



42A06SE0026 21 LANGMUIR

010

Diamond Drilling

Township of LANGMUIR

Report NO: 21

Work performed by: McWatters Gold Mines

Claim NO	Hole NO	Footage	Date	Note
50852	62-1	304'	Jan/62	
	62-22	585'	Sept/62	
50853	62-2	303'	Jan/62	
50847	62-3	333'	Jan/62	
50850	62-4	255'	Jan/62	
50857	62-5	264'	Jan/62	
50862	62-6	253'	Jan/62	
	67-2	425'	June/67	
50882	62-7	273'	Feb/62	
50887	62-8	292'	Feb/62	
50855	62-9	240'	Feb/62	
50861	62-10	215'	Feb/62	
50845	62-11	255'	Feb/62	
50863	62-12	266'	Feb/62	
50856	62-13	249'	Feb/62	
	62-14	342'	June/62	
	62-15	556'	July/62	
	62-16	375'	July/62	
	62-19	498'	Aug/62	
50873	62-20	496'	Aug/62	
	62-17	422'	July/62	
50840	62-18	409'	Aug/62	
	62-21	455'	Aug/62	
50864	67-3	447'	July/62	
	62-23	264'	Sept/62	
50874	62-24	790'	Oct/62	
	67-1	426'	June/67	
50881	64-23	737'	April/65	
50753	64-25	715'	May/65	

Notes:

REPORT ON THE DIAMOND DRILLING

ON THE PROPERTY OF

McWATERS GOLD MINES LIMITED

and

QUEBEC MANITOU MINES LIMITED

Situated in

LANGMUIR TOWNSHIP - PORCUPINE
MINING DIVISION

by

SIMARD, KNIGHT & ASSOCIATES

Toronto, Ontario

April 4, 1962

REPORT ON THE DIAMOND DRILLING
in
Langmuir Township - Province of Ontario
for
McWATTERS GOLD MINES LIMITED
and
QUEBEC MANITOU MINES LIMITED

SUMMARY

The jointly owned property of McWatters Gold Mines Limited and Quebec Manitou Mines Limited, consists of 54 unsurveyed and unpatented mining claims situated in the southwest quarter of Langmuir Township, Porcupine Mining Division, Ontario.

Access to the property is readily achieved from South Porcupine, Ontario. From South Porcupine to the property is 14 miles.

Previous exploratory work on the property consisted of geological mapping, magnetic and electromagnetic surveys. The results of these surveys were compiled on three plans to the scale of 1" equals 400 feet. In addition, the report adequately describing the results of these surveys, dated November 9, 1961, is on file at the head offices of the companies.

Briefly, the recommendations were to the effect that the companies proceed with a program of diamond drilling to investigate interesting geophysical anomalous conditions occurring in a geological environment considered favorable for base metal mineralization. It was interpreted from the surveys that sulphide mineralization was the primary cause of the coincident geophysical anomalies, and that they were covered by 25 to 75 feet of glacial debris. Consequently these targets were considered of prior interest, to be investigated for base metal mineralization.

A program of diamond drilling was commenced on January 7th and completed Feb. 26, 1962. Thirteen holes, totalling 3,502 feet, were drilled.

Diamond drill holes 62-1 to 62-10 inclusive were drilled to investigate various coincident magnetic and electromagnetic anomalies. In all holes pyrite-pyrrhotite mineralization was obtained; in amounts from heavy disseminated to massive quantities in a host rock logged as either a meta-quartzite or iron formation. Representative samples were taken from all these holes and assayed for gold and nickel. There were no significant values in any of the holes for these metals except No. 62-5 where, an assay of 0.06% nickel and 0.0025 ounces gold per ton was obtained across 7.7 feet. In hole 62-7 some disseminated sphalerite mineralization was noted from 234.5 to 235.5 feet, a core length of 1.0 foot. No core was sent for copper or zinc assay because the minerals of these metals were not present in sufficient quantity to justify assaying.

Diamond drill holes 62-11 to 62-13 inclusive, were drilled to investigate several magnetic anomalies, with no corresponding electromagnetic anomalies. These magnetic anomalies are in overburdened areas of the property which varies from 30 to 60 feet in depth.

Holes 62-11 and 62-12 did not show any sulphide mineralization of economic interest. The magnetic anomalies are caused primarily by magnetite mineralization in highly chloritic and serpentized basic lavas.

Hole 62-13 was drilled in about the central part of a magnetic anomaly some 3400 feet long and 200 to 400 feet wide. This hole collared in a serpentized peridotite at 50 feet was stopped at 249.0 feet; also in serpentized

peridotite. Included in this 199 feet of core were several sections of serpentinized basic lavas. Generally speaking, sulphide mineralization was very sparse to lightly disseminated throughout the core. Because the mineralization encountered was generally sparse and did not appear too promising and because this hole completed the contracted footage, drilling was suspended at the property. However, three of the better looking mineralized sections of core were sent for nickel assay. These returned 0.20, 0.36 and 1.07 per cent nickel across 3.0, 4.7 and 2.6 feet. These results prompted a re-examination of the core and as a result the entire 199 feet of core from hole 62-13 was split and assayed for nickel. Results were as follows:

<u>From</u>	<u>To</u>	<u>Core Length (feet)</u>	<u>% Nickel</u>
50.0	249.0	199.0	0.428
173.5	225.3	51.8	0.65

The surface geological plan, diamond drill hole logs and diamond drill hole sections, which accompany this report, adequately illustrate the geological information that is known of this property to date.

An estimate of monies expended on the Langmuir township property to date is about \$33,000.00. Exact figures are not available at this time because all accounts pertaining to the diamond drilling have not been received. Nevertheless, the estimate shown below is within several hundred dollars of the actual figure.

Estimate of expenditures

Staking - 54 claims		\$ 2,862.66
Geophysical and Geological Surveys		10,310.00
Diamond Drilling		19,761.14
<u>Details</u>		
Drilling 3,502 feet	14,380.93	
Resident Geologist, salary, expenses, food, etc.	2,048.20	

Assaying	374.61
Consulting Fees & Expenses	2,857.40
	<u>19,761.14</u>

Total	\$32,933.80	say
	<u>\$33,000.00</u>	

CONCLUSIONS

From a study of the results of the exploratory work completed on the property, the following conclusions appear evident:

1. That the heavy disseminated to massive sulphide mineralization found in the meta-quartzite or iron formation horizon appears to be bare of any economic mineralization, particularly the metals zinc, nickel, copper and gold. These zones possess good magnetic and conductivity properties and consequently respond as good anomalies.
2. That very interesting values in nickel have been obtained in hole 62-13 showing continuous nickel bearing mineralization from 50.0 to 249.0 feet - a core length of 199.0 feet. The sulphide content is extremely low, usually less than 1% and up to 3% by volume. It is quite probable that the nickel bearing mineral is either pentlandite ($FeNiS$) or millerite (NiS).
3. The serpentinized peridotite in which the nickel mineralization occurs contains magnetite and consequently the ultrabasic zone stands out as a magnetic anomaly.
4. No electromagnetic anomaly was obtained over the nickel bearing zone, or over any of the other ultrabasic intrusive rocks.
5. The intersection of 0.428% nickel across 199.0 feet is not of ore grade. However, it appears that the zone is at least 3400 feet long and from

200 to 400 feet wide. There is a considerable length unexplored in which better grade material could be present. A mere doubling of the small quantity of sulphides, could produce a tenor of economic interest, provided the increased mineralization is present in sufficient quantity.

6. That additional diamond drilling is warranted to fully investigate the nickel bearing serpentized peridotite zone, as well as performing a limited amount of exploratory diamond drilling on the other ultrabasics present on the property.

RECOMMENDATIONS

It is recommended that McWatters Gold Mines and Quebec Manitou Mines Limited proceed with the following program to investigate fully their property for the presence of a nickel orebody.

- (a) That an additional 7500 feet of diamond drilling, utilizing two machines, be undertaken. This work should commence sometime after the breakup period in order to obtain an ample water supply for drilling, convenience of moving in by a water route and permitting easy travel through the bush; to facilitate the work and minimize costs.
- (b) That a limited amount of geophysical surveying be undertaken. These surveys to consist of both magnetic and induced polarization. Additional detailed magnetic surveying is advisable over the discovery zone, at a picket line interval of 100 feet with station readings at 25 feet. The zone has been outlined by 400-foot line intervals at 50 to 100 foot station readings. The induced polarization geophysical technique is very adaptable to outlining disseminated type of sulphide mineralization. However, magnetite, serpentine and asbestos also produce

anomalous conditions similar to disseminated sulphides. It is considered advisable to test the induced polarization technique over the discovery zone and an outcropping ultrabasic body. This initial test work at a cost of less than \$1,000.00 would readily ascertain whether continuation of the survey technique over selected portions of the property is advisable.

(c) That consideration be given to making some arrangement with the owners of patented claims Nos. P131, P524 and P3354 which lie within your block of claims, as they might become of considerable importance.

The cost of carrying out the recommended program is estimated at \$50,000.00. A break-down as to individual costs is shown below:

Diamond drilling	
7,500 feet at \$3.25/ft.	\$24,375.00
Assaying	3,500.00
Resident Geologist & Miscellaneous	5,000.00
Consulting Fees and Expenses	4,000.00
Geophysical Surveying	7,500.00
Transportation	1,000.00
Camps and Core Shack	1,000.00
	<u>46,375.00</u>
Contingencies	<u>3,625.00</u>
Total	<u>\$50,000.00</u>

Respectfully submitted,

SIMARD, KNIGHT & ASSOCIATES


Michael Zurovski.

Toronto, Ontario
April 4, 1962

42 A/06 SE
SMDR 000 879

C

MINERAL DEPOSIT INVENTORY RECORD

NAME McWATERS.....

ALTERNATE NAMES YEAR
..... YEAR
..... YEAR
..... YEAR

ENTITY CODED S.
POINT LOCATED CENTRE OF NICKEL BEARING ZONE JUST NORTH OF PROPERTY SYMBOL 24.....

LATITUDE 48° 18' 49"..... (48.314).....

LONGITUDE 81° 02' 29"..... (81.041).....

HOW LOCATED P.

REFERENCES

MAP 0610 2206 LANGMUIR & BLACKSTOCK..... SCALE 1" = 1/2 MILE (C)

OTHER SOURCES ODM 1970 G.R. 86, P. 44-50.....
ODM 1969 MRC 12, P. 36.2.....
ODM 1970 MP 41, P. 17, 20.....
DEMRS OTTAWA MPS/NMI FILE 42 A/06 NI 1

TOWNSHIP/CLAIM MAP AREA LANGMUIR, DISTRICT OF COCHRANE

MAJOR MINOR (give status)
COMMODITIES 1 (2).....

DEVELOPMENT STATUS DEVELOPED PROSPECT.....

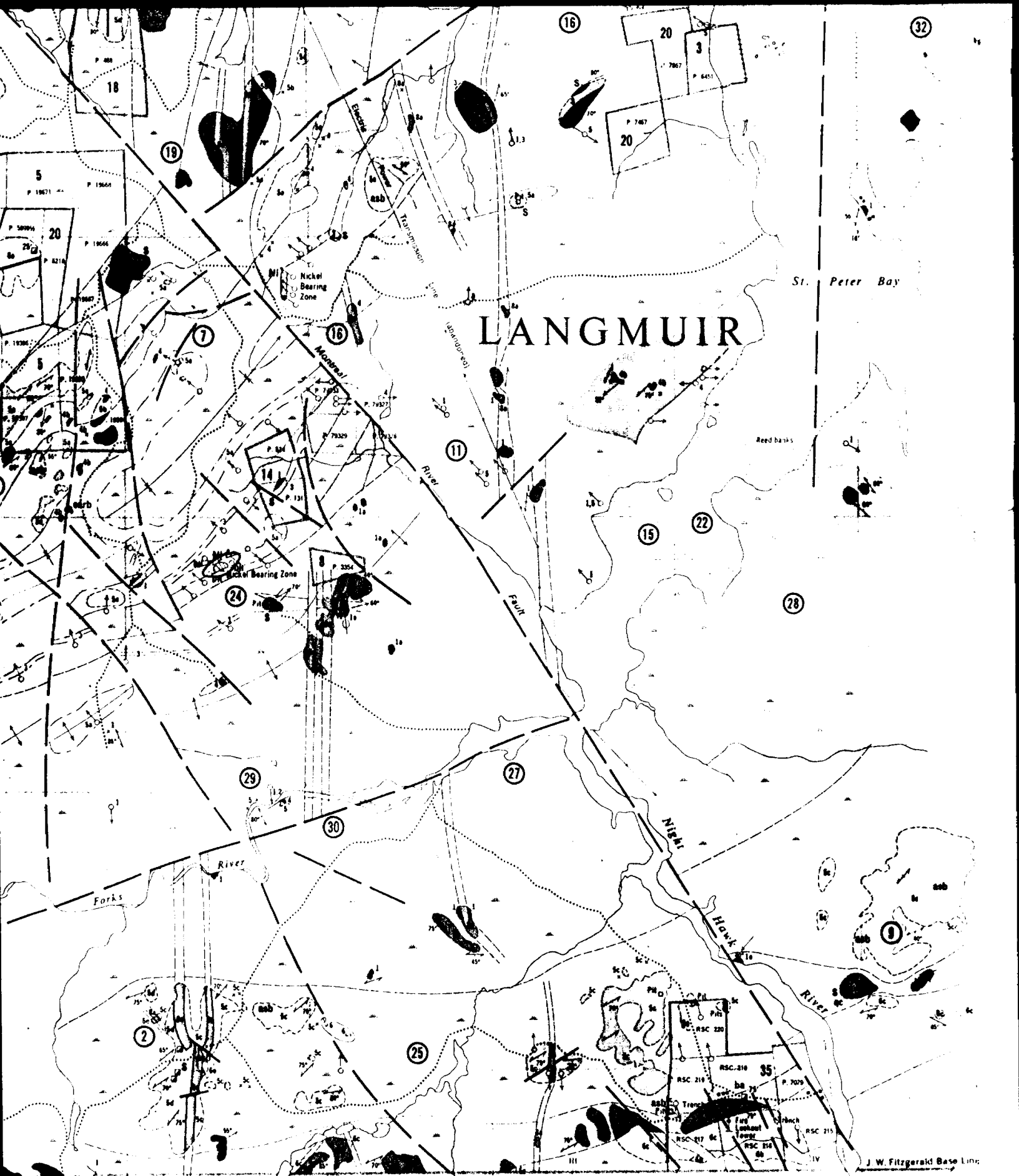
COMPILER J. GASPER..... OFFICE LOCATION TORONTO
SECTION GDC.....

DATE (YYMMDD) 79/08/14.....

INITIAL RECORD UPDATE ON SITE VERIFICATION

REMARKS MINERALIZED ULTRAMAFIC INTRUSIVES, MAFIC VOLCANICS; THE MINERALIZED ^{20% Ni} IS 9.1 M. (300 FT) LONG X 15 M. (50 FT) WIDE X 11.5 M. (380 FT) DEEP; ESTIMATED AVERAGE RESERVES WERE 58,382 TONNES (643,558 SHORT TONS) GRADING 1.04% NI,

TP EXTENSION
NTS EXTENSION



LANGMUIR

FALLON TOWNSHIP

ODM 2206 LANGMUIR
4-

1" = 1/2 MILE BLACKSTOCK

N20°W (Ast.)

62-1

Axis of
E.M. Zone

Rhyolite

MI/1
146

Iron formation
Type: *pyroclastic*

MI/1
45

MI/1
45

Iron

Chlorite Schist

Rhyolite

MI/1
50

10% Pyrite

MI/1
71

10% Pyrite

MI/1
27

Eluvial Breccia

Soils

MCWATERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.

LANGMUIR TWP. ONTARIO

Scale - 1" = 40'

MI/1
5.0' - Assay - nickel, gold.

62-1

DIAMOND DRILL RECORD

PROPERTY McWatters Gold Mines Limited
 Quebec Manitou Mines Limited Languir Twp Que

HOLE No. 62-1

SHEET NUMBER 1 **SECTION FROM** 0.0 **TO** 304.0 **STARTED** January 7/62

LATITUDE 78°N of BL 1 **DATUM** **COMPLETED** January 10/62

DEPARTURE 35-50W **BEARING** N20W Ast **ULTIMATE DEPTH** 304.0

ELEVATION **DIP** Collar 50 **PROPOSED DEPTH** 300.0

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						OS AU	% NI
0 - 107.0	Casing	1	149.0	155.2	6.2	Nil	Nil
107.0 - 149.0	Rhyolite - light grey coloured	2	155.2	159.0	3.8	Nil	
	146.0 - 149.0 kayolinized porphyritic	3	159.0	163.7	4.7	Nil	
149.0 - 163.7	Lean Iron Formation	24	233.5	236.7	1.2	Nil	Nil
	149.0 - 155.2 Black in colour some pyrite and graphite	25	214.0	219.0	5.0	Nil	Nil
163.7 - 179.0	Chlorite Schist - some shearing probably lava flow - 2% pyrite	26	172.0	176.3	4.3	Nil	Nil
	176.0 - 176.7 Quartz vein - rusty probably a fault						
	176.7 - 177.4 lost core						
179.0 - 274.1	Rhyolite - dark grey in colour narrow bands of bluish white quartz						
	214.0 - 219.0 - 10% pyrite and pyrrhotite						
274.1 - 304.0	Rhyolite Breccia - light grey angular fragments in dark grey to black matrix						
	End of Hole						

G. Redgeman

DIAMOND DRILL RECORD

PROPERTY Mc Watters Gold Mines Limited
Quebec Manitou Mines Limited

HOLE No. 2

SHEET NUMBER 1 SECTION FROM 0.0 TO 303.0

STARTED January 10/62

LATITUDE 0-50 N BL 1 DATUM

COMPLETED January 12/62

DEPARTURE 47-50 W BEARING N20W

ULTIMATE DEPTH 303.0

ELEVATION _____ DIP Collar 50

PROPOSED DEPTH 300.0

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						Au	Os	
0.0 - 39.0	Casing	4	134.0	139.0	5.0	Nil		
39.0 - 134.0	Rhyolite - very light greenish grey in colour	5	139.0	144.0	5.0	Nil		
	92.9 - 101.5 Rhyolite Porphyry	6	144.0	149.0	5.0	Nil		
134.0 - 176.0	Lean Iron Formation - essentially a meta quartzite	7	149.0	154.0	5.0	Nil		
	168.3 - 176.0 - 50% magnetite							
	134.0 - 144.0 - 75% pyrite and pyrrhotite	8	154.0	160.6	6.6	Nil		
	144.0 - 149.0 - 10% pyrite	9	160.6	165.0	4.4	Nil		
	149.0 - 160.6 - 2% pyrite							
	160.6 - 168.3 - 30% pyrite	10	165.0	168.3	3.3	Nil		
176.0 - 180.0	Clorite schist	11	168.3	172.3	4.0	Nil		
180.0 - 246.5	Rhyolite - greyish colour							
	233.0 - 235.5 - dark green	12	172.3	176.0	3.7	Nil		
246.5 - 250.2	Meta Quartzite							
263.2 - 264.1	Clorite schist							
264.1 - 303.0	Basic Lava (Andesite) cloritised and serpentinised							
	272.1 - 287.5 - dioritic in texture							
	287.5 - 303.0 - intensely serpentinised							
	very schistose. Schistosity 40 to 50 degrees to core axis.							
	End of Hole							

NORTHERN MINER FORM 805 REV./54

DRILLED BY N Merisette Diamond Drilling Ltd

SIGNED

[Handwritten Signature]

NORTH (AST)

Axis of
EM Anomaly

623

630

Andesite, chlorite, serp.

1824
Rhyolite
203.2

Andesite, chlorite, carb.

2772
2810
Siliceous chlorite, rock

Iron Formation
Pyrite, Anorthite, magnetite

2248
Andesite, carb.
2334

MCWATERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.

LANGMUIR TWP. ONTARIO

Scale - 1" = 40'

1/30 - Assay - gold

62-3

DIAMOND DRILL RECORD

McWatters Gold Mines Limited
 PROPERTY Quebec Manitou Mines Limited

HOLE No. 62-3

SHEET NUMBER 1 SECTION FROM 0.0 TO 324.8 STARTED January 13/62

LATITUDE 3-70N of BL L DATUM COMPLETED January 14/62

DEPARTURE 124N BEARING North Ast ULTIMATE DEPTH 333.0

ELEVATION DIP 50 PROPOSED DEPTH 300.0

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						OR AU		
0.0 - 63.0	Casing	13	282.7	284.7	2.0	Nil		
63.0 - 182.6	Basic volcanics (Andesite) - slightly carbonatised and serpentinitised; dark green in colour, fine grained	14	284.7	286.0	1.3	Nil		
	white carbonate stringers at all angles to the core axis.	15	286.0	289.5	3.5	Nil		
	179.3 - 182.6 reddish alteration due to feldspathization	16	289.5	294.5	5.0	Nil		
		17	294.5	299.5	5.0	Nil		
182.6 - 194.5	Rhyolite - fine grained greyish green	18	299.5	304.5	5.0	Nil		
194.5 - 209.0	Basic Lavas (Andesite) - highly chloritized and carbonatised	19	304.5	309.5	5.0	Nil		
209.0 - 273.5	50% carbonate felicitated 10 to 30 degrees to core	20	309.5	314.5	5.5	Nil		
273.5 - 277.2	15% pyrite	21	314.5	319.5	5.0	Nil		
277.2 - 283.0	Light green silicious chloritic rock (sedimentary) bedding lacking sections arkosic in appearance few narrow bands pure silica	22	319.5	325.0	5.0	Nil		
283.0 - 283.0	Iron Formation - bedding at 286.0 at 60 degrees to core axis	23	273.5	276.0	2.5	Nil		
	283.0 - 284.5 - solid pyrite							
	286.0 - 290.0 - 30% pyrite							
	307.0 - 309.5 - 75 pyrite							

NORTHERN MINER FORM 805 REV./54

Morissette Diamond Drilling Ltd.

DRILLED BY

SIGNED

A. Holyk

N50°W(A&T)

Axis of
EM Anomaly

62-4

150
Quartzite
1987

Quartz Diabase

158

Quartzite

170

1987
1988
1989
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Quartz Diabase
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Amesite, pillowed

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MCWATERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD

LANGMUIR TWP. ONTARIO

Scale - 1" = 40'

Assay - nickel, gold

62-4

DIAMOND DRILL RECORD

PROPERTY **McWatters Gold Mines Limited**
Quebec Manitoba Mines Limited

HOLE No. **62-4**

SHEET NUMBER **1** SECTION FROM **0.0** TO **255.0**

STARTED **January 17/62**

LATITUDE **Line 8-00 east**

DATUM

COMPLETED **January 19/62**

DEPARTURE **7-80N of M. 1**

BEARING **N50W east**

ULTIMATE DEPTH **255.0**

ELEVATION

DIP **50 Degree**

PROPOSED DEPTH **300.0**

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						Os Au	Grl
0.0 - 43.0	Casing	27	182.0	186.0	4.0	Nil	
43.0 - 48.7	Basic Lava (Andesite)	28	186.0	191.0	5.0	Nil	
48.7 - 153.8	Quartz Diabase - good chilled upper and lower contacts	29	191.0	196.0	5.0	Nil	
153.8 - 182.0	Gneissic Diorite - some chloritic alteration	30	196.0	201.0	5.0	Nil	None
182.0 - 214.0	Iron Formation - bedding at 65 degrees to core axis, sections brecciated, 10-15% pyrite, pyrrhotite and magnetite.	31	201.0	206.0	5.0	Nil	None
		32	206.0	211.0	5.0	Nil	None
214.0 - 215.0	Quartz Diabase - fine grained	33	211.0	214.0	3.0	Nil	None
215.0 - 217.7	Dark green chloritic rock rich in magnetite, 1-2% pyrrhotite	34	253.0	254.1	1.0	Nil	
217.7 - 218.9	Basic Dike						
218.9 - 220.7	Same as 215.0 - 217.7						
220.7 - 255.0	Basic Lavas (pillowed andesites) dark green, slightly schistose at 40 degrees to core axis sections feldspathized and dioritic in texture, probably inclusions pillowed lava - 248.0 - 255.0 1-2% pyrite and pyrrhotite at 253.1 to 254.1						

J. Hodgkinson

550°E (AST)

AXIS OF
EM ANOMALY

62-5

100'

Andesite

Max Oxide

Andesite core

core
100' x 100'
100' x 100'
100' x 100'

McWATTERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.

LANGMUIR TWP. ONTARIO

Scale - 1" = 40'

50'

Assay - gold, nickel

62-5

DIAMOND DRILL RECORD

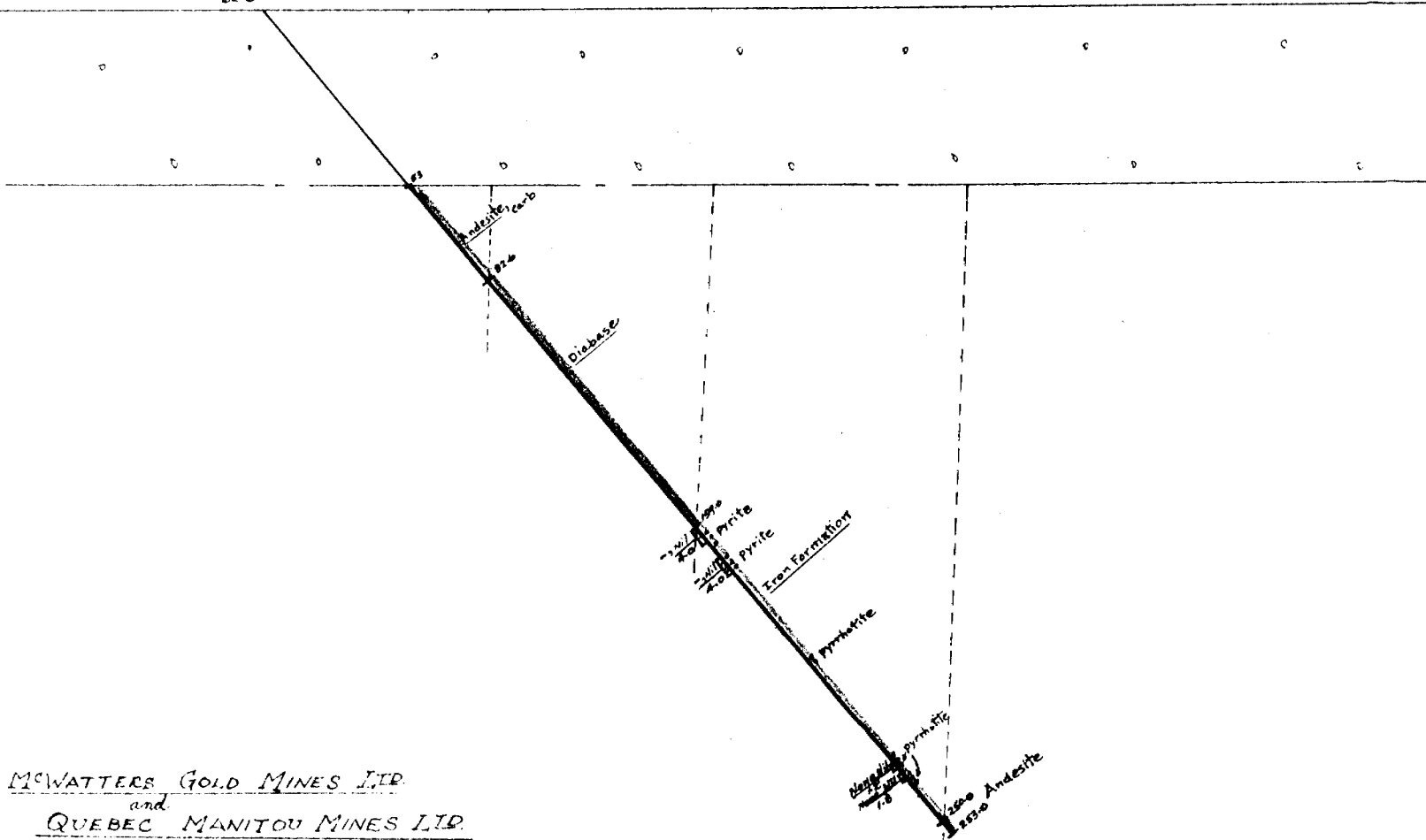
Monatters Gold Mines Limited
 PROPERTY Quebec Manitou Mines Limited Langmuir Twp Ont HOLE No. 62-5
 SHEET NUMBER 1 SECTION FROM 0.0 TO 264.0 STARTED January 20/62
 LATITUDE 9-80N of H13 DATUM COMPLETED January 22/62
 DEPARTURE L 8 E BEARING S50E (ast) ULTIMATE DEPTH 264.0
 ELEVATION DIP 50 PROPOSED DEPTH 300.0

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						OS AU	Gr
0.0 - 100.0	Caving						
100.0 - 207.6	Andesite - medium to fine grained; carbonate stringers generally 40 to 50 degrees to core axis	35	207.6	211.7	4.1	.005	0.03
	119.0 - 125.0 - reddish alteration due to Seldspathization.	36	211.7	215.3	3.6	nil	0.09
	Changes to chlorite schist 1 foot before lower contact.						
207.6 - 215.3	Iron formation - 50% magnetite, 30% pyrrhotite-pyrite						
215.3 - 264.0	Andesite - very fine grained in places (dense)						
	215.3 - 220.0 - carbonate stringers						
	260.0 - 264.0 - amygdaloidal						
	End of Hole						

J. Hodgkinson

N80°W (Ast.)

62-6



MCWATERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.
LANGMUIR TWP. ONTARIO
Scale - 1" = 40'

~~MINI~~ Assay - nickel & gold.
3.0

62-6

DIAMOND DRILL RECORD

McWatters Gold Mines Limited
 PROPERTY **Quebec Manitou mines Limited** **Languir Top Out** HOLE No. **62-6**
 SHEET NUMBER **1** SECTION FROM **0.0** TO **253.0** STARTED **Jan 25/62**
 LATITUDE **22-20 N Bl 2** DATUM _____ COMPLETED **Jan 27/62**
 DEPARTURE **L 24-00E** BEARING **N50W east** ULTIMATE DEPTH **253.0**
 ELEVATION _____ DIP **50** PROPOSED DEPTH **300.0**

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						OS AU	7 Ni
0.0 - 53.0	Casing						
53.0 - 82.6	sheared basic lava - carbonate stringers						
82.6 - 159.0	Diabase - contacts ground	37	159.0	163.0	4.0	Nil	
159.0 - 250.0	Lean Iron Formation - narrow scattered bands of magnetite. Bedding is common. Some beds white to light grey mostly fine grained quartz. Other beds are black and resemble flint. Beds are fractured in some places creating a brecciated section.	38	168.0	172.3	4.3	Nil	
		39	231.0	232.7	1.2	Nil	None
		40	234.3	236.1	1.8	Nil	None
	159.0 - 163.0 - 10% pyrite						
	168.0 - 172.3 - 70% pyrite						
	200.5 - 201.0 - 70% pyrrhotite						
	231.5 - 232.7 - 40% pyrrhotite some pyrite						
	234.3 - 236.1 - 40% pyrrhotite some pyrite						
10.0 - 253.0	Andesite - feldspathic						
	End of Hole						

DIAMOND DRILL RECORD

PROPERTY **McWatters Gold Mines Limited**
Quebec Manitou Mines Limited

Langmuir Twp. Ont

HOLE No. **62-7**

SHEET NUMBER **1** SECTION FROM **0.0** TO **273.0**

STARTED **Feb 1/62**

LATITUDE **22-80N HL-2** DATUM

COMPLETED **Feb 2/62**

DEPARTURE **L32E** BEARING **850E (ast)**

ULTIMATE DEPTH **273.0**

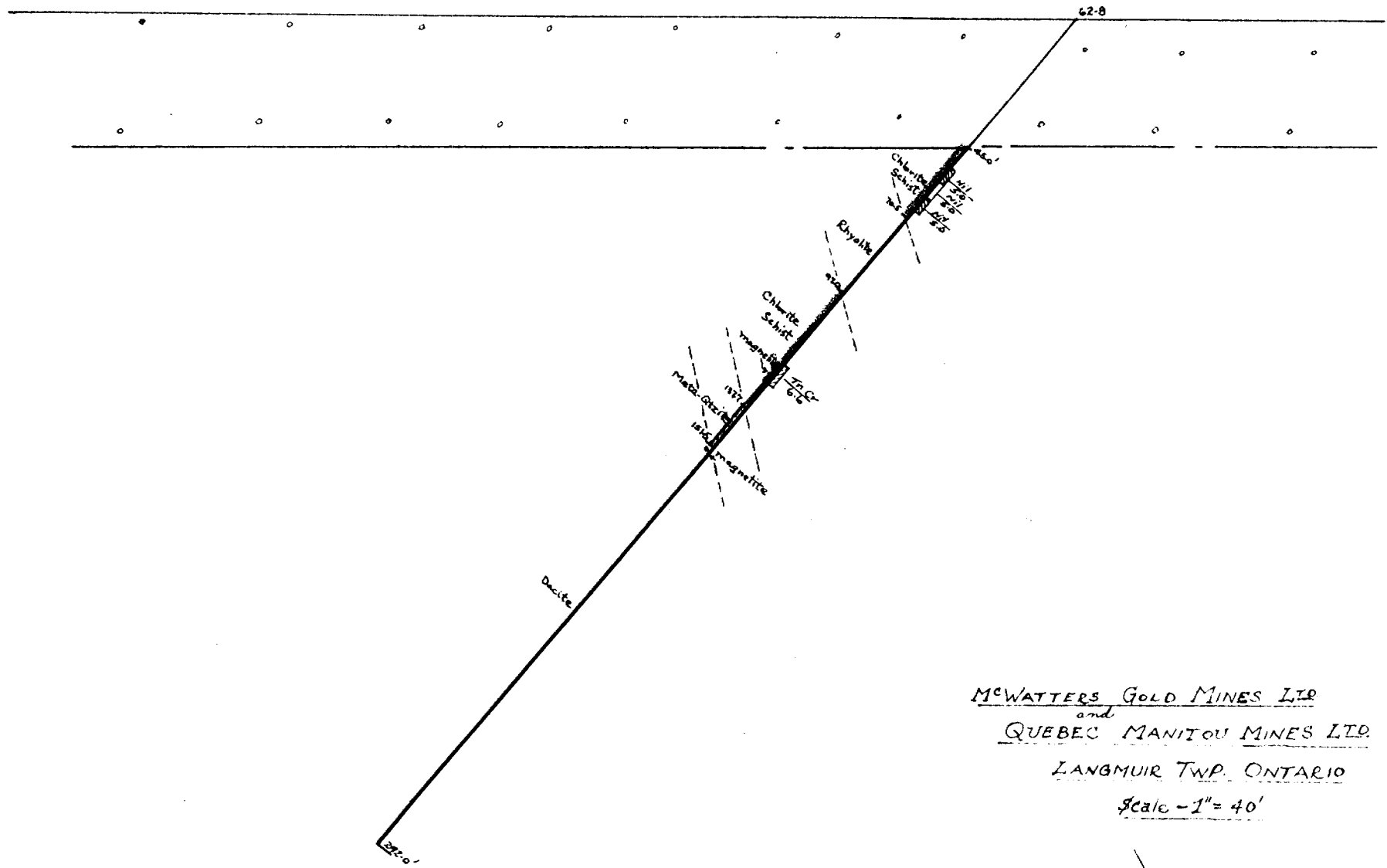
ELEVATION DIP **50**

PROPOSED DEPTH **300.0**


DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						OS Au	% Ni
0.0 - 51.0	Casing	41	151.0	155.6	4.6	Nil	None
51.0 - 125.0	Sheared basic lavas - some narrow carbonate stringers.	42	166.7	170.0	3.3	Nil	None
125.0 - 231.5	Lean Iron Formation - a few narrow bands of magnetite, essentially a meta quartzite.	43	170.0	175.0	5.0	Nil	None
	151.0 - 155.6 - 30% pyrite, pyrrhotite	44	180.0	185.0	5.0	Nil	
	166.7 - 175.0 - 2% pyrite, pyrr.	45	192.0	195.0	3.0	Nil	None
	180.0 - 185.0 - 10% pyrrhotite	46	210.0	215.0	5.0	Nil	
	192.0 - 195.0 - 20% pyrrhotite pyrite	47	215.0	220.0	5.0	Nil	
	210.0 - 231.5 - 30% pyrite some pyrrhotite	48	220.0	225.0	5.0	Nil	
	234.5 - 235.5 - 1-2% sphalerite	49	225.0	231.5	6.5	0.005	
231.5 - 273.0	Sheared basic lava - some carbonate stringers, slight serpentine alteration towards bottom of hole.						
	End of Hole						

A. Hodgkinson

← 350° E (AST)



McWATTERS GOLD MINES LTD
and
QUEBEC MANITOU MINES LTD
LANGMUIR TWP. ONTARIO
Scale - 1" = 40'

 Assay - gold, Chrom

62-8

DIAMOND DRILL RECORD

McWatters Gold Mines Limited
 PROPERTY Quebec Manitou Mines Limited

HOLE No. **8**

SHEET NUMBER **1** SECTION FROM **0.0** TO **292.0**

STARTED **February 4/62**

LATITUDE **2-50N BL. 3** DATUM

COMPLETED **February 6/62**

DEPARTURE **148E** BEARING **S50E (act.)**

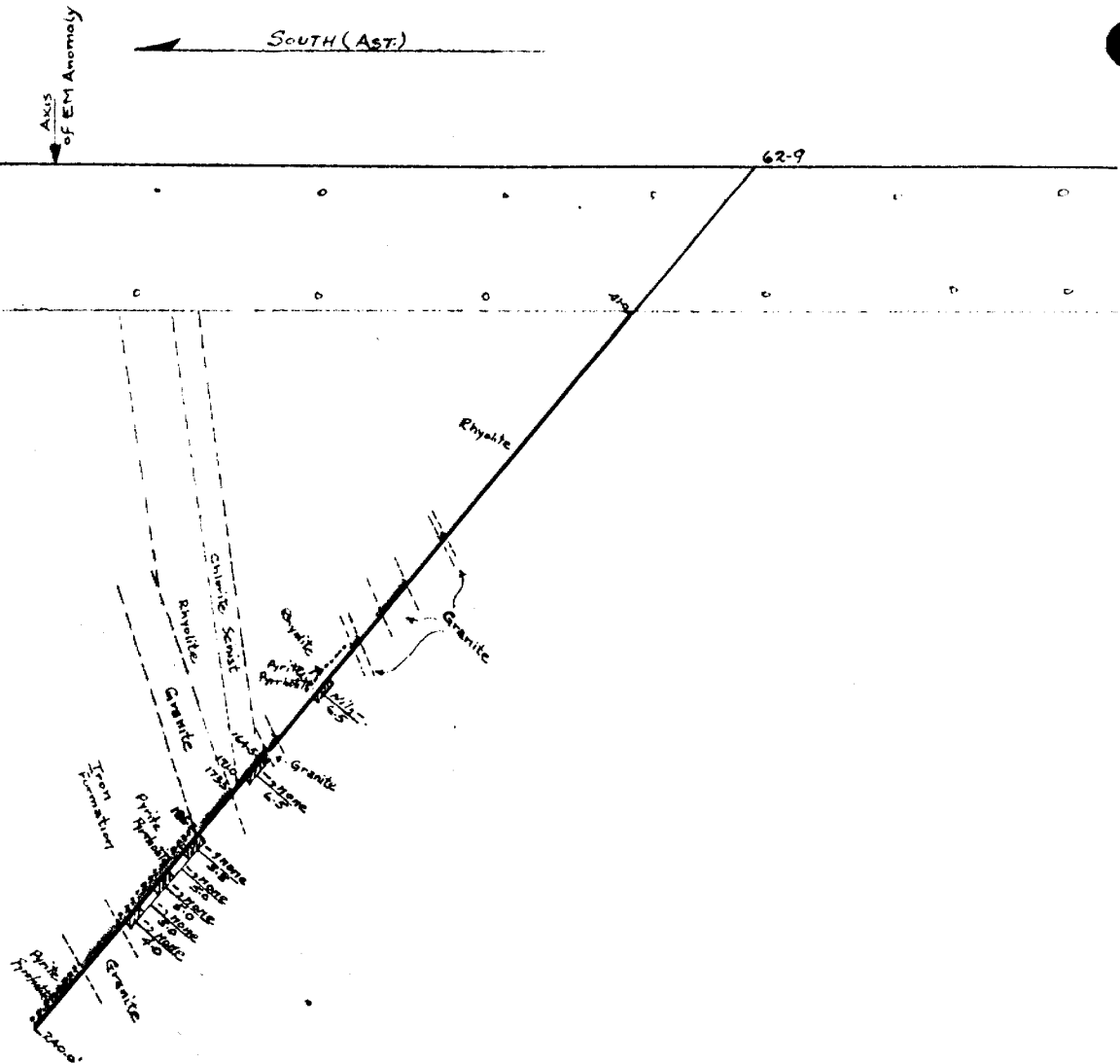
ULTIMATE DEPTH **292.0**

ELEVATION _____ DIP **50**

PROPOSED DEPTH **300.0**

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						oz Au	¢ Ni	¢ Cr
0.0 - 45.0	Casing							
45.0 - 70.5	Chlorite schist - 15% magnetite less than 1% pyrite.	57	52.0	57.0	5.0	Nil		
	50.0 - 51.7 Quartz Biotite Schist	58	57.0	62.0	5.0	Nil		
70.5 - 97.0	Rhyolite - grey coloured	59	62.0	67.0	5.0	Nil		
97.0 - 137.7	Chlorite schist	60.0	121.7	128.3	6.6			Tr
	121.7 - 128.3 - 50% magnetite							
	127.2 - 127.6 - 50% pyrrhotite							
	negligible chalcopyrite							
137.7 - 151.5	Kota Quartzite							
	150.7 - 152.2 - 40% magnetite							
	minor pyrrhotite							
151.5 - 292.0	Basalt - light green color							
	End of Hole							

J. Redman



McWATTERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.

LANGMUIR TWP - ONTARIO

Scale - 1" = 40'

~~Nil/Nil~~ Assay - gold, nickel.
50

62-9

DIAMOND DRILL RECORD

PROPERTY **Movatters Gold Mines Limited**
Quebec Manitou Mines Limited

HOLE No. **62-9**

SHEET NUMBER **1** SECTION FROM **0.0** TO **240.0**

STARTED **Feb 10/62**

LATITUDE **1-50 N of Bl 1** DATUM

COMPLETED **Feb 12/62**

DEPARTURE **L81-50W** BEARING **South**

ULTIMATE DEPTH **240.0**

ELEVATION DIP **50**

PROPOSED DEPTH **300.0**

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						OS Au	% Ni
0.0 - 41.0	Casing	50	142.7	147.2	4.5	Nil	
41.0 - 164.5	Rhyolite and Rhyolite Breccia highly sheared, silicified and re-crystallized. Injected with considerable bluish, white and grey quartz. Disseminated pyrite pyrrhotite throughout.	51	164.0	170.5	6.5		None
		52	185.5	191.0	5.5		None
		53	191.0	196.0	5.0		None
	102.0 - 103.5 fine grained acid dike.	54	196.0	201.0	5.0		None
	115.5 - 123.5 Granodiorite dike						
	131.0 - 133.3 Granodiorite dike	55	201.0	206.0	5.0		None
	136.0 - 147.2 - 10-20% pyrite and pyrrhotite.	56	206.0	210.0	4.0		None
	151.0 - 153.0 - 1% pyrite						
	153.0 - 158.7 - 1-2% pyrite						
	158.7 - 162.0 - Granodiorite						
164.5 - 171.0	Chlorite schist - 25-50% pyrrhotite						
171.0 - 173.5	Rhyolite						
173.5 - 185.7	Granite dike						
185.7 - 240.0	Iron formation - 185.7 - 203.0 slightly brecciated, greenish 203.0 - 240.0 - white, narrow bands of magnetite.						
	End of hole						

[Signature]

North (Ast)

Axis of
E.M. Anomaly

62-10

250'
250'
250'
250'

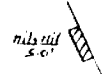
Opelite

Iron
Formation
Pyrite
Formation
Aluminum
Sulfide
250'

McWATTERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.

LANGMUIR TWP. ONTARIO

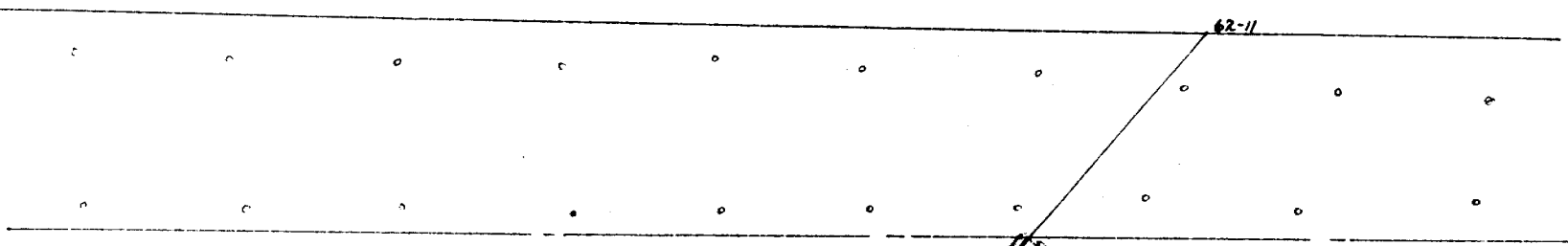
Scale - 1" = 40'

 Assay - Gold, Nickel

62-10

← SOUTH (AST)

62-11



McWATTERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.
LANAMUIR TWP. ONTARIO
Scale - 1" = 40'

62-11

DIAMOND DRILL RECORD

McIntatters Gold Mines Limited
Quebec Manitou Mines Limited Langair Twp. Ont.

PROPERTY HOLE No. **11**

SHEET NUMBER **1** SECTION FROM **0.0** TO **255.0** STARTED **Feb 18/62**

LATITUDE **S-50S BL 1** DATUM COMPLETED **Feb 19/62**

DEPARTURE **L56N** BEARING **South east** ULTIMATE DEPTH **255.0**

ELEVATION DIP **10** PROPOSED DEPTH **250.0**

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0.0 - 59.0	Casing							
59.0 - 255.0	Serpentinized Intermediate to Basic lavas fine grained highly serpentinized and carbonatized fine disseminated magnetite throughout.							
	148.0 - 167.0 - sections containing disseminated crystalline pyrite numerous serpentine shears from 153.0 - 158.0							
	214.0 - 216.0 - breccia fragments 1/2 to 1 inch in size - quite talesose							
	246.0 - 251.6 - same last section							
	End of Hole							

NORTHERN MINES FORM 501 REV. 1/54

W Horibette Diamond Drilling Ltd.

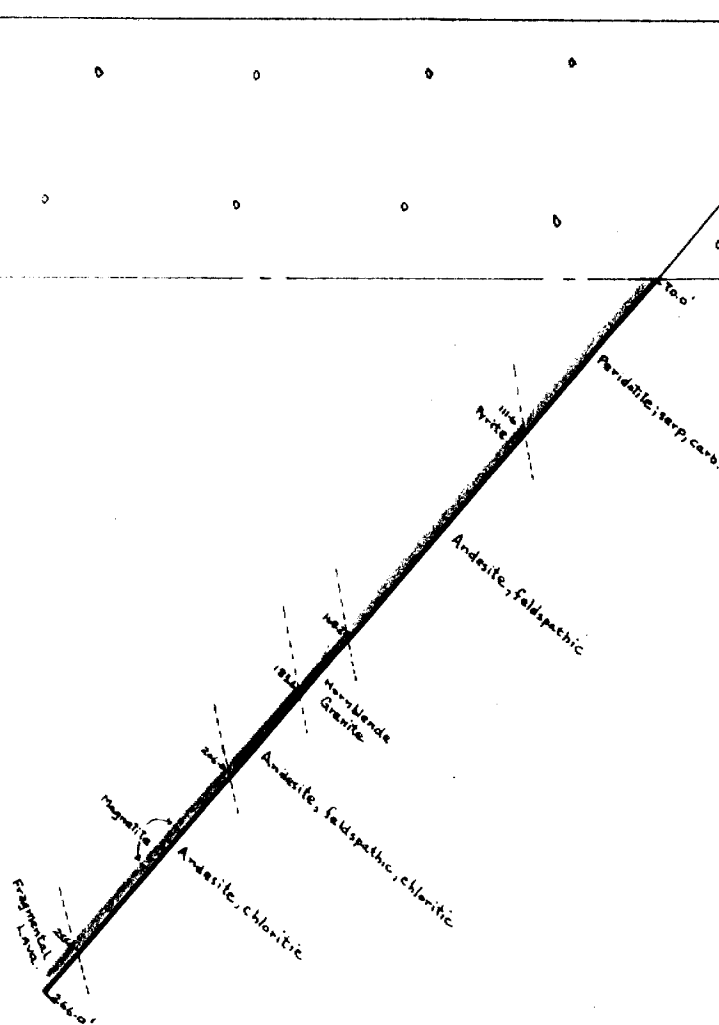
DRILLED BY _____

SIGNED _____

[Handwritten Signature]

S50°E (AST)

62-7L



McWATERS GOLD MINES LTD.
and
QUEBEC MANITOU MINES LTD.
LANGMUIR TWP. ONTARIO
Scale - 1" = 40'

62-12

DIAMOND DRILL RECORD

PROPERTY McWatters Gold Mines Limited
 Quebec Manitou Mines Limited Langmuir Twp. Ont. **HOLE No.** 62-12
SHEET NUMBER 1 **SECTION FROM** 0.0 **TO** 266.0 **STARTED** Feb 21/62
LATITUDE 10-30N **BL** 3 **DATUM** **COMPLETED** Feb 22/62
DEPARTURE L 12 W **BEARING** South **ULTIMATE DEPTH** 266.0
ELEVATION **DIP** 50 **PROPOSED DEPTH** 250.0

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0.0 - 70.0	Casing							
70.0 - 111.6	serpentinized peridotite - dark green to black in colour, talcose, carbonate stringers 45-50 to core axis, highly magnetic quite schistose from 106.6 to 110.0 at 50 degrees to CA							
111.6 - 168.2	Feldspathic Andesite - highly chloritized and carbonatized and serpentinized from 111.6 to 123.0 - some coarse pyrite in carbonate-quartz veinlet at 166.7 - 167.6							
168.2 - 183.6	Hornblende Granite - fine grained mouse colored rock							
183.6 - 206.0	Feldspathic Andesite - chloritized few qtz-carb. stringers.							
206.0 - 255.0	Andesite - chloritized, dark green fine grained, peppered with crystalline magnetite, cut by various qtz-carb stringers. Heavy magnetite at 217.0 - 242.0 and injected silica and feldspathic at 242-255.0							
255.0 - 266.0	Fragmental lava - flow top material banding 50 degrees to CA could be pillowed horizon?							

NORTHERN MINING **Drillers** **Drilling**

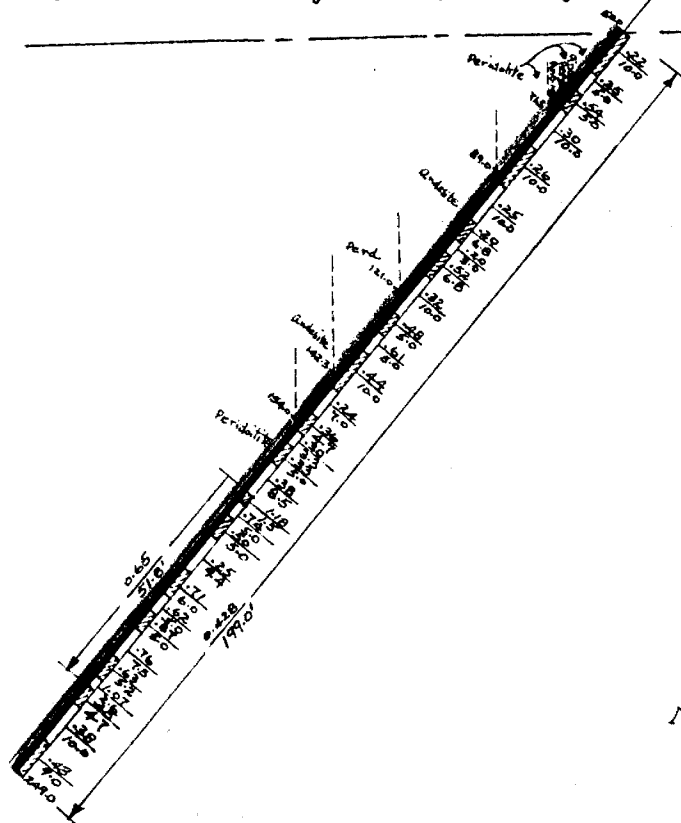
DRILLED BY

SIGNED

J. Hodgkinson

550°E (AST.)

62-13



DIAMOND DRILL RECORD

PROPERTY Hedders Gold Mines Limited
Quebec Maritica Mines Limited Longair Twp., Ont. **HOLE No.** 60-13
SHEET NUMBER 1 **SECTION FROM** 0.0 **TO** 249.0 **STARTED** Feb. 23, 1962
LATITUDE 20° 25' N of M. 12 **DATUM** - **COMPLETED** Feb. 27, 1962
DEPARTURE Line 16-00 East **BEARING** 65° E 1st. **ULTIMATE DEPTH** 249.0
ELEVATION - **DIP** 30 **PROPOSED DEPTH** 250.0

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						SI	§	
0.0- 50.0	Coaling	509	50.0	60.0	10.0	0.22		
50.0- 62.5	Peridotite - black, fine grained, magnetite sulphides	510	60.0	65.0	5.0	0.25		
		511	65.0	70.0	5.0	0.54		
		512	70.0	80.0	10.0	0.30		
		513	80.0	90.0	10.0	0.26		
62.5- 69.0	Andesite - fine grained blackish rock serpentinized and chlori- tized, magnetite sulphides	514	90.0	100.0	10.0	0.25		
		515	100.0	105.2	5.2	0.20		
		516	105.2	108.2	3.0	0.20		
		517	108.2	115.0	6.8	0.52		
69.0- 67.5	Peridotite - magnetite sulphides	518	115.0	125.0	10.0	0.32		
		519	125.0	130.0	5.0	0.48		
67.5- 71.5	Andesite - chloritized and serpen- tinized, magnetite sulphides	520	130.0	135.0	5.0	0.61		
		521	135.0	152.0	17.0	0.24		
		522	152.0	156.7	4.7	0.36		
71.5- 89.0	Peridotite - fine grained, serp. and chloritized, magnetite sulphides	523	156.7	160.0	3.3	0.30		
		524	160.0	165.0	5.0	0.33		
		525	165.0	173.5	8.5	0.38		
		526	173.5	175.0	1.5	1.18		
89.0-121.0	Andesite - serp., chloritized, magnetite sulphides	527	175.0	180.0	5.0	0.74		
		528	180.0	185.0	5.0	0.50		
		529	185.0	194.0	9.0	0.25		
		530	194.0	200.0	6.0	0.71		
121.0-14	Peridotite - serp., about 1% sulphs.	531	200.0	205.0	5.0	0.62		
		532	205.0	210.0	5.0	0.67		
		533	210.0	217.5	7.5	0.76		
			217.5	222.7	5.2	0.63		

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED 29/6/62	ELEVATION	HOLE No. 62-14
FOOTAGE	Angle	FINISHED 10.7.62.	HOR. COM.	SHEET No. 1 1 1
	Reading	LOCATION Clairmont 505D6	VERT. COM.	LOGGED BY K. POWERS
0-100	45	LATITUDE 17° 50' North S. 112° E.	AZIMUTH N. 90° W. 112° E.	TOTAL RECOVERY
100-200	47	DEPARTURE 15 00 00	LENGTH 342	

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	Averages
			From	To	Length		
0.0 - 70.0	Casing	401	107.0	114.0	5.0		
70.0 - 109.5	Basic igneous - coarse bedding or banding at 30° to 45°. Small, large angular white fragments. Light to dark green in colour. 70.0 - 85.0 leached and partly decomposed. Last core 70.4 - 70.5, 81.2 - 82.4	402	114.0	119.0	5.0		
		403	119.0	124.0	5.0		
		404	124.0	129.0	5.0		
		405	129.0	134.0	5.0		
109.5 - 200.0	Serpentinite - serpentinized, fine grained, dark olive green colours, scattered irregular carbonate veining throughout.	406	134.0	139.0	5.0		
		407	139.0	144.0	5.0		
		408	144.0	149.0	5.0		
	116.5 - 157.0 - weakly magnetic	409	149.0	154.0	5.0		
	157.0 - 170.0 - stronger magnetic 1% sulphides.	410	154.0	157.0	3.0		
	170.0 - 189.5 - 2-3% sulphides.	411	157.0	162.0	5.0		
	189.5 - 199.0 2 weakly magnetic sparse.	412	162.0	167.0	5.0		
	199 - 200.0 - quartz carbonate veining.	413	167.0	172.0	5.0		
		414	172.0	177.0	5.0		
200.0 - 246.0	Serpentinite - probably serpentinized andesitic lavas, very fine grained, considerable magnetite, very chloritic and talcose, some pyrrhotite, pyrite. Last core 247.2 - 248.0, 252.6 - 253.0	415	177.0	182.0	5.0		
		416	182.0	187.0	5.0		
		417	187.0	189.0	2.0		
		418	189.0	194.0	5.0		
		419	194.0	199.0	5.0		
246.0 - 338.0	Serpentinite - serpentinized - coarser grained than above sections	420	199.0	204.0	5.0		
	260.6 - 1" milky white carbonate.	421	204.0	208.0	4.0		
	261.6 - 262.5 milky white carbonate.	422	208.0	213.0	5.0		
	253.0 - 257.0 weakly magnetic, sparse sulphides.	423	213.0	219.0	6.0		
	257.0 - 260.6 stronger magnetic, sparse sulphides.	424	219.0	224.0	5.0		
	260.6 - 308.6 weakly magnetic.	425	224.0	229.0	5.0		
	308.6 - 315.3 stronger magnetic 1/2 - 1% sulphides.	426	229.0	234.0	5.0		
		427	234.0	239.0	5.0		
338.0 - 342.0	Serpentinite - serpentinized, basic lavas, very fine grained talcose, chloritic, some crystalline magnetite.	428	239.0	244.0	5.0		
		429	244.0	249.0	5.0		
		430	249.0	253.8	4.8		
		431	253.8	258.8	5.0		
	End of hole 342.0	432	258.8	263.8	5.0		
		433	263.8	269.0	5.2		
		434	269.0	274.0	5.0		
		435	274.0	279.0	5.0		

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED	ELEVATION	HOLE No. 62-14
FOOTAGE	Angle	FINISHED	HOR. COM.	SHEET No. 2 of 2
	Reading	Corrected	LOCATION	LOGGED BY M. Jurewski
			LATITUDE	TOTAL RECOVERY
		DEPARTURE	LENGTH	

Footage		DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	Averages
From	To			From	To	Length		
			435	279.0	284.0	5.0		
			437	284.0	289.0	5.0		
			438	289.0	294.0	5.0		
			439	294.0	299.0	5.0		
			440	299.0	304.0	5.0		
			441	304.0	309.0	5.0		
			442	309.0	314.0	5.0		
			443	314.0	319.0	5.0		
			444	319.0	324.0	5.0		
			445	324.0	329.0	5.0		
			446	329.0	334.0	5.0		
			447	334.0	339.0	5.0		
			448	339.0	342.0	3.0		

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED 13.7.62	ELEVATION	HOLE No. 62-15
FOOTAGE	Angle	FINISHED 19.7.62	HOR. COM.	SHEET No. 1
	Reading	LOCATION Claim P. 50856	VERT. COM.	LOGGED BY M. Zarowski
Collar	Corrected	LATITUDE 21 90 North Bl.#2.	AZIMUTH 5.50° Ast.	TOTAL RECOVERY
250	30	DEPARTURE Line 16 + 00 East.	LENGTH 556 feet.	
340	44			
	47			

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	
			From	To	Length	% Ni.	Averages
0.0	40.0	Casing.	457	218.8	224.0	5.2	
40.0	52.5	Andesite - massive, fine grained, chloritic, few carbonate stringers.	458	224.0	229.0	5.0	
			459	229.0	234.0	5.0	
52.5	150.0	Granite - fine grained, sugary texture, little red (bismite) staining along the fracture, scattered fragments of chloritic andesite up to 1/2 throughout. From 117.0 - 117.0 andesite inclusion. U.C. at 40 to C.A. Last core 77.0 - 79.0, 126.0 - 127.0, 1135.5 - 136.5 and 148.7 - 150.0	460	234.0	239.0	5.0	
			461	239.0	244.0	5.0	
			462	244.0	249.0	5.0	
			463	249.0	254.0	5.0	
			464	254.0	259.0	5.0	
			465	259.0	264.0	5.0	
			466	264.0	269.0	5.0	
150.0	163.9	Andesite - massive, fine grained chloritic, sheared and injected, with plenty of carbonate veins at about 25 to C.A.	467	269.0	274.0	5.0	
			468	274.0	279.0	5.0	
163.9	165.3	Quartz diorite dike.	469	279.0	283.0	4.0	
165.3	186.7	Andesite.	470	283.0	288.0	5.0	
186.7	193.0	Aplite dike, red colour, fine grained.	471	288.0	293.0	5.0	
193.0	218.7	Serpentinized - serpentinized basic lavas	472	293.0	298.0	5.0	
218.7	428.0	Peridotite - serpentinized. 326.5 - 331.4 - chloritic andesite, lots Fe ₃ O ₄ . 331.4 - 365.0 - definitely highly serpentinized peridotite. 400.0 - 425.0 very fine grained.	473	298.0	303.0	5.0	
			474	303.0	308.0	5.0	
			475	308.0	313.0	5.0	
			476	313.0	318.0	5.0	
428.0	438.3	Serpentinized - serpentinized basic mass. volcanics.	477	318.0	323.0	5.0	
			614	323.0	330.0	7.0	
438.5	556.0	Peridotite - serpentinized. 449.5 - 464.0 + 1/2% disseminated sulphides. weakly magnetic. 464.0 - 472.0 - 1-1.1/2% sulphides. 472.0 - 502.0 - 3-5% 502.0 - 519.0 - 1% 521.0 - 556.0 - 1/2% 538.0 - 540.1 - scattered peridotite - veinlets. End of Hole 556.0	615	330.0	335.0	5.0	
			616	335.0	340.0	5.0	
			617	340.0	345.0	5.0	
			618	345.0	350.0	5.5	
			619	350.0	355.0	5.0	
			620	355.0	360.0	5.0	
			621	360.0	365.0	5.0	
			622	365.0	370.0	5.0	
			623	370.0	275.0	5.0	
			478	375.0	380.0	5.0	
			479	380.0	385.0	5.0	
			480	385.0	390.0	5.0	
			481	390.0	395.0	5.0	

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED	ELEVATION	HOLE No. 62-15
FOOTAGE	Angle	FINISHED	HOR. COM.	SHEET No. 2 of 2
	Reading Corrected	LOCATION	VERT. COM.	LOGGED BY
		LATITUDE	AZIMUTH	TOTAL RECOVERY
		DEPARTURE	LENGTH	

Footage		DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	Averages
From	To			From	To	Length % Ni.		
			482	395.0	400.0	5.0		
			488	400.0	405.0	5.0		
			489	405.0	411.0	6.0		
			490	411.0	416.0	5.0		
			491	416.0	421.0	5.0		
			492	421.0	426.0	5.0		
			493	426.0	431.0	5.0		
			494	431.0	436.0	5.0		
			495	436.0	441.0	5.0		
			496	441.0	446.0	5.0		
			497	446.0	450.0	4.0		
			498					
			483	450.0	455.0	5.0		
			484	455.0	460.0	5.0		
			485	460.0	465.0	5.0		
			486	465.0	470.0	5.0		
			487	470.0	475.0	5.0		
			498	475.0	480.0	5.0		
			499	480.0	485.0	5.0		
			500	485.0	490.0	5.0		
			501	490.0	495.0	5.0		
			502	495.0	500.0	5.0		
			503	500.0	505.0	5.0		
			504	505.0	510.0	5.0		
			505	510.0	515.0	5.0		
			506	515.0	520.0	5.0		
			507	520.0	525.0	5.0		
			508	525.0	530.0	5.0		
			509	530.0	535.0	5.0		
			510	535.0	540.0	5.0		
			511	540.0	545.0	5.0		
			512	545.0	550.0	5.0		
			513	550.0	556.0	6.0		

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED 22.7.62	ELEVATION	HOLE No. 62-16
FOOTAGE	Angle	FINISHED 27.7.62	HOR. COM.	SHEET No. 1 of 1
	Reading Corrected	LOCATION Claims P. 50856 & 50873.	VERT. COM.	LOGGED BY M. Zurowski
Collar 350	252 50 48	LATITUDE 13 14 N. E1 #2.	AZIMUTH 550° Ast.	TOTAL RECOVERY
		DEPARTURE Line 20 + 00 East.	LENGTH 375 feet.	

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS % Ni.	Averages
			From	To	Length		
0.0 34.0	Casing	624	116.8	124.0	7.2		
34.0 46.2	Andesite - alterations, some feldspathization throughout 44.6 - 45.0. 1-2% cubic pyrite.	625	124.0	129.0	5.0		
46.2 100.7	Granite. same as in hole 62-15, last core 65.0 - 66.0	626	129.0	134.0	5.0		
100.7 126.0	Andesite - silicified, highly chloritized and serpentinized from 121.0 - 126.0. last core 119.5 - 114.0, 119.0 - 121.0, 102.5 - 103.5	627	134.0	139.0	5.0		
		628	139.0	144.0	5.0		
		629	144.0	147.0	3.0		
		630	147.0	152.0	5.0		
		631	152.0	157.0	5.0		
126.0 305.0	Peridotite - serpentinized, very talcose, last core 127.0 - 129.0 255.7 - 257.0, 264.6 - 266.0. From 252.3 - 260.0 serp. chl. Andesite.	632	157.0	162.0	5.0		
		633	162.0	167.0	5.0		
		634	167.0	173.8	6.8		
		635	173.8	179.0	5.2		
		636	179.0	185.0	6.0		
305.0 310.0	Andesite - serp. silicified.	637	185.0	188.4	3.4		
310.0 314.5	Aplite dikes.	638	188.4	193.4	5.0		
		639	193.4	197.1	3.7		
		640	197.1	200.0	2.9		
314.5 349.2	Basic agglomerate - no bedding, could be andesite breccia, shearing at 45° to C.A. last core 315.6 - 319.0, 325.5 - 328.0 335.1 - 337.3 aplite dike, 345.4 - 345.7. 9.1/2 vein 1% chalc.	641	200.4	207.3	6.9		
		642	207.3	212.0	4.7		
		643	212.0	217.0	5.0		
		644	217.0	222.0	5.0		
		645	222.0	227.0	5.0		
349.2 375.0	Andesite - chloritized. Last core 371.0 - 372.0 372.0 - 373.5 brecciated, silicified.	646	227.0	232.0	5.0		
		647	232.0	237.0	5.0		
		648	237.0	242.0	5.0		
		649	242.0	247.0	5.0		
		650	247.0	251.0	4.0		
		651	251.0	258.8	7.8		
		652	258.8	264.0	5.2		
		653	264.0	269.0	5.0		
		654	269.0	274.0	5.0		
		655	274.0	279.0	5.0		
		656	279.0	283.6	4.6		
		657	283.6	289.0	5.4		
		658	289.0	294.0	5.0		

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED 31.7.62	ELEVATION	HOLE No. 62-17
FOOTAGE	Angle	FINISHED 5.8.62	HOR. COM.	SHEET No.
	Reading	LOCATION C. 7-90673	VERT. COM.	LOGGED BY W. Jurewski
Collar	41	LATITUDE 15 8N of B.L.#2	AZIMUTH S 50° E Ast.	TOTAL RECOVERY
200	42	DEPARTURE Line 24 00	LENGTH 422 feet.	
400	41			

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	Averages
			From	To	Length		
0.0	22.0 Casing.	665	21.5	22.0	0.5		
22.0	73.5 Andesite - massive, dark green, carbonatized and silicified mauve coloured, alteration in places 52.0 - 66.0 injected with carbonate veins at 65 - 70° to C.C.	666	135.0	140.0	5.0		
		667	140.0	145.0	5.0		
		668	145.0	150.0	5.0		
		669	150.0	155.0	5.0		
73.5	123.0 Peridotite - serpentinized, andesite from 106.7 - 111.0. Lost core 110.0 - 111.0, 119.0 - 120.0, 90.0 - 92.0	670	155.0	160.0	5.0		
		671	160.0	165.0	5.0		
123.0	137.0 Andesite - serpentinized, considerable bicuite from 127.8 - 132.5.	672	165.0	170.0	5.0		
		673	170.0	175.0	5.0		
137.0	180.5 Peridotite - serp. 180.4 - 184.3, 60% pyrite, 10% Fe ₃ O ₄ 197.5 - 198.5 - 90% pyrite, 10% Fe ₃ O ₄	674	175.0	180.0	5.0		
		675	180.0	184.4	4.4		
180.5	230.0 Serpentinite - serp. basic lavas, very fine grained slightly schistose. 201.3 - 201.5 - 40% pyrite.	676	184.4	190.0	4.6		
		677	190.0	195.0	5.0		
		678	195.0	197.7	2.7		
230.0	271.0 Peridotite - serpentinized.	679	197.7	198.7	1.0		
		680	198.7	204.0	5.3		
271.0	301.5 Serpentinite - same as from 180.5 - 230.0, 295.5 - 296.2, black basic dike, good sharp contacts. Lost core 224.0 - 225.0.	681	204.0	209.0	5.0		
		682	209.0	214.0	5.0		
		683	214.0	219.0	5.0		
		684	219.0	223.0	4.0		
301.5	340.5 Peridotite - serpentinized.	685	235.0	241.0	6.0		
		686	253.1	256.0	2.9		
340.5	351.5 Andesite - serpentinized.	687	256.0	261.0	5.0		
		690	261.0	266.0	5.0		
351.5	422.0 Intermediate - Lava (Dacite) light green colour, lightly silicified, Lost. Core 365.5 - 370.0, 380.5 - 382.0 386.0 - 389.5	691	266.0	271.0	5.0		
		692	271.0	273.4	2.4		
		693	273.4	273.4	0.0		
	End of Hole 422.0	689	278.4	284.0	5.6		
		693	301.4	306.5	5.0		

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED Aug. 3, 1962	ELEVATION	HOLE No. 62-18
FOOTAGE Collar 300'	Angle	FINISHED Aug. 11, 1962	HOR. COM.	SHEET No. 1
	Reading	LOCATION Claim P50873	VERT. COM.	LOGGED BY M. Zurowski
	Corrected	LATITUDE 10 00N BL#2	AZIMUTH N50°W	TOTAL RECOVERY
		DEPARTURE Line 24°00'	LENGTH 409.0 ft.	

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS		Averages
			From	To	Length	%Ni.		
0.0 66.0	Casing.	694	303.0	306.5	3.5			
66.0 70.0	Andesite - carbonate stringer parallel to C.A. h.c. 67.5 - 70.0	695	306.5	310.0	3.5			
		696	385.0	389.0	4.0			
70.0 80.0	Felsite Dyke - L.C. 79.5 - 80.0							
80.0 147.8	Andesite - chloritized and carbonatized. 89-90° L.C. 99.5 - 100.0 103.5 - 109.0 getting more from 128.0 - 134.0 breccia (F. top) Core 138.5 - 140.0 146.2 - 148.2 150.5 - 151.0							
197.8 226.4	Int. Lava (Diorite)							
226.4 233.6	Andesite							
233.6 259.1	Rhyolite							
259.1 264.8	Qtz. Diorite Dyke							
264.8 297.0	Andesite Chlorite serp. from 283.0 - 297.0 265.6 - 268.0 L.C.							
297.0 383.6	Serp. Peridotite. 347.1 and incl. 347.1 - 348.0 10% magnetite.							
383.6 409.0	And. chlorite, serp. getting slightly more acid towards bottom							

MCCHATTERS GOLD MINES LTD.

PROPERTY
Langmuir Township

DIAMOND DRILL LOG

FOOTAGE	DIP TEST		COMMENCED Aug. 26/62	ELEVATION	HOLE No. 62-19
	Angle		FINISHED Aug. 27/62	HOR. COM.	SHEET No. 1
Collar	Reading	Corrected	LOCATION Claim 50856	VERT. COM.	LOGGED BY M. Zurowski
200'	-	50°	LATITUDE 18-40 N of BL #2	AZIMUTH N 50 W Ast	TOTAL RECOVERY
400	52	44	DEPARTURE Line 12-00 E	LENGTH 496	
	55	47			

Footage		DESCRIPTION	Sample No.	FOOTAGE			ASSAYS		Averages
From	To			From	To	Length	\$Ni	Oz/Au	
0.0	82.0	Casing - probably boulder from 70.0-73.5, could be bedrock grey, rhy-lite 70.0-75.0; gabbro 71.5-73.5							
82.0	95.8	Aplite - fine grained mouse to dark grey in color. Lost core 85.0-82.5; 92.0-93.0							
95.8	189.5	Quartz Porphyry - white to greyish white in color, vary in appearance - slightly sheared at 45 to 55 deg. to C.A. Not too abundant qtz. phenocrysts, angular to sub angular. Lost core sections as follows: 97.5-99.0; 100.5-102.0, 107.0-108.5; 115.5-117.0; 120.8-122.0. A little brassy mineral in fractures (Fe, Ni, S ?) - lost core 153.5-155.0; 174.5-175.0							
189.5	212.0	Quartz diorite - fragment of intermediate lava at 196.0-198.0. Lost core 195.0-208.0, 200.9, 201.5. - Qtz. vein barren 201.5-212.0. Reddish alteration probably due to mineral stichtite							
212.0	223.0	Quartz Porphyry darker in color than above.							
223.0	229.0	Andesite - serpentinized, dark green in color, 225-227.0 L.C.	697	206.6	211.6	5			
229.0	270.0	Serpentinized (Serp. Andesite) - generally f.g. considerable talc - carbonate veining, 245.0-247.0 L.C.	698	211.6	216.6	3			
			699	216.6	221.6	5			
270.0	433.0	Serpentinized peridotite - f.g. sparse Fe, Ni, S., magnetite, quite talcose, white scotling throughout	700	221.6	225.0	3.4			
		276.8-278.5 andesite inclusion, chlorite 2-3% magnetite	701	225.0	230.0	5			
		309.0-311.0 ditto	702	230.0	235.0	5			
		329.0-329.7 "	703	235.0	239.0	4			
		334.0-334.6 "	704	255.0	260.0	5			
		336.0-350.0 - 30-50% white apple green talc veining at 30-20° to C.A. sections parallel to C.A.	705	260.0	265.0	5			
			706	265.0	270.0	5			
			707	270.0	275.0	5			
433.0	441.4	Andesite - serpentinized, carbonatized	708	290.0	295.0	5			
441.4	470.2	Aplite dyke - reddish brown - 1-2% disseminated cubic py. 442.4-443.5; 453-455 lost core	709	295.5	298.0	3			
			713	441.4	449.8	8.4			
470.2	475.0	Andesite - bleached - talcose - scattered sparse sulphides							
475.0	478.0	Peridotite - serpentinized							
478.0	498.0	Andesite - green - serpentinized - scattered sparse sulphides throughout							
		End of Hole - 498.0							

MCWATERS GOLD MINES LTD.

PROPERTY
Langmuir Township

DIAMOND DRILL LOG

FOOTAGE	DIP TEST	
	Angle	
	Reading	Corrected
Collar		50
200'	54	47
400'	54	47

COMMENCED Aug. 29/62
 FINISHED Sept. 6/62
 LOCATION Claims 50856, 50850
 LATITUDE 18+50N BL #2
 DEPARTURE Line 8+00E

ELEVATION
 HOR. COM.
 VERT. COM.
 AZIMUTH N 50° W Ast
 LENGTH 496.0

HOLE No. 62-20
 SHEET No. 1
 LOGGED BY M. Zarowski
 TOTAL RECOVERY

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS		Averages
			From	To	Length	% Si	Oz Au	
0.0 112.0	Casing	710	178.6	183.6	5.0			
112.0 146.7	Rhyolite - light olive green color, carbonated. Lost core 118.5-120.0; 126.8-128.0; 131.4-134.5; 137.5-140.0; 144.3-145.0; 146.8-150.0	711	231.7	237.7	6.0			
146.7 153.4	Andesite - dark green, chloritized, scattered cubes of pyrite	712	291.0	294.0	3.0			
153.4 205.0	Rhyolite - light green color, few amygdalae, slightly more basic than from 112.0-146.7; 173.6-183.6 disseminated pyrite	714	315.0	324.0	9.0			
205.0 257.4	Rhyolite Breccia - 231.7-237.7 - less than 2% pyrite-pyrrhotite	715	325.0	325.8	0.8			
257.4 315.0	Intermediate Lava - dark grey to greyish green color, quite massive looking, silicified and serpentinized from 260.0-279.0, flow breccia(?) from 310.0-315.0 291.0-294.0 - 5% pyrite; 294.0-295.0 lost core 295.0-300.0 less than 1% pyrite	716	346.5	347.7	1.2			
315.0 324.0	Felsite Dike - minor pyrite	717	446.5	456.5	10.0			
324.0 325.0	Flow Breccia, same as 310.0-315.0	718	456.5	466.5	10.0			
325.0 325.8	Felsite Dike	719	466.5	476.0	9.5			
325.8 346.5	Andesite - chloritized and silicified, flow top breccia(?) from 325.8 to 331.8 and from 336.8-338.0, banding at 50° to C.A.; 343.0-351.5 highly silicified and injected with narrow quartz veins.							
346.5 347.7	Felsite Dike							
347.7 425.0	Andesite - white mottling throughout giving the rock a porphyritic appearance. Epidotized; light green color and more acid from 398.0-421.0							
425.0 426.8	Felsite Dike							
426.8 446.5	Andesite - dark green, chloritized, strong reddish alteration from 434.2-436.0 and 439.0-440.0							
446.5 496.0	Peridotite - serpentinized. Lost core 453.5-455.0; 465.0-466.0. From 476.0-496.0 only 3.0 feet of core recovered. Very talcose.							
End of Hole 496.0.								

PROPERTY

DIAMOND DRILL LOG

DIP TEST		COMMENCED Aug. 13. 62	ELEVATION	HOLE No. 62-21
FOOTAGE	Angle	FINISHED Aug. 17, 62.	HOR. COM.	SHEET No. 1
	Reading	LOCATION Claim 250849	VERT. COM.	LOGGED BY M. Jurcowski
Collar	Corrected	LATITUDE 9 10 South Bl. #1	AZIMUTH N. 37° W Ast.	TOTAL RECOVERY
200	56	DEPARTURE Line 30470 West	LENGTH 455	
400	63. 1/2			

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS % Ni.	Averages
			From	To	Length		
0.0 78.0	Casing.	720	205.0	215.0	10.0		
		721	359.0	370.0	10.0		
78.0 389.0	Serpentinite, massive, black in colour, very fine grained.	722	389.0	395.0	6.5		
	123.0 - 125.0, pillow rims ? At 117.5 - 9.5 ft. of	723	395.0	402.0	6.5		
	white carbonate parallel to C.A. 226.0 - 227.0 breccia	724	440.0	450.0	10.0		
	323.0 - 329.5 very fine banding at various angles to						
	C.A. due to serpentine, talc and seracite.						
	Probably serpentinized basic lavas.						
389.0 402.0	Peridotite - serpentinized, little coarse grained than above,						
	numerous talc carbonate veins.						
402.0 455.0	Serpentinite - same as above.						
	440.5 - 441.0 - shear at 45° to C.A.						
	444.5 - 445.5 biotite rich. Biotite lamprophyre ?						
	End of Hole						

MCWATERS GOLD MINES LTD.

PROPERTY
Lebanon Township

DIAMOND DRILL LOG

FOOTAGE	DIP TEST		COMMENCED Sept. 21st, 1962	ELEVATION	HOLE No. 62-22
	Angle		FINISHED Sept. 27th, 1962	HOR. COM.	SHEET No. 1
Cellar	Reading	Corrected	LOCATION Claim 50852 - 90850	VERT. COM.	LOGGED BY M. J. ...
200'	50	45 1/2	LATITUDE 15-00 North BL #1	AZIMUTH North	TOTAL RECOVERY
400'	50	42 1/2	DEPARTURE Line 28-00 West	LENGTH 585'	

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	Averages
			From	To	Length		
0.0 22.0	Casing	725	120.0	130.0	10.0'		
22.0 25.0	Andesite Breccia - probably flow top material or agglomerate light grey fragments in basic matrix	726 727 728 729	130.0 140.0 150.0 160.0	140.0 150.0 160.0 170.0	10.0' 10.0' 10.0' 10.0'		
25.0 33.7	Dicrite dyke	730 731	170.0 180.0	180.0 190.0	10.0' 10.0'		
33.7 71.0	Andesite - chloritized, fragmental or flow top material from 41.4-47.5, 51.2-60.1 lost core 38.0-40.0, 43.0-44.3, 55.6-56.0, 70.8-71.0. Quartz Vein 68.9-70.1	732 733 734 735	190.0 200.0 210.0 220.0	200.0 210.0 220.0 224.7	10.0' 10.0' 10.0' 4.7'		
71.0 86.0	Dicrite - carbonated. Lost core 73.0-74.0, 78.5-79.5, 83.0-85.0	736 737	224.7 229.7	229.7 231.0	5.0' 1.3'		
86.0 584.5	Peridotite - serpentinized, dark green to light green in color, serpentine and carbonate stringers throughout	738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755	231.0 240.0 250.0 260.0 270.0 280.0 290.0 300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0 400.0	240.0 250.0 260.0 270.0 280.0 290.0 300.0 310.0 320.0 330.0 340.0 350.0 360.0 370.0 380.0 390.0 400.0 410.0	9.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0' 10.0'		
584.5 585.0	Granite - dyke	756 757	410.0 420.0	418.8 430.0	8.8' 10.0'		
End of hole 585.0'							

MCWATERS GOLD MINES LTD.

PROPERTY
Langsair Township

DIAMOND DRILL LOG

FOOTAGE	DIP TEST		COMMENCED	Oct. 8, 1962	ELEVATION	HOLE No. 62-24
	Angle		FINISHED	Oct. 15, 1962	HOR. COM.	SHEET No. 1
Collar	Reading	Corrected	LOCATION	Claim P-50874	VERT. COM.	LOGGED BY W. Zurowski
200'	45	35	LATITUDE	18-50 N of B.L. #3	AZIMUTH	W 50° W. Ast.
400	49	41	DEPARTURE	Line 44-00 East	LENGTH	790 feet
600	49	41				TOTAL RECOVERY

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS	Averages
			From	To	Length		
0.0 130.0	Casing	758	135.0	195.0	10.0		
130.0 174.0	Phy-lite - light grey color, siliceous, slightly schistose, hard, partly brecciated, vuggy, considerable material leached out. Lost core sections 143.6-147.2; 148.6-150.-; 157.8-151.3; 162.6-163.0.	759 760 761	230.0 240.0 260.0	240.0 270.0 370.0	10.0 10.0 10.0		
174.0 208.2	Serpentinite - (Serpentinized Peridotite) - numerous narrow, less than 6 inches in length of dark green, fine grained chlorite-serpentinized sections, probably lava inclusions. 178.7-180.0 lost core. Minor amount less than 1% pyrite-magnetite. Very talcose.	762 763 764 765	460.0 525.0 545.0 555.0	470.0 535.0 555.0 565.0	10.0 10.0 10.0 10.0		
208.2 248.0	Gabbro - coarse grained, hard, fresh looking rock, white to cream colored feldspar mottling throughout. Contacts obscured and chloritized 246.0-246.4 and 247.2-248.0 - fine grained massive colored granitic dikes. 2-3% crystalline pyrite and some quartz veining.	766 767 768 769 770	565.0 575.0 585.0 595.0 605.0	575.0 585.0 595.0 605.0 625.0	10.0 10.0 10.0 10.0 10.0		
248.0 260.7	Serpentinite (Serpentinized Andesite) - dark green, fine grained, soft.	771	615.0	625.0	10.0		
260.7 351.0	Serpentinized Peridotite - 260.7-345.0. 1% pyrite; 260.7-345.0 fine grained quite fresh looking; 345.0-351.0 highly serpentinized.						
351.0 355.2	Serpentinized Andesite - same as 248.0-260.7.						
355.2 481.4	Serpentinized Peridotite 388.0-414.0 - light grey serpentine, banded at 40 degrees to C.A., talcose and some muscovite mica 387.2-388.0 - 3% crystalline pyrite. L.C. 394.0-394.5 410.8-414.0, 431.9-434.0 - chloritized andesite.						
481.4 501.6	Phy-lite - light green color, massive. Lost Core 488.5-489.4						
501.6 525.0	Tremolite Serpentinite - light green rosettes of tremolite in a light grey serpentinite.						
525.0 790.0	Serpentinized Peridotite - several narrow asbestos fibre seams. Mica seen at 743.5 2 inches wide. 700.0-790.0 2-3% narrow about 1/16 in. wide bluish green color talc. Grading to a diorite. Lost core 551.0-552.0; 600.4-600.9; 760.0-763.1; 771.1-772.8; 778.7-779.7; 783.4-787.5. Little disc. crystals of purplish mineral - probably stichtite.						
End of Hole 790.0							

McWATTERS GOLD MINES LTD.

PROPERTY LANGMUIR TWP.

DIAMOND DRILL LOG

DIP TEST			COMMENCED May 9th, 1965.	ELEVATION	HOLE No. 64-25
FOOTAGE	Angle		FINISHED May 16, 1965.	HOR. COM.	SHEET No. 1 of 2
	Reading	Corrected	LOCATION Claim 50853 & 50859	VERT. COM.	LOGGED BY J.S. Donaldson
200	46.8	39.5°	14+00 North of B.L.	AZIMUTH North	TOTAL RECOVERY
400	46.5	39°	LATITUDE No. 1		
600	46.5	39°	DEPARTURE 52+00 West	LENGTH 715'	

Footage		DESCRIPTION	Sample No.	FOOTAGE			ASSAYS			Averages
From	To			From	To	Length				
0	70	Casing								
70	113	Peridotite Serpentinized - massive, phaneritic occ. Serpentine stringers - occ. magnesite stringers; occ. magnetite assoc. with magnesite as at 82. 109.5 - 191.5 - Dunitic with magnetite. Filling fractures. Barren of sulphides.								
113	203.2	Peridotite - Dunitic - m.g. to f. g. - yellow - green fishroe texture in sections; mainly fractured with blue talc or magnesite filling fractures; serpentinized in sections; occ. thin magnetite seams 160 - 175 - Occ. chrysotile seams Gredational Lower Content Barren - Lost Core - 169.4 - 173.8 (Ground).								
203.2	456.5	Peridotite Serpentinite - black - yellow black, generally f. g. and magnetic; occ. small dunitic sections; numerous bluish green talc seams or talc - serpentine seams; fishroe texture in sections; occ. chrysotile fiber seams as at 250; Barren Lost Core 363 - 365 (Ground) 446.5 - 448 455 - 456								
456.5	658.3	Quartz Diabase - f. g. at contacts; occ. serpentine seams or serpentinized on slips - Bits of olivine up to 1/2" diss. throughout; occ. qtz. or qtz.-carbonate stringers; meagre pyrite -pyrrhotite mineralization.								
658.3	665.8	Peridotite - Dunitic - v.f.g. , fishroe texture; occ. serpentine stringers partly altered to talc; occ. magnetite seams Barren of sulphides.								

McWatters Gold Mines Ltd

PROPERTY

Logmuir Township

DIAMOND DRILL LOG

DIP TEST		COMMENCED June 11, 1967	ELEVATION	HOLES No. 07-1
FOOTAGE	Angle	FINISHED June 14, 1967	HOB. COM.	SHEET No. Sheet 1
	Reading	LOCATION Cl. P-50874	VERT. COM.	LOGGED BY W. Weber
Collar	Corrected		AZIMUTH N50°W Ast.	TOTAL RECOVERY + 98%
		LATITUDE 7+00N of B. L. 3	LENGTH 426.0	
		DEPARTURE Line 44+00 East		

Footage		DESCRIPTION	Sample No.	FOOTAGE			ASSAYS			Averages
From	To			From	To	Length				
0	150	Casing Overburden								
150	153	Coarse grained salt & pepper metacrysts in greenish dyke metadiorite								
153	161	Intermediate pale to med. greenish grey fragmental dacitic lava								
161	165	Coarse grained slightly schistose metadiorite dyke? as above 150								
165	190.8	Silicified dacite or rhyodacite pale greenish grey acid lava - fragmental - slight schistosity 30° to core.								
190.8	198.2	Strong carbonate metacrysts - pseudo-diorite similar to above 150								
198.2	205	Slightly sheared pale greenish siliceous lava rhyodacite - grades to massive flow.								
205	253	Schistose flow breccia - intermediate andesitic, highly carbonatized - partially serpentized schistosity 40° to core Coarse cubic pyrite 217 - 227 - 3% sulphides 234 - 235 - Spotty 2% sulphides								
253	362.8	Dark greenish massive basaltic lava, local flow breccia 253 - 263. 254 - 255 Narrow syenitic dike. Occ. cubic pyrite in coarse massive lava. 269.6-270.9 Narrow syenitic dike 284.3 -290.5 Syenitic dike 290.5 contd. basic flow, dark green chloritic basalt-carbonate stringers - thick flow - little interbreccia - minor schistosity 20° to core, highly carbonatized.								

contd.....



McWatters Gold Mines Ltd.

PROPERTY

Angmuir Township

DIAMOND DRILL LOG

DIP TEST		
FOOTAGE	Angle	
	Reading	Corrected
Collar		50°

COMMENCED June 15, 1967

FINISHED June 22, 1967

LOCATION Claim P-50862

LATITUDE 1+00N of B. L. 3

DEPARTURE Line 36+00 East

ELEVATION

HOB. COM.

VERT. COM.

AZIMUTH N50°W Ast.

LENGTH 425'

HOLE No. 67-2

SHEET No. Sheet 1

LOGGED BY W. W. Weber

TOTAL RECOVERY + 99%

Footage		DESCRIPTION	Sample No	FOOTAGE			ASSAYS		Averages
From	To			From	To	Length	% Ni	% Au	
0	83	Casing - Overburden	1	128.0	135.0	7.0	Nil	Nil	
			2	237.0	242.2	5.2	Nil	Nil	
83	219.2	2 Variolitic fragmental lava - intermediate flow breccia passing to massive fine grained pale greenish grey dacite flow							
		101.8 - 106 Lost core							
		106 contd, altered poss, silicified massive lava as above.							
		128 - 134 Cherty iron formation flow breccia.							
		Sulphides - pyrite - pyrrhotite 132-134 - 10%							
		134 contd, massive amygdaloidal greenish grey dacitic lava.							
		162.3 - 162.7 Qtz. vein barren							
219.2	237	Tuffaceous flow breccia - fragmental lava							
		Sparse pyrrhotite 220-221							
		Minor schistosity 10° to core.							
237	242.3	Massive magnetite seam - coarse blebs and stringers subic pyrite.							
242.3	266.6	6 Massive dark green basalt - fine grained at contact, grades to coarse grained gabbroic locally - pillow setages apparent							
266.6	371.6	Flow breccia - basaltic grading to greenish, fine grained lava - occ. brecciation, variolites							
		287.7 - 288.4 Qtz. stringers							
		295-300 Scoliaceous flowtop,							
		300.2 contd, massive dark greenish chloritic carbonatized basaltic lava - slight schistosity							
		327 - 327.6 carbonate stringers							
		351.5 - 352.5 Serpentin dike							
371.6	425	Intrusive contact - coarse grained metapyroxenite grading at 387.2 to massive talcose peridotite							
		420-425 strongly talcose blocky - nil mineralization							
		425 - End of Hole							

McWatters Gold Mines Ltd.

PROPERTY
Langmuir Twp. Property

DIP TEST		
FOOTAGE	Angle	
	Reading	Corrected
Collar		50°
300		42 $\frac{1}{3}$

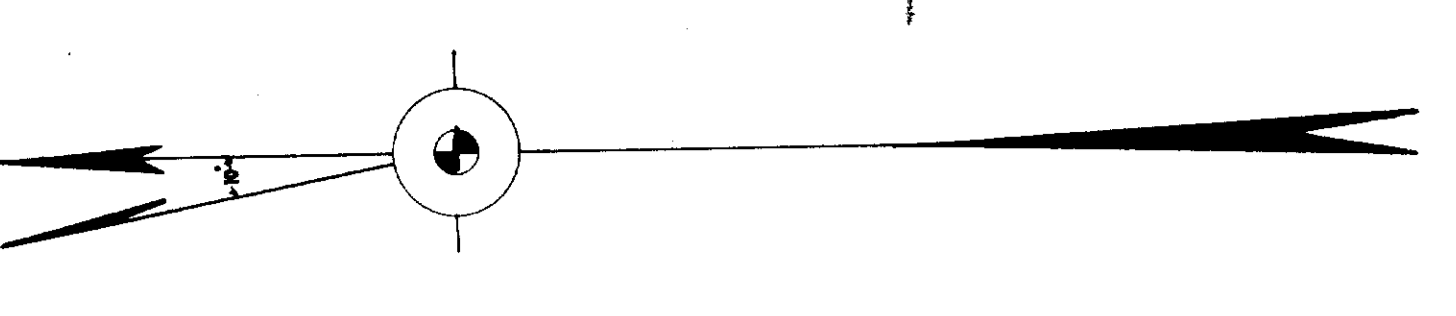
COMMENCED	JULY 3 rd 1967
FINISHED	JULY 14 th 1967
LOCATION	Claim 50840
LATITUDE	27+50 South B. L. No. 1
DEPARTURE	28+00 West

ELEVATION	
HOR. COM.	
VERT. COM.	
AZIMUTH	South
LENGTH	447 feet

HOLE No.	67-3
SHEET No.	1 of 1
LOGGED BY	J. S. Donaldson
TOTAL RECOVERY	

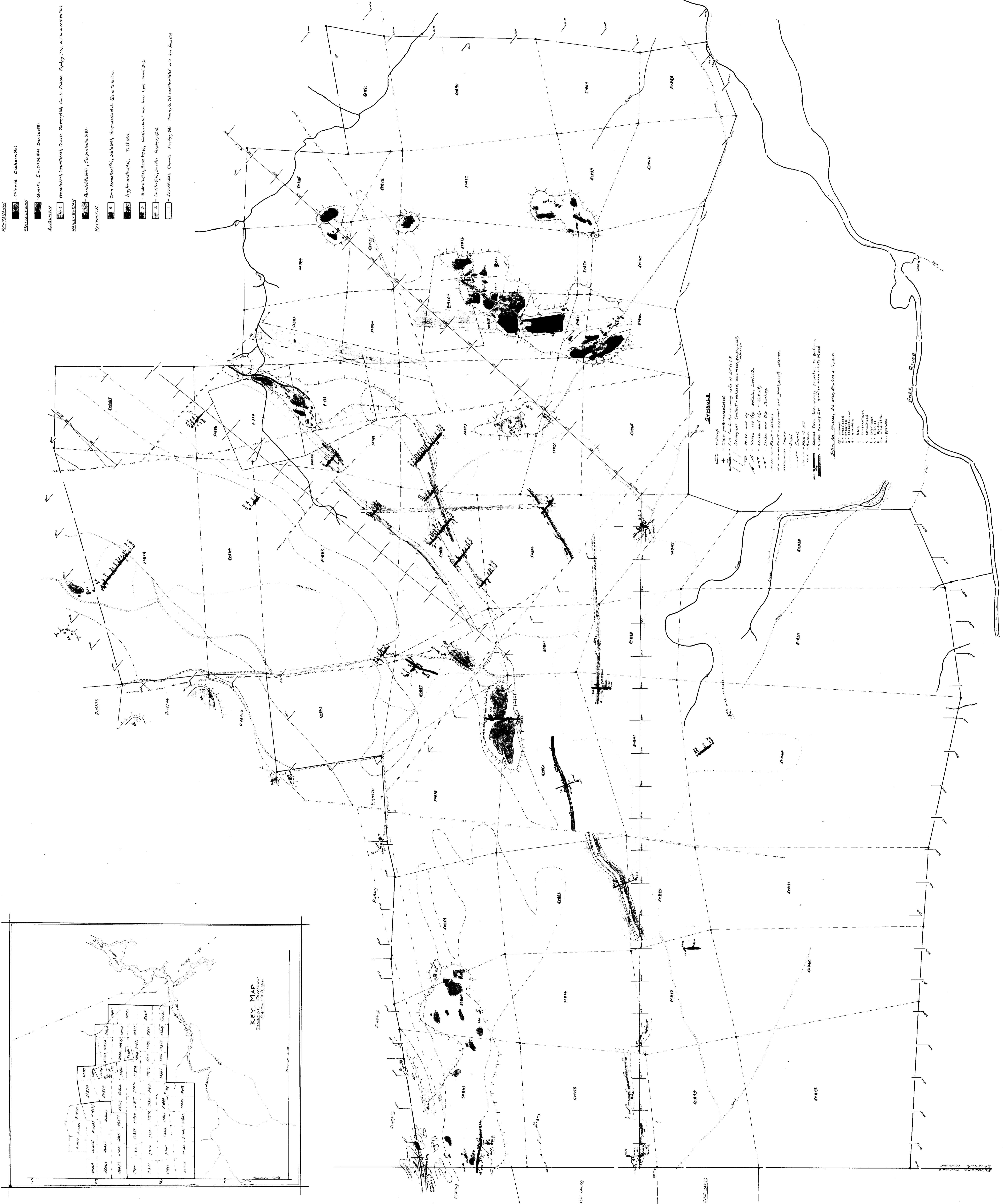
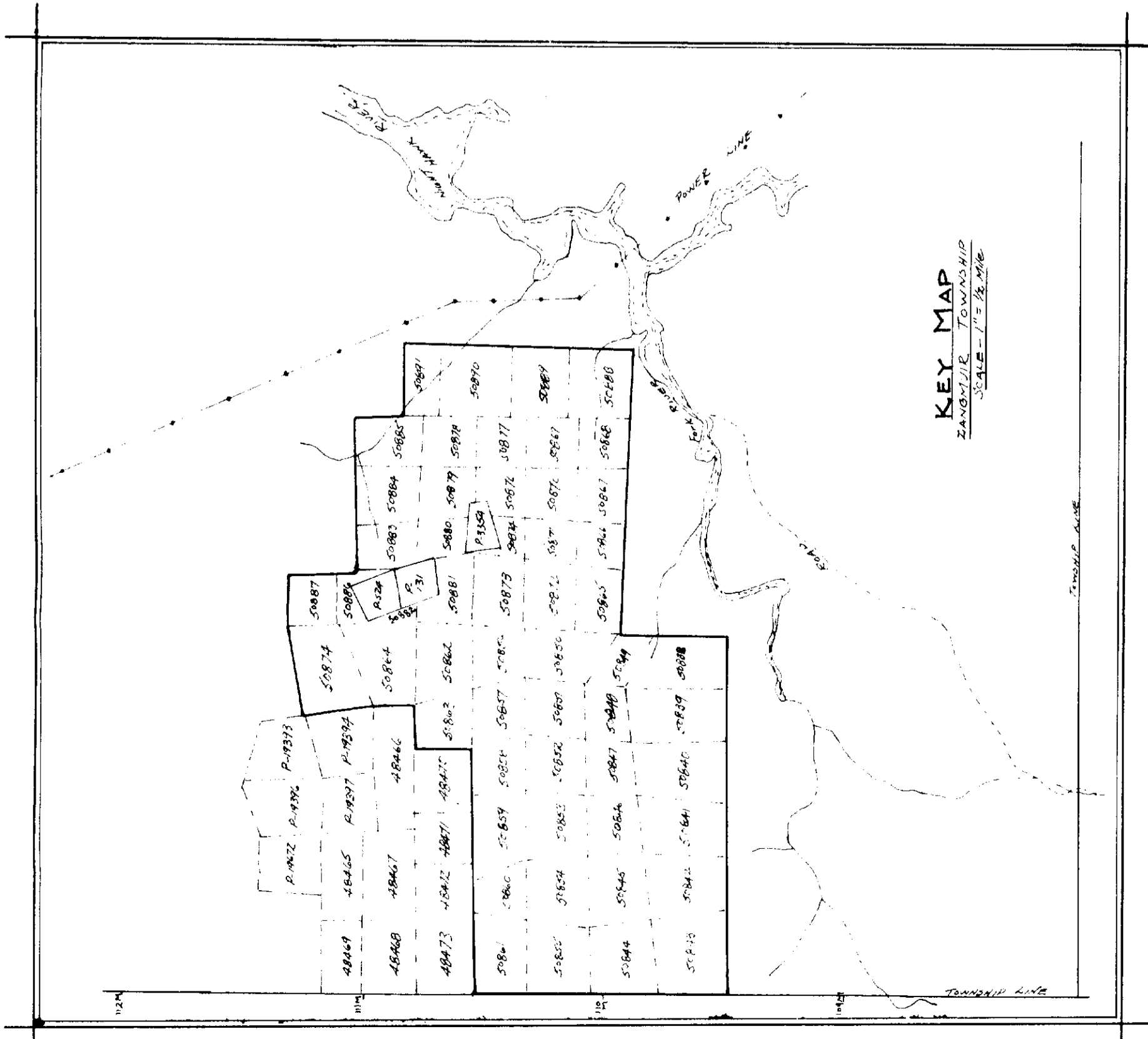
DIAMOND DRILL LOG

Footage		DESCRIPTION	Sample No	FOOTAGE			ASSAYS				Averages
From	To			From	To	Length					
0	116	Casing - Overburden		Lost Core							
116	392	Serpentinized basic lavas - Serpentinized andesite									
		Massive greenish grey - grey some sections soft, slightly talcy: occ. thin carbonate seams		119	120						
		Generally meagre pyrite except 202-206 2-3° Pyrite or slips		122	124						
		206-207 - sheared @ 30° C.A. and graphitic with 3-4% pyrite		126 $\frac{1}{2}$	128						
		207-227.5 -1-2% Pyrite - pyrr. on slips		130	132						
		227.5-270 slightly serpentinized andesite - occ. pyrite		134	135						
		243-243.5 Graphitic f. g. minor pyrite		139	140						
		270-392 Serpentinized basic lavas occ. thin serpentine stringers with carbonate str. Meagre pyrite		142	142 $\frac{1}{2}$						
392	403	Basic Lavas - sheared @ 10-20° C.A. with graphite on shear planes Meagre pyrite.		150	151						
403	417.5	Slightly serpentinized Basic Lavas - Meagre pyrite.		154	156						
417.5	447	Feldspar porphyry - Phenocrysts of white feldspar in basic ground mass & micaceous - Phaneritic Meagre pyrite		159	160						
447		End of Hole		222.6	223.6						
				225.6	227.6						
				230	231						
				235	236						
				239	241						
				246	248						
				248 $\frac{1}{2}$	249						
				249	251						
				251 $\frac{1}{2}$	252						
				261	263						
				325	326						
				370	371						
				373.6	374.6						
				377	379						
				382	383						
				385	387						
				391	392						



LEGEND

<p>LEGEND</p> <p>ACCRETIONARY BELT</p> <p>Chief deposits and Swamp</p> <p>KEWASAMBAH</p> <p>MAKASAMBAH</p> <p>Quartz Dolerite (Dolerite)</p> <p>ALBERTA</p> <p>Quartzite (Gneiss), Quartzite, Quartzite, Quartzite, Quartzite</p> <p>HALES BERRY</p> <p>Amphibolite (Amphibolite)</p> <p>KEEMUNING</p> <p>Iron formation (Iron formation), Iron formation, Iron formation</p> <p>Agglomerate (Agglomerate)</p> <p>American Basalt (American Basalt), American Basalt, American Basalt</p> <p>Quartzite (Gneiss), Quartzite (Gneiss)</p> <p>Crystalline (Crystalline)</p>	<p>SYMBOLS</p> <p>1 - Chief deposits</p> <p>2 - Swamp</p> <p>3 - Quartz Dolerite (Dolerite)</p> <p>4 - Alberta</p> <p>5 - Hales Berry</p> <p>6 - Keemuning</p> <p>7 - American Basalt</p> <p>8 - Quartzite (Gneiss)</p> <p>9 - Crystalline</p>
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EXPLANATION

1 - Chief deposits

2 - Swamp

3 - Quartz Dolerite (Dolerite)

4 - Alberta

5 - Hales Berry

6 - Keemuning

7 - American Basalt

8 - Quartzite (Gneiss)

9 - Crystalline

10 - Iron formation (Iron formation)

11 - Agglomerate (Agglomerate)

12 - American Basalt

13 - Quartzite (Gneiss)

14 - Crystalline

15 - Iron formation (Iron formation)

16 - Agglomerate (Agglomerate)

17 - American Basalt

18 - Quartzite (Gneiss)

19 - Crystalline

20 - Iron formation (Iron formation)

21 - Agglomerate (Agglomerate)

22 - American Basalt

23 - Quartzite (Gneiss)

24 - Crystalline

25 - Iron formation (Iron formation)

26 - Agglomerate (Agglomerate)

27 - American Basalt

28 - Quartzite (Gneiss)

29 - Crystalline

30 - Iron formation (Iron formation)

31 - Agglomerate (Agglomerate)

32 - American Basalt

33 - Quartzite (Gneiss)

34 - Crystalline

35 - Iron formation (Iron formation)

36 - Agglomerate (Agglomerate)

37 - American Basalt

38 - Quartzite (Gneiss)

39 - Crystalline

40 - Iron formation (Iron formation)

41 - Agglomerate (Agglomerate)

42 - American Basalt

43 - Quartzite (Gneiss)

44 - Crystalline

45 - Iron formation (Iron formation)

46 - Agglomerate (Agglomerate)

47 - American Basalt

48 - Quartzite (Gneiss)

49 - Crystalline

50 - Iron formation (Iron formation)

51 - Agglomerate (Agglomerate)

52 - American Basalt

53 - Quartzite (Gneiss)

54 - Crystalline

55 - Iron formation (Iron formation)

56 - Agglomerate (Agglomerate)

57 - American Basalt

58 - Quartzite (Gneiss)

59 - Crystalline

60 - Iron formation (Iron formation)

61 - Agglomerate (Agglomerate)

62 - American Basalt

63 - Quartzite (Gneiss)

64 - Crystalline

65 - Iron formation (Iron formation)

66 - Agglomerate (Agglomerate)

67 - American Basalt

68 - Quartzite (Gneiss)

69 - Crystalline

70 - Iron formation (Iron formation)

71 - Agglomerate (Agglomerate)

72 - American Basalt

73 - Quartzite (Gneiss)

74 - Crystalline

75 - Iron formation (Iron formation)

76 - Agglomerate (Agglomerate)

77 - American Basalt

78 - Quartzite (Gneiss)

79 - Crystalline

80 - Iron formation (Iron formation)

81 - Agglomerate (Agglomerate)

82 - American Basalt

83 - Quartzite (Gneiss)

84 - Crystalline

85 - Iron formation (Iron formation)

86 - Agglomerate (Agglomerate)

87 - American Basalt

88 - Quartzite (Gneiss)

89 - Crystalline

90 - Iron formation (Iron formation)

91 - Agglomerate (Agglomerate)

92 - American Basalt

93 - Quartzite (Gneiss)

94 - Crystalline

95 - Iron formation (Iron formation)

96 - Agglomerate (Agglomerate)

97 - American Basalt

98 - Quartzite (Gneiss)

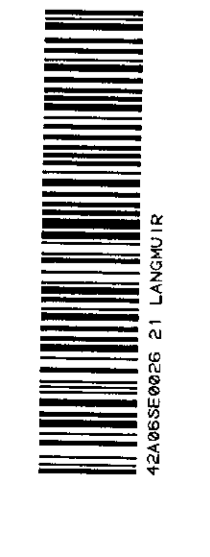
99 - Crystalline

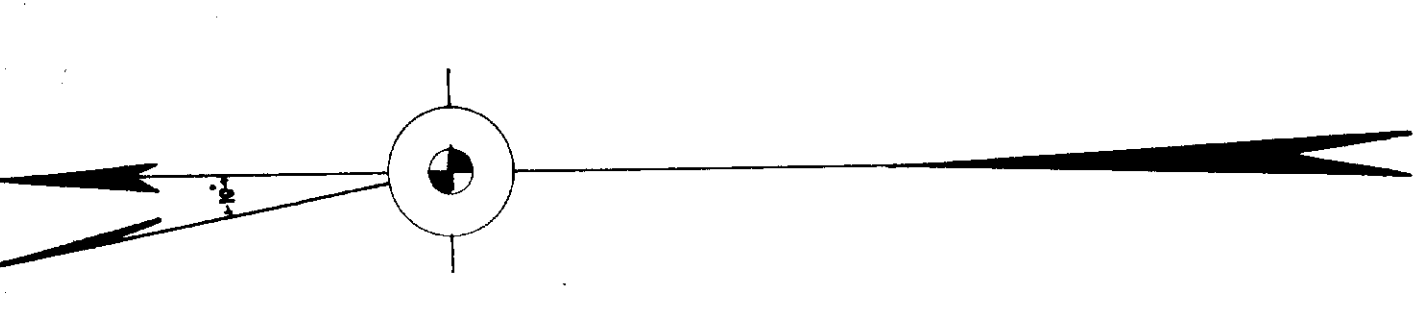
100 - Iron formation (Iron formation)

NOTES

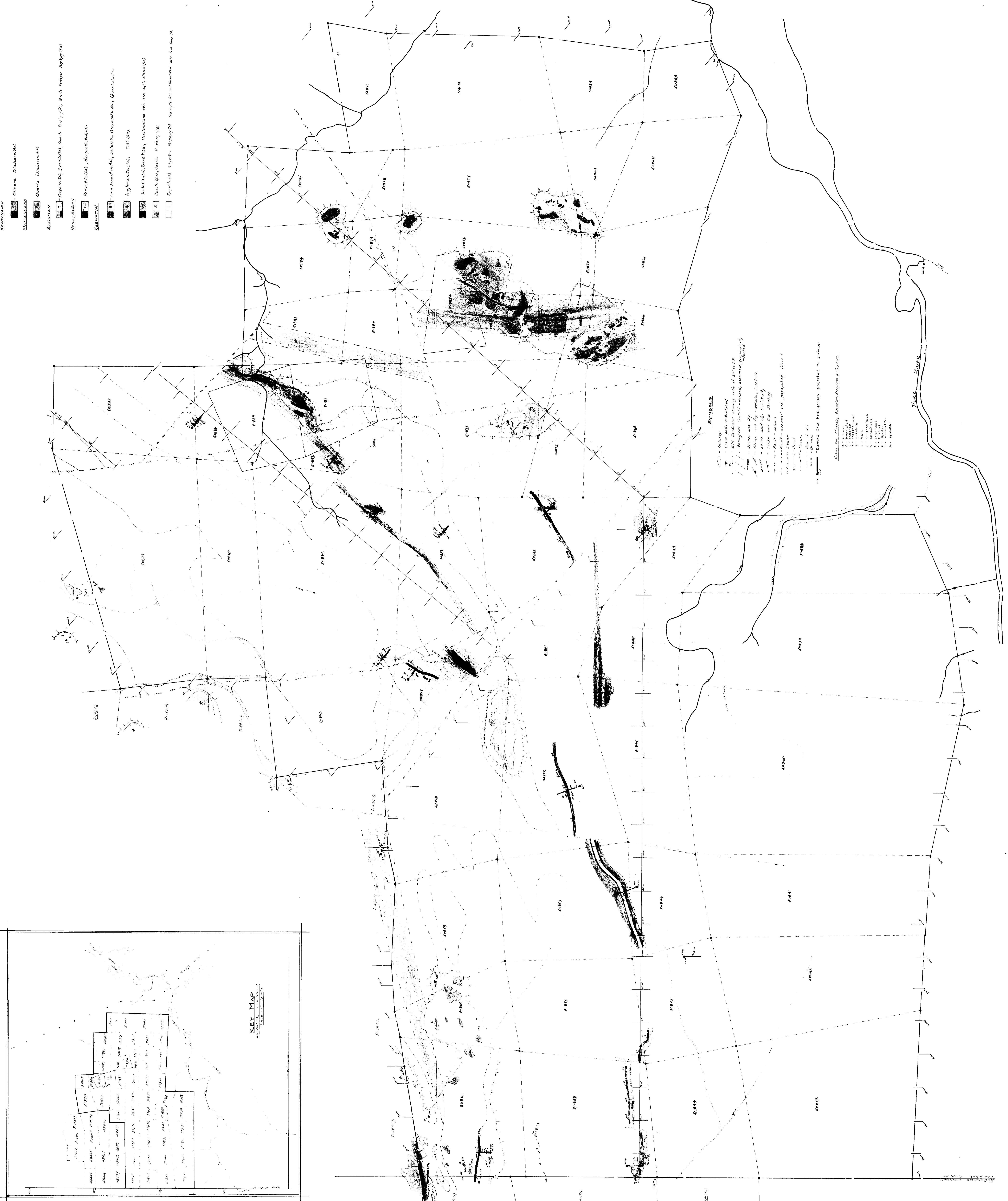
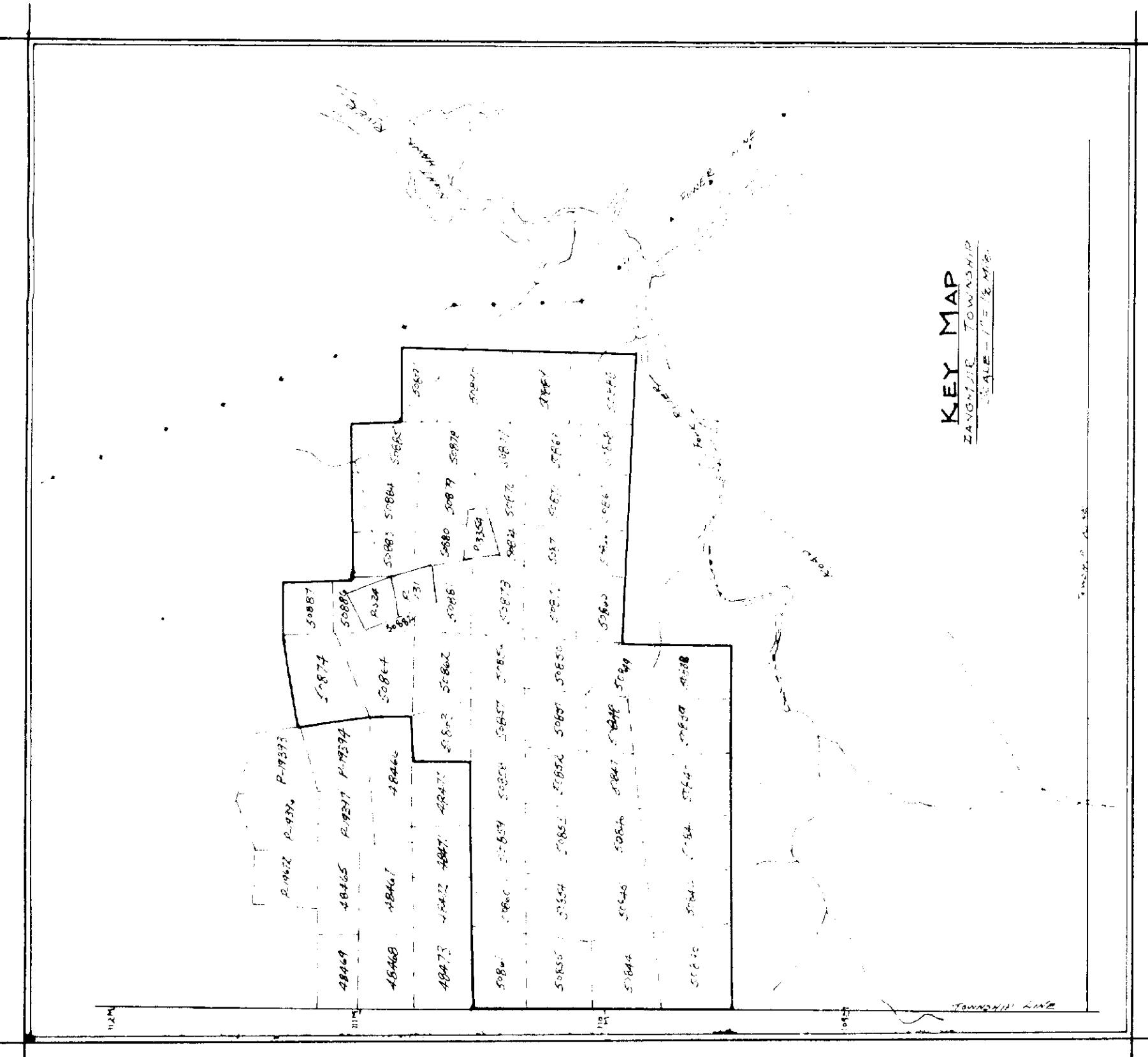
1. This map is based on aerial photographs, maps and other available information. It is not intended to show any mineral resources. It is intended to show only the general geology of the area.

2. The boundary lines on the map indicate only the general location of the geological units. The actual boundaries may vary slightly from those shown on the map.





- LEGEND**
- RELIEF - by 250 FT**
- 250 feet contour interval
 - 500 feet contour interval
 - 1000 feet contour interval
 - 2000 feet contour interval
 - 4000 feet contour interval
 - 6000 feet contour interval
 - 8000 feet contour interval
 - 10000 feet contour interval
 - 12000 feet contour interval
 - 14000 feet contour interval
 - 16000 feet contour interval
 - 18000 feet contour interval
 - 20000 feet contour interval
- MINERALIZATION**
- 1 - Quartz, Diabase, Gneiss
 - 2 - Quartz, Diabase, Gneiss, Amphibole
 - 3 - Quartz, Diabase, Gneiss, Amphibole, Magnetite
 - 4 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite
 - 5 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite
 - 6 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold
 - 7 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver
 - 8 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper
 - 9 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc
 - 10 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc, Lead
 - 11 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc, Lead, Manganese
 - 12 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc, Lead, Manganese, Nickel
 - 13 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc, Lead, Manganese, Nickel, Cobalt
 - 14 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc, Lead, Manganese, Nickel, Cobalt, Vanadium
 - 15 - Quartz, Diabase, Gneiss, Amphibole, Magnetite, Pyrite, Chalcopyrite, Gold, Silver, Copper, Zinc, Lead, Manganese, Nickel, Cobalt, Vanadium, Selenium
- OTHER**
- 1 - 25000 feet contour interval
 - 2 - 5000 feet contour interval
 - 3 - 10000 feet contour interval
 - 4 - 15000 feet contour interval
 - 5 - 20000 feet contour interval
 - 6 - 25000 feet contour interval
 - 7 - 30000 feet contour interval
 - 8 - 35000 feet contour interval
 - 9 - 40000 feet contour interval
 - 10 - 45000 feet contour interval
 - 11 - 50000 feet contour interval
 - 12 - 55000 feet contour interval
 - 13 - 60000 feet contour interval
 - 14 - 65000 feet contour interval
 - 15 - 70000 feet contour interval
 - 16 - 75000 feet contour interval
 - 17 - 80000 feet contour interval
 - 18 - 85000 feet contour interval
 - 19 - 90000 feet contour interval
 - 20 - 95000 feet contour interval
 - 21 - 100000 feet contour interval

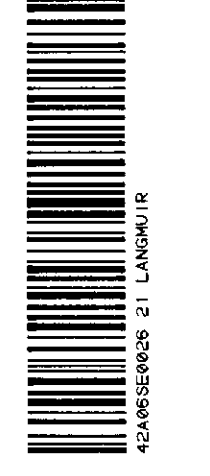


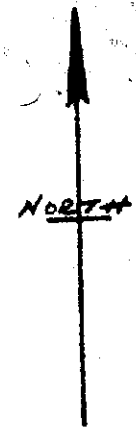
- SYMBOLS**
- 25000 feet contour interval
 - 50000 feet contour interval
 - 75000 feet contour interval
 - 100000 feet contour interval
 - 125000 feet contour interval
 - 150000 feet contour interval
 - 175000 feet contour interval
 - 200000 feet contour interval
 - 225000 feet contour interval
 - 250000 feet contour interval
 - 275000 feet contour interval
 - 300000 feet contour interval
 - 325000 feet contour interval
 - 350000 feet contour interval
 - 375000 feet contour interval
 - 400000 feet contour interval
 - 425000 feet contour interval
 - 450000 feet contour interval
 - 475000 feet contour interval
 - 500000 feet contour interval
 - 525000 feet contour interval
 - 550000 feet contour interval
 - 575000 feet contour interval
 - 600000 feet contour interval
 - 625000 feet contour interval
 - 650000 feet contour interval
 - 675000 feet contour interval
 - 700000 feet contour interval
 - 725000 feet contour interval
 - 750000 feet contour interval
 - 775000 feet contour interval
 - 800000 feet contour interval
 - 825000 feet contour interval
 - 850000 feet contour interval
 - 875000 feet contour interval
 - 900000 feet contour interval
 - 925000 feet contour interval
 - 950000 feet contour interval
 - 975000 feet contour interval
 - 1000000 feet contour interval

NOTES

1. The staff of this office is composed of...
 2. The map is based on...
 3. The map is based on...
 4. The map is based on...
 5. The map is based on...
 6. The map is based on...
 7. The map is based on...
 8. The map is based on...
 9. The map is based on...
 10. The map is based on...

M'WATERS GOLD MINES LIMITED
QUEBEC MANITOU MINES LIMITED
 SURFACE GEOLOGY
 SCALE - 1 inch = 4000 FEET
 DATE OF WORK - 1940-1941
 SHEET NO. 12





McWATTERS GOLD MINES LIMITED
LANGMUIR TWP. - ONTARIO
SCALE 1" = 400'

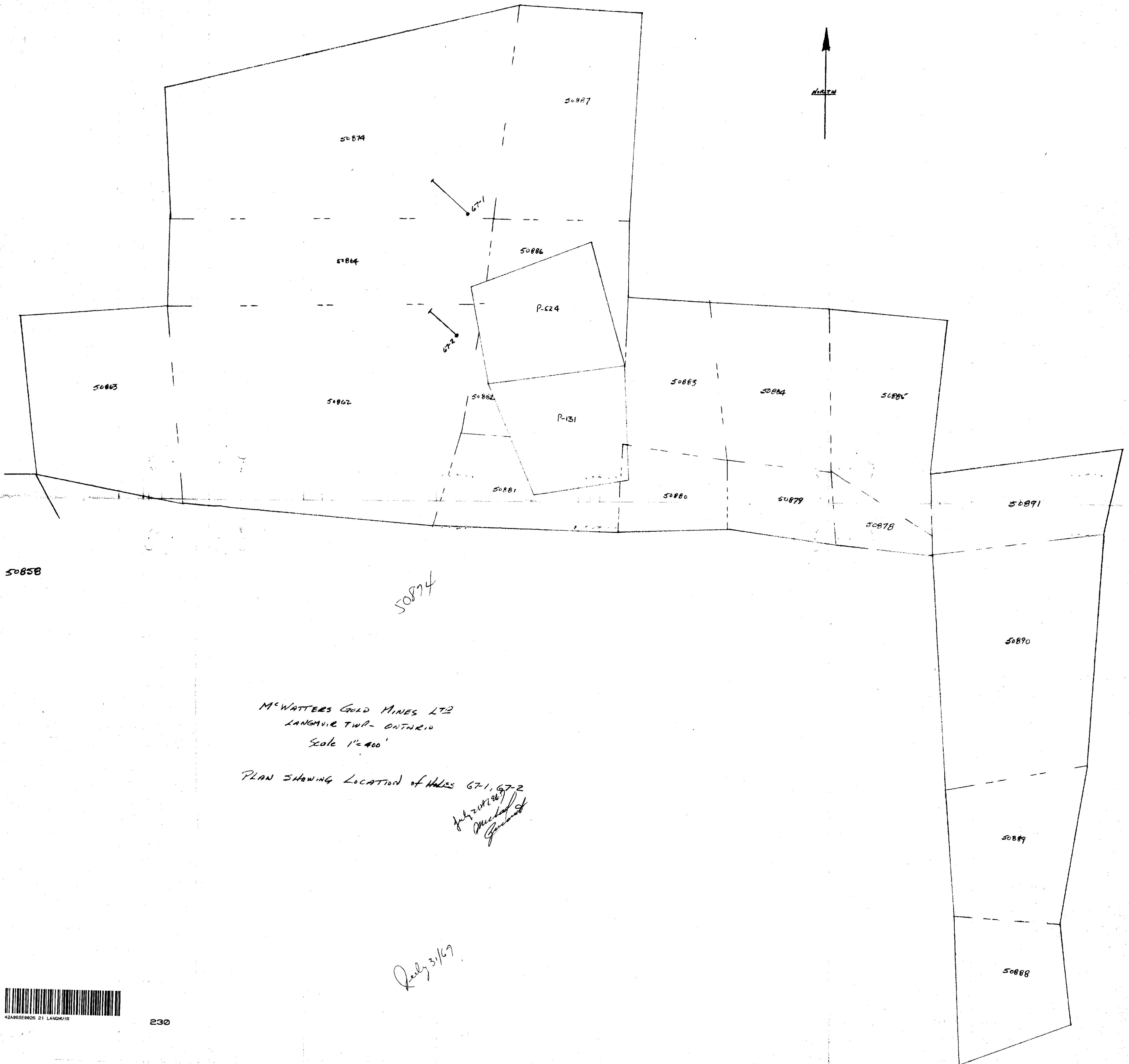
PLAN SHOWING LOCATION OF HOLE 67-3.

July 21st 1867
McWatters
Langmuir



ELDON TWP
LANGMUIR TWP





McWATTERS GOLD MINES LTD
 LANGAVIE TWP - ONTARIO
 Scale 1"=400'

PLAN SHOWING LOCATION OF HOLES G7-1, G7-2
 July 21/69
 Michael
 [Signature]

July 31/69

50858

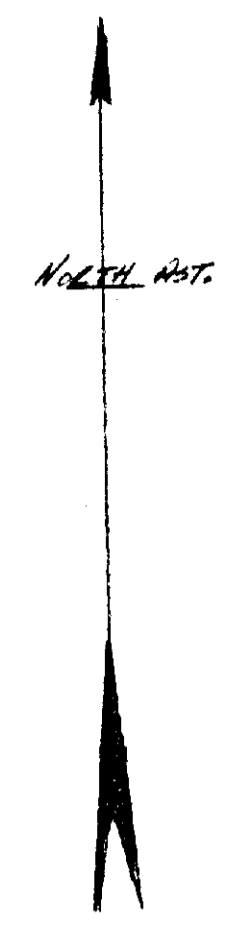
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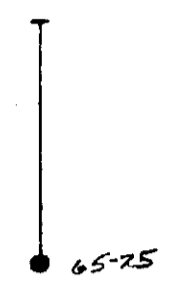


P-50858

P-50859

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P-50860



P-50852

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P-50845

P-50841

P-50840

P-50839

P-50838

P-50843

P-50842

100M

ELDERADO TWP.
LANGMUIR TWP.



240

McWATERS GOLD MINES LTD
LANGMUIR TWP. ONTARIO
PLAN SHOWING LOCATION OF HOLE 65-75
SCALE 1" = 400 FEET



McWATERS GOLD MINES LTD
 LANGMUIR TWP. PROVINCE OF ONTARIO
 PLAN SHOWING LOCATION OF HOLE 65-23
 SCALE 1" = 400 FEET



42A85E8628 21 LANGMUIR