



32D05NW0176 19 GARRISON

010

DIAMOND DRILLING

TOWNSHIP: Garrison

REPORT No.: 19

WORK PERFORMED BY: John R. Moses

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 522594	83-3	742	July/83	(1)

NOTES: (1) #54-84

REPORT ON DIAMOND DRILLING
CLAIM NOS. L522593 TO L522604
L522607 TO L522610 PLUS
L522616 AND L522617
GARRISON TWP., ONTARIO
OM 83-6-P-176

By
A.C.A. HOWE INTERNATIONAL LTD.

For
Mr. John Moses

Report No. 491
March 9, 1984

G.L. Smith
Toronto, Canada

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CERTIFICATE

G.L. Smith

APPENDIX

Diamond drill logs 83-1 to 83-3

ENCLOSURES

- Map 1 Claim Map Garrison Twp., Ont. M-349 Scale 1"=40 chains
- Map 2 Geological Map Garrison Twp., Ont. 1949-1 Scale 1'=1000'
- Map 3 Location Map D.D.H. 83-1 to 83-3 Scale 1'=400'
- Map 4 Cross-Section D.D.H. 83-1 Scale 1"=40'
- Map 5 Cross-Section D.D.H. 83-2 and 83-3 Scale 1"=40'

1. PROPERTY DESCRIPTION

The property consists of 18 mining claims in Garrison Township, Larder Lake Mining Division, Ontario (Map 1).

CLAIM NOS.

L522593

L522594

L522595

L522596

L522597

L522598

L522599

L522600

L522601

L522602

L522603

L522604

L522607

L522608

L522609

L522610

L522616

L522617

2. ACCESSIBILITY

By Highway 101, 25 miles east from Matheson, Ontario and approximately 4 miles of gravel roads and track in Garrison Township.

3. DIAMOND DRILLING

Three diamond drill holes, 83-1 to 83-3, totalling 2,280 feet were completed between June 14 and July 15, 1983 to test for the possible northwest extension of gold bearing zones located approximately 3,000 feet to the southeast on the Buffonta Property which is presently held by Kerr Addison.

The location, bearing, dip, length and elevation of the drill holes are as follows (Map 3):

- 83-1 S65°W from No. 2 post, L522593, bearing N10°E, dip -45°, length 1052', elevation 1100' approx.
- 83-2 365°N/300°W No. 4 post, L38477 on L522593, bearing N1°W, dip -50°, length 486', elevation 1100' approx.
- 83-3 50°S/375°W No. 4 post, L38477 on L522594, bearing N10° 30'E, dip -45°, length 1052', elevation 1100' approx.

4. GEOLOGY

A. Regional Setting

Regionally the property occurs in Keewatin age (Archean), basic to intermediate volcanics with minor sedimentary interbeds which form part of a broad belt - the Abitibi greenstone belt - stretching across northeastern Ontario and northwestern Quebec. These rocks are stratigraphically overlain by younger, Timiskaming age (early to middle Precambrian), sedimentary rocks comprising greywacke, quartzite, argillite, slate conglomerate and iron formation. Intruding both the Keewatin and Timiskaming age rocks are Algoman age granitic rocks - granite, syenite, feldspar porphyry, quartz-feldspar porphyry, felsite and lamprophyre. All of these rock types are post-dated by Keweenawan age (late Precambrian), intrusions of diabase as dikes and sills.

The Keewatin and Timiskaming age rocks have been extensively metamorphosed, deformed - i.e. folded, faulted and compositionally altered (Map 2).

B. Local

The claim block is extensively overburden covered with only 3 small outcrops in the extreme southeastern corner of the property. These are mapped as diabasic and spherulitic lavas on Geological Map Sheet No. 1949-1, Township of Garrison.

Rock types intersected during diamond drilling consisted of andesitic, diabasic and spherulitic lavas, feldspar porphyry, and veins and veinlets consisting of quartz, carbonate. Alteration present consisted of epidotization, carbonatization and hematization.

Pyrite, chalcopyrite, galena and magnetite are found in small quantities generally hosted by the quartz, quartz-carbonate veins/veinlets.

C. Structure

The Geological Map Sheet No. 1949-1, Township of Garrison shows the rocks striking east to southeast and dipping steeply south to southwest. Numerous faults were intersected during the drilling, presenting themselves as highly broken rock, lost core and gouge filled sections. The orientation of these faults is unknown.

5. WORK PROGRAM

The entire work program consisting of drill supervision, core logging and the drawing of cross-sections and plans was carried out by Mr. W. Hammerstrom of Haileybury, Ontario.

Respectfully submitted



G.L. Smith, B.Sc.
A.C.A. HOWE INTERNATIONAL LTD.

CERTIFICATE

I, G.L. Smith, of 3131 Keynes Crescent, Mississauga, Ontario, L5N 2Z9, hereby certify that:

1. I am and have been employed since 1976 as a geologist with A.C.A. Howe International Limited, Mining and Geological Consultants with offices at Suite 800, 159 Bay Street, Toronto, Ontario, M5J 1J7.
2. I am a graduate of Dalhousie University, Halifax, Nova Scotia, with a Bachelor of Science (1977) degree in geology.
3. I have practiced my profession in excess of 7 years.
4. I have no interest in the property discussed in the report or any company with interest in the property.
5. This report is based on various government reports and maps and on various reports and maps made available to me by Mr. W. Hammerstrom of Haileybury, Ontario.

Toronto, Ontario
March, 1984



G.L. Smith, B.Sc.

APPENDIX

Diamond Drill Logs - 83-1 to 83-3

DIAMOND DRILL RECORD

NAME OF PROPERTY Log Cabin Property Claims, Garrison Twp.
 HOLE NO. 83-3 LENGTH 742.0'
 LOCATION 375'W & 50'S (AST.) on L.522594 from above No.4 Post
 LATITUDE _____ DEPARTURE L.38477
 ELEVATION 1100' (approx.) AZIMUTH N.10° 30° W DIP -45°
 STARTED July 5, 1983 FINISHED July 15, 1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-45		742	-47	
200'	-50				
400'	-50				
600'	-50				

HOLE NO. 83-3 SHEET NO. 1
 REMARKS COLE 221 AS
 Claim No. L522594 & L522593
 LOGGED BY W. Hammerstrom

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0'	64.0	CASING: (0'-2.5', above surface) (2.5'-58.0; sandy clay and boulders) (58.0'-64.0'; in bedrock)								
64.0'	243.2	ANDESITIC FLOW ROCK: Altered. Various shades of greenish grey. Fine grained. Spherulitic in spots. Scattered irregular epidote patches and streaks. A little scattered pyrite, pyrrhotite & magnetite. Scattered quartz-carbonate veins and veinlets. @ 72.0'-85.0', much broken core. @ 114.0', 2-3" irregular quartz-carbonate vein at 25-30° to core. Some pyrite. Several irregular rusty patches. @ 122.5'-128.0'; badly broken core. Some rust. About 1.0' LOST CORE in section. @ 128.0'-132.0'; QUARTZ-CARBONATE VEIN. 128.0'-129.0'; badly broken and rusty quartz-carbonate vein. 129.0'-132.0'; quartz-carbonate vein, broken in places and showing oxidization. Angular inclusions of wall-rock bleached to light yellowish green colours and containing considerable pyrite. Vein at 30° to core. @ 132.0'-133.0'; 20% irregular quartz-carbonate stringers at 25-30° to core. A few pyrite. @ 133.0'-134.5'; badly broken. 1.0' LOST CORE @ 134.5'; ½" quartz-carbonate vein at 30° @ 150.7'-151.0': silicified & carbonated zone at 80°. 2-3% fine pyrite. @ 154.7'-155.1'; 40-50% quartz-carbonate stringers at 60-70°. Some pyrite. Some bleaching and irregular epidote. @ 159.0'-159.6'; broken core. Rusty slips.								

DIAMOND DRILL RECORD

NAME OF PROPERTY Log Cabin Property Claims, Garrison Twp.
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-3 SHEET NO. 2

REMARKS _____

LOGGED BY W. Hammerstrom

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
243.2'	245.8'	GRANITIC DYKE: Greyish brown colours. Fine to medium grain in centre with finer grained edges about 45° to core.									
245.8'	-742.0'	ANDESITIC FLOW ROCK: As before. @283.0'-290.0'; much broken. Some rust. Slips at all angles. @300.8'-303.3'; WEAK SHEAR ZONE: 50-60° to core. 10-15% quartz-carbonate veinlets. Less than 1% pyrite. Some irregular bleached patches. @317.0'-319.0'; 15-20% irregular quartz-carbonate veinlets. Some bleaching and pyrite. @319.4'-320.2'; white quartz-carbonate at 40°. Irregular chloritic shreds. A little pyrite and bleaching along edges of vein. @392.0; 3" irregular quartz-carbonate patch. @394.0'; 2" irregular quartz-carbonate patch. @395.0'-395.8' 50-60% irregular quartz-carbonate. @408.3'-408.7'; 50-60% irregular quartz-carbonate. @436.0'-444.0'; numerous low angle slips. @ 476.6'-476.9'; quartz-carbonate cemented breccia. Few specks pyrite and chalcopryrite. @471.5'-480.5'; prominent tension cracks. @494.0'-495.8'; 60-70% irregular quartz-carbonate veinlets and patches. @499.0'-499.5'; 60-70% irregular quartz-carbonate @515.4-516.4'; 40-50% irregular quartz-carbonate @585.0'-603.0'; much broken core. Numerous carbonate veinlets. Tension cracks at 75-80° @603.0'-610.0'; LOST CORE @610.0'-631.0'; similar to 585'-603' (585.0'-631.0' fractured zone).	45982	300.8	303.3	2.5'					

LANGRIDGES - ONTARIO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Log Cabin Property Claims, Garrison Twp.

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-3 SHEET NO. 3

REMARKS _____

LOGGED BY W. Hammerstrom

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
245.8	742.0	ANDESITIC FLOW ROCK: (continued) @631.0'-742.0'; massive scattered slips. @667.5'; 1" vuggy quartz at 35°. Strong slips at upper side. @670.7'-671.8'; 40-50% irregular quartz-carbonate. @708.0'-715.5'; numerous slips. Some broken core sections.									
	742.0	END OF HOLE									



3205NW0176 19 GARRISON

900

Name and Address of Recorded Holder: **Mr. John R. Moses, P.O. Box 459, Port Carling, Ontario, P0B 1J0**

D15479

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 742	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 type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		522598	60		522610	60			
		522599	60		522616	60			
		522600	60		522617	60			
		522601	60		522597	60			
		522602	60		522603	22			
		522607	60						
		522608	60						
		522609	60						

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RELEASE OFFICE
FEB 23 1984
RECEIVED

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

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

DIAMOND DRILLING - N. Morrisette Diamond Drilling Ltd.
P.O. Box 789
Haileybury, Ontario
P0J 1K0

- 1 hole drilled - 83-3 - total depth 742 feet
- core size AQ
- started 5 July, 1983
- finished 15 July, 1983

LARGER FILE
RECEIVED
FEB 1984
AM 7 18 19 10 11 12 1 1 2 1 3 1 4 1 5 1 6 PM

See attached drill log and map for further information

RECORDED FEB 13 1984
REC No.

Date of Report: 7 Feb. 1984
Recorded Holder or Agent (Signature): *John R. Moses*

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: **Mr. John Moses, P.O. Box 459, Port Carling, Ontario, P0B 1J0**

Date Certified: 7 Feb., 1984
Certified by (Signature): *John R. Moses*

Table of Information/Attachments Required by the Mining Recorder

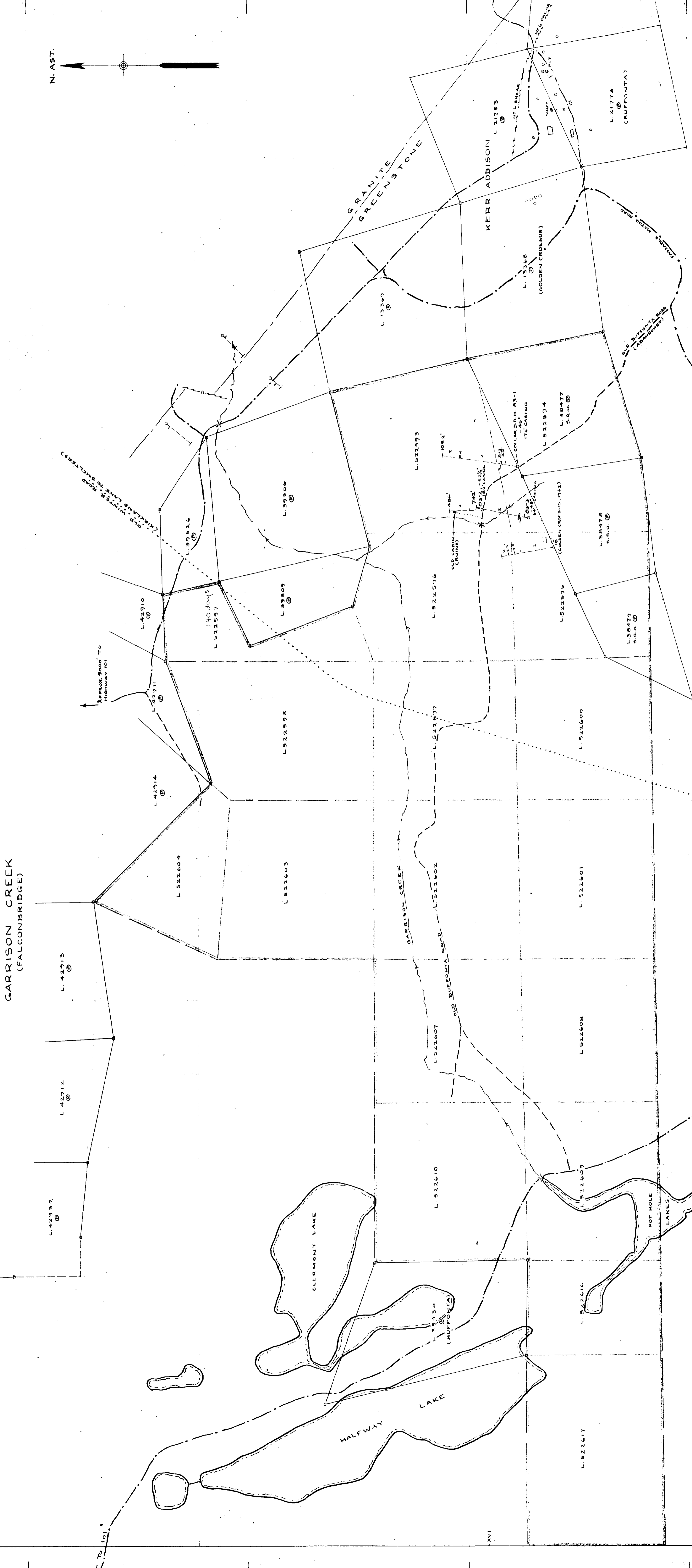
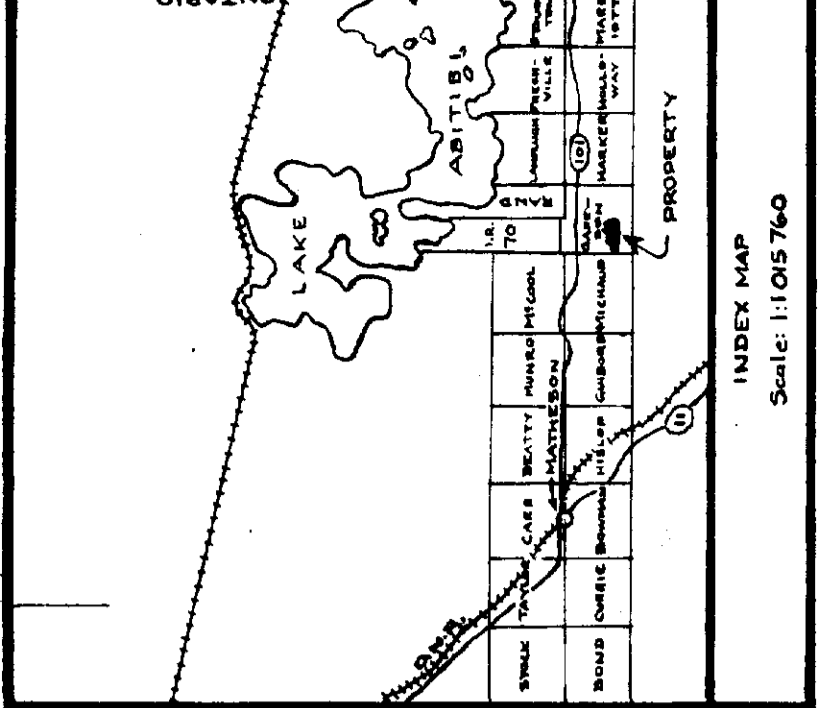
Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of 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 together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyer.		



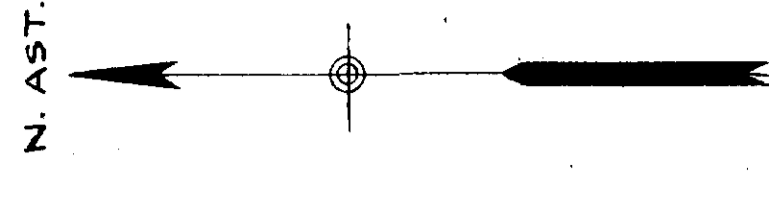
Ontario

Ministry of
Northern Development
and Mines

The following material (D.D x sections,) has been placed on
file from OMEP submittal OM83-6-P-176 . The following
material was not included in the assessment submittal but has
been placed on file due to its significance to this report.



GARRISON CREEK
(FALCON BRIDGE)



LEGEND

- 1 DIABASE (NEWFIELD DYKE)
- 2 GRANITE, SYENITE, FELDSPAR PORPHYRY ETC.
- 3 DIORITE, GABBRO ETC.
- 4 ANDESITE, BASALT ETC.
- 5 GREYWACKE, ARKOSE ETC.
- 6 TAL-CHLORITE-CARBONATE SCHIST ETC.
- 7 CARBONATE ROCK
- 8 MINERALIZATION (GOLD BEARING TYPE)

- SYMBOLS
- 1 PATENTED CLAIMS PLOTTED FROM SURVEY PLANS
 - 2 UNPATENTED MINING CLAIMS ARE PLOTTED, AS CLOSE AS POSSIBLE, TO CONFORM AS SHOWN ON PRINT OF GARRISON TOWNSHIP, DATED JANUARY 11, 1983
 - 3 LAKES, CREEKS AND ROADS ARE ONLY APPROXIMATELY PLOTTED. CORRECTIONS TO BE MADE PENDING SURVEY INFORMATION.
- 1 PROPERTY BOUNDARY
 - 2 DIAMOND DRILL HOLE (HORIZONTAL PROJECTION)
 - 3 FAULT, INDICATED AND KNOWN
 - 4 UNSURVEYED CLAIM BOUNDARY
 - 5 SURVEYED CLAIM BOUNDARY
 - 6 SURVEYED CLAIM CORNER
 - 7 TRAIL
 - 8 ROAD
 - 9 CREEK OR WATERCOURSE
 - 10 OUTCROP

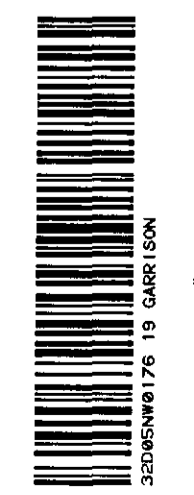
MINING CLAIMS
L522593 TO L522610 (INCL.) PLUS L522616 & L522617
GARRISON TOWNSHIP - LIGHTNING RIVER AREA - ONT.

PRELIMINARY PLAN
SHOWING DRILL HOLES, ETC.

SCALE: 1" = 400'
400'

DRAWN BY: *M. Hamann*

REVISED: JUNE 27, 1987



200

Looking West

83-3

83-2

Overburden

quartz, carbonate breccia vein

altered andesitic flow rock

granitic dyke

massive diabase flow

altered andesitic flow rock

weak shearing 10-15% quartz carbonate veinlets 1% pyrite

lost core

486'

fault zone

lost core

742'

0 40 80

scale 1" = 40'

MINING CLAIMS
L 522593 TO L 522604 (INCL.), L 522607 TO L 522610 (INCL.)
PLUS L 522616 AND L 522617
GARRISON TOWNSHIP - LIGHTNING RIVER AREA - ONT.

CROSS SECTION
DIAMOND DRILL HOLES
8-32 & 83-3

By W. Hammerstrom

Map 5

July 1983

