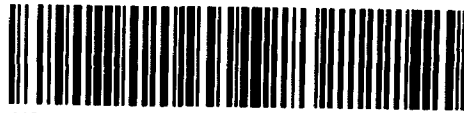


Done



41P12SW0072 33 CHESTER

010

DIAMOND DRILLING

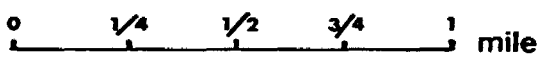
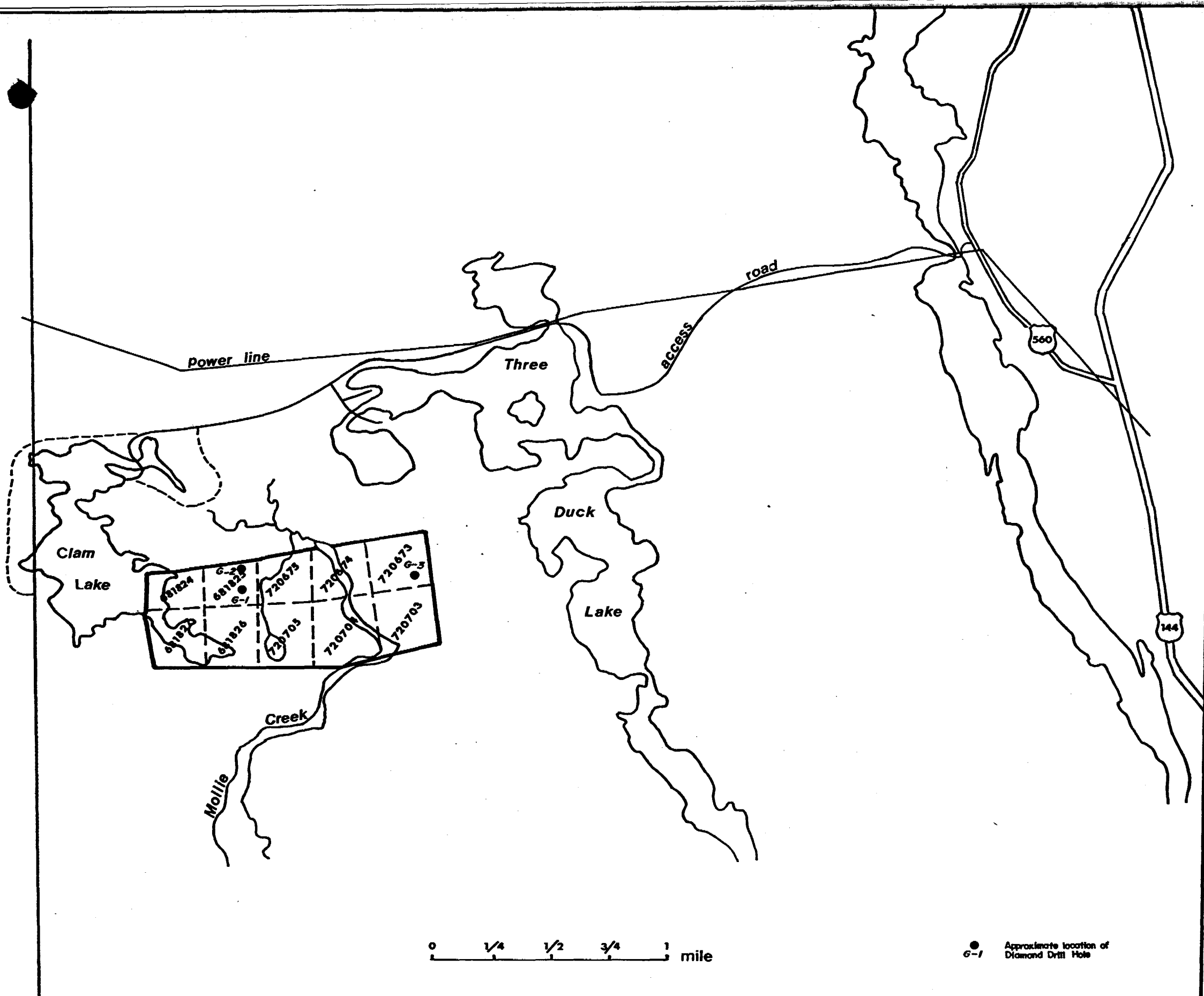
TOWNSHIP: Chester

REPORT No.: 33

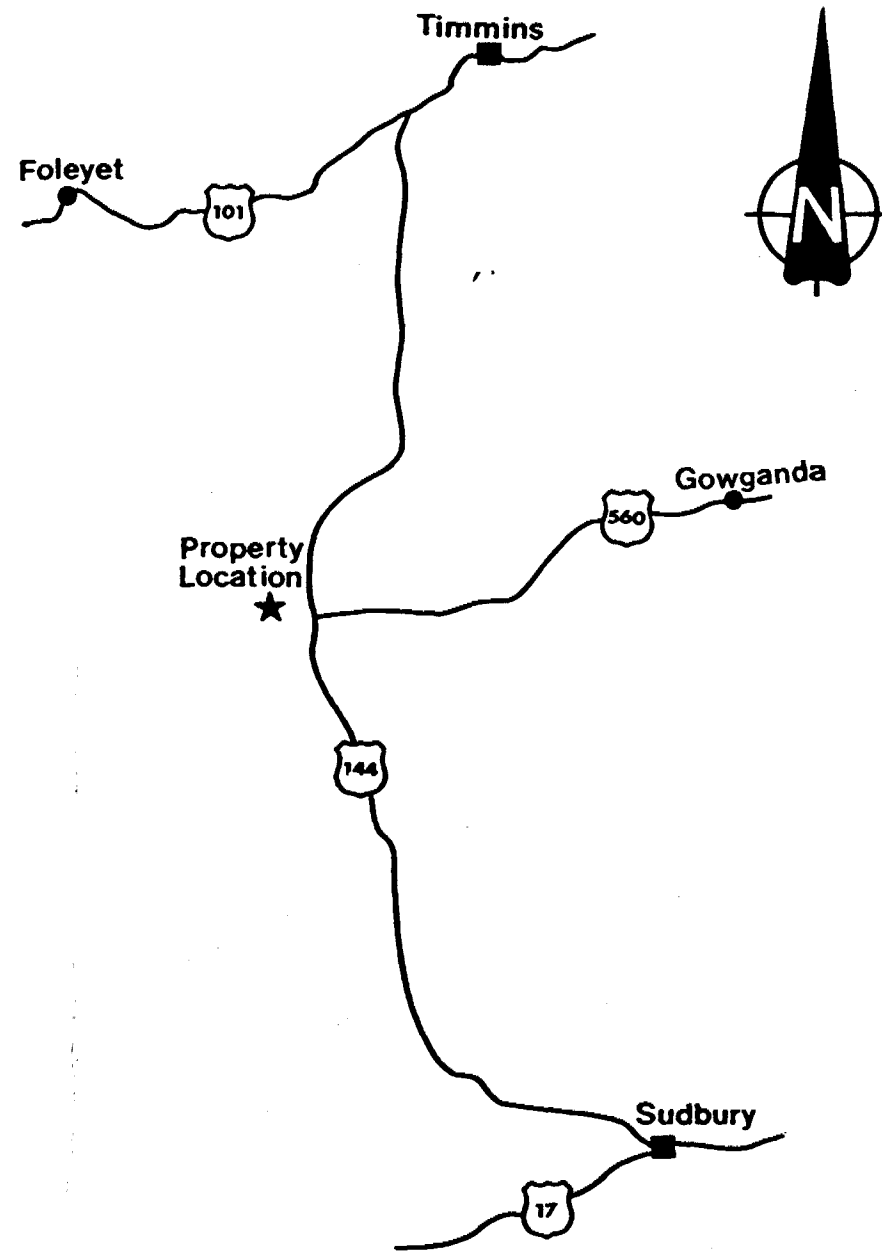
WORK PERFORMED BY: Edward Jones Blanchard

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 681825	85-G-1	381'	May/85	(1)
	85-G-2	151'	May/85	(1)
P 720673	85-G-3	400'	June/85	(1)
		<u>932</u>		

NOTES: (1) #205-85



● G-1 Approximate location of Diamond Drill Hole



CHESTER TR. DDR # 33

REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.	
June 1985	for GOGAMA RESOURCES	
	Title	
	CLAIM INDEX	
	Fig. 2	
Date: NOV. 1984	Scale:	N.T.S.:
Drawn: C.G.	Approved:	File: M-87

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	Gogama Resources	M-87	HOLE NUMBER:	85 - G-1
AREA:	Gogama		LOCATION:	L89W 41+65S
CLAIM NUMBER:	P 681 025		AZIMUTH:	180°
CORE SIZE:	BQ		DIP:	-45°S
DRILLED BY:	Norex Drilling		DATE:	May 23, 1985 - May 29, 1985
LOGGED BY:	Bruce Durham		CASING:	12'
CORE STORED AT:	Kirby Street Warehouse		LENGTH:	381
OBJECTIVE:			ACID TESTS:	

Bruce Durham

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
0	12	<u>CASING</u>							
12	29	<u>GRANODIORITE</u> Grey massive uniform weakly to moderately fractured.							
29.5	36	<u>BRECCIATED, HEMATIZED GABBRO</u> Fine grained hematized, broken weakly calcitic weakly foliated dark green (red) chloritic mafic unit of uncertain origin.							
36	41	<u>GREY GRANODIORITE</u> as at 12-29.5.							
41	75.5	<u>GRANODIORITE (Pink)</u> Poor core recovery through highly fractured and broken ground as evidenced by considerable extraneous material in core box which includes granite, lamprophyre, gabbro, diabase. 66 - 68.2 narrow fine grained irregular mafic dikes. 68 - 75.5 grey granodiorite. 71 1/2" chlorite calcite shear @ 45° to CA.							
75.5	85.6	<u>MAFIC VOLCANIC REMNANT?</u> Very fine grained andesitic to basaltic unit weakly fractured, containing .5% fine patchy pyrite. Minor chalcopyrite on some chloritic hematized fractures.							
85.6	102.7	<u>MAFIC VOLCANIC REMNANT?</u> As at 75.5 but medium grained and more chloritic and calcitic from 95.5.							
102.7	110	<u>GREY TO PINK GRANODIORITE</u>							
110	137.5	<u>CHLORITE ALTERED HORNBLENDE DIORITE</u> Rather strongly chlorite (after hornblende?) altered intermediate to mafic intrusive now containing quartz feldspar clots within a fine chloritic matrix - minor							

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
		sericite may also be present.							
		123.7 - 127.7 silicified weak sericite alteration .5% pyrite. Minor shearing near contact at 55°.	55°		67702	123.7	127.7	4	
137.5	154.3	<u>HORNLENDE GABERO</u> Massive equigranular uniform medium grained.							
154.3	159	<u>FINE GRAINED GABERO</u> Marginal phase.							
159	160.5	<u>QUARTZ VEIN (on contact)</u> Quite barren looking white quartz-chlorite vein containing only trace pyrite, chalcopyrite.			67701	159	160.5	1.5	
160.5	205.4	<u>DIORITE</u> Hypidiomorphic, medium grained, massive fresh greenish pink diorite.							
		183.5 1/2" chlorite calcite shear @ 45°. 194 - 194.4 fine grained mafic dike. 195.9 - 199.9 fine grained mafic dike.							
205.4	221.7	<u>FELDSPAR PORPHYRY DIKE OR SILL</u> Upper Contact Massive inequigranular, orphyritic with white feldspars 1 set in a finer grained matrix of biotite, amphibole and feldspar.	50°						
		218.3 - 218.6 chloritic dike or shear containing calcite. Contacts	65°						
		219.2 - 219.7 chloritic dike Contacts (irreg)	70°						
		220.8 - 221.3 altered porphyry and mafic, chloritic dikes. Lower Contact	65°						

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
221.7	225.5	<u>HORNBLende DIORITE</u> Massive uniform hypidiomorphic textured "salt and pepper" diorite.							
225.5	230.1	<u>BASALT</u> Fine grained very weak schistose, very weakly epidotized, volcanic remnant or altered gabbro containing minor calcite.							
230.1	273.2	<u>GABBERO</u> Fresh, massive uniform gabbro to weakly foliated chlorite altered gabbro. 230 - 236.6 massive gabbro. 236.6 - 249.7 fine grained weakly schistose, foliated gabbro. 249.7 - 264.2 coarse grained gabbro. 264.2 - 273.4 fine grained altered gabbro or host volcanic remnant. 269.8 - 270.7 quartz chlorite calcite vein containing 5% pyrrhotite + minor chalcopyrite.			67703	269.8	270.7	.9	
273.2	291.7	<u>GRANDIORITE</u> Medium grained, massive granodiorite consisting of 20-30% quartz, 50% feldspar and 20-30% hornblende (+chlorite). All appear quite fresh and euhedral to subhedral. 282.2 - 283.5 grey and weakly altered. 285.2 - 285.5 chloritic mafic dike.							
291.7	292.5	<u>CHLORITIC ALTERED DIKE</u>							
292.5	319	<u>COARSE HORNBLende GABBERO</u> Hypidiomorphic granular massive gabbro cut by rare epidotized, chloritic fractures. 316.5 chalcopyrite, pyrite on chloritic fracture.							

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
319	329.9	<p><u>CHLORITIC, CALCITIC ALTERED GABBR0</u> Fine grained fratured, schistose, chloritic unit presumably a result of shearing and alteration of the gabbro.</p> <p>324.4 quartz chorite vein. 324.8 - 327.7 fine grained aplitic dike containing minor pyrite + trace chalcopryrite. Fractures are chlorite filled.</p>							
329.9	353.8	<p><u>COARSE GABBR0</u> as at 292.5 - 319.</p> <p style="text-align: right;">Lower Contact</p> <p>336.7 - 337.6 Grey altered zone + 1/2" quartz vein .5% chalcopryrite + 1/4" fault zone containing apple green chlorite or sericite!</p>	30°		67704	324.4	327.7		
353.8		<p><u>BLOTCY GABBR0</u> Weakly altered hornblende gabbro. Hornblende crystals are weakly chlorite altered and nests of feldspar + quartz give the unit a pseudo porphyritic texture. Feldspar crystals are ill defined crystal boundaries.</p>							
381		<p>END OF HOLE</p>							

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	Gogama Resources	M-87	HOLE NUMBER:	85 - G-2
AREA:	Gogama		LOCATION:	L89W 36S
CLAIM NUMBER:	P 681 825		AZIMUTH:	180°
CORE SIZE:	BQ		DIP:	-45°
DRILLED BY:	Norex Drilling		DATE:	May 29, 1985 - May 30, 1985
LOGGED BY:	Bruce Durham		CASING:	6'
CORE STORED AT:	Kirby Street Warehouse		LENGTH:	151
OBJECTIVE:			ACID TESTS:	

Bruce Durham

-39+00 S

-38+00 S

-37+00 S

-36+00 S

-35+00 S

-34+00 S

G-2

Casing

45°

Granodiorite

100'

Hornblende Syenite

Granodiorite

E.O.H. 151'

REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for	GOGAMA RESOURCES	
	Title	DDH G-2 L 89 W , 36+00 S	
	Date: June 1985	Scale: 1" = 100'	N.T.S.:
	Drawn: B.D./C.G.	Approved:	File: M-87

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t
0	6	<u>CASING</u>								
62	96	<p><u>GRANDIORITE</u> Grey green to pink equigranular uniform, medium grained moderately fractured massive granodiorite.</p> <p>7 - 20 fine grained diabase except 15-16.8. Fractures from 12-24 are intensely hematized.</p> <p>26 - 27.5 altered, moderately sericitized finer grained weakly schistose, minor pyrite + narrow milky white quartz stringer.</p> <p>29.8 - 45 rather sharp colour change to pink granodiorite. 38.5 trace chalcopryrite associated with narrow bleached zone (2").</p> <p>48 - 51 2 quartz stringers 1", 1/4" with chlorite, sericite alteration along walls of veins, veins cut CA @ 20". Minor pyrite, trace chalcopryrite.</p> <p>53.5 - 63 quite pink.</p> <p>58.7 1" barren quartz vein @ 45° to CA.</p> <p>66.5 Minor sericitization associated with narrow quartz calcite stringers @ 15° to CA.</p> <p>71.3 minor sericitization associated with narrow annealed hematized fault (1").</p> <p>73 - 96 quite pink.</p>	20°							
					67706	26	27.5	1.5		
					67707	48	51	3		

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
96	103	<p><u>HORNBLLENDE SYENITE?</u> Schistose dark green hornblende (chlorite) rich mafic dike containing significant pinkish fine grained feldspathic? material. Quite calcitic throughout. Lower contact marked by 1" calcite vein at 60" to CA.</p>	60"						
103	151	<p><u>PINK GRANODIORITE</u> Massive uniform medium grained equigranular. Quite bleached, fine grained and fractured to 110.5</p> <p>123.5 - 133.3 occasional fractures with hairline to 1" wide sericitized, silicified borders, trace pyrite.</p> <p>133.3 - 137 intensely altered, sericitized chloritized zone containing .5% pyrite and pyrite in 1/2" quartz vein at 20" to CA at 135. Quickly becomes normal granodiorite with only rare sericitized fractures.</p>	20"		67708	133.7	137	3.7	
151		<p>END OF HOLE</p>							

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	Gogama Resources M-87	HOLE NUMBER:	85 - G-3
AREA:	Gogama	LOCATION:	L40W 37+35S
CLAIM NUMBER:	P 720 673	AZIMUTH:	180°
CORE SIZE:	BQ	DIP:	-45°S
DRILLED BY:	Norex Drilling	DATE:	June 1, 1985 - June 3, 1985
LOGGED BY:	Bruce Durham	CASING:	5'
CORE STORED AT:	Kirby Street Warehouse	LENGTH:	400
OBJECTIVE:		ACID TESTS:	

Bruce Durham

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
0	5	<u>CASING</u>							
5	23.5	<u>GREY SILICIFIED TRONDHJEMITE</u> Vaguely crystalline massive, uniform weakly fractured medium grey weakly calcitic.							
23.5	29.6	<u>CHLORITE SCHIST - FAULT ZONE</u> Highly sheared, calcitic foliated-zone core is highly broken. Shearing	50-70°						
29.6	156	<u>TRONDHJEMITE</u> as at 5-23.5 but becoming lighter and more greenish coloured by 39.5. 39.9 1" quartz vein @ 30° to CA. 42.3 hairline fracture containing pyrite chalcopyrite at 50° to CA. 45.9 - 48.8 chlorite schist + calcite. From 49' trondhjemite becomes more of a diorite i.e. a little more mafic. 69 - 74 strongly sericite altered zone containing up to 10% pyrite over short sections. Sericitic and weakly kaolinized. A 1" cherty vein at 69.7 contains 10% pyrite + significant chalcopyrite. Sericite alteration has destroyed all but the quartz which remains as small oval grains. 74 - 80 rather dark weakly sericitic 80 - 108 typical trondhjemite - granodiorite 108 leucocratic - <5% hornblende weakly sericitic. some sericitization has occurred along certain	50°						
					67709	69	74		

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
		fractures resulting in the total destruction of ferromagnesian minerals.							
		115 1" quartz chlorite-calcite vein 40° to CA.	40°						
		126 - 127.7 chlorite schist - mafic dike.	60-70°						
		128 1/2" quartz vein + minor sericite @ 15°.	15°						
		132.4 - 133.9 moderate sericite alteration.							
		134.9 1" quartz vein @ 50° to CA.	50°						
		135.9 1/4" quartz vein @ 40° to CA.							
		142 - 151 slightly more altered.							
156	216.4	<u>GRANODIORITE</u> Quite pink, orthoclase rich, massive, equigranular granodiorte containing barely 10% quartz. Destruction of feldspars and ferro magnesian minerals gives the rock unit a fine grained texture and pink colour (calcite appears to be abundant in these sections).							
		193.7 1" quartz chlorite vein @ 50°.	50°						
		198.4 2 narrow quartz chlorite veins.							
216.4	221.0	<u>FINE GRAINED MAFIC DIKE</u> Massive fine grained weakly fractured, uniform.							
221	234.2	<u>PINK TO GREY GRANODIORITE</u> Medium to fine grained massive granodiorite becoming more grey green towards 234.2.							

DIAMOND DRILL HOLE LOG

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
234.2	238.4	<u>FINE GRAINED MAFIC DIKE</u> Massive fine grained, uniform weakly fractured dike.							
238.4	269	<u>PINK-GREEN GRANODIORITE</u> Fine to medium grained pink to pinkish green weakly fractured and altered becoming progressively more fractured from 245'. 265 - 269 intensely brecciated frequent calcite micro veins fault gauge etc.							
269	400	<u>HIGHLY FRACTURED AND ALTERED DIABASE</u> 269 - 280 highly fractured and pink altered fine grained diabase cut by frequent calcite fractures. Core angles (brecciation and fracturing indicate contact to be @ 60-70° to CA). Calcite veining decreases @ 283 but fracturing continues. The dike is strongly magnetic throughout. 340 - 343 minor calcite along fractures. 393.7 - 394.6 chlorite calcite veining trace pyrite + moderate hematite staining.							
400		END OF HOLE							



Name and Postal Address of Recorded Holder: Edward Jones Blanchard, "Chester Surf", C-27521

R.S. Middleton Exploration, P.O. Box 1637, Timmins, Ontario P4N 7W8

Summary of Work Performance and Distribution of Credits

Table with columns: Total Work Days Cr. claimed (932), Mining Claim Prefix/Number, Work Days Cr., and checkboxes for work types like Manual Work, Shaft Sinking, etc.

All the work was performed on Mining Claim(s): P 681 825 P 720673

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

Diamond Drilling for Gogama Resources Inc, Chester Twp. work performed by Norex Drilling, Porcupine, Ontario.

Stamp: ONTARIO GEOLOGICAL SURVEY, dated JUN 28 1985, listing core samples G-1, G-2, G-3 and a RECEIVED stamp dated JUN 13 1985.

Stamp: RECORDED JUN 13 1985, Receipt No. C

Date of Report: June 13 1985, Recorded Holder or Agent (Signature): R. Bruce Durham

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...

Name and Postal Address of Person Certifying: R. Bruce Durham

Box 1637, Timmins, Ontario P4N 7W8

Date Certified: June 13, 1985, Certified By (Signature): R. Bruce Durham

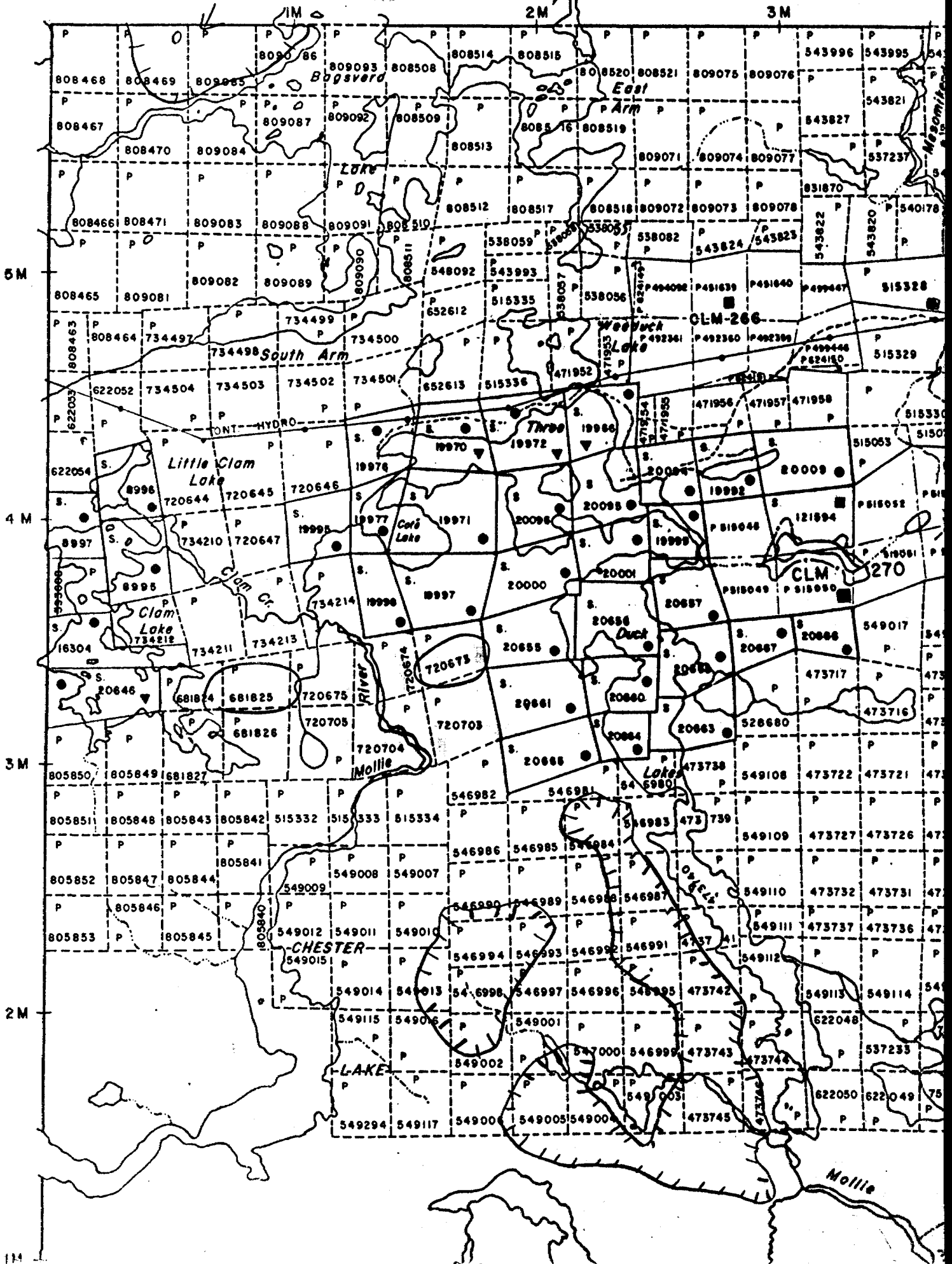
Table of Information/Attachments Required by the Mining Recorder

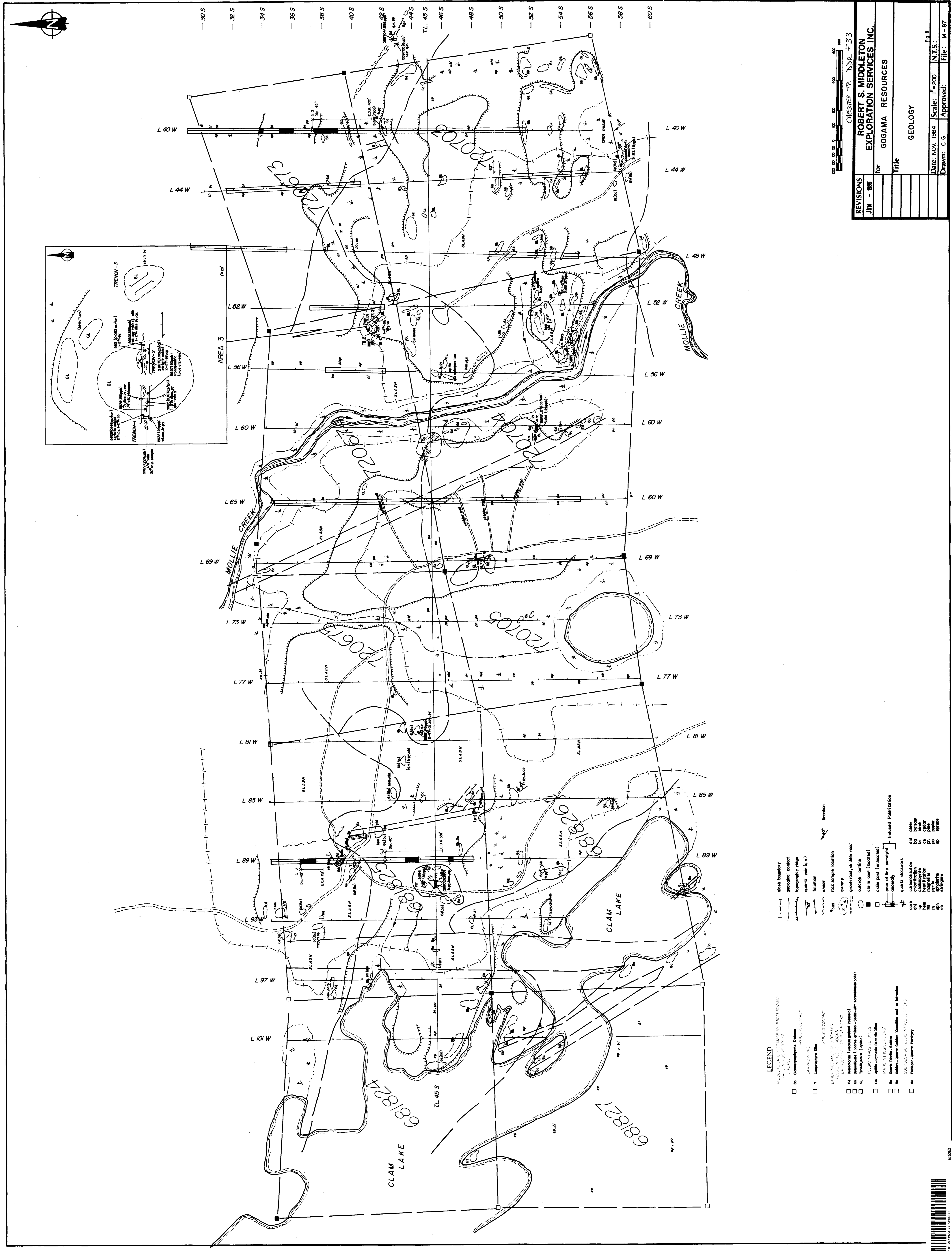
Table with 4 columns: Type of Work, Specific Information per type, Other information (Common to 2 or more types), Attachments. Rows include Manual Work, Shaft Sinking, Compressed air, Power Stripping, Diamond or other core drilling, Land Survey.

NEVILLE TP.

Cutting Area
85/86

Chesapeake





LEGEND
VULNERABLE TO SEISMICITY (1984)
1-1984
1-1984
1-1984
1-1984

- No Geomorphologic Data
- 7 LAMPYRIFORM DIA.
- 8a Gneiss (medium grained Plagioclase)
- 8b Gneiss (fine grained Plagioclase)
- 8c Trondhjemite (ortho)
- 8d FELSIC METAPELITES
- 8e Amphibolite Gneiss (ortho)
- 8f Amphibolite Gneiss (paragneiss)
- 8g Quartz Gneiss (ortho)
- 8h Metarhyolite (ortho)
- 8i Metarhyolite (paragneiss)
- 9 Metarhyolite (ortho)
- 10 Metarhyolite (ortho)

- state boundary
- geological contact
- topographic ridge
- quartz vein (q.v.)
- foliation
- shear
- rock sample location
- swamp
- gravel road, skidder road
- outcrop outline
- claim post (corner)
- claim post (uncovered)
- anomaly
- quartz stockwork
- carbonatization
- hematization
- magnetite
- chlorite
- sph
- str

- induced polarization
- old
- bottom
- on
- on
- on
- on
- on
- on

REVISIONS	CHESTER TR. DDR #33		
JUL - 85	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for GOGAMA RESOURCES		
	Title		
	6E000		
Date: NOV. 1984	Scale: 1"=200'	N.T.S.	Fig. 3
Drawn: C G	Approved:		File: M-87