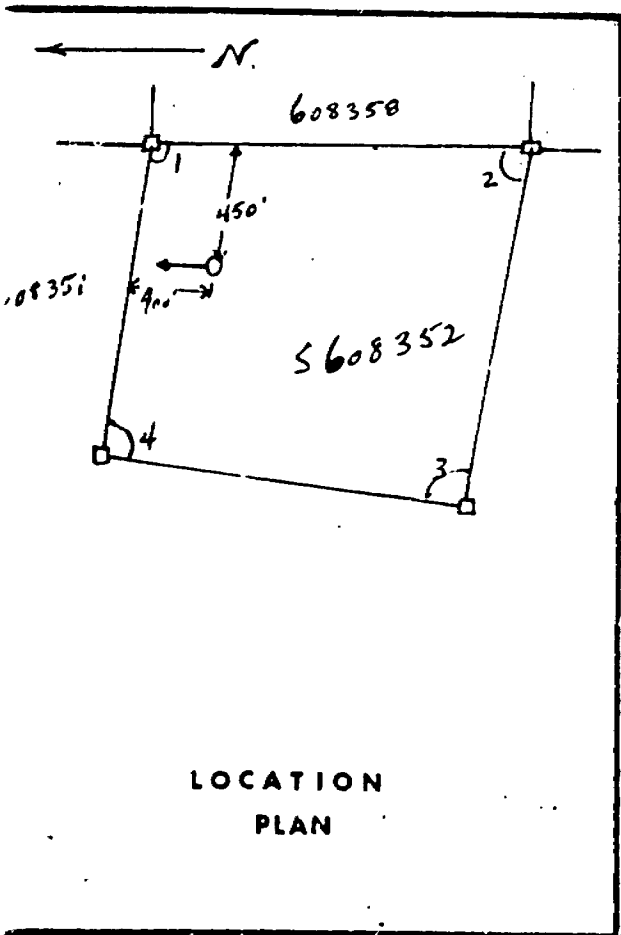
New Augarita Porcupine Mines Rathbun Twp.

Scale

1 in. = 100 ft.
1 INCH

LEGEND

- 1 - Sediments: greywacke, qtz. arenites, arkoses
- 2 - Quartz Gabbro intrusive
- 3 - qtz.-carb. Breccia-diatreme mineralization



LOCATION
PLAN

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 1 of 3

DIAMOND DRILL HOLE 84-13

STARTED: June 22, 1984

FINISHED: June 27, 1984

LOGGED BY: J.C. Archibald

LOCATION: RATHBUN TWP.
Claim #608355

LATITUDE: L 14 N

BEARING: 250°

DEPARTURE: 3+32 E

ANGLE DIP: -44°

85° S. of Line

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au oz/ton
0.0	19.0'	<u>CASING</u> - No Core Recovery			
19.0	154.0	<u>GOWGANDA FORMATION SEDIMENTS</u> - Massive greywackes, quartz arenites, quartzites			
		19.0 - 22.0, Quartzite, light buff coloured, bedded/ banded @ 45° to core axis, poorly mineralized.			
		19.0 - 22.0 - <u>SAMPLE</u>	84-13-1	3.0'	.001
		22.0 - 22.3, Gabbro Boulder? or small dike, coarse grained, poorly mineralised.			
		22.3 - 154.0, Gowganda Sedimentary rocks, mainly greywackes, fine grained, siliceous to carbonated/bleached, bedded at 45-55° to C.A., core broken, micro fractured up to 35' with rusty carbonated fracture filling, granitic inclusion? @ 33' for 4" @ 45° to core axis.			
		22.0 - 27.0 - <u>SAMPLE</u>	84-13-2	5.0'	.001
		27.0 - 33.0 - <u>SAMPLE</u>	84-13-3	5.0'	.001
		33.0 - 37.0 - Rusty, fractured <u>SAMPLE</u> core.	84-13-4	4.0'	.001
		37.0 - 41.0 - " " <u>SAMPLE</u>	84-13-5	4.0'	.001

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 2 of 3

DIAMOND DRILL HOLE 84-13

LOCATION: RATHBUN TWP.
Claim #608355

LATITUDE:
DEPARTURE:

BEARING:
ANGLE DIP:

STARTED: *Ja*
FINISHED:
LOGGED BY:

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au. oz/ton
		44.0 - 45.0 - Rusty, carbonate stringers up to 1" <u>SAMPLE</u>	84-13-6	1.0'	.001
		47.0 - 52.0 - carbonate, bleached <u>SAMPLE</u> core.	84-13-7	5.0'	<.001
		54.0 - 55.0 - hematite stained fractured core. <u>SAMPLE</u>	84-13-8	1.0'	<.001
		58.0 - 60.0 - rusty carbonate fracture filling. <u>SAMPLE</u>	84-13-9	2.0'	.012
		67.0 - 72.0 - " " <u>SAMPLE</u> broken core.	84-13-10	5.0'	.001
From	59.0 - 80.0,	core is broken, fractured with odd carbonate fracture filling, hematite stained, general jointing @ 30° to C.A., bedding @ 60-70° to C.A.			
	75.0 - 80.0	- carbonate, chloritic, hematite in fractures in altered sediments. <u>SAMPLE</u>	84-13-11	5.0'	.010
From	80.0 - 110.0	- increased micro-fracturing of core with chlorite/carbonate filling.			
	80.0 - 85.0	- carbonate fracture filling at 30° to core axis, bedding at 60° to core axis. <u>SAMPLE</u>	84-13-12	5.0'	.002

New Augarita Porcupine Mines Ltd. Rathbun Twp.

PAGE: 3 of 3

DIAMOND DRILL HOLE 84-13

LOCATION: RATHBUN TWP.
Claim # 08355

LATITUDE:
DEPARTURE:

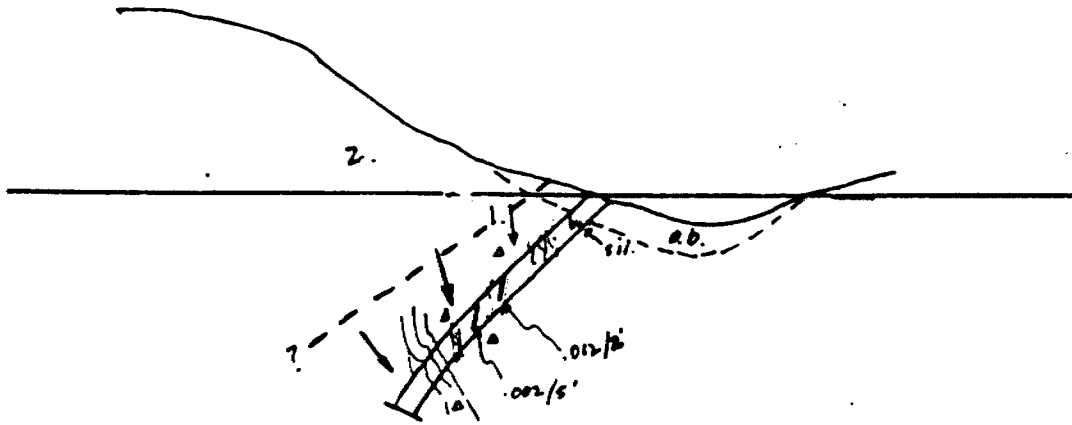
BEARING:
ANGLE DIP:

STARTED:
FINISHED:
LOGGED BY: *Allen*

FROM	TO	REMARKS	SAMPLE NO	SAMPLE LENGTH	Au. oz/ton
		96.0 - 101.0 - broken core, brecciated with carbonate and chlorite fracture filling @ 15° to C.A., banding @ 80° to core axis.			
		<u>SAMPLE</u> 84-13-13	84-13-13	5.0'	<.001
		From 125.0 - 138.0 - bleached, altered brecciated core, marbled seds. with chlorite/carbonate fract. filling, bedding @ 65° to C.A.			
		125.0 - 130.0 - altered sediments, poorly mineralized.	<u>SAMPLE</u> 84-13-14	5.0'	<.001
		130.0 - 135.0 - as above.	<u>SAMPLE</u> 84-13-15	5.0'	<.001
		135.0 - 140.0 - " "	<u>SAMPLE</u> 84-13-16	5.0'	<.001
		From 137.0 - 154.0 - core is less altered, some bleaching in fine grained laminated sediments (slumped mud flows?) @ 45° to core axis.			
		147.0 - 153.0	<u>SAMPLE</u> 84-13-17	6.0'	.001
154.0		<u>END OF HOLE</u> - in Gowganda Sediments, odd carbonate fracture filling/jointing at 10-40° to core axis, bedding @ 75° to core axis, odd pebble up to 1" diameter.			

West

East

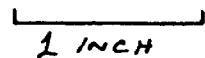


DH 84-13

New Augarita Porcupine Mines
Rathbun Twp.

Scale

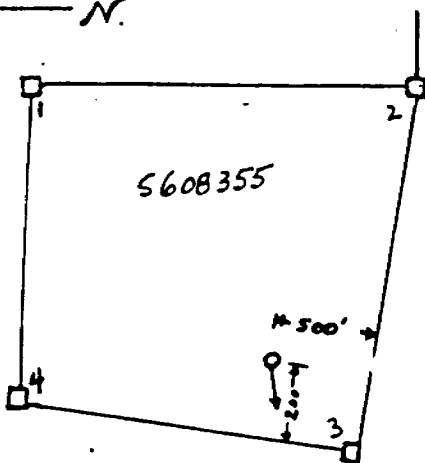
1 in. = 100 ft.



LEGEND

- 1 - Sediments: greywacke, qtz. arenites, arkoses
- 2 - Quartz Gabbro intrusive
- 3 - qtz.-carb. Breccia-diatreme mineralization

← N.



LOCATION
PLAN

NEW AUGARITA PORCUPINE MINES LTD

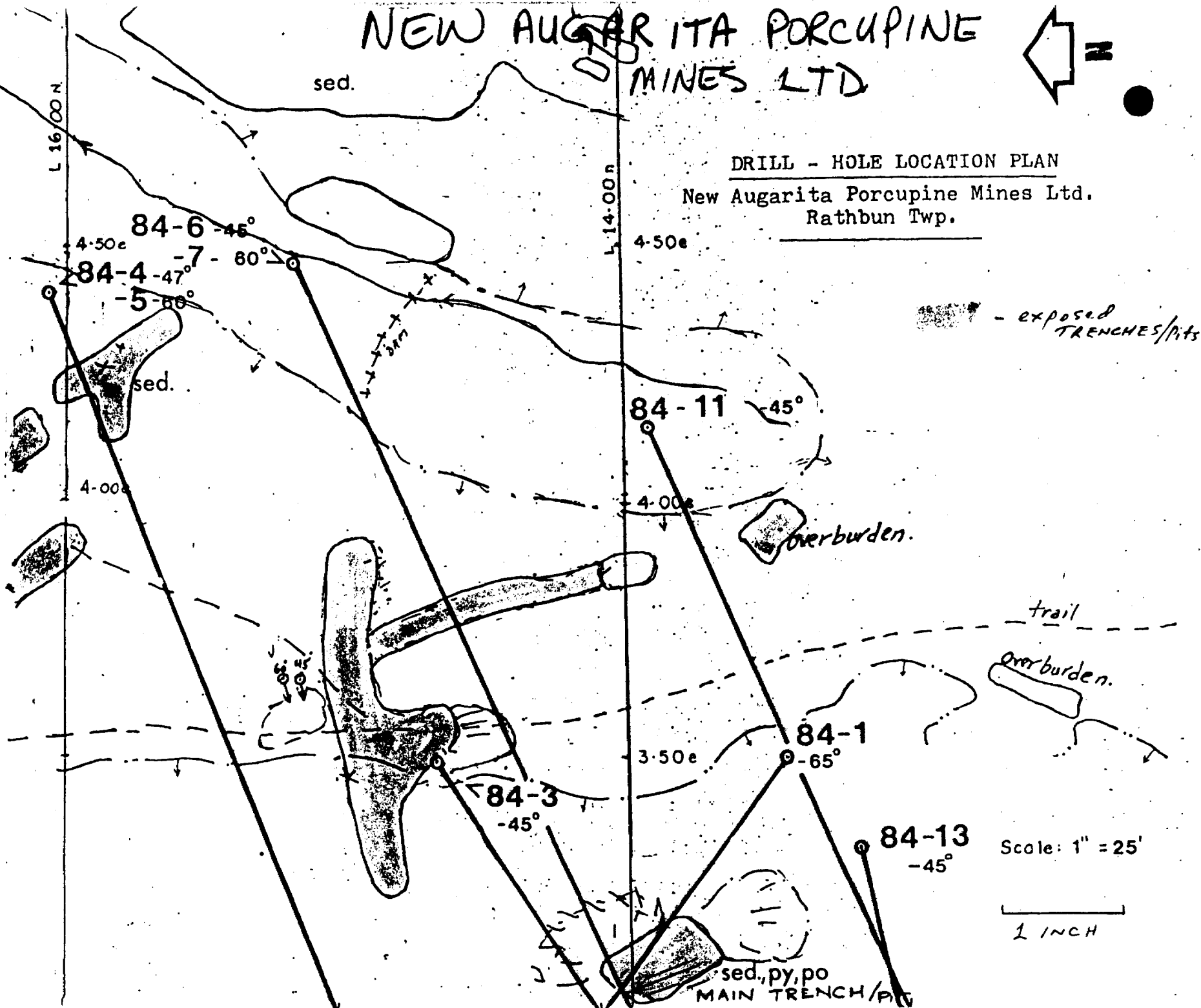


DRILL - HOLE LOCATION PLAN

New Augarita Porcupine Mines Ltd.
Rathbun Twp.

NEW AUGARITA PORCUPINE MINES LTD.

Fig. 4a



HOLE No.	DEPTH	DIP		COORDINATES	DATE STARTED	DATE FINISHED	COMMENTS - BEST SECTION (GOLD VALUES IN OZ. / TON)	SAMPLE NUMBERS
		STARTED	FINISHED					
84 - 1	331'	-65°	-70°	L13+60N 3+60E	MARCH 25	MARCH 28/84	.005/3' in alt. seds.	NA 1-1 to 1-20 (20 samp
84 - 2	224'	VERTICAL		CRYSTAL SHAFT CLAIM 608354	APRIL 1	APRIL 2	WILDCAT HOLE- NO VEIN CUT	NA 2-1 to 2-5 (5 sampl
84 - 3	592'	-45°	-53°	L14+50N 3+50E	APRIL 2	MAY 6	0.14 /5' sludge .05 /7' core from 8' - 14' .005/13' from 578 -592'	NA 3-1 to 3-16 NA 3-20 to 3-24 (40 NA 3-30 to 3-34 sampl
84 - 3 EXTENSION	592' to 690'			"	JUNE /84	JUNE /84	.006/5' or .004/15' from 649- 664'	NA 3-35 to 3-49 (15 sam
84 - 4	324'	-47°	-55°	L16N 4+45E	MAY 9	MAY 12	*.025/5' from 161-166'	NA 4-1 to 4-26 (26 sampl
84 - 5	385'	-60°	-60°	L16N 4+45E	MAY 13	MAY 16	*.046/5' or .03/10' from 160- 170' or .02/18' from 155- 173'	NA 5-1 to 5-21 (21 s
84 - 6	299'	-45°	-50°	L15N 4+50E	MAY 17	MAY 20	.01/5' from 14 - 19' *.004/5' from 115 -120'	NA 6-1 to 6-13 (13 sampl
84 - 7	350'	-60°	-63°	"	MAY 21	MAY 24	.006/4' from 43 -47' .007/5' from 124-129'} *.008/5' from 134-139'} .006/15'	NA 7-1 to 7-19 (19 sample
84 - 8	285'	-45°	-51°	L16+90N 4+60E	MAY 24/84	MAY /84	*.012/5' from 197-202' or .006/14' from 197-211'	NA 8-1 to 8-20 (20 sample
84 - 9	281.4'	-45°	-50°	L18N 5+00E	MAY /84	MAY /84	*.002/5' from 258-263'	NA 9-1 to 9-15 (15 sample
84 - 10	309'	-45°	-57°	L19N 4+10E	JUNE 10	JUNE 12	.004/2' from 94 to 96' *.006/5' from 248-253'	NA 10-1 to 10-27(27 samp

HOLE No.	DEPTH	DIP		COORDINATES	DATE STARTED	DATE FINISHED	COMMENTS (GOLD VALUES IN OZ./ TON)	BEST SECTION	SAMPLE NUMBERS
		STARTED	FINISHED						
84 - 11	234'	-45°	- 52°	L14N 4+20E	JUNE 12	JUNE 14	.002/9' from 30-39' * .006/5' from 84-89'		NA 11-1 to 11-25 (25 samples)
84 - 12	171'	-45°	- 50°	L9N 3+50W	JUNE 16	JUNE 18	.002/14' from 46-60' .006/ 4' from 65-69'		NA 12-1 to 12-20 (20 samples)
84 - 13	154'	-45°		L13N 3+32E	JUNE 22	JUNE 27	* .01 /5' from 75-80'		NA 13-1 to 13-17 (17 samples)
							Note: Propecting samples Trench samples		- NAP 84-1 through 84-25 NAP 84-50 through 84-75 LC1 through LC6

Handwritten signature

SAMPLE
No.

LOCATION

ASSAY
(OZ/Ton
Au)

SAMPLE No.	(WIDTH)	LOCATION	ASSAY (OZ/Ton Au)
NAP-84-1	L14+00N 3+12 E PIT + TRENCH		.013
"	(12' to 9') from 3+12 E @ 296°		
" 84-2	(9' - 6')	" "	.019
" 84-3	(6' - 3')	" "	.019
" 84-4	(3' - 0')	" "	.004
" 84-5	(0' - 3")	" " @ 116°	.001
" 84-6	(3' - 6')	" "	.005
" 84-7	(6' - 9')	" "	.002
" 84-8	(9' - 12")	" "	.004
NAP 84-9	L14+00N 3+08E		.003
"	(3' to 6') from 3+08E @ 040°		Tr.
84-10	(6' - 9')	" "	Tr.
84-11	(9' - 12')	" "	Tr.
84-12	(12' - 15')	" "	Tr.
NAP 84-13	L14+00N 3+10W - 90' NORTH		Tr.
	grab sample (3 1/2")		
NAP 84-14	L14+00N 3+00W ~ 90' NORTH		.004
	(10" sample)		
NAP 84-15	L14+00N 3+12W ~ 90' NORTH		Tr.
	(10" sample)		
NAP 84-16	L56+50N 44+19W		.05
	grab sample (chunks)		

SAMPLE #	Type/size SAMPLE	LOCATION	ASSAY OZ/Ton Au
* NA 5-17	grab on Main Trench	L16N at 3 West	.027
* NA 5-18	grab from Main Trench	L16N at 3 West	.014
NA 18	grab from	L16N at 5 E	.004
NA 19	grab from Main Tr. near top	L14N at 3 E	<.001
NA 20	grab from	L22N at 4 W	<.001
NA 21	last chance dump Pit	L9N 3+50 W	<.001

gjh

ASSAY	SAMPLE	LOCATION	SAMPLE WIDTH	Description
01	NAP 50	L 10+40N 4+16W.	(7")	E/W. contact. w. sulfides
001	51	13+10N 2+84W.	(12")	weath. gabbro
001	52	" "	(1.5")	Q.V. sth. 105° dip 15° S.
001	53	" "	(6")	gabb. with py on S. wall
001	54	22+94N at 3W.	(10")	N. wall Q.V. in gabbro
001	55	22+94N at 3W.	(4")	g.v.w. sulph at 265° 15° S.
L.001	56	22+94N at 3W.	(12")	S. wall of g.v. gabb + py
L.001	57	20+37N 2W.	(7")	S. wall of g.v. gabb. + py
001	58	20+37N. at 2W.	(9")	g.v.w. py brecc.
001	59	20+37N at 2W	(8")	N. wall of gabb + py
L.001	60	L10+75N 2+75E (grab)		alt. sed., red craggy
006	61	L16N 8+40E (29")		alt. sed., sil. + py at N. wall
001	62	L16N 8+40E (48")		min. gtz breccia 220° 15° S.
001	63	L16N 8+40E (45")		sil. alt. sed + py
001	64	L16N 8+40E		grab from pit. ventral bleached min. sed
LC5		LC pit at L9N 3+50W		grab of min. g.v. L.001
LC6		LC pit L9N 13+50W		grab .. L.001

003	NAP 65	14+85N 3W. (grab)		gtz breccia in small pit
001	66	L 20N at 2W.		g.v. from Trench
L.001	67	13+65N at 1+16E (1")		gtz stringer
001	68	31+50N 1+80E		grab. of t2. or material (float)
001	69	L24N 3W		grab " " " near trench
L.001	70	37+84N. 17+65W (3")		g.v.
.12	71	L16N 8+40E		grab. massive py from Tr.
.019	72	L16N at 8+40E.		grab. .. (contact)

LAST CHANCE PIT

LC1-	9+60N 3+70W.	(6")	gtz brecc. w py	.002
LC2-	" "	(6")	gtz un.	L.001
LC3	" "	(4")	min. wall rock	L.001
LC4	" "	(6")	gtz. gabb. S. wall	.002
LC5	" "		grab in dump	L.001
LC6	" "		grab in dump	L.001

Lea

3076



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO

C.W. Archibald Limited,
Attention: Mr. John Archibald,
702 - 100 Adelaide Street West,
TORONTO, Ontario
M5H 1S3

S A M E

S
H
I
P
T
O

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP.
May 28/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
22	Assays Au				\$ 8.50	\$ 187.00	
22	Sample Handling				2.75	60.50	
Cert. No. AR-62 May 28, 1984							
TOTAL						\$ 247.50	

INVOICE

3161



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO

C.W. Archibald Limited,
702 - 100 Adelaide Street West,
TORONTO, Ontario
M5H 1S3

S A M E

S
H
I
P
T
O

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP.
June 20/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
28	Assays Au				\$ 8.50	\$ 238.00	
28	Sample Handling				2.75	77.00	
Cert. No. AR-68 June 20, 1984							
TOTAL						\$ 315.00	

Jca

3188



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO C.W. Archibald Limited,
Attention: Mr. J.C. Archibald,
702 - 100 Adelaide Street West,
TORONTO, Ontario
M5H 1S3

S
H
I
P
T
O

S A M E

DATE	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALES REP.
June 27/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
24	Assays Au				\$ 8.50	\$ 204.00	
24	Sample Handling				2.75	66.00	
Cert. No. AR-71 June 27, 1984							
TOTAL						\$270.00	

INVOICE

3194



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO C.W. Archibald Limited,
Attention: Mr. J.C. Archibald,
702 - 100 Adelaide Street West,
TORONTO, Ontario
M5H 1S3

S
H
I
P
T
O

RECEIVED

NOV. 01 1984

MINING LANDS SECTION

DATE	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALES REP.
June 27/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
	Express Charges Gray Coach CJ001271 6/14/84					\$ 13.65	
	Delivery By Atripco					8.05	
	Express Charges Gray Coach CJ001272 6/22/84					13.95	
	Delivery by Atripco					8.05	
15	Assays Au				\$ 8.50	127.50	
15	Sample Handling				2.75	41.25	
Cert. No. AR-70 June 27, 1984							
TOTAL						\$212.45	

3212



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO:

C.W. Archibald Limited,
Attention: Mr. J.C. Archibald,
702, 100 Adleaide Street West,
TORONTO, Ontario
M5H 1S3

SHIP TO

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP.
July 4/84						Net 30	
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
15	Assays Au					\$ 8.50	\$ 127.50
15	Sample Handling					2.75	41.25
Cert. No. AR-72 July 4, 1984							
TOTAL							\$ 168.75

MOORE SPEEDPLY - 3 - MOORE CLEARPRINT PATENTED 1963-1964 7080E

E & OE

INVOICE

3234



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO:

C.W. Archibald Limited,
Attention: Mr. J.C. Archibald,
702, 100 Adelaide St. West,
TORONTO, Ontario
M5H 1S3

SHIP TO

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP.
July 12/84						Net 30	
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
14	Assays Au					\$ 8.50	\$ 119.00
14	Sample Handling					2.75	38.50
Cert. No. AR-73 July 12, 1984							
TOTAL							\$ 157.50

MOORE SPEEDPLY - 3 - MOORE CLEARPRINT PATENTED 1963-1964 7080E

E & OE



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO:

C.W. Archibald Limited,
Attention: Mr. J.C. Archibald,
702, 100 Adelaide Street West,
TORONTO, Ontario
M5H 1S3

S H I P T O

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP
July 20/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
	Express Charges:						
	6/20/84 Gray Coach - 43699, 436700						
	Atripco Delivery						
	6/21/84 Gray Coach - 436708						
	Atripco Delivery						
	EXPRESS Charges						
	6/20/84 Gray Coach - 43699, 436700						27.25
	Atripco Delivery						10.65
	6/21/84 Gray Coach 436708						12.70
	Atripco Delivery						8.05
						Total.	58.65

INVOICE

3147



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLD TO:

C.W. Archibald Limited,
Attention: Mr. J.C. Archibald,
702 - 100 Adelaide Street West,
TORONTO, Ontario
M5H 1S3

S H I P T O

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP
June 15/84						Net 30	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
64	Assays Au				\$ 8.50	\$	544.00
64	Sample Handling				2.75		176.00
Cert. No. AR-65 June 15, 1984							
				ST			\$ 720.00
28	Assays Au				\$ 8.50	\$	238.00
28	Sample Handling				2.75		77.00
Cert. No. AR-66 June 15, 1984							
				ST			\$ 315.00
						TOTAL	\$ 1035.00

JL

ARCHIBALD MINING AND EXPLORATION LTD.,

INVOICE # 385 B.

May 31, 1984.

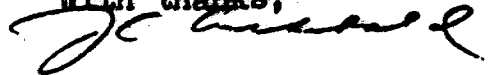
IN ACCOUNT WITH-

New Augarita Porc. Mines Ltd.,
3240 Bloor St. W.,
Toronto, Ont. M8X 1E4

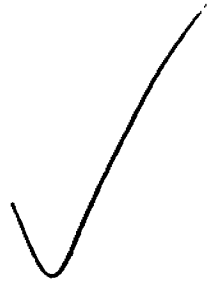
Re: Work performed by J.D.Ferguson (Self-employed explorer-
ationist) on the Company's property during the month of May/84
as coregrabber, property manager, prospector, and sampler:

From May 22 through 31 @ \$60.00 per day..... \$600.00

With thanks,



Agent for J.D.Ferguson



*Rec'd 200 as Advance
Pay 400 is remainder
of 745*

KA

June 15, 1984.

ARCHIBALD MINING AND EXPLORATION LTD.,

IN ACCOUNT WITH -

NEW AUGARITA PORCUPINE MINES LTD.,
3240 Bloor St. W.,
Toronto, Ont. M8X 1E4

Re: Work performed on the Company's property in Rathbun Twp,
from June 1 through 15th/84:

Expenses: (May 30-June 1/84)

Airfare.....	\$140.00	
	5.00	
Car rental....	\$100.00	
Gas.....	\$102.51	
Motel.....	\$ 44.00	
Hdwre, copies shipping etc..		105.87
Food.....	49.79	
Paragon prints: (29397)....	7.00	
Photos.....	53.81	
→ Assayers (3076)...	247.50	✓ check
→ Telephone April.....	36.00	
May.....	40.11	
Xerox-May.....	33.80	
Subtotal	\$965.39\$965.39

Expenses: (June 11-12/84)

Airfare.....	\$140.00	
	5.00	
Car rental....	44.42	
Hardware.....	20.26	
Food.....	39.58	
Motel.....	23.00	
Gas.....	10.00	
Shipping.....	9.10	
Photocopies...	2.00	
→ J.D.Ferguson (1 -15th)	900.00	
→ R.Ferguson... (1-15th)	900.00	
J.C.Archibald services..	2000.00	
Subtotal..	4097.36\$4097.36

Total Due.....

\$5062.75

With thanks,

J.C.Archibald, BSc. Geologist

ARCHIBALD MINING AND EXPLORATION LTD.,

June 30, 1984.

IN ACCOUNT WITH-

New Augarita Porcupine Mines Ltd.,
3240 Bloor St.W.,
Toronto, Ont. M8X 1E4

Re: Work on the Company's Rathbun Twp. property during
June/84(16th to 30th) with regards to VLF Survey, prospecting,
sampling, logging core, sampling and assaying:

Expenses: Trip June 18-20:

Travel.....278.85
Motel..... 70.14
Gas..... 81.90
Car rental. 44.48
Restaurant. 41.36
Hdwre..... 71.28

Subtotal..587.93.....\$ 587.93

Trip June 24-26:

Travel.....228.00
Motel..... 48/30
Gas.....103.01
Rest.....111.16
Hdwre..... 16.95

→ Boat rent..100.00

→ Core move..110.00

Shipping... 9.00

→ Truck rent.300.00 - JA

Subtotal.. 1027.12.....\$ 1027.12

→ J.D.Ferguson services(18 days).....\$ 1080.00

→ R.I.Ferguson services(12 days).....\$ 720.00

Paragon Printing....# 32636.....\$ 15.72

" 31625.....\$ 34.72

→ ASSAYERS LTD..... # 3147.....\$ 1035.00

" 3173.....\$ 292.50

" 3161.....\$ 315.00

" 3178.....\$ 551.25

Camp Supplies(Receipts for June)..... \$ 580.00

Truck rental June 1-15 \$ 300.00 - JA

J.C.Archibald Office and Field Services.....\$ 1500.00 -

Total due.....\$ 8039.24

With thanks,

Note: June Tel., Xerox and additional

J.C.A.
PL.
nlz
51
PK. July 4

702 - 100 ADELAIDE ST. W.
TORONTO, CANADA
M5H 1S3
TEL (416) 363-3084

July 31, 1984

IN ACCOUNT WITH -

New Augarita Porcupine Mines Ltd.,
3240 Bloor St. W.,
Toronto, Ont.
M8X 1E4

Re: Work performed on the Company's property in
Rathbun Township from July 1 through 31, 1984:

Travel Expenses: (2 trips Timmins Return)

Car Rental.....	\$234.16	/
Parking.....	\$16.65	/
Gas.....	\$308.83	/
Food.....	\$137.97	/
Motel.....	\$145.60	/
Printing.....	\$ 9.23	/
Film.....	\$35.02	/
→ Assayers Ltd. #3212 ..	\$168.75	} 21526 Q
#3234 ..	\$157.50	
#3262 ..	\$58.65	
#AR68 ..	\$35.65	
#BPX ..	\$9.70	
#3188 #3194 ..	270.00	
	212.45	
J.C.A. Field Time		
July 3, 4, 17, 18...	\$800.00	
Office Time		
6 days ...	\$900.00	
Telephone	\$29.00	
June/84		
Xerox	\$48.40	
June/84		
Paragon #38152.....	\$ 7.00	

Total due \$3584.45

With Thanks,

John C. Archibald
J.C. Archibald, B.Sc. Geologist

Rec. Aug 8/84

JCA

August 31, 1984.

IN ACCOUNT WITH-

New Augarita Porcupine Mines Ltd.,
3240 Bloor St. W., 2nd. Floor,
Toronto, Ont. M8X 1E4

Re: Work performed for the Company during the month of August, 1984, with regards to Summary reports on the Rathbun, Twp. Project, Core pickup, data compilation, office work etc.:

Travel Expenses

Gas receipts	\$37.00
Truck mileage.....	\$100.00
Subsistence.....	\$ 39.38
→ Assay Inv.#3298.....	\$ 56.25
Paragon prints:	
#39778.....	\$ 21.91
#39779.....	\$111.85
#40536.....	\$ 7.00
#40982.....	\$ 7.00
Xerox July/84.....	\$ 32.80
Xerox Aug/84.....	\$ 18.40
Telephone July/84.....	\$ 23.24
Subtotal..	<u>\$ 554.93</u>\$554.83

J.C.Archibald Services.....	Field.....	\$400.00
	Office.....	<u>\$500.00</u>
Grand Total.....		\$1454.83

With thanks,

J.C. Archibald, BSc. RECEIVED

NOV 01 1984

JCA:ea

PL. Sept 12/84 MINING LANDS SECTION

Entered Sept 12/84

JCA



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M6Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-65/ #3146

Date: June 15, 1984

Received June 5/84 64 Samples of Drill Core

Submitted by C.W. Archibald Ltd. Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton	Sample No.	Au oz/ton
84-5- 1	<u>.003</u>	84-6- 3	.001	NA 84-7-10	<u>.009</u>
2	<.001	4	.001	11	.001
3	<.001	5	.001	12	<.001
4	<.001	6	<.001	13	<.001
5	.002	7	.001	14	.002
6	.001	8	<u>.004</u>	15	.001
7	.001	9	.001	16	.001
8	<u>.019</u>	10	<.001	17	<.001
9	<u>.046</u>	11	.001	18	.003
10	<u>.004</u>	12	.003	NA 84-7-19	.001
11	.002	84-6-13	<u>.004</u>	84-8- 1	.001
12	.002	NA84-7- 1	.002	2	.002
13	<.001	2	<u>.006</u>	3	.001
84-5-14	<.001	3	.001	4	.001
NA-5-15	<.001	4	.001	5	.001
16	.001	5	<.001	6	<.001
17	<u>.027</u> <i>main trench</i>	6	.001	7	.002
NA-5-18	<u>.014</u> <i>MAW trench</i>	7	.001	8	<.001
84-6- 1	<u>.010</u>	8	<u>.007</u>	9	.001
84-6- 2	.001	NA84-7- 9	.001	10	.001
				11	.001
		84-8-13	.002	84-8-12)	.001
		84-8-20	.002		

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-66 / #3146 ³¹¹⁷ Date: June 15, 1984
 Received June 6/84 28 Samples of Drill Core
 Submitted by C.W. Archibald Ltd. Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton
84-8-14	<u>.012</u>	84-9-15	<.001
15	.003	84-10- 1	.001
16	.002	2	.001
17	.001	3	<u>.004</u>
18	.001	4	<.001
84-8-19	.001	5	<.001
84-9- 1	<.001	6	.001
2	<.001	84-10- 7	<.001
3	<.001		
4	<.001		
5	<.001		
6	<.001		
7	<.001		
8	<.001		
9	<.001		
10	<.001		
11	<.001		
12	.002		
13	.001		
84-9-14	<.001		

ASSAYERS (ONTARIO) LIMITED

Per 
 J. van Eggelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-66 / #3146

Date: June 15, 1984

Received June 6/84 28 Samples of Drill Core

Submitted by C.W. Archibald Ltd. Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton
84-8-14	.012	84-9-15	<.001
15	.003	84-10- 1	.001
16	.002	2	.001
17	.001	3	.004
18	.001	4	<.001
84-8-19	.001	5	<.001
84-9- 1	<.001	6	.001
2	<.001	84-10- 7	<.001
3	<.001		
4	<.001		
5	<.001		
6	<.001		
7	<.001		
8	<.001		
9	<.001		
10	<.001		
11	<.001		
12	.002		
13	.001		
84-9-14	<.001		

ASSAYERS (ONTARIO) LIMITED

Per


J. van Eggelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-68/ #3161

Date: June 20, 1984

Received June 15/84 28

Samples of Drill Core

Submitted by C.W. Archibald Limited

Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton
NA 84 ⁻¹⁰ 8	<.001	84-4-21	<.001
9	<.001	22	<.001
10	<.001	23	<.001
11	<.001	24	<.001
12	<.001	84-4-26	.001
13	<.001	84-5-17	<.001
14	<.001	18	.003
15	<.001	84-5-19	<.001
16	<.001		
17	<.001		
18	.006		
19	<.001		
20	<.001		
21	<.001		
22	<.001		
23	<.001		
24	<.001		
25	<.001		
26	<.001		
NA 84 27	<.001		

ASSAYERS (ONTARIO) LIMITED

Per 

J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-69-03/ #3178 Date: June 22, 1984
 Received June 20/84 49 Samples of Drill Core & Rock
 Submitted by C.W. Archibald Limited Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton
NAP -65	.003
NAP -66	.001
NAP-84-15	<u>.050</u>
LC 1	.002
2	<.001
3	<.001
4	.002
5	<.001
LC 6	<.001

9+60N 3+70W (6")
 " (6") QV (05°) - ?
 " (4") (1005)
 " (6") otz gabb S. Wall
 <C Pit QU dump of trench
 <C " gmb ?

9+60N 3+70W (6")
 " (6") QV (05°) - ?
 " (4") (1005)
 " (6") otz gabb S. Wall
 <C Pit QU dump of trench
 <C " gmb ?

ASSAYERS (ONTARIO) LIMITED

Per

J. van Engelen Mar



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M6Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-69-01-02 / #3178

Date: June 22, 1984

Received June 20, 1984 49 Samples of Drillcore & Rock

Submitted by C.W. Archibald Limited Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton
NA-84-3-35	<.001	NA-84-11-6	.002
36	.003	7	<.001
37	<.001	8	<.001
38	.006	9	<.001
39	.001	NA-84-11-10	<.001
40	<u>.004</u>	NAP-50	.001
41	<.001	51	.001
42	<.001	52	.001
43	.001	53	.001
44	<.001	54	.001
45	<.001	55	<.001
46	<.001	56	<.001
47	<.001	57	<.001
48	<.001	58	.001
NA-84-3-49	<.001	59	.001
NA-84-11-1	<.001	60	<.001
2	<.001	61	<u>.006</u>
3	<.001	62	<u>.029</u>
4	<.001	63	<u>.022</u>
NA-84-11-5	.002	NAP-64	<u>.24</u>

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION

574395 ONTARIO INC.,
 167 LAKESHORE LANE,
 TIMMINS, ONTARIO.
 P4N 7A1.

APRIL 9th 1984

New Augarita Porcupine Mines Ltd.,
 3240 Bloor St. West, 2nd Floor,
 Toronto, Ontario.
 M8X 1E4.

B.Q. Wireline Surface Diamond Drilling - Rathburn Township
March 25 - April 5 1984

Hole # NA 1	From	0 to 15	- 15'	Casing
		15 to 331	- 316'	Coring
Hole # NA 2	From	0 to 9	- 9'	Casing
		9 to 224	- 215'	Coring
Hole # NA 3	From	0 to 7	- 7'	Casing
		7 to 312	- 305'	Coring
<u>Total footage for period</u>				867 Feet

Casing	31' @ \$19.00	589.00	
Coring	836' @ \$19.00	<u>15,884.00</u>	\$16,473.00
<u>Cost of taking tests</u>			
Hole # NA 1	1 acid test @ 30.00	<u>30.00</u>	30.00
<u>Cost of material</u>			
200 trays (4000')	@ \$6.00	<u>1200.00</u>	1200.00
<u>Other charges TRENCHING</u>			
3 hours tractor time	@ \$9.00	27.00	
3 hours labour time	@ 18.50	<u>55.50</u>	82.50
			<u>\$17,785.50</u>

RECEIVED
 NOV 01 1984
 MINING LANDS SECTION

Good cheque #14
Feb 29/84
21,000.00
17,785.50
3,214.50 credit

574395 ONTARIO INC.,
167 LAKESHORE LANE,
TIMMINS, ONTARIO
P4N 7A1

May 25, 1984

New Augarita Porcupine Mines Ltd.,
3240 Bloor St. West, 2nd Floor,
Toronto, Ontario
MSX 1E4

B.Q. Wireline Surface Diamond Drilling - Rathburn Township

April 5 - May 17

Hold # NA 3 From 305 to 592 - 287'

Hole # NA 4 From 0 to 324 - 324'

Hole # NA 5 From 0 to 385 - 385'

Total footage for period 996 feet

Coring 996' @ \$19.00 \$18,924.00

Cost of taking tests

Hole # NA 5 1 acid test @ \$30.00

Hole # NA 4 1 acid test @ \$30.00

Hole # NA 5 1 acid test @ \$30.00

90.00

TOTAL

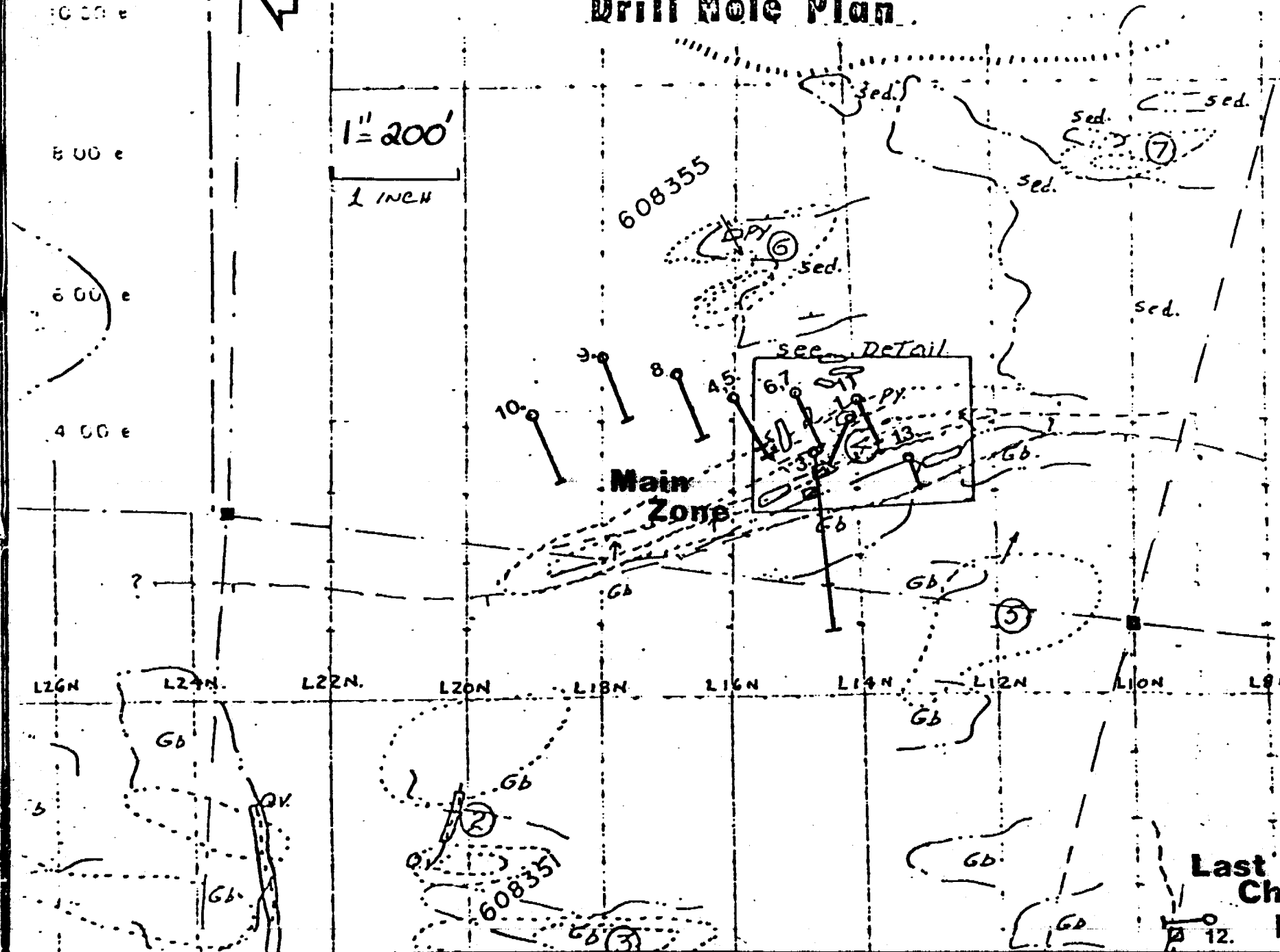
\$19,014.00

NEW AUGARITA PORCUPINE MINES LTD.

Drill Hole Plan.



1" = 200'
1 INCH



NEW AUGARITA PORCUPINE MINES LTD.
Drill Hole Plan.

Last
Chance
Pit

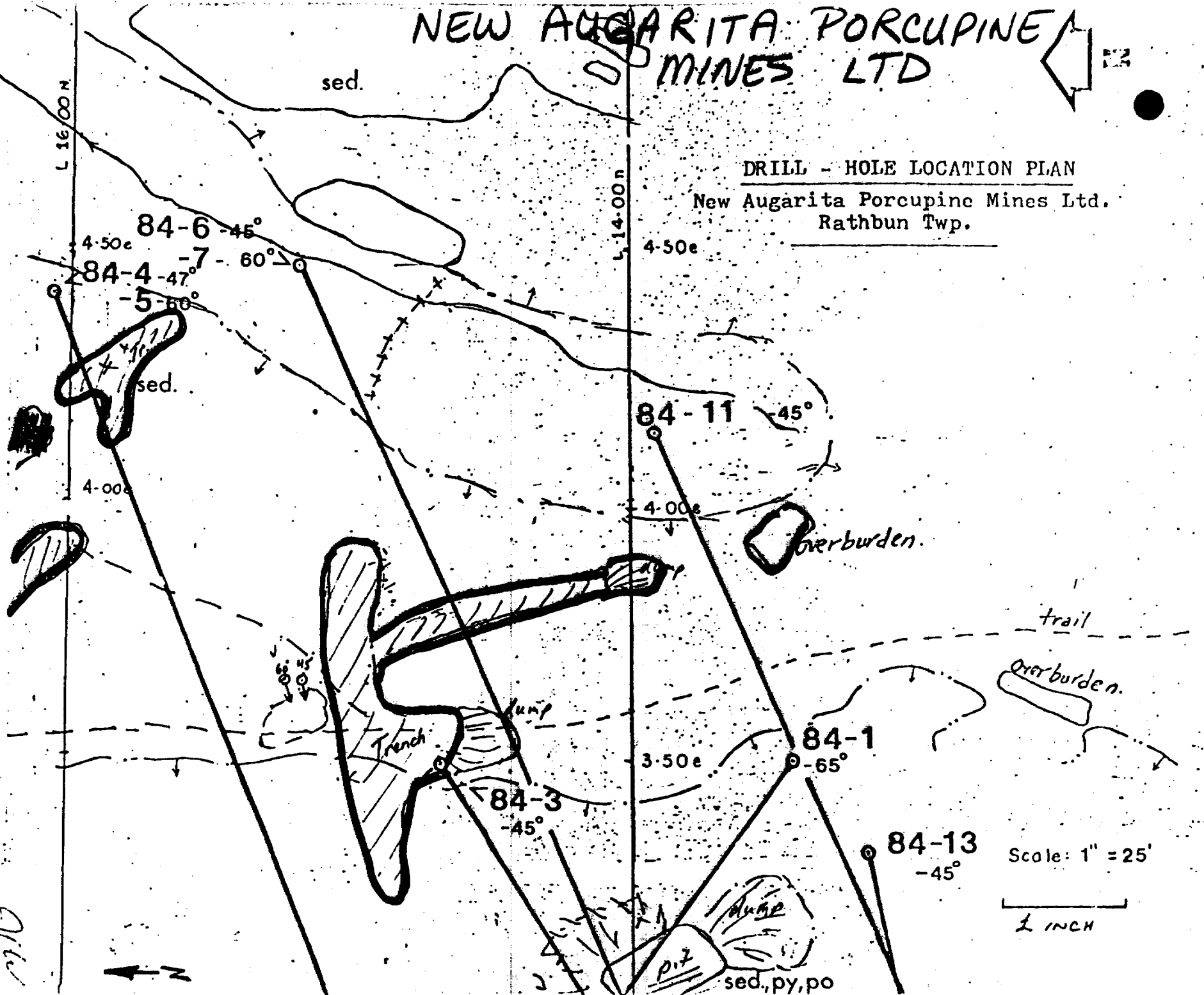
NEW AUGARITA PORCUPINE MINES LTD

DRILL - HOLE LOCATION PLAN

New Augarita Porcupine Mines Ltd.
Rathbun Twp.

NEW AUGARITA PORCUPINE MINES LTD.

Fig. 2
9/16





ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-67 / #3173

Date: June 22, 1984

Received June 13, 1984 26

Samples of Drillcore & Rock

Submitted by C.W. Archibald Ltd.

Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton
<u>Hole #3</u>		<u>PROSP - TRENCHING</u>	
84-3-30	<.001	NAP-7	.002
31	<.001	8	.004
32	<.001	9	.003
84-3-33	<.001	10	<.001
84-4- ^{Hole #4} 18	<.001	11	<.001
19	<.001	12	<.001
84-4-20	<.001	13	<.001
NAP-1	.013	14	.004
2	.019	NAP-15	<.001
3	.019	NA-18	.004
4	.004	19	<.001
5	.001	20	<.001
NAP-6	.005	NA-21	<.001

ASSAYERS (ONTARIO) LIMITED

Per J. van Engelen

J. van Engelen

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION

Jla



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-69-01-02 / #3178

Date: June 22, 1984

Received June 20, 1984 49 Samples of Drillcore & Rock

Submitted by C.W. Archibald Limited Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton	Sample No.	Au oz/ton
<u>NA-84-3-35</u> <i>Hole #3</i>	<.001	NA-84-11-6	.002
36	.003	7	<.001
37	<.001	8	<.001
38	<u>.006</u>	9	<.001
39	.001	NA-84-11-10	<.001
40	<u>.004</u>	<u>PROSP. TRENCH</u> NAP-50	.001
41	<.001	51	.001
42	<.001	52	.001
43	.001	53	.001
44	<.001	54	.001
45	<.001	55	<.001
46	<.001	56	<.001
47	<.001	57	<.001
48	<.001	58	.001
NA-84-3-49	<.001	59	.001
<u>NA-84-11-1</u> <i>Hole #11</i>	<.001	60	<.001
2	<.001	61	.006
3	<.001	62	<u>.029</u>
4	<.001	63	<u>.022</u>
NA-84-11-5	.002	NAP-64	<u>.24</u>

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION

JLW



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. AR-69-03/ #3178 Date: June 22, 1984
Received June 20/84 49 Samples of Drill Core & Rock
Submitted by C.W. Archibald Limited Att'n: Mr. J.C. Archibald

Sample No.	Au oz/ton.
<u>PROSP + TRAINING</u> NAP -65 ↓	.003
NAP -66	.001
NAP-84-15	<u>.050</u>
LC 1 <u>LAST CHANCE PIT</u> ↓	.002
2	<.001
3	<.001
4	.002
5	<.001
LC 6	<.001

ASSAYERS (ONTARIO) LIMITED

Per


J. van Engelen Mar

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION

L 10N

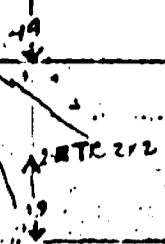
L 8N

L 6N

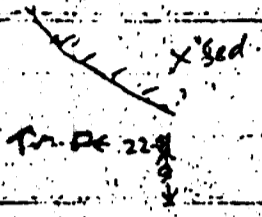
L 4N.

← N

TR 242

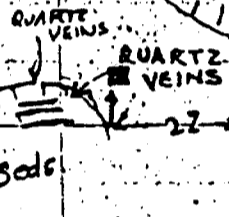
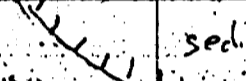
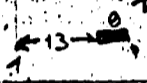


TR 272



TR 229

TR 13



QUARTZ VEINS

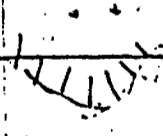
QUARTZ VEINS

TR 111



LAKE MATAGAMISI

SED.



TRENCH DIMENSIONS
IN PACE
1 PACE = 2.7'

14W

15W

16W

17W

L10N

L8N

L6N

L4N

TR

TR #12

TR #10

LAST CHANGE PIT

(LAST CHANGE) 35' SHAFT

TR

32 PACE

TR

33

6" @ 105°
3 10° S.

Sod

Tr. 35

CREEK

LAKE MATAGAMISI

TRENCH-DIMENSION 2.7 ft.
1 PACE

1 PACE

10

W

W

3W

4W

5W

6W

7W

8W

9W

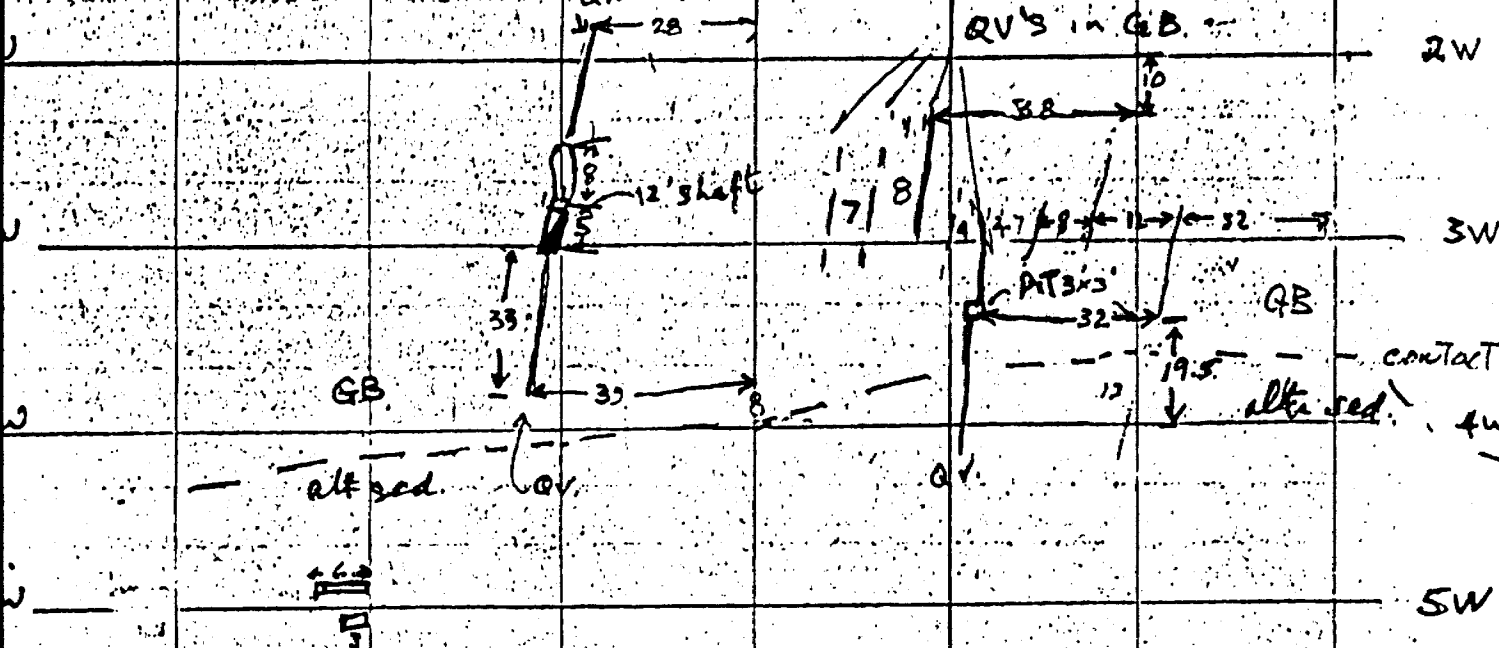
← N

L 16 N

L 14 N

L 12 N

WE



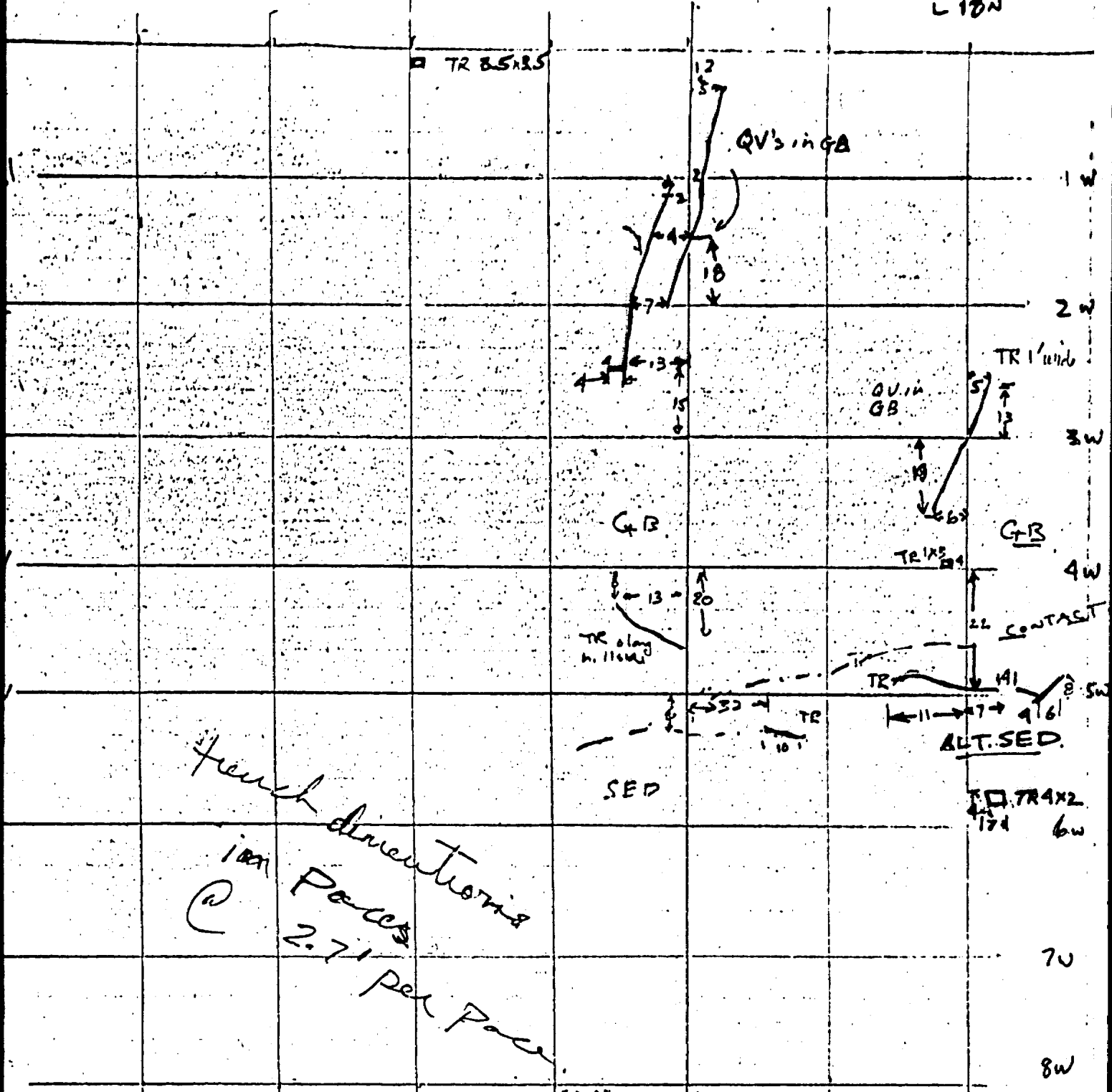
TRENCH DIMENSIONS
 1 PACE = 2.7 feet

← N 24° W

L 22° N

L 20° N

L 18° N



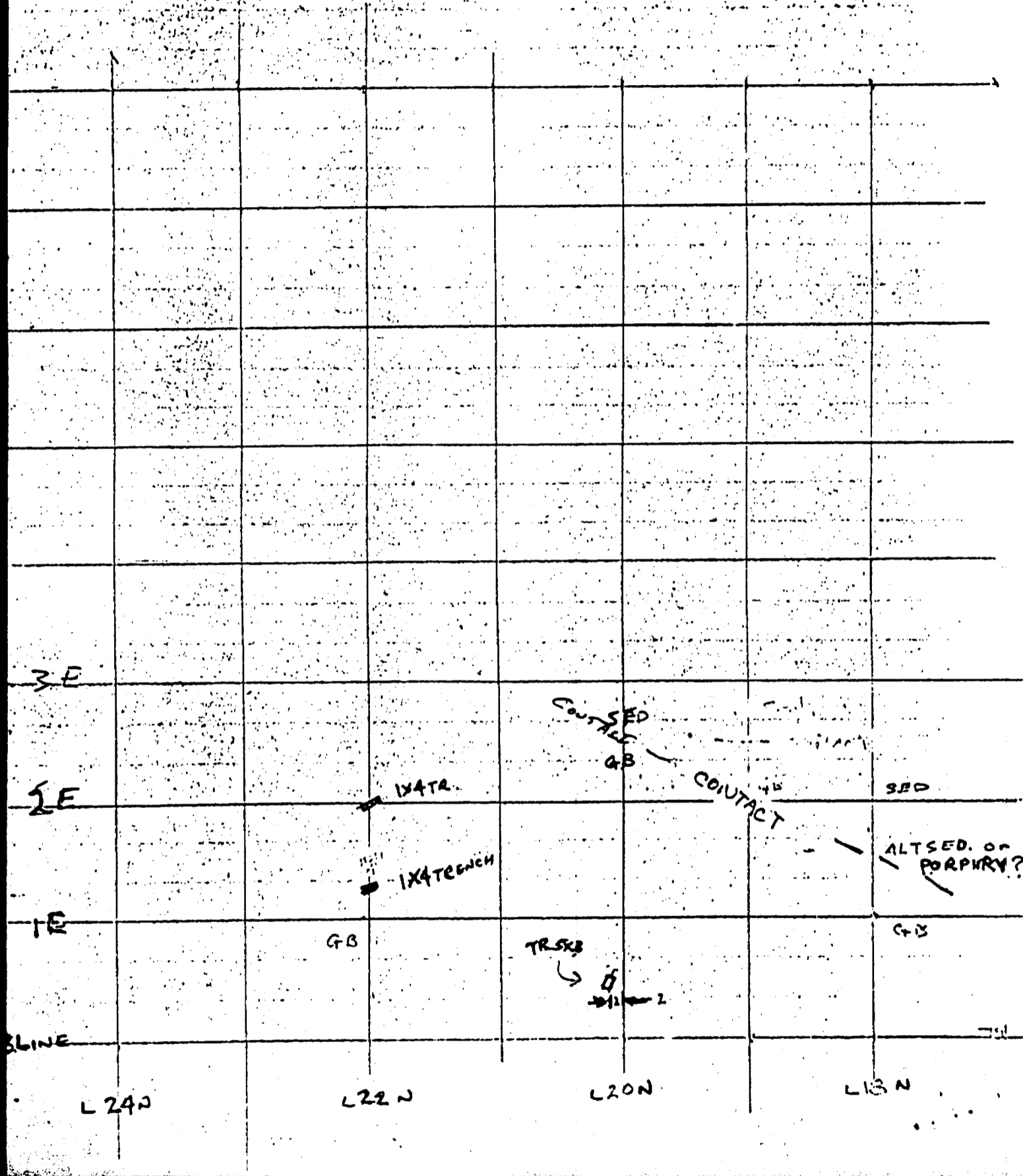
French directions
 in Paces
 @ 2.71 per Pace

TR 4x2
 174 6w

7 W

8 W

20





411155E0058 0035 RATHBUN

900

Mining Lands Section

File No 2.7367

Control Sheet

TYPE OF SURVEY _____ GEOPHYSICAL
 _____ GEOLOGICAL
 _____ GEOCHEMICAL
 ✓ _____ EXPENDITURE

MINING LANDS COMMENTS:

- 1 local logs
 - Need to relate sample nos. to
 plans.

Lgd.
 L.D.

Dennis K.
 Signature of Assessor

Jan. 11/85
 Date



Instructions - Supply required data on a separate form for each type of work to be recorded (see table below).
- For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Mining Act

Name and Postal Address of Recorded Holder: **New Augarita Porcupine Mines Ltd.**
3240 Bloor St.W., Toronto, Ont. M8X 1E4

Prospector's Licence No. **11668**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 161.5	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey <input checked="" type="checkbox"/> Core Specimens	S	608351	10.8	S	608458	10.8			
		608352	10.8		608459	10.8			
		608354	10.8		608460	10.8			
		608355	10.8		608461	10.8			
		608356	10.8		608462	10.8			
		608358	10.8		608463	10.8			
		608456	10.8		608464	10.8			
		608457	10.8						

All the work was performed on Mining Claim(s): **S608354, 608355, 608351**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

4037.5 ft. of Bq core delivered to the McPharland yard in Sudbury, Ont.
 Core is boxed, marked and stacked (Attn. Fred Shaver or Joanna Martins)
 Depth: 25ft..... $4037.5/25' = 161.5$ days

RECEIVED
 NOV 01 1984
 MINING LANDS SECTION

Date of Report: **Oct. 10, 1984**
 Recorded Holder or Agent (Signature): *J.C. Archibald*

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 Postal Address of Person Certifying:
JOHN C. ARCHIBALD
Suite 702 - 100 Adelaide St. W.
TORONTO, ONT. M5H 1S3

Date Certified: **Oct. 10/84**
 Certified by (Signature): *J.C. Archibald*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted	Names and addresses of owner or operator	



Mining Act

Name and Postal Address of Recorded Holder New Augarita Porcupine Mines Ltd., 3240 Bloor St. W., Toronto, Ont. M8X 1E4	Prospector's Licence No. P1668
--	--

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 74.25	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	S	608351	5.0	S	608458	5.0	S		
		608352	5.0		608459	5.0			
		608354	5.0		608460	5.0			
		608355	5.0		608461	5.0			
		608356	5.0		608462	5.0			
		608358	5.0		608463	5.0			
		608456	5.0		608464	5.0			
	608457	5.0							

All the work was performed on Mining Claim(s): **S608355**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

John Deere 450 Tractor with Blade for stripping outcrop performed by R. Todorovich: RR#1 MacLean Dr. Timmins Ont. P4N7C3
P. Colbert: 167 Lakeshore Lane, Timmins, Ont.
R. Tessier: RR#1 Wanapitei, Ont.

Total Hrs. = 54hr. at a Cost of \$742.50 = 742.5/10 = 74.25 credits
Location Plan enclosed
Work Performed from March 25 to July 2, 1984.

Date of Report Oct. 10, 1984.	Recorded Holder or Agent (Signature) <i>J. Colbert</i>
---	---

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 Postal Address of Person Certifying JOHN C. ARCHIBALD Suite 702 - 100 Adelaide St. W. TORONTO ONT. M5H 1S3	Date Certified Oct 10/84	Certified by (Signature) <i>J. C. Archibald</i>
---	------------------------------------	--

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator	
Power Stripping <input checked="" type="checkbox"/>	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		



Mining Act

Name and Postal Address of Recorded Holder: **New Augarita Porcupine Mines Ltd.**
 3240 Bloor St.W., Toronto, Ont. M8X 1E4
 Prospector's Licence No. **P1668**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 116.7	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
For Performance of the following work. (Check one only) <input checked="" type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	S	608351	7.8	S	608458	7.8			
		608352	7.8		608459	7.8			
		608354	7.8		608460	7.8			
		608355	7.8		608461	7.8			
		608356	7.8		608462	7.8			
		608358	7.8		608463	7.8			
		608456	7.8		608464	7.8			
		608457	7.8						

All the work was performed on Mining Claim(s): 608456, 608354, 608459, 608461, 608458, 608351, 608355, 608463, 608352, 608358, 608356
 Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Trenching, stripping and sampling: shovel, pick, rock hammer

J.D.Ferguson ; May 22 to July 2, 1984.....43 days
 RR#4 Huntsville, Ont.

R.I.Ferguson ; June 1 thro 27th, 1984.....27 days
 Apt. 316-260 Wellesley St.E., Toronto, M4X 1G6

Total days.... 70
 at 10 hr./day

700 hrs. ÷ 6hr./credit = 116.7 days credit

Geological Location Map enclosed

Date of Report: **Oct. 10, 1984.**
 Recorded Holder or Agent (Signature): *J.C. Archibald*

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 Postal Address of Person Certifying: **JOHN C. ARCHIBALD**
 Suite 702 - 100 Adelaide St. W.,
 Toronto, Ont. M5H 1S3
 Date Certified: **Oct 10/84**
 Certified by (Signature): *J.C. Archibald*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work <input checked="" type="checkbox"/>	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		



Ministry of Natural Resources

4-112 Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

Toronto File 2.7367 Mining Act

File S-608351

Instructions: Please type or print. If number of mining claims traversed exceeds space on this form, attach a list. Note: Only days credits calculated in the "Expenditures" section may be entered in the "Expend Days Cr." columns. Do not use shaded areas below.

Type of Survey(s): Assaying costs (for 4037.5' core and trench samples) Township or Area: Rathbun Twp (M1071)

Claim Holder(s): New Augarita Porcupine Mines Ltd., Prospector's License No. P1668

Address: 3240 Bloor St.W., Toronto, Ont. M8X 1E4

Survey Company: Archibald Mining and Exploration Ltd., Date of Survey (from & to): Nov 03 84 to Nov 07 84 Total Miles of line Cut: 84

Name and Address of Author of Geo Technical report: J.C. Archibald, 702-100 Adelaide St.W., Toronto, Ont. M5 h 1S3

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Electromagnetic	
	Magnetometer	
	Radiometric	
For each additional survey using the same grid Enter 20 days (for each)	Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter totals here	Geophysical	Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend Days Cr.	Prefix	Mining Claim Number	Expend Days Cr.
S	608456	28.7			
	608354	28.7			
	608459	28.7			
	608461	28.7			
	608458	28.7			
	608351	28.7			
	608355	28.7			
	608463	28.7			
	608352	28.7			
	608358	28.7			
X	608356	28.7			
	608457	28.7			
	608460	28.7			
	608462	28.7			
	608464	28.7			

RECEIVED NOV 16 1984 MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work: Assaying of Samples (core+whole rock)

Performed on Claims: S 608456, 608354, 608459, 608461, 608458, 608351, 608355, 608463, 608352, 608358, 608356

Calculation of Expenditure Days Credits

Total Expenditures: \$6458.25 ÷ 15 = Total Days Credits: 430.6

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter in the "Expend Days Cr." columns at right.

For Office Use Only

Total Days Cr. Date Recorded: 430.5 Nov 15/84 Mining Registrar (ALTING)

Date Approved: 8.11.11

Date: Oct 10/84

Recorded Holder or Agent (Signature): J. C. Archibald

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 Postal Address of Person Certifying: JOHN C. ARCHIBALD BSc Eng. 702-100 Adelaide St West Toronto Ont. M5H 1S3

Date Certified: Oct 10/84

Certified by (Signature): J. C. Archibald



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

The Mining Act

Type of Survey(s) ORE SPECIMEN ANALYSIS		Township or Area RATHBUN	
Claim Holder(s) NEW ARGARITA ORE MINES LTD		Prospector's Licence No. P 1668	
Address 3240 BLISS ST. W. TORONTO, ONT. M8X 1E4			
Survey Company ARCHIBALD MINING & EXPLORATION LTD.		Date of Survey (from & to)	
Name and Address of Author (or 3rd-Party) for this Report 100 ADELAIDE ST. W. SUITE 702 TORONTO, ONT. M5H 1B3		Day Mo. Yr. Day Mo. Yr.	
Name and Address of Author (or 3rd-Party) for this Report JOHN C ARCHIBALD			

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
5	608354	5			
	608358	5			
	608456	10			
	608457	30			
	608459	10			
	608460	30			
	608461	5			
	608462	30			
	608463	5			
	608464	31.5			

Expenditures (excludes power stripping)

Type of Work Performed ASSAYING ORE SPECIMENS
Performed on Claim(s) 5 608354, 608355, 608351
Calculation of Expenditure Days Credits
Total Expenditures \$ <input type="text"/> + 15 = <input type="text"/>
Total Days Credits <input type="text"/>

Total number of mining claims covered by this report of work.

161.5

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only			
Total Days Cr. Recorded	Date Recorded	Mining Recorder	
	Date Approved as Recorded	Branch Director	

Date Nov 28/84	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--------------------------	--

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 ARCHIBALD MINING & EXPLORATION LTD. 100 ADELAIDE ST. W., SUITE 702 TORONTO, ONT. M5H 1B3	Date Certified Nov 28/84	Certified by (Signature) <i>[Signature]</i>
--	------------------------------------	--

NEW AUGARITA PORCUPINE MINES LIMITED

Second Floor, 3240 Bloor Street West,
Toronto, Ontario, Canada M8X 1E4
Telephone (416)231-6824

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
CONVERT FILE	<input type="checkbox"/>
BY	
JAN 10 1985	
D. E. YUNDT	
J. R. MORTON	
J. C. SMITH	
W. L. GOOD	
L. J. HOGAN	
W. P. BROOK	
MINING R. 6643	

January 8, 1984.

Ministry of Natural Resources,
Whitney Block, Room 6643,
Queen's Park,
Toronto, Ontario, M7A 1W3.

Attention: Mr. S.E. Yundt,
Director, Land Management Branch.

Dear Sir: Re: Your file 2.7367

With respect to your letter of December 14, 1984, concerning our Assaying Work Report, let me advise you of the following.

In a telephone conversation of today with Dennis Kinvig of your office, he confirmed that our geologist, John Archibald, had attended your offices on the previous day. Mr. Archibald should have provided you with the information requested on items 1 and 2 of your letter.


With respect the other issue raised in your letter, Mr. Kinvig informs me that your policy is also to accept a letter stating and confirming the amount of expenditures, signed by an officer of the Company.

Therefore, I do hereby confirm and verify the Work Report of Assaying Costs, submitted on the Company's behalf by John Archibald as Agent, and that the Company did spend \$6,458.25 as reported for Assaying costs as submitted with our Work Report.

I would appreciate your reply should there be any further questions or deficiencies.

Yours sincerely,

NEW AUGARITA PORCUPINE MINES LIMITED


Basil Gerol,
President.

BG:gg

RECEIVED

JAN 10 1985

MINING LANDS SECTION

1984 11 08

Your File:
Our File: 2.7367

Mining Recorder
Ministry of Natural Resources
199 Larch Street
Sudbury, Ontario
P3E 5P9

Dear Sir:

We received Data for Assaying on November 1, 1984 submitted under Section 77(19) of the Mining Act R.S.O. 1980 for Mining Claims S 608456 et al in the Township of Rathbun.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-6918

cc: Augarita Porcupine Mines Limited
3240 Bloor Street West
Toronto, Ontario
M8X 1E4

cc: J.C. Archibald
702-100 Adelaide Street West
Toronto, Ontario
M5H 1S3



Ministry of
Natural
Resources

Core Specimen

Office of the Mining Recorder
Ontario Government Building
199 Larch Street, 10th Floor
Sudbury, Ontario, P3E 5P9

December 5, 1984

New Augarita Porcupine Mines Limited
3240 Bloor St.W., 2nd Fl.,
Toronto, Ontario, M8X 1E4

Attention: Basil Gerol, President

Dear Mr. Gerol:

SUBJECT: Reports of Work on Mining Claims S.608351 et al,
Rathbun Township

Thank you for your letter of November 28, 1984, together
with attachments.

We have, this date, recorded 161.5 days of Core Specimen
credits as follows:

S.608354, S.608358, S.608461, S.608463	5	days/cim.
S.608456, S.608459	10	days/cim.
S.608457, S.608460, S.608462	30	days/cim.
S.608464	31.5	days

Normally, a copy of your Report of Work together with the
drill logs, in duplicate, are forwarded to The Assessment
Files Research Office in Toronto. As I understand you will
be filing for Diamond Drill credits, in the near future,
I will retain your Logs on file at this office until I receive
your Report. That way, I will not require another set of
logs.

Your earlier Report, dated October 10, 1984, is being returned
herewith as per your request. Should you have any questions,
please do not hesitate to contact this office.

Yours very truly,

V.C. Miller
Mining Recorder
Sudbury Mining Division
Telephone (705) 675-4125

December 14, 1984

Your File: 2.7367

New Augarita Porcupine Mines Ltd
3240 Bloor Street West
Toronto, Ontario
M8X 1E4

Dear Sirs:

RE: Data for Assaying submitted on
Mining Claims S 608351 et al
in the Township of Rathbun

In order to complete your submission for the above-mentioned survey please provide:

- 1) the drill logs showing the sample locations and results *O.K.*
- 2) the trench sample locations, so that we may relate the sample numbers on the certificates of analyses with the sample plan *O.K.*

In addition, we have received signed receipts for \$3410.20. The expenditure days credits will be calculated from this amount unless we receive additional signed receipts or cancelled cheques.

*still
waiting
1/80 2/85*

For further information, please contact Dennis Kinvig at (416)965-4888.

Yours sincerely,

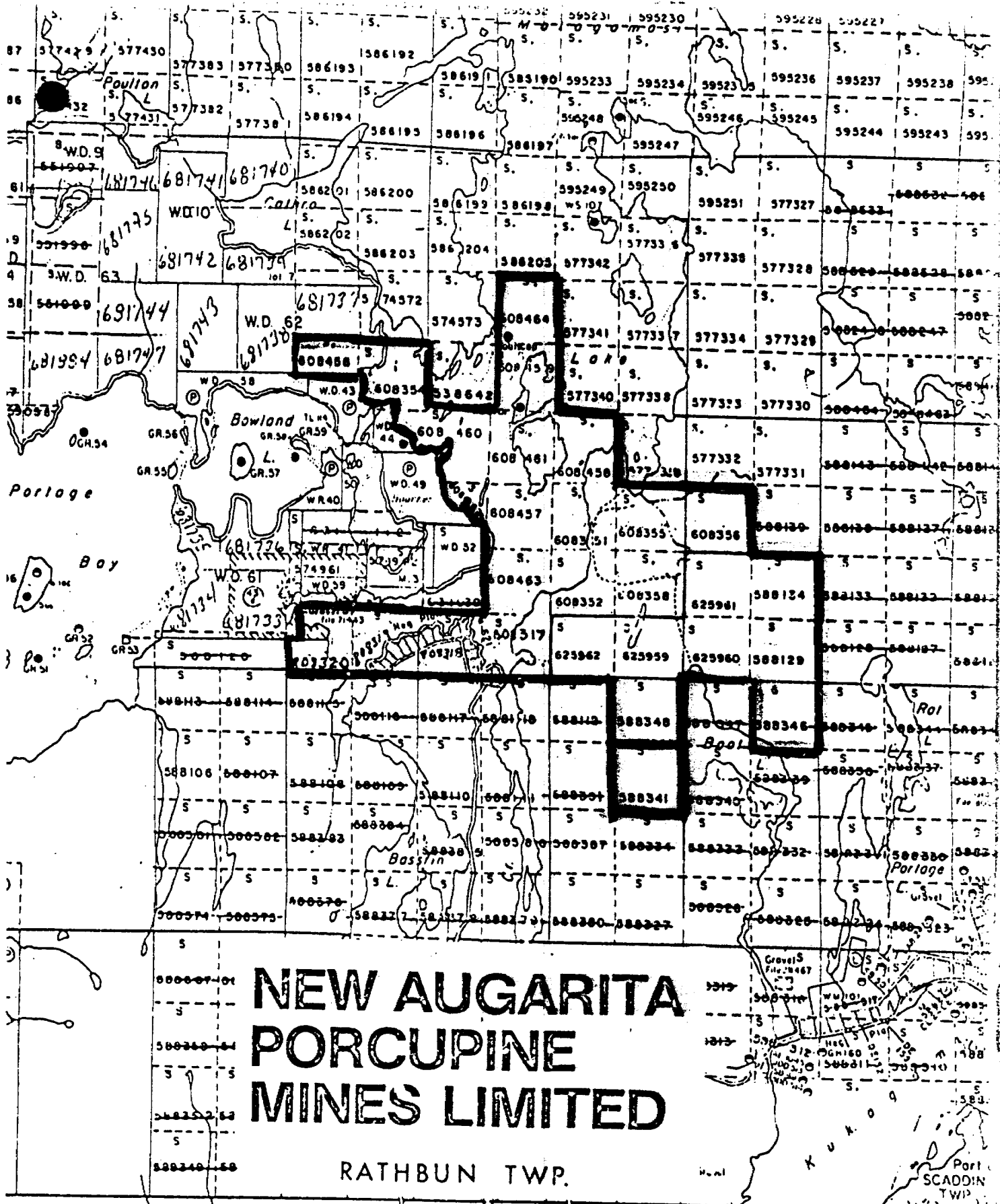
S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

B. Kinvig:mc

cc: Archibald Mining & Exploration Ltd
Suite 702
100 Adelaide Street West
Toronto, Ontario
M5H 1S3

cc: Mining Recorder
Sudbury, Ontario
File: #84-112



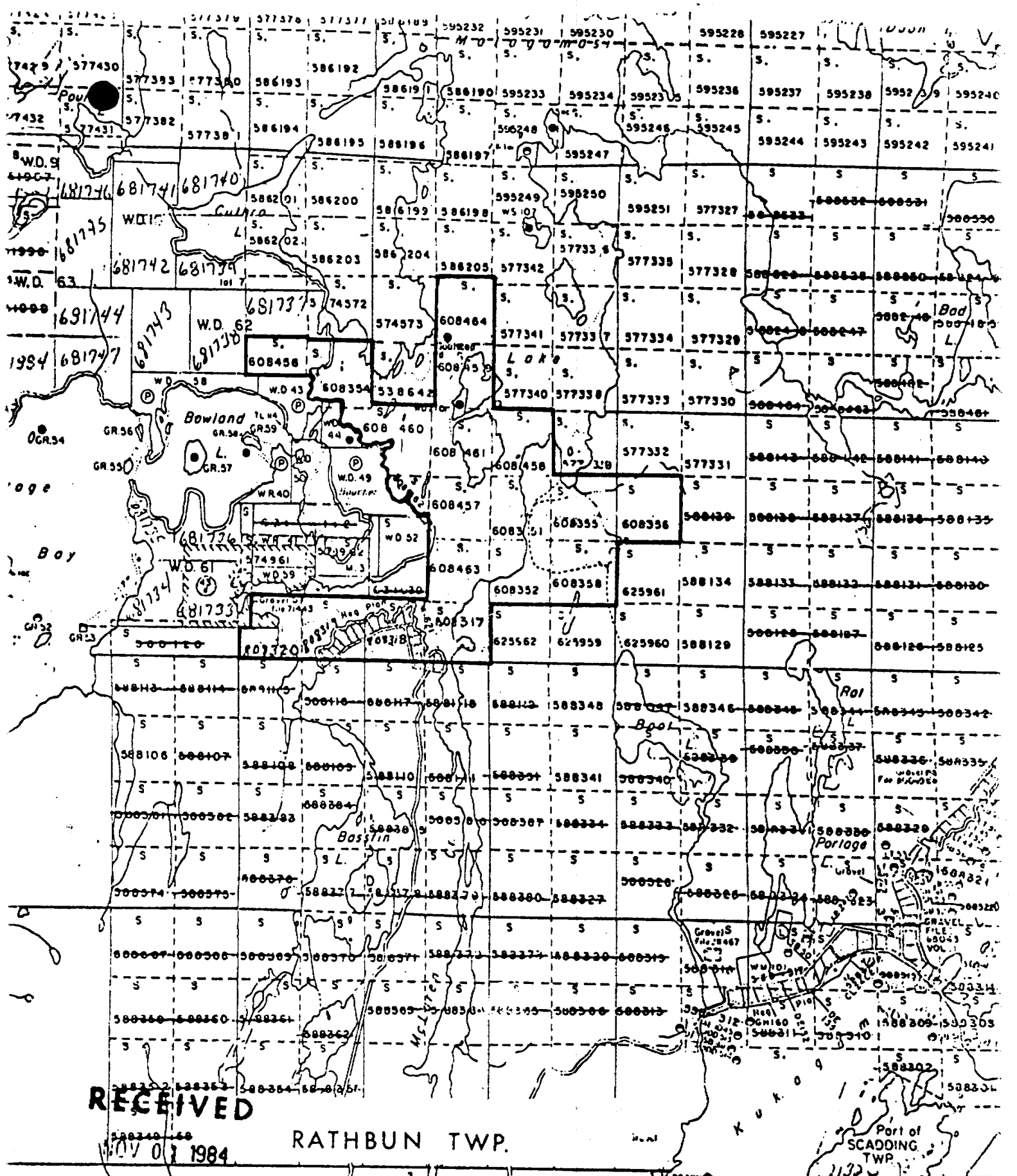
NEW AUGARITA PORCUPINE MINES LIMITED

RATHBUN TWP.

1 INCH = 1/4 mi.

SCADDING TWP. M.1092

FIG. 1a



RECEIVED

NOV 01 1984

RATHBUN TWP.

MINING LANDS SECTION

1" = 1/4 mi.

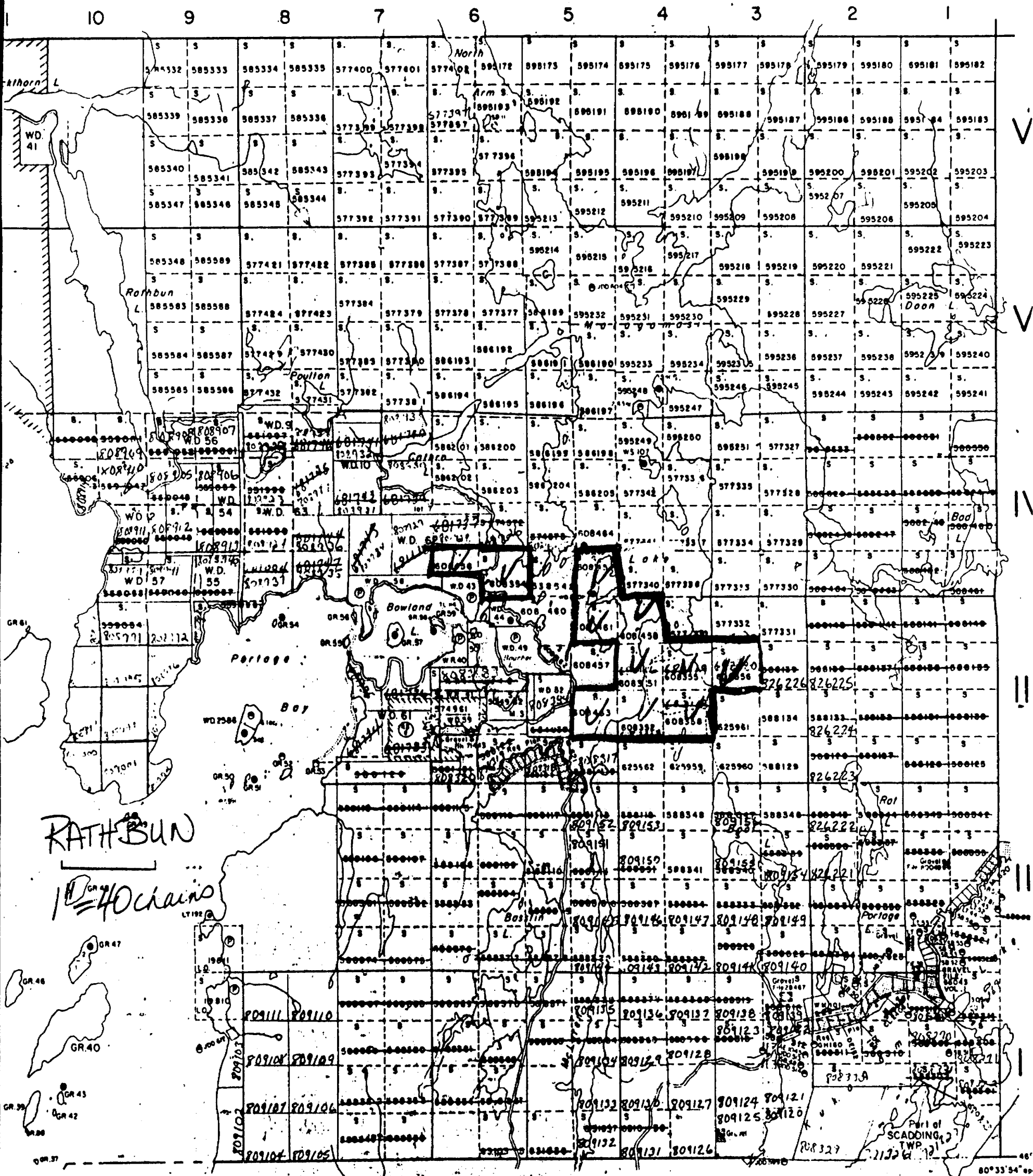
1 INCH

SCADDING TWP. M.1092

FIG. 1a

80°3

MACKELCAN TWP. M.840



RATHBUN

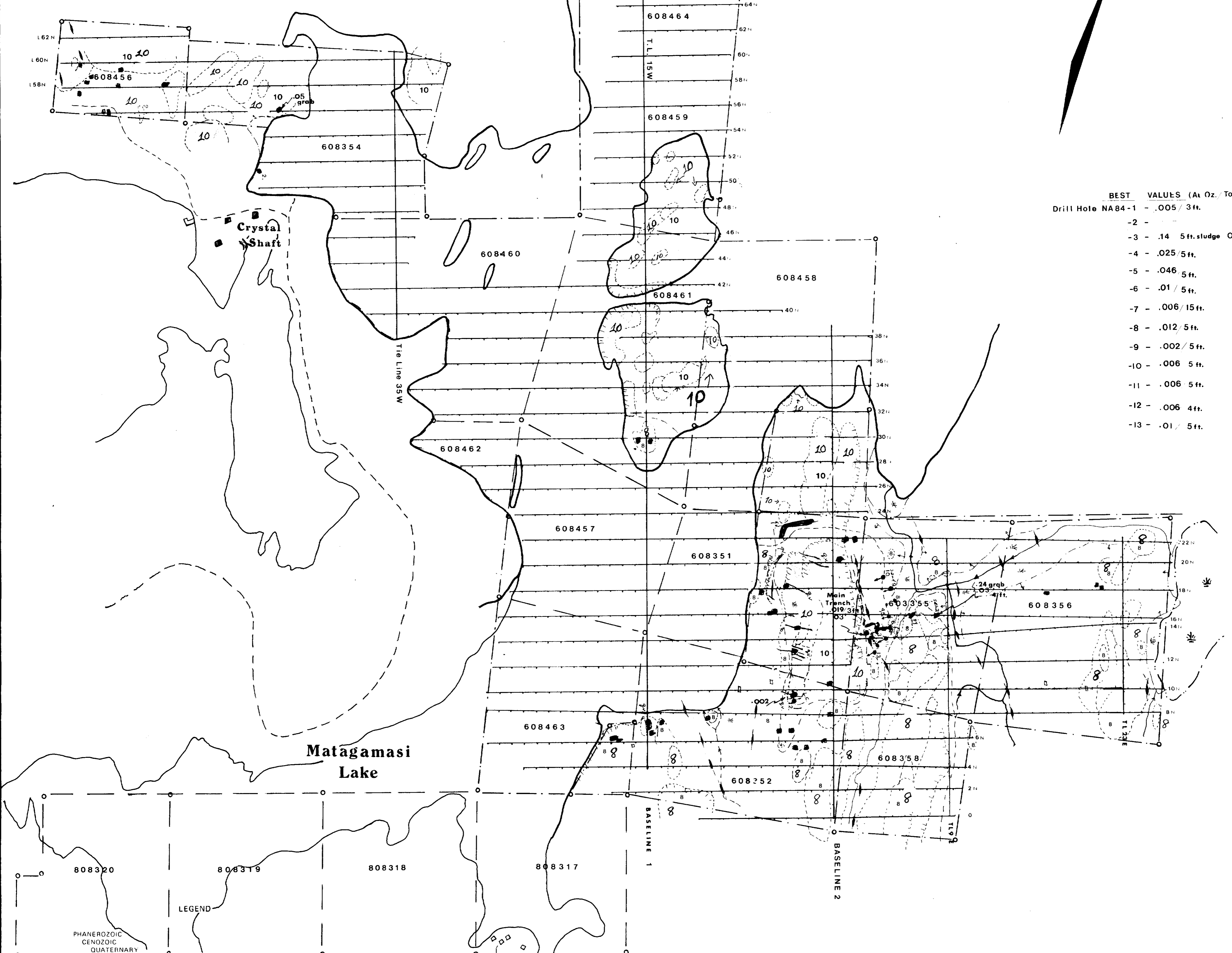
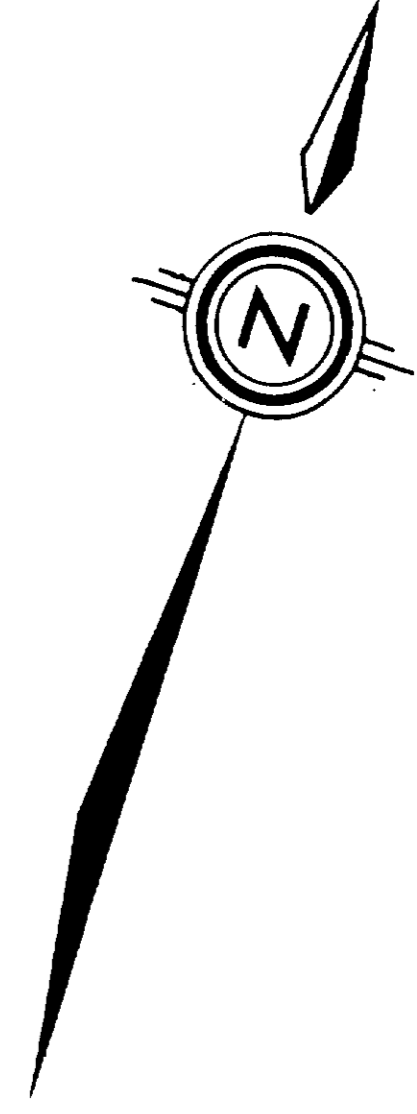
1/4 = 40 chains

SCADDING TWP. M.1092

FOR ADDITIONAL
INFORMATION

SEE MAPS:

RATHBUN-0035 #1



Drill Hole	BEST VALUES (At Oz./Ton)
NA84-1	.005 / 3 ft.
-2	-
-3	.14 5 ft. sludge 05 7 ft.
-4	.025 / 5 ft.
-5	.046 / 5 ft.
-6	.01 / 5 ft.
-7	.006 / 15 ft.
-8	.012 / 5 ft.
-9	.002 / 5 ft.
-10	.006 / 5 ft.
-11	.006 / 5 ft.
-12	.006 / 4 ft.
-13	.01 / 5 ft.

LEGEND

PHANEROZOIC
CENOZOIC
QUATERNARY
PLEISTOCENE AND RECENT

12 Fluvial and glacial sand and gravel; swamp deposits

UNCONFORMITY

PRECAMBRIAN
MIDDLE TO LATE PRECAMBRIAN
MAFIC INTRUSIVE ROCKS

11 Olivine diabase

INTRUSIVE CONTACT

MIDDLE PRECAMBRIAN
NIPISSING INTRUSIVE ROCKS

10
10a Quartz gabbro
10b Pegmatitic gabbro
10c Granitic and granitic pegmatite dike rock

INTRUSIVE CONTACT

HURONIAN SUPERGROUP
COBALT GROUP
Lorrain Formation

9
9a Pink to pinkish grey arkose
9b Grey wacke
9c Grey arkose
9d Grey to greenish grey arkose

Gowganda Formation

8
8a Orthoconglomerate
8b Paraconglomerate
8c Arkose
8d Massive wacke
8e Laminated wacke

QUIRKE LAKE GROUP
Serpent Formation

7 Quartz sandstone

Espanola Formation

6
6a Limestone, carbonaceous wacke
6b Carbonaceous wacke

Bruce Formation*

5 Conglomerate

HOUGH LAKE GROUP
Mississagi Formation

4 Quartz sandstone and arkose

UNCONFORMITY

EARLY PRECAMBRIAN
METAMORPHOSED MAFIC INTRUSIVE ROCKS*

3 Diabase

INTRUSIVE CONTACT

METAVOLCANICS AND METASEDIMENTS
METASEDIMENTS*

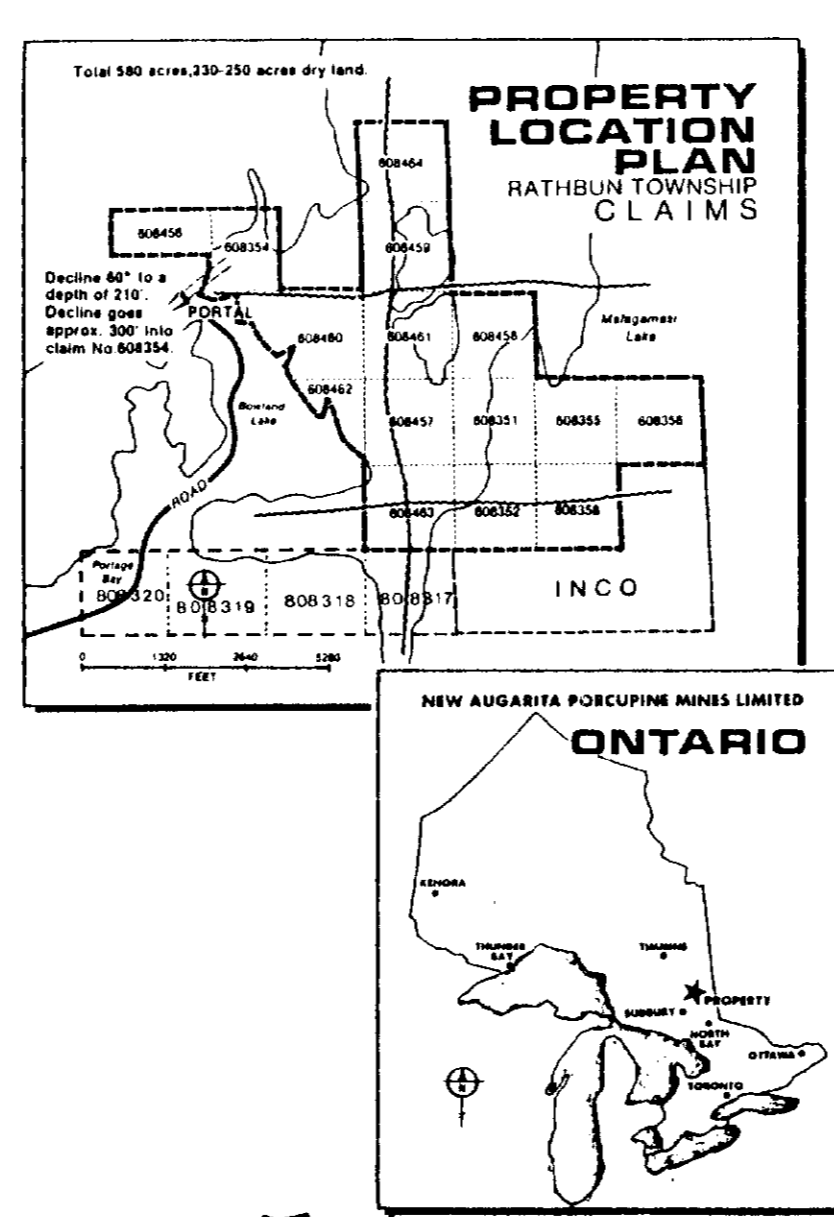
2 Quartz sandstone, quartz wacke

METAVOLCANICS
Mafic to Intermediate Metavolcanics*

1 Mafic metaur

LEGEND

○ - claim post
○ - outcrop
~ - creek
- - - - trench
■ - shaft
☁ - swamp
● - DRILL HOLES.



NEW AUGARITA PORCUPINE MINES LTD.

Geological Survey

Scale 1 in. = 400 ft.

Plate 4

2-1367

RATHBUN-0035 #

