GLENLYON MINES LTD.

Detour Lakes Area

105-L-10, 62° 41'N, 134° 39'W.

PROGRESS REPORT on D.D. PROGRAM

conducted by

McIntyre Porcupine Mines Ltd.

July to September, 1968.

by

P.H. Sevensma, Ph.D., P. Eng.

February 11, 1969.

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ILLUSTRATIONS

GLENLYON MINES LTD.

Detour Lakes Area

105-L-10, 62° 41'N, 134° 39'W.

1. INTRODUCTION

Studies conducted by Glenlyon Mines Ltd. prior to October 26, 1967 had indicated a number of attractive exploration targets at widely separated points on their extensive claim group in the Detour Lake area.

In the spring of 1968 an agreement was reached with McIntyre Porcupine Mines Ltd. whereby this latter Company would undertake a further program of work in order to acquire an interest in the property.

The approach taken by McIntyre Porcupine Mines was in essence one based on the selection of drilling targets from airborne geophysical data, confirmed by limited ground surveys. One hole was then drilled in each confirmed target.

This report summarizes the results of the diamond drilling and of the ground geophysical and geochemical surveys which preceeded the drilling.

2. HISTORY

Detour Lake is located within a large bow in the Pelly River. A trail some eight miles in length was used by trappers both to give access to the lakes and to avoid a section of rapids in the river.

Long time residents of the Yukon were aware that some prospecting had been done a number of years ago. It was reported that copper-bearing sulphides had been located near one of the trails across the property and

that specimens of this material were later taken from a trapper's cabin on Harvey Creek.

Activity which followed the announcement that Dynasty Explorations had located a major base metal camp in the Anvil Range "schist belt" lead to the acquisition of ground in the Detour Lake area. Subsequent activity by Conwest Explorations, Glenlyon Mines and others has been reviewed in previous reports by the writer.

3. GEOLOGY

For a description of the local and regional geology the reader may refer to a previous report on the property dated October 26, 1967.

A recently published resume of a *study by the Geological Survey of Canada provides some further information from which the following excerpts have been drawn:-

"QUOTE"

Medium grey, lustrous quartz rich phyllite characterizes the second or middle member of the phyllite unit. Dark grey graphitic phyllite occurs commonly, particularily in the lower part of this member; small chloritic greenstone lenses, up to 10 ft. thick, are found in its upper part. About 1,000 ft. of strata are included in the middle member.---

The three known lead-zinc deposits in the Anvil - Vangorda district are confined to the middle member of the phyllite unit as are three additional mineralized zones presently of uneconomic interest.----

"UNQUOTE"

* Guides to Base Metal Deposits in the Anvil - Vangorda District by D.J. Templeman Kluit, Geological Survey of Canada.

Lithologic characteristics together with the presence of younger fossiliferous strata nearby suggest a Cambrian age for the phyllite sequence.

It is believed that the sequence being explored on the Detour Lake properties is in all probability the same member which forms the host rock for the Anvil - Vangorda deposits.

4. DESCRIPTION of DRILL TARGETS

A. J.H. Group

Surface mapping on this group had indicated the widespread presence of quartz-chalcopyrite mineralization in veins, lenses and stockworks in a quartz-sericite schist in or near exposures of ferro-dolomite. Surface samples returned values of from 0.15% Cu. to 1.17% Cu. across the showings which were not however very persistent.

Hole JH # 1 was drilled near the South edge of a number of such exposures. The hole was drilled on a bearing of South 17°W at a -45° dip. The average angle at which the hole cut the foliation varies between 10 and 30 degrees. Poor core recovery is noted for several sections of the hole. Minor sulphides were noted in much of the core as fracture filling, disseminations, and porphyroblasts. The best section, from 315' to 319', returned a copper assay of 1.41% Cu. True width would however be considerably less as a core angle of 20° was noted.

In view of steep South dips having been noted prior to commencement of drilling it is unfortunate that this hole has not been drilled to the North.

Surface mineralization and that intersected by hole JH # 1, may be explained as small hydrohermal veins resulting from the remobilization of the more volatile constituents of a sulphide rich unit.

The JH group of claims was not flown due to the rugged nature of the terrain.

Geological mapping should be given priority over any other type of work in further assessing the merit and potential of this claim group.

B. Pine Group

Hole P-1 was drilled to test a geochemical anomaly showing near-co-incidence with a conductor located by ground methods. Figure 1 to 3c. shows data pertinent to this anomaly. From these data it may be inferred that the hole was positioned somewhat East of the most likely target and may pass beneath the causative formation. The lead anomaly centered at 4+00N on line 4+00W would still appear to be an attractive target.

Core recovery was extremely poor in the first part of the hole and again near the end. Sludge samples from 56' to 159' showed significant amounts of zinc present and disseminated iron sulphides were noted in most sections where core was recovered.

C. Hub Group

[a] Main Grid*

Interpretation of the possible significance of this hole is hampered by a lack of mapping data from adjacent rock

* See figures 4 to 7 inclusive.

exposures. The weak geochemical anomalies can be explained as reflecting the trace amounts of zinc and copper present in the underlying rocks. Disseminated sulphides were noted in concentrations of up to 25%. One intersection of "buff" sericitic schist was encountered - this may be similar to the "bleached halo" surrounding the Vangorda deposits - and noted adjacent to bornite - chalcopyrite lenses enclosed in the schist outcrops to the North of this hole.

Hole H-1 was drilled to a depth of 684 ft. at an angle of -45° to the North which gave a core angle of between 50° and 80° to the foliation planes.

[b] Hub Group - West Grid

Figures 8 to 11 inclusive, provide data relative to this area which was not drilled. Geochemical results were essentially negative.

The strong airborne electromagnetic anomaly centered on the West edge of this grid is thus far unexplained.

Further ground geophysical work, in conjunction with detailed geological mapping of the general area, should preceed further efforts to test this area by drilling.

D. Mab Group

Two holes were drilled on the Mab group of claims. Drilling was based on an airborne survey conducted by Barringer Research. Target areas were delineated by Dr. Wahl, geophysical consultant for McIntyre Porcupine Mines. Ground geophysical surveys confirmed the presence of the

conductors although geochemical results were negative.

Hole M-1 was drilled to test the more Northerly of the two zones. Results were negative in that no adequate explanation for the conductivity was apparent. Both total sulphides and the minor amounts of copper and zinc normally present were lower than normal.

Hole M-2 cut 114 ft. of hematite "iron formation" between 262 and 376 ft. The presence of a banded iron formational unit in this sedimentary sequences augurs well for the potential of a strata bound syngenetic sulphide deposit. Minor amounts of magnetite and a sulphide, possibly pyrrhotite, present in this hole lend added significance to magnetic highs revealed by the Airborne Surveys which would now appear to warrant detailed evaluation after reduction of available data.

E. Anne Group

See the separate report on this group which is enclosed under separate cover. [The Anne report has been filed for the purpose of recording assessment work.]

5. DIAMOND DRILLING

Drill logs and graphical plots of all holes are enclosed.

6. SUMMARY

The stratigraphic sequence underlying the Northern half of the claims of Glenlyon Mines Ltd. in the Detour Lake area is believed to be the equivalent of the hostrocks enclosing the massive sulphide deposits in the Anvil - Vangorda area fifty miles to the South-East.

The presence of a hematite iron formation of about 105' true width underlain by nearby 150' of quartz-chlorite-magnetite formation in Mab No. 2 drill-hole is very significant in this respect, as iron-formations and sulphide deposits often occur in close association, as for instance in the New Brunswick base-metal camp.

Sub-economic copper-mineralization associated with quartz on the JH claims lends support to the possibility of encountering larger base-metal concentrations in this belt.

A narrow section of massive base-metal sulphide, said to have been obtained by Conwest some 3 miles WNW of the Mab on the edge of the G.S.C. aeromagnetic belt is also significant in the above context.

Continuing geological investigation of this belt is recommended with emphasis on tracing the hematite-magnetite sequence intersected on the Mab group. Some of the significant magnetic anomalies known on the property now warrant considerably more attention.

Further analysis of the Lockwood airborne data and the preparation of a topo-map scale 1" = 1,000' from air photographs should serve as a base for additional fieldwork.

7. RECOMMENDATIONS

A program of geological mapping to correlate all existing data is a prerequisite to further work. A major objective in this work would be the tracing of the "iron formation" horizon and selecting areas where drilling may be warranted.

A cost estimate for such a study is as follows:-

Preparation of Topographic base map.	$2,000.00
Lockwood Survey compilation.	1,500.00
Photogeological studies, report preparation, etc.	1,000.00
Helicopter and aircraft charter.	2,500.00
Camp and provisioning.	1,500.00
Field studies, Geologist & two assistants, 4 to 6 weeks.	2,500.00
Equipment rental & supplies, magnetometer, etc.	1,000.00
Consulting fees and expenses.	1,000.00
Contingencies.	2,000.00
Recommended Budget	$15,000.00

Respectfully submitted,

P.H. Sevensma, Ph.D., P.Eng.

CERTIFICATE

I, PIETER H. SEVENSMA, of 908, 1280 Haro Street, in the City of Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with a business address at 715-850 West Hastings Street, in the City of Vancouver, in the Province of British Columbia.

2. THAT I am a graduate of the University of Geneva, Switzerland [Physics and Chemistry, 1937; Geology and Mineralogy, 1937] where I obtained my Ph.D. in Geological and Mineralogical Sciences in 1941.

3. THAT I am a Registered Professional Engineer in the Geological Section of the Association of Professional Engineers of the Province of British Columbia and of the Association of Professional Engineers of Yukon Territory.

4. THAT I have practiced my profession as a geologist for the past 30 years.

5. THAT the information contained in my report on the Glenlyon Mines claims in the Detour Lake is based on personal examinations of the property in 1966 and 1967, my last examination being on August 11, 1968, when McIntyre Porcupine Mines were drilling.

6. THAT I have no direct or indirect interest in any of the properties or securities of Glenlyon Mines Ltd. and that I do not expect to receive or acquire any.

Dated this 11th day of February, 1969.

P.H. Sevensma, Ph.D., P.Eng.

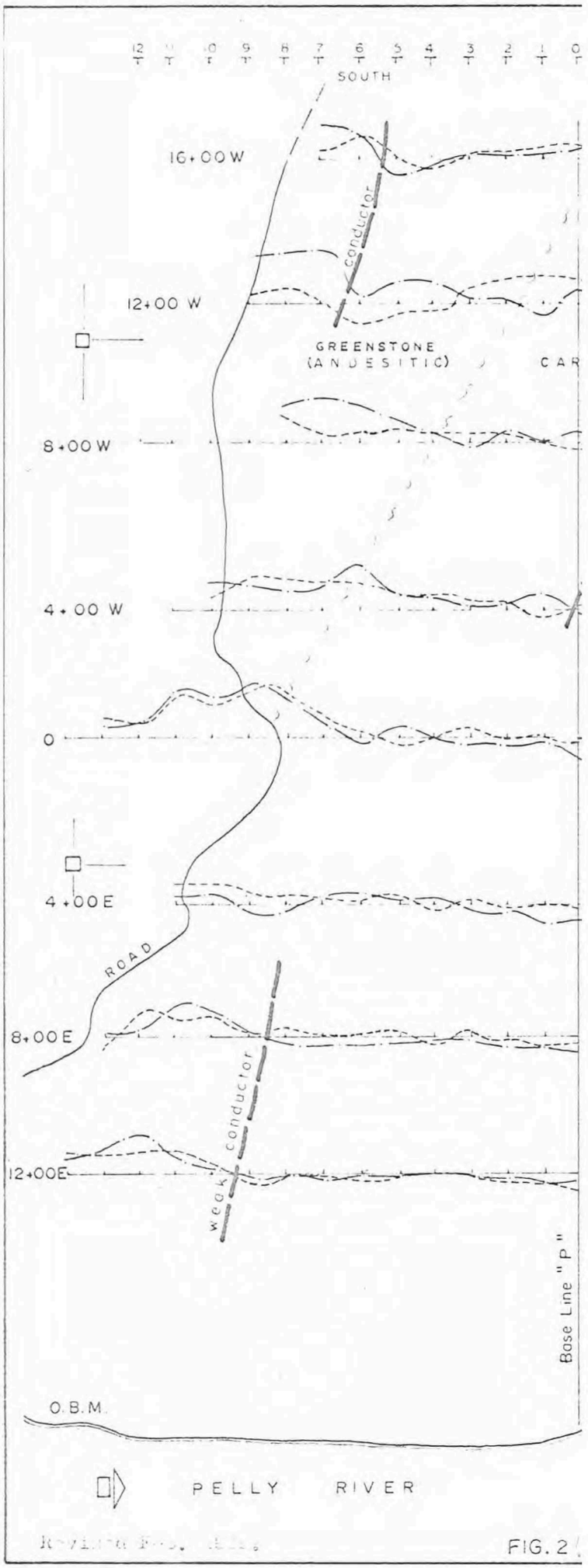
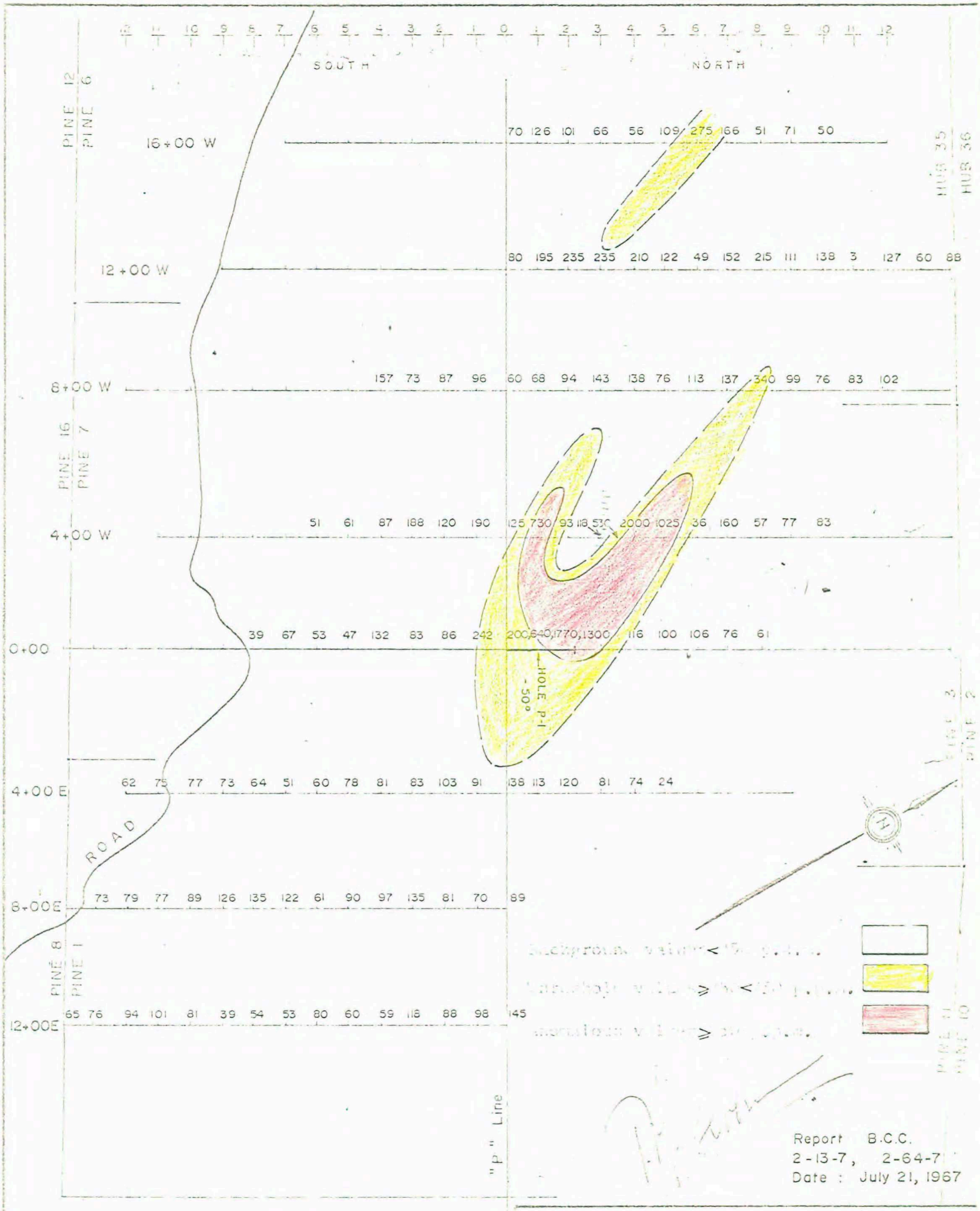

12 11 10 9 8 7 6 5 4 3 2 1 0
SOUTH
16+00W
conductor
12+00 W
GREENSTONE
(ANDESITIC)
CAR
8+00W
4+00 W
0
4+00E
ROAD
8+00E
weak conductor
12+00E
Base Line "P"
O.B.M.
PELLY RIVER

FIG. 2

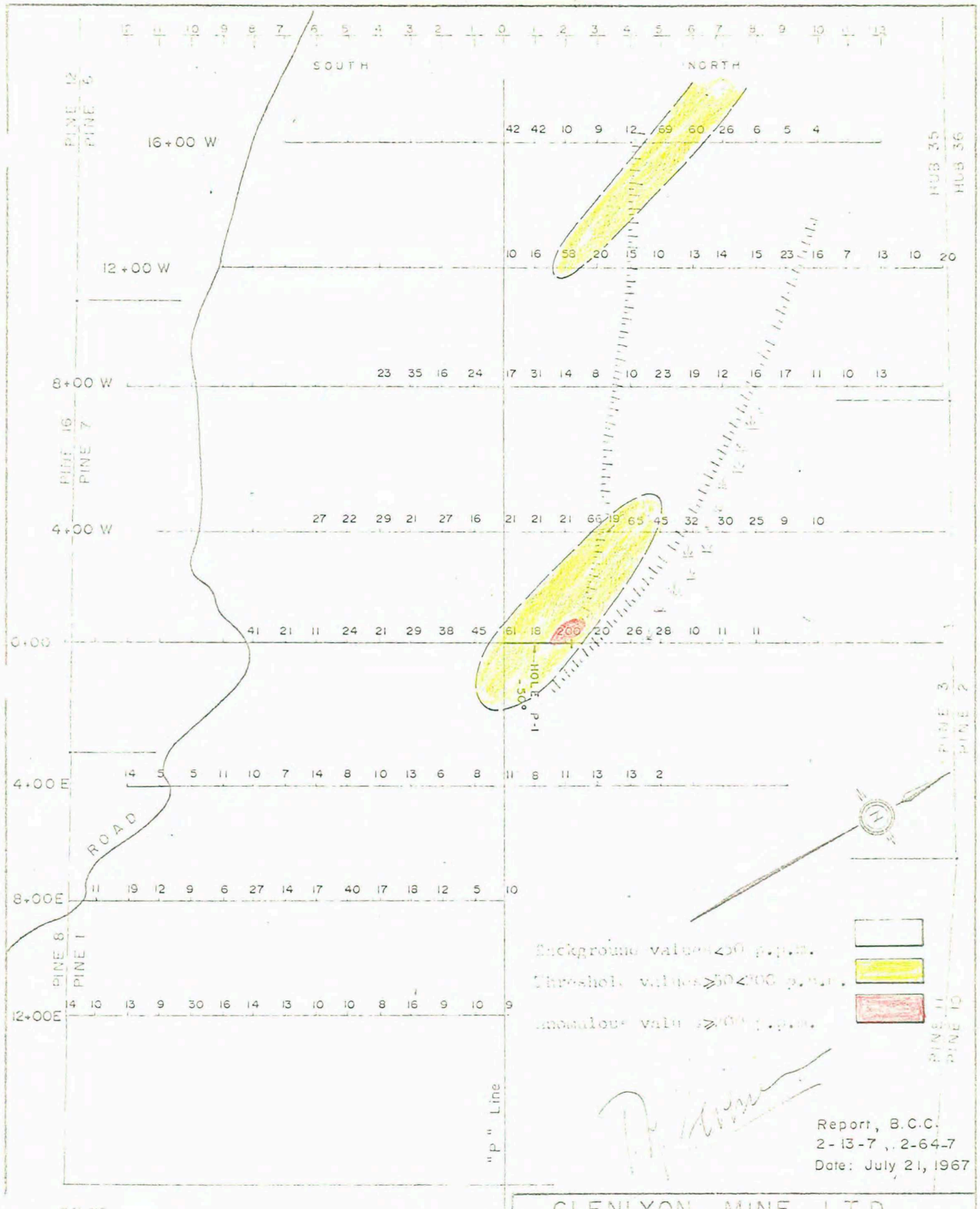


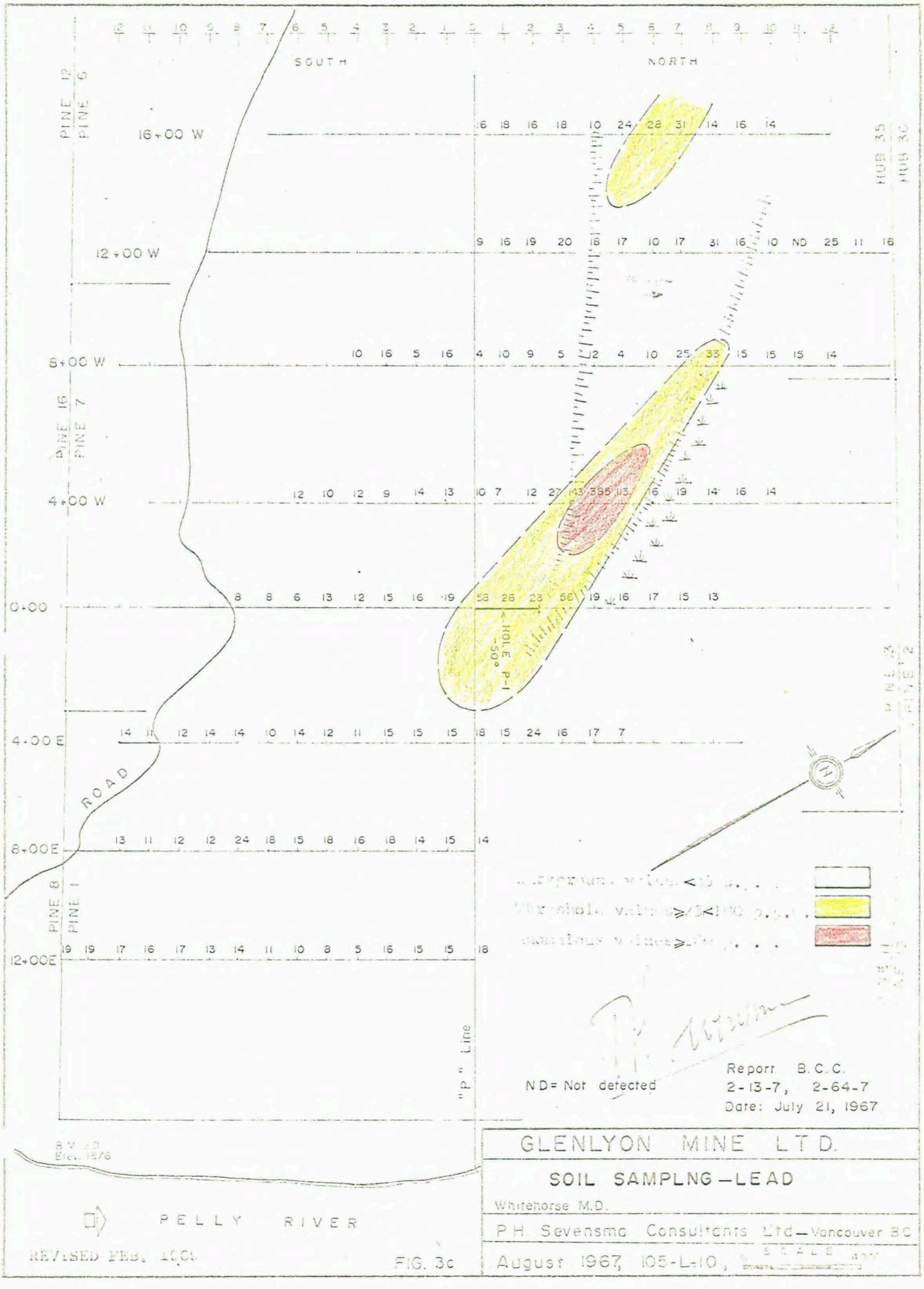
GLENLYON MINE LTD.

SOIL SAMPLING—ZINC

Whitehorse M.D.

P.H. Sevensma Consultants Ltd—Vancouver B.C.


SOUTH
NORTH
16+00 W
12+00 W
8+00 W
4+00 W
0+00
4+00 E
8+00 E
12+00 E
LINE 16
LINE 8
LINE 1
LINE 2
LINE 3
LINE 7
LINE 10
LINE 11
HUB 35
HUB 36
ROAD
DRILL HOLE P-1 -50°
"P" Line
Background values <30 p.p.m.
Threshold values ≥30 <200 p.p.m.
Anomalous values ≥200 p.p.m.
Report, B.C.C.
2-13-7, 2-64-7
Date: July 21, 1967
PELLY RIVER
REVISED FEB. 1969
FIG. 3b
GLENLYON MINE LTD.
SOIL SAMPLING — COPPER
Whitehorse, M.D.
P.H. Sevensma Consultants Ltd — Vancouver B.C.
August 1967, 105-L-10,
SCALE 400'


SOUTH
NORTH
PINE 12
PINE 6
PINE 16
PINE 7
PINE 8
PINE 1
PINE 13
PINE 2
HUB 35
HUB 30
16+00 W
12+00 W
8+00 W
4+00 W
0+00
4+00 E
8+00 E
12+00 E
HOLE P-1
-50°
ROAD
ND= Not detected
=P. Line
PELLY RIVER
Report B.C.C.
2-13-7, 2-64-7
Date: July 21, 1967
GLENLYON MINE LTD.
SOIL SAMPLNG—LEAD
Whitehorse M.D.
P.H. Sevensma Consultants Ltd—Vancouver BC
August 1967, 105-L-10,
REVISED FEB. 1968
FIG. 3c

12+00 W | 8+00 W | 4+00 W | 0+00 | 4+00 E | 12+00 E | 16+00 E | 20+00 E | 24+00 E

Hole H-1

"P" Line

Road to Pine Group

N

32° 45'

Mag. North

In - Phase readings

Quadrature readings

Quadrature | In - Phase

+20 % 0 - 20%

Conductors

RONKA EM 16 SURVEY
Station N.P.G.
Reading Direction N 45° E

From field work in 1967 & 1968

FIG. 4

Mc INTYRE PORCUPINE — GLENLYON

HUB GROUP — EAST

Whitehorse M.D. Y.T. 105-L-10

P. H. Sevensma Consultants Ltd. Vancouver B. C.

July 1968. Scale: 0 400'

12+00 W | 8+00 W | 4+00 W | 0+00 | 4+00 E | 8+00 E | 12+00 E | 16+00 E | 20+00 E | 24+00 E

HUB 32
HUB 33
HUB 28
HUB 27
HUB 30
HUB 31
HUB
HUB
HUB
HUB

Hole H-1

N
32° 45'
Mag. North

"P" Line

Road to Pine Group

≥ 15 ppm. Values of possible significance
< 15 ppm. Background values
□ Claim posts.

FIG. 5

GLENLYON MINES LTD. — HUB GRP.

Geochemical Soil Survey — Pb Plot

Whitehorse M.D. Y.T. 105-L.-10

P. H. Sevensma Consultants Ltd. Vancouver B. C.

Feb. 1969, Scale: 0 400'

12+00 W | 8+00 W | 4+00 W | 0+00 | 4+00 E | 8+00 E | 12+00 E | 16+00 E | 20+00 E | 24+00 E

Bornite
Chalcopyrite
Hole H-1
Trench
HUB
HUB 32
HUB 33
HUB 30
HUB 31
"P" Line
Road to Pine Group
N
32° 45' Mag. North

LEGEND

Background values < 50 p.p.m.
Threshold values ≥ 50 < 200 p.p.m.
Anomalous values ≥ 200 p.p.m.
Claim posts
Conductor

FIG. 6

GLENLYON MINES LTD- HUB GRP.

Geochemical Soil Survey — Cu Plot
Whitehorse M.D. Y.T. 105-L-10
P. H. Sevensma Consultants Ltd. Vancouver B. C.
Feb. 1969, Scale: 0 400'

12+00 W | 8+00 W | 4+00 W | 0+00 | 4+00 E | 8+00 E | 12+00 E | 16+00 E | 20+00 E | 24+00 E

46 70 70 74 70 140 92 183 118 137 110 92 95 77 70 55 182 102 186

88 57 65 85 100 165 85 1222 80 137 104 95 112 80 168 132 50 118 70

100 128 55 70 95 178 230 110 105 142 88 60 118 125 70 100 60 85 75

65 110 92 55 49 66 75 117 71 82 145 61 57 55 52 55 15 63 46 63

35 22 46 70 60 23 70 34 52 60 135 625 171 102 76 7 60 55 43 73

95 88 95 30 45 60 15 77 63 86 53 50 42 35 63 109 149 87 44 108 63 87 53 45

60 125 57 65 57 70 136 65 59 97 48 85 55 98 73 124

109 54 54 56 60 75 57 108 265 245 182 113 60

125 158 80 70 85 175

182 118 70 110 100 150

Hole H-1

HUB 30 HUB 31 HUB 32 HUB 33 HUB 28 HUB 27

"P" Line

Road to Pine Group

N

32° 45' Mag. North

LEGEND

- Background values < 100 p.p.m.
- High Background ≥ 100 < 250 p.p.m.
- Threshold values ≥ 250 p.p.m.

} Average background value 75 p.p.m.

- Claim posts

* Data obtained elsewhere in this belt suggests that anomalous values are those which exceed average background by a factor of 10, i.e. Avg. (Bg.) x 10 or 750 p.p.m.

FIG. 7

GLENLYON MINES LTD. — HUB GRP.

Geochemical Soil Survey — Zn Plot

Whitehorse M.D. Y.T. 105-L-10

P. H. Sevensma Consultants Ltd. Vancouver B. C.

Feb. 1969, Scale: 0 400'

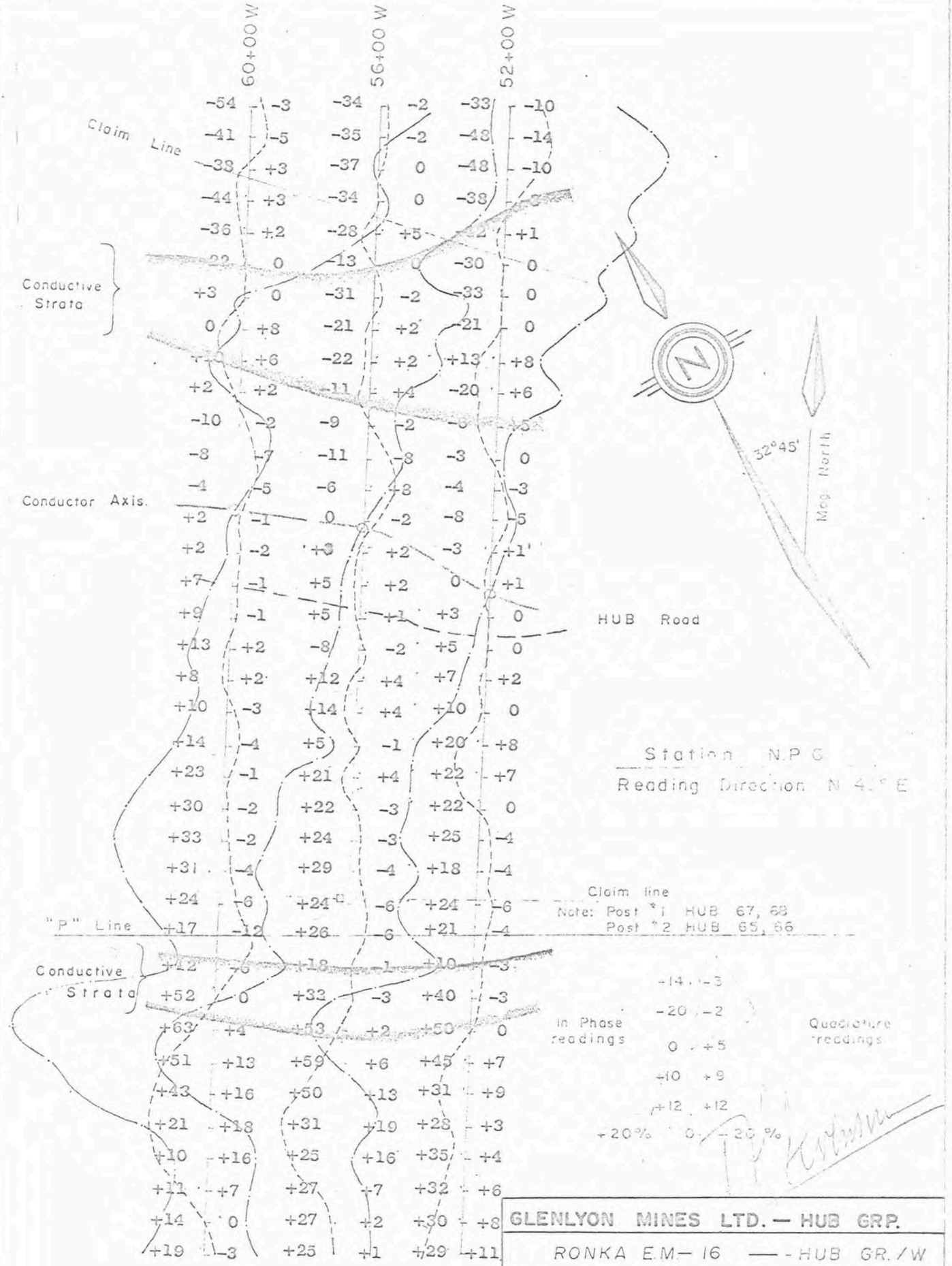


FIG. 8

GLENLYON MINES LTD. — HUB GRP.	
RONKA E.M— 16 —— - HUB GR./W	
Whitehorse M.D.—Y.T.	105 – L–10
P. H. Sevensma Consultants Ltd.—Vancouver B.C.	
Feb. 1969, Scale	400'

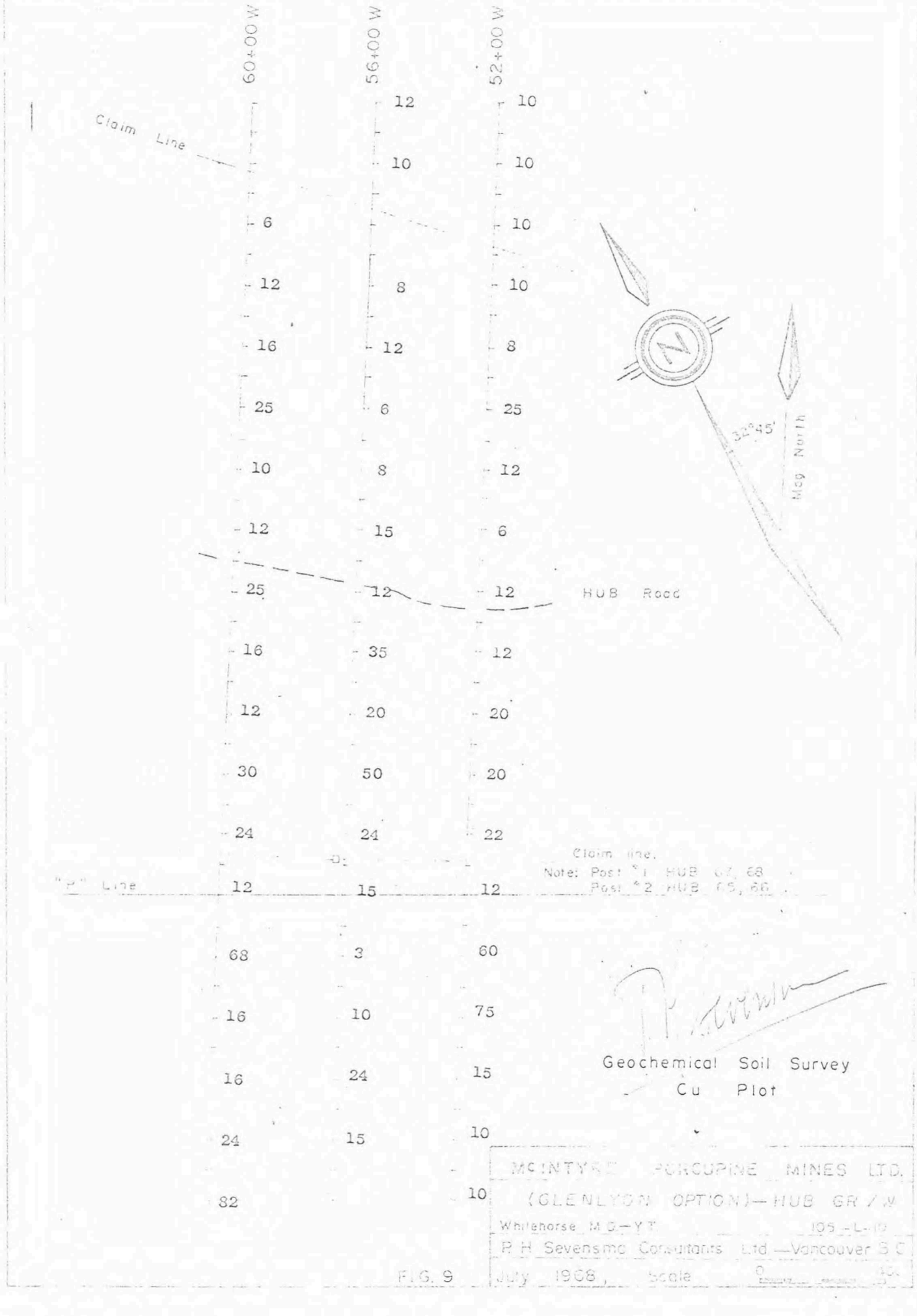
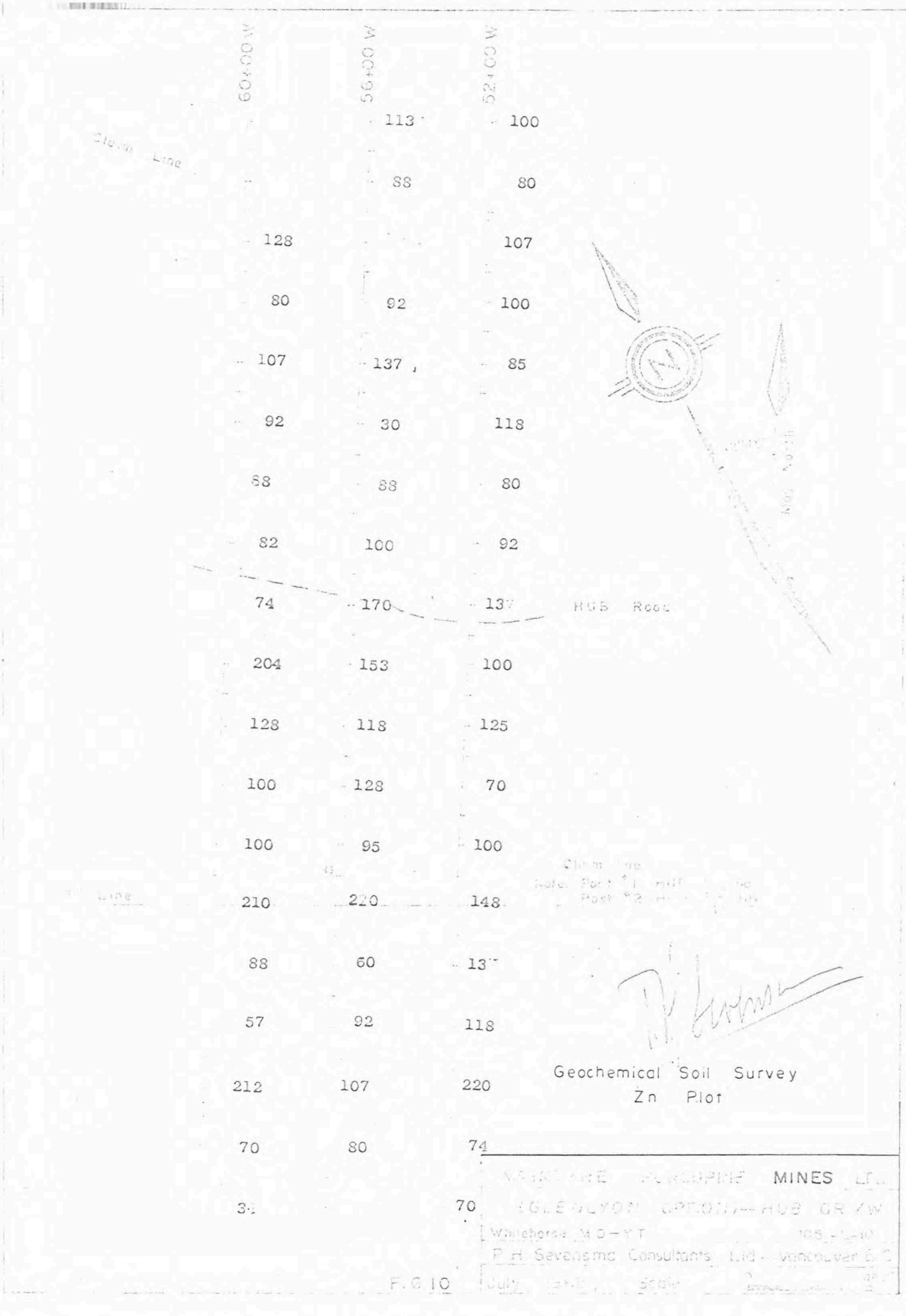
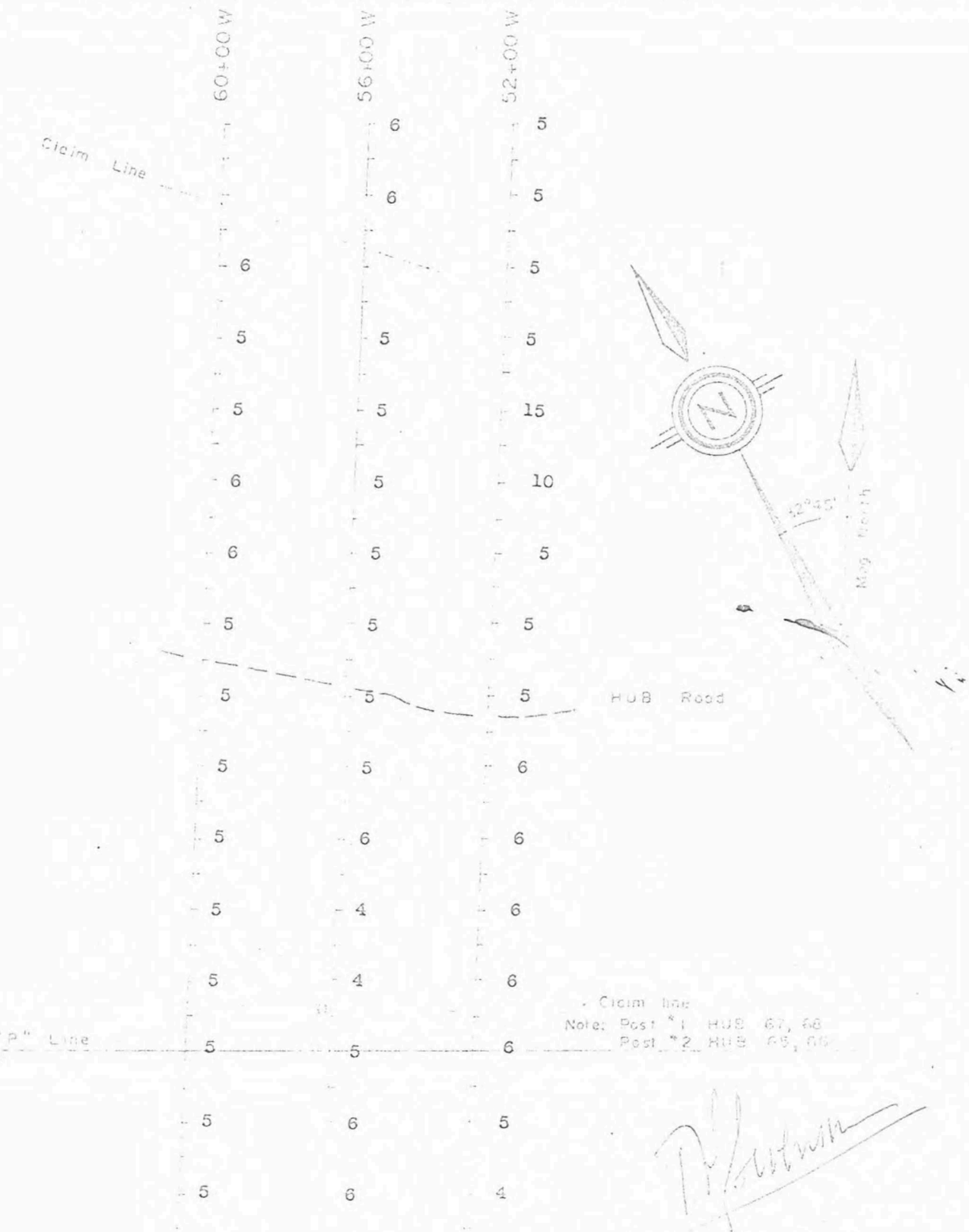

60+00 W
56+00 W
52+00 W
Claim Line
12
10
6
12
16
25
10
12
25
16
12
30
24
12
68
16
16
24
82
10
8
12
6
8
15
12
35
20
50
24
15
3
10
24
15
10
10
10
10
8
25
12
6
12
20
20
22
12
60
75
15
10
10
32°45'
Mag North
HUB Road
Claim line.
Note: Post #1 HUB 67, 68
Post #2 HUB 65, 66
"B" Line
Geochemical Soil Survey
Cu Plot
McINTYRE PORCUPINE MINES LTD.
(GLENLYON OPTION)—HUB GR / M
Whitehorse M.D.—Y.T. 105-L-10
P. H. Sevensma Consultants Ltd.—Vancouver B.C.
July 1968, Scale

FIG. 9


60+00 W
56+00 W
52+00 W
113
100
88
80
128
107
80
92
100
107
137
85
92
30
118
68
88
80
82
100
92
74
170
137
HUB Road
204
153
100
128
118
125
100
128
70
100
95
100
210
220
148
88
60
57
92
118
212
107
220
70
80
74
70
Geochemical Soil Survey
Zn Plot
MINES
Whitehorse M.D.—Y.T.
P. H. Sevensma Consultants Ltd. Vancouver B.C.
F.G. 10



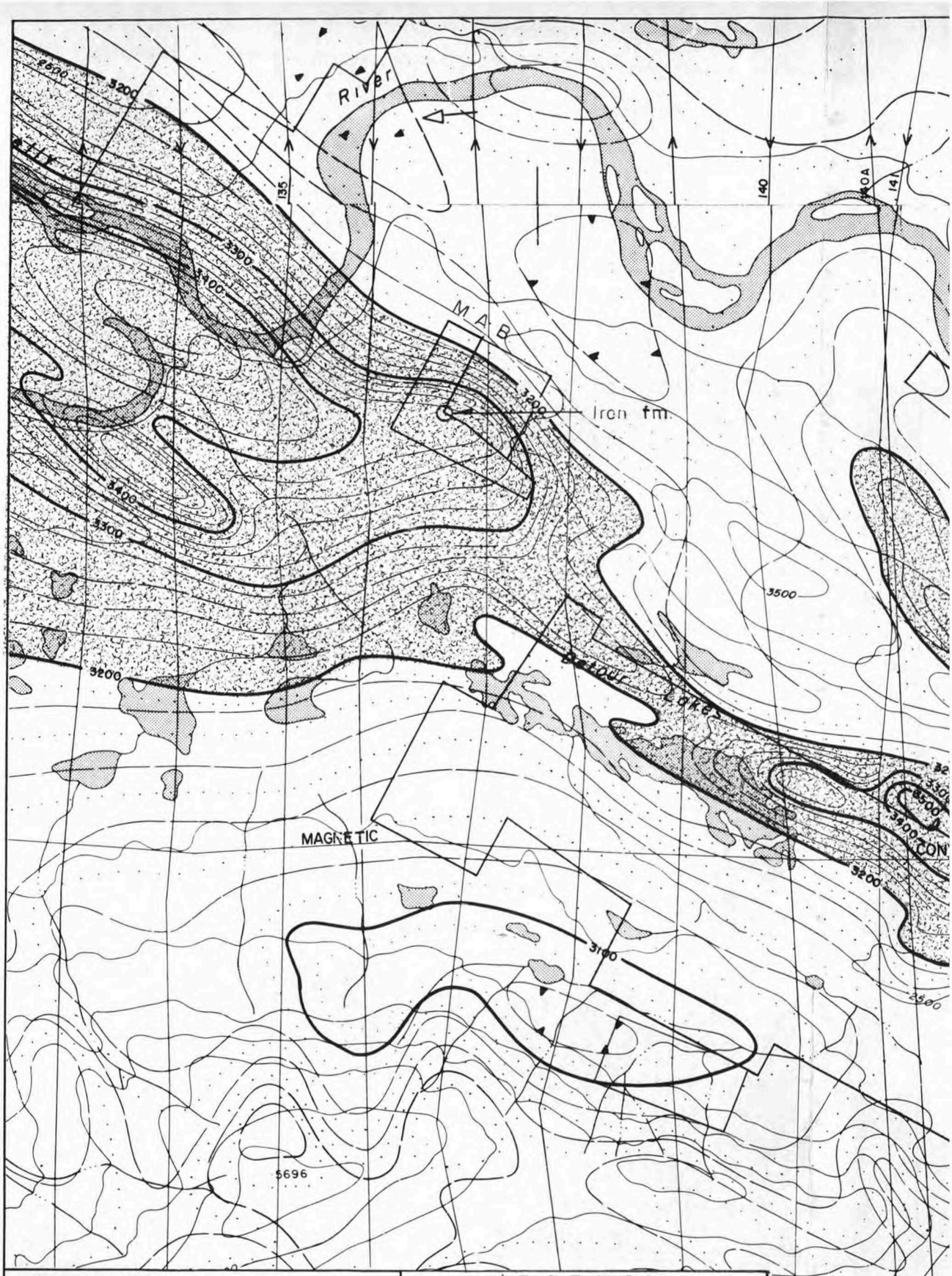
McINTYRE PORCUPINE MINES LTD.

(GLENLYON OPTION) — HUB GR. /W

Whitehorse M.D — Y.T. 105 — 10

P. H. Sevensma Consultants Ltd. — Vancouver B.C.

FIG. 11 July 1968, Scale



GLENLYON MINES LTD.

AEROMAGNETIC MAP

Whitehorse M.D. 105 L-10

P.H. Sevensma Consultants Ltd.

Vancouver, B.C. Nov. 1966

Feb. 1969, 0 1 mile

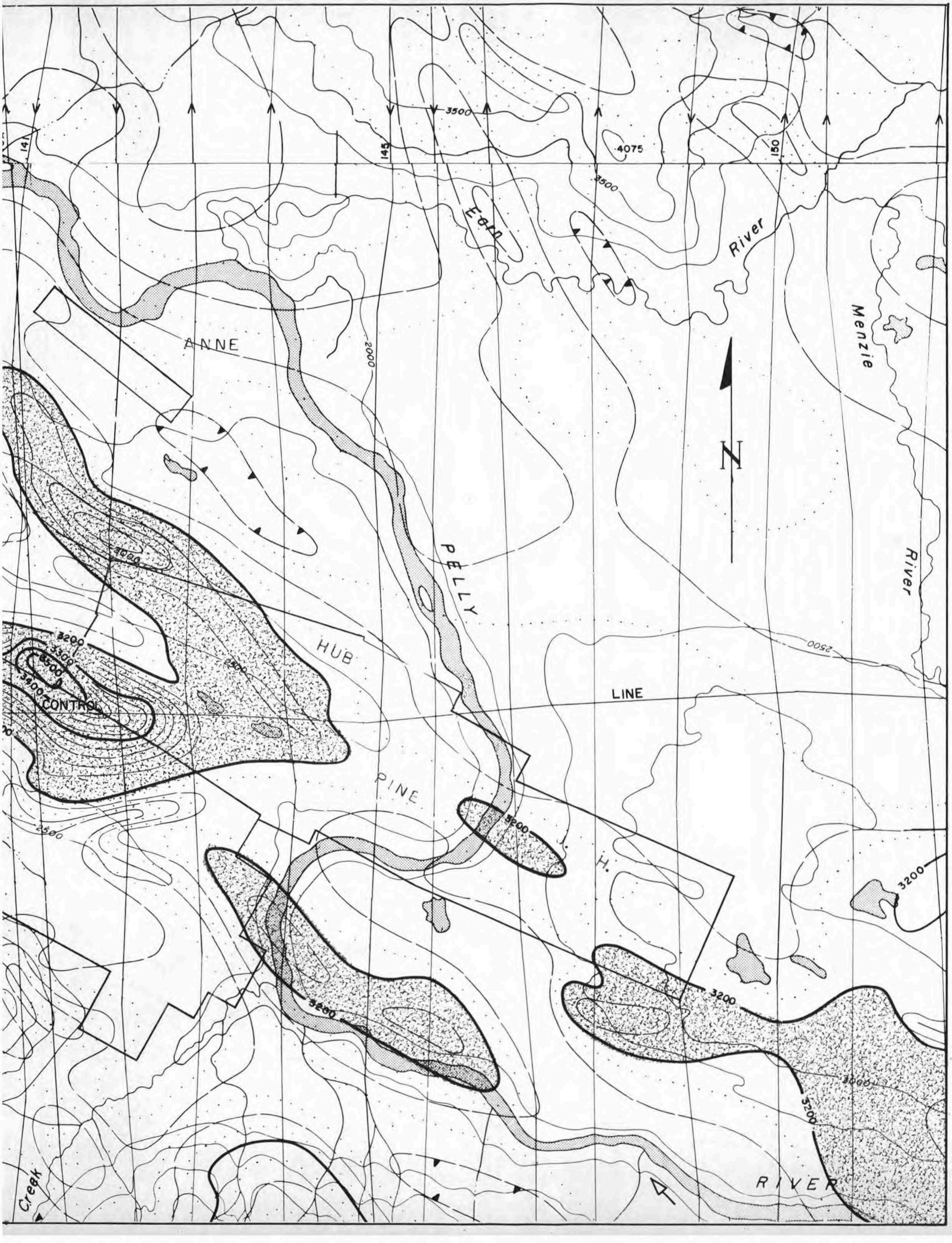
LEGEND

Property Boundary.

High Relative Magnetic Susceptibility.

Aeromagnetic contours. (see text)

FIG 12



141
145
150
3500
4075
3500
Earn
River
ANNE
2000
Menzie
River
PELLY
HUB
2500
LINE
CONTROL
3200
3300
3500
3400
3000
2500
PINE
3200
H.
3200
3200
3200
3000
3200
RIVER
Creek

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property Glenlyon Group - Yukon
Location JH Group

Surveys

At	Dip	Bearing
0'	-45°	

Hole No. JH-1 Sheet No. 1
Length of Hole
Date Started August 1, 1968 Completed August 10, 1968
Core Logged by Terry Mersereau
Date August 10, 1968
Elevation Datum
Co-ordinates of Collar
North
East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu.		
0	2	Overburden												
2	29	Quartz with areas of chloritic schist (to 10 - 20%). Some dolomite					7438	8-13	5	tr	0.7	0.22		
		in fractures. Very minor Cp. Poss H_2O course					7439	13-18	5	tr	0.6	0.02		
		6 - 8 - lost core - ground					7426	18-24	6	0.01	0.06	0.12		
		16'6" - 17'6" - lost core - ground												
		12'2" - 13'0" - lost core - ground												
		25'7" - 27' - lost core - ground												
		27'5" - 29' - lost core - ground												
		18'4" - 24' - quartz with Cp and malachite in fractures & disseminations												
		Less than 1% sulfide.												
29	211.5	Quartz augen sericitic schist - light grey-green sericitic												
		matrix with quartz augen porphyroblasts					7430	35-38'6"		tr	0.2	0.11		
		to 1/8" as well as some chloritic augen. 10% quartz veinlets,												
		with occasional Cp. Foliation (core axis angle 25 - 30°)												
		A few porphroblasts of Fe sulfide. Porphyroblasts all told												
		occupy 15% of rock, CO_3 on foliation planes.												
		38'6" - 42'3" qtz. vein.												

EXPLOR[redacted]ON DEPARTMENT

McIntyre Porcupine Mines, Limite

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No. JH-1 Sheet No. 2

Length of Hole.....

Date Started..... Completed

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu		
		65 - 70 - as previous schist but with 10% chlorite augen (to 1/8")												
		CO_3 on foliation planes. Core angle 10 - 15° - foliation												
		70 - 108 - less than 10% quartz veining												
		100 - foliation core angle 30°												
		102 - 107 - lost core - ground												
		108 - 118 - quartz augen chloritic schist - merely less sericitic than previous												
		140 - 178 - quartz chlorite augen sericitic schist												
		128 - 129 - 60% quartz												
		137 - possible fault												
		178 - 191 - quartz "graphitic" schist zone. Brecciated appearance, possible fault zone. Core angle 5 - 20°					7432	185'6"-191		tr	0.5	0.09		
		210 - 211.5 - buff colored altered sediment												
		210 - quartz vein ¼ wide with Cp. core angle 5°												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

.....

Surveys

At	Dip	Bearing

Hole No. JH-1 Sheet No. 3

Length of Hole.....

Date Started..... Completed

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu		
11.5	304.6"	"Breccia"? zone. Buff coloured rock with 10 - 15% quartz augen												
		and some chlorite augen. Consists of irregularly shaped fragments												
		in a fine grained grey-buff matrix. Jagged fragments? to 4" seen.												
		Strong preferred orientation at 20° to core axis. Occasional												
		Fe sulfides. In places fragment boundaries are indistinguishable												
		240 - "graphitic" area												
		275 - Fe sulphide in qtz vein												
		276 - Preferred orientation 20 - 25° to core axis					7433	300-304		tr	0.7	0.07		
		302 - 303.5 - quartz - "graphite" area					7440	329-333'3"	4'3'	tr	0.1	-		
		300 - 304 - some Cp in quartz veins and occasionally as shears												
		and in quartz augen. Foliation core angle 0 - 10°												
04'6"	315	Quartz augen sericite schist.												
		304.8" - 306 - quartz eye meta sed rock. 20 - 30% quartz "eyes"												
		(generally less than 1/8") in a fine grained middle grey green matrix												
		Occasional Cp associated with largest quartz areas.												
		306 - 312 - Core angle 25°. Less than 10% quartz veins with occ. Cp.												

EXPLOR[redacted]ION DEPARTMENT

McIntyre Porcupine Mines, Limite_

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No.: JH-1 Sheet No. 4

Length of Hole.....

Date Started..... Completed .....

Core Logged by.....

Date.....

Elevation Datum .....

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu		
		312 - 315 - non schistose												
315	344	315 - 319 - quartz vein with 1 - 2% Cu in fracture. Typical core					7434	315-319		0.01	0.7	1.41		
		angle 20°. Some core is ½ Cp and ½ quartz					7435	319-324		tr	0.4	0.17		
		319 - 324 - quartz with occasional Cp					7436	324-329		tr	0.4	0.04		
		324 - 329 - quartz with occasional Cp												
		324 - note sericitic mica and mariposite in quartz in quartz												
		324 - 337'6" - largely quartz with occasional Cp and mariposite												
		337'6" - 344 - 50% qtz., 50% quartz chl. augen schist. Core												
		angle 22°												
344	373	as breccia 211.5 - 304.6												
		356 - 357'9" - qtz. vein												
		363'3" - 364'5" - qtz vein with minor Cp. Shearing core angle 30°												
		364.5" - 370 - as breccia 211.5 - 304.6 but with 20 - 20% quartz.												
		Seems to be going down qtz.												
		370 - 373 - quartz vein, minor Cp												
373	392	Middle grey-green bedded phyllitic sed. rock. Bedding 20° to core												
		axis. 20% quartz intr at outset. Weakly foliated, argillaceous												
		to sandy composition.												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property Glenlyon, Yukon Territory

Location JH Group

Surveys

At	Dip	Bearing

Hole No. JH-1 Sheet No. 5

Length of Hole

Date Started Completed

Core Logged by

Date

Elevation Datum

Co-ordinates of Collar

North

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu		
		390 - 95 - minor Cp in quartz veinlets												
		379 - some chlorite porphyroblasts												
		379 - 81 - some Fe sulfides in quartz												
		390 - 91 - Cp in narrow quartz veins in sediment with core angle 20°												
392	416	Siltstone - banded grey green to carbonaceous black siltstone with												
		occasional grey-green sandstone. Bedding core angles 15 - 25°												
		401 - 405 - relatively argillaceous and carbonaceous rock												
		406 - 406'3" - quartz vein												
		407 - 408 - quartz vein with some Fe sulfide												
		412 - foliation evident												
		414 - 416 - 2 - 3% Fe sulfide												
416	423	Breccia? as 211.5 - 304.6. Preferred orientation 15° to core axis												
423	438	As 392 - 416												
438	460	Quartz - carbonaceous sediment "graphitic" area												
		443 - 447 - notice Cp and Fe sulfide. In some areas Cp concentration					7437	443-448		tr	0.8	0.02		
		is to 34%.												
460	480	Grey green sandy sediments												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

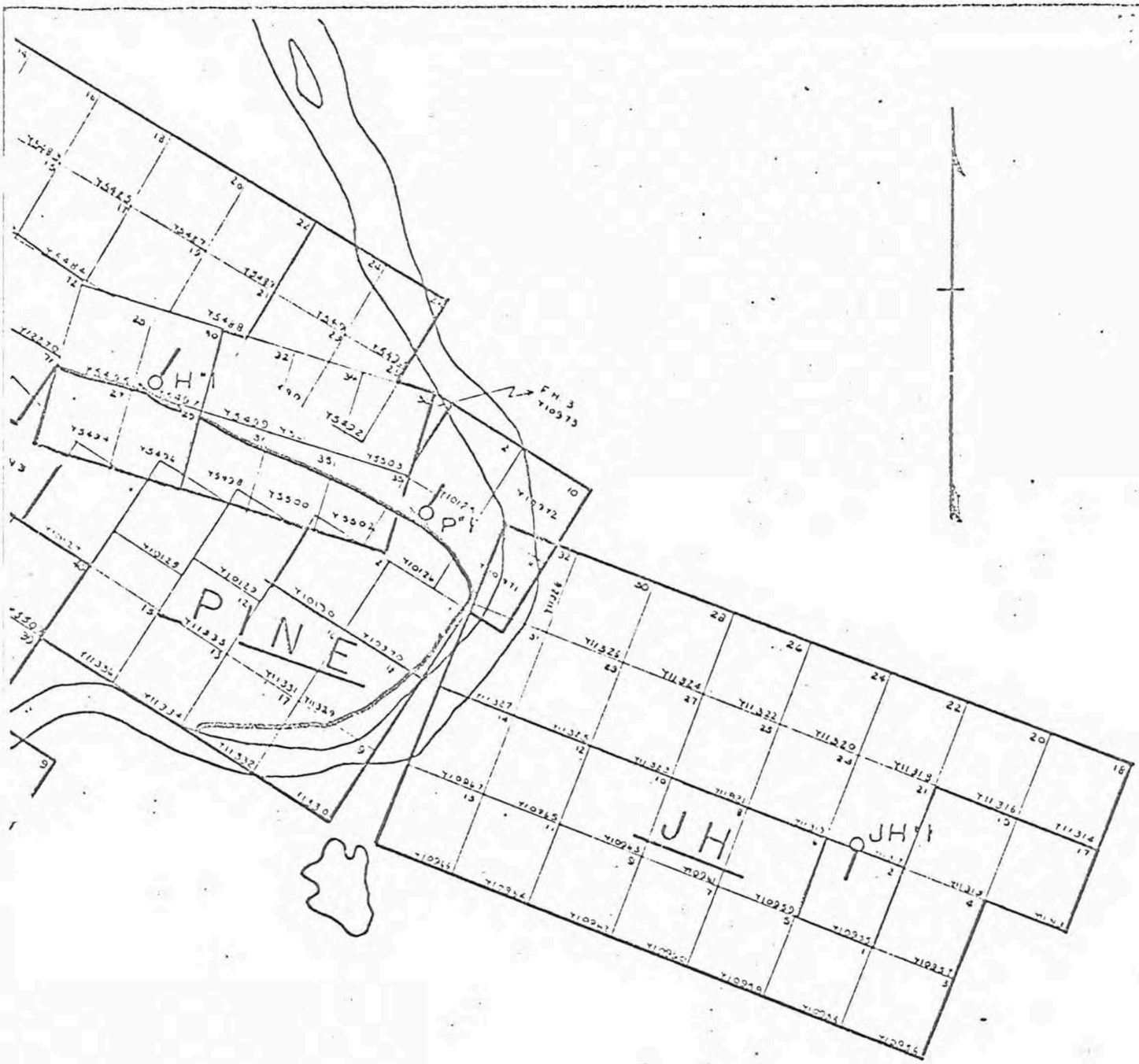
Property: Glenlyon
Location: JH-1 JH Group

Surveys

At	Dip	Bearing

Hole No.: JH-1 Sheet No.: 6
Length of Hole:
Date Started: Completed
Core Logged by:
Date:
Elevation: Datum:
Co-ordinates of Collar
North:
East:

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
		468 - 471 - quartz - carbonaceous material ("graphitic") area -												
		some ground core												
		476 - 480 - quartz - carbonaceous material area - some ground core												
480	541	Carbonaceous sedimentary rocks - banded predominantly dark black.												
		Core angle of bedding 20 - 60°. Occasional graphitic slip areas.												
	550	536 - 20% Fe sulfide in a ¼ quartz vein.												



NOTE: CORE FOR HOLE JH #1
STORED AT DRILL SITE.

T. M. Stevenson

McINTYRE PORCUPINE MINES LIMITED	
GLENLYON OPTION. LOCATION OF HOLE JH #1	
DATE DRAWN: Nov. 26, 1968	SCALE: 1" = ½ mile.
DRAWN BY: MacLEOD	N.T.S. 105 L 9

S. 17 W.

- Quartz veining
- Quartz chlorite augen sericite schist
- Breccia
- Quartz augen sericite schist
- Banded green and black sedimentary rocks
- Black carbonaceous sedimentary rocks
- Fault zone
- Sampled Interval

McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
J.H. GROUP SECTION D.D.H. 1

DATE DRAWN: 2.10.68	SCALE: 1" = 50'
DRAWN BY:	N.T.S

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property Glenlyon Option

Location Yukon Territory

Surveys

At	Dip	Bearing
Collar	45° N	

Hole No. H-1 Sheet No. 1

Length of Hole 684'

Date Started August 26/68 Completed Sept. 7/68

Core Logged by Terry G. Mersereau

Date September

Elevation ..... Datum .....

Co-ordinates of Collar

North Hub Grid PL 4+00E + 270N

East .....

From	To	Description of Core	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn
		All sludge assays - Trace Au											
0	18	Casing	18-27	Tr	0.02	0.05	614	137-140	3	tr	0.1	0.02	-
		18 - 27 - 2' core 47.5 - 52 - 2' core	27-37	0.2	0.02	0.05	615	47.5-52	4.5	0.01	0.2	0.02	-
		27 - 37 - 2'8" core 53 - 54 - 4" core	47-52	0.1	0.02	0.05	616	52-57	5	0.01	0.2	0.02	-
		37 - 42 - 4' core 57 - 62 - 21" core	57-62										
		42 - 45 - 2' core 68 - 73.5 - 44" core	81-91										
		81 - 91 - 15" core 91 - 101 - 2' core	91-101	0.1	0.02	0.05							
		101 - 111 - 3' core 111 - 116 - 38" core	101-111										
		116 - 127 - 4' core 127 - 130 - 2' core	116-127										
		140 - 146 - 5' core	111-116	0.02	0.02	0.05							
18	23	Argillaceous phyllitic quartzite - finely banded middle grey black phyllite with 80% quartz layers and 20% argillaceous, micaceous layers											
23	116	Argillaceous phyllite - dark black to grey argillaceous rock. Irregularly interbanded with a well developed foliation that generally seems parallel to bedding. Core angles variable but generally 50 - 70°. Abundant minor folding. Well developed mica on foliation planes											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property: Glenlyon Option
Location: Yukon Territory

Surveys

At	Dip	Bearing

Hole No.: H-1 Sheet No.: 2
Length of Hole:
Date Started: Completed:
Core Logged by:
Date:
Elevation: Datum:
Co-ordinates of Collar
North:
East:

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.		
		Occasional (less than 10%) quartz layers and arenaceous and sandy											
		grey layers. 1 - 5% disseminated sulfides (Fe) - very fine											
		grained - occasional specks of Cp. especially 45 - 62'											
116	148	Argillaceous arenaceous phyllite - black with thinly banded											
		(less than 1/8") layers of grey arenaceous material (40 - 60%)											
		intercalated with layers of black argillaceous micaceous material											
		(60 - 40%) 1 - 5% Fe sulfides - very fine grained, possible occasional											
		Cp.											
		138 - 140; 145 - 146' - argillaceous phyllite											
148	156	Argillaceous phyllite. Core angle foliation 75°; up to 50% quartz											
156	159	Argillaceous arenaceous phyllite											
159	168'4"	Argillaceous phyllite											
		164 - 168 - well sheared with irregular quartz development in that											
		layers are strongly discontinuous to foliation. Possible fault zone.											
		162 - 163 - Arenaceous zone.											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

.....

Surveys

At	Dip	Bearing

Hole No. H-1 Sheet No. 3

Length of Hole.....

Date Started..... Completed.....

Core Logged by.....

Date.....

Elevation..... Datum.....

Co-ordinates of Collar

North.....

East.....

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
		63 - 66'6" - argillaceous quartzite												
		70 - 73'5" - argillaceous material increases. Quartz layers with up to 25% Fe sulfide. Graphitic? material on foliation.												
		73'6" - 75'6" - quartz sericite zone with up to 5% disseminated Fe sulfide												
		76 - 81 - 70% argillaceous material												
		68 - 81 - numerous "graphitic" shears												
		81 - 91 - well developed banding and foliation with sericite? on planes												
		91 - 101 - dominantly argillaceous quartzite												
		63'- c.a. foliation 60°												
		81 - c.a. foliation 35°												
		91 - c.a. foliation 85°												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property: Glenlyon Option
Location: Yukon Territory

Surveys

At	Dip	Bearing

Hole No.: H-1 Sheet No.: 4
Length of Hole:
Date Started: Completed:
Core Logged by:
Date:
Elevation: Datum:

Co-ordinates of Collar

North:
East:

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.		
168'4"	203	Sericite chlorite schist - light green, well to poorly banded well foliated seracite rich schist with 10% quartz bands and veinlets. At outset mica development dominantly sericitic but becomes more chloritic with depth. Overall 10% chlorite development . Fe sulfide moderately fine grained - concentration 2 - 20% occurs along edges of quartz veinlets, and as brecciated particles in quartz veins (concentrations to 15 - 20% over ½" areas) Minor Cp. Minor CO_3 along foliation. Sharp contact with argillaceous phyllite. 176 - c.a. foliation 65° 195 - c.a. foliation 60° 165 - 168 - 2' core 262 - 268 - 19" core 307 - 311 - 2' core 180 - 184 - 39" core 268 - 276 - 19" core 311 - 318 - 6' core 205 - 237 - 20" core 278 - 285 - 40" core 319 - 324 - 24" core 237 - 243.5 - 5' core 285 - 287 - 20" core 395 - 400 - 3' core 243.5 - 246 - 20" core 287 - 298 - 20" core 405 - 415 - 13' core											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property: Glenlyon Option
Location: Yukon Territory

Surveys

At	Dip	Bearing

Hole No.: H-1 Sheet No.: 5
Length of Hole:
Date Started: Completed:
Core Logged by:
Date:
Elevation: Datum:
Co-ordinates of Collar
North:
East:

From	To	Description of Core	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.		
		236 - quartz vein 3" 237 - quartz vein 7"	277-285										
		239 - quartz vein 2" 242 - quartz vein 9"	298-307	0.1	0.02	0.05							
		243'6" - quartz vein 1' 248'- quartz vein 4"	395-400	0.7	0.03	0.05							
		254'4" - quartz vein 3"	318-324										
		252 - c.a. foliation 10°	228-237	0.2	0.02	0.05							
		276 - c.a. foliation 20°	297-298	0.2	0.02	0.05							
203	307	Argillaceous phyltite - dominantly black and grey	387-394	0.3	0.02	0.05							
		argillaceous material (70 - 80%) well											
		contorted with mica development along foliae. Occasional											
		pyrite blebs (to 1/8") at outset and 1 - 5% disseminated Fe											
		sulfide throughout. Sulfide is both along foliation and at											
		angles to it. Well to poorly banded. 10 - 20% quartz layers											
		204 - 205 - sericite chlorite sdhist											
		298 - 307 - probable fault gouge - very clayey and argillaceous											
		283 - 285 - argillaceous arenaceous phyllite											
307	319	Sericite chlorite schist - light green altered sericitized rock with											
		20% dark green chlorite layers and											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property: Glenlyon Option

Location: Yukon Territory

Surveys

At	Dip	Bearing

Hole No.: H-1 Sheet No.: 6

Length of Hole:

Date Started: Completed:

Core Logged by:

Date:

Elevation: Datum:

Co-ordinates of Collar

North:

East:

From	To	Description of Core	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn
		Sericite chlorite schist (continued). Minor disseminated Fe sulfide.											
		Core angle foliation 75°											
319	339	Greenstone? - medium dark green generally massive, fine grained rock											
		with some chlorite visible on a poorly defined foliation.											
		Some quartz-CO_3 veinlets											
339	371	Sericite chlorite schist - as 307 - 319											
371	386	Chlorite sericite schist - middle to dark green chloritic					7441	383-386		Tr	0.1	0.02	0.05
		rich layers (30 - 60%), buff colored											
		sericitic rich layers (10 - 20%) and arenaceous layers (20 - 40%)											
		all generally less than 1/4" width comprise rock. Occasional					7442	402-405		0.01	Tr	0.03	0.05
		black argillaceous layers and quartz veinlets. Abundant											
		minor folding. 1 - 5% disseminated Fe sulfides. Core angles					7446	480-483		Tr	Tr	0.03	-
		foliation 60 - 90°	468-474	0.2	0.02	0.05							
386	518	Sericite chlorite schist - light buff to grey green rock with	491-502	0.5	0.02	0.05							
		70% sericite rich argillaceous layers	511-521	0.5	0.03	0.05							
		and 30% arenaceous layers occasionally augen shaped.	502-511	0.5	0.02	0.05							
		10% or less chlorite. 1 - 5% diss. Fe sulfide, occasional quartz											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property: Glenlyon Option

Location:

Surveys

At	Dip	Bearing

Hole No.: H-1 Sheet No.: 7

Length of Hole:

Date Started: Completed:

Core Logged by:

Date:

Elevation: Datum:

Co-ordinates of Collar

North:

East: ?

From	To	Description of Core	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn
		veinlets, abundant minor faulting. Core angles foliation											
		dominantly 70 - 90°											
		452 - 456 - 1' core. 505 - 511 - 20" core 405 - 406 - minor Cp in quartz											
		474 - 477 - 2' core. 515 - 521 - 4' core											
		468 - 474 - 3' core 525 - 532 - 6' core											
		489 - 491 - 1' core 542 - 546 - 9" core											
		491 - 502 - 30" core 410 - 452 - 50% of quartz is augen shaped, remainder in layers											
518	567	Chlorite sericite? schist - dark and light green partially chloritized thinly banded rock with					7445	522-527		Tr	Tr	0.03	-
		10 - 15% black argillaceous layers - 20 - 30% quartz layers often with					7444	560-565		Tr	Tr	0.02	0.05
		boudinage shapes. Occasional approximately 10% buff sericite? layers.					7443	565-570		Tr	Tr	0.02	-
		1 - 5% disseminated Fe sulfide. Banding c.a. and foliation c.a. differ					7447	679-681		Tr	0.1	0.02	-
		477 c.a. foliation 70° in some areas. One foliation is parallel to											
		487 c.a. foliation 20° bedding? and a second at 20° to it.											
		511 c. a. foliation 70°											
		523 - 528 - some reddish coloration in quartz											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

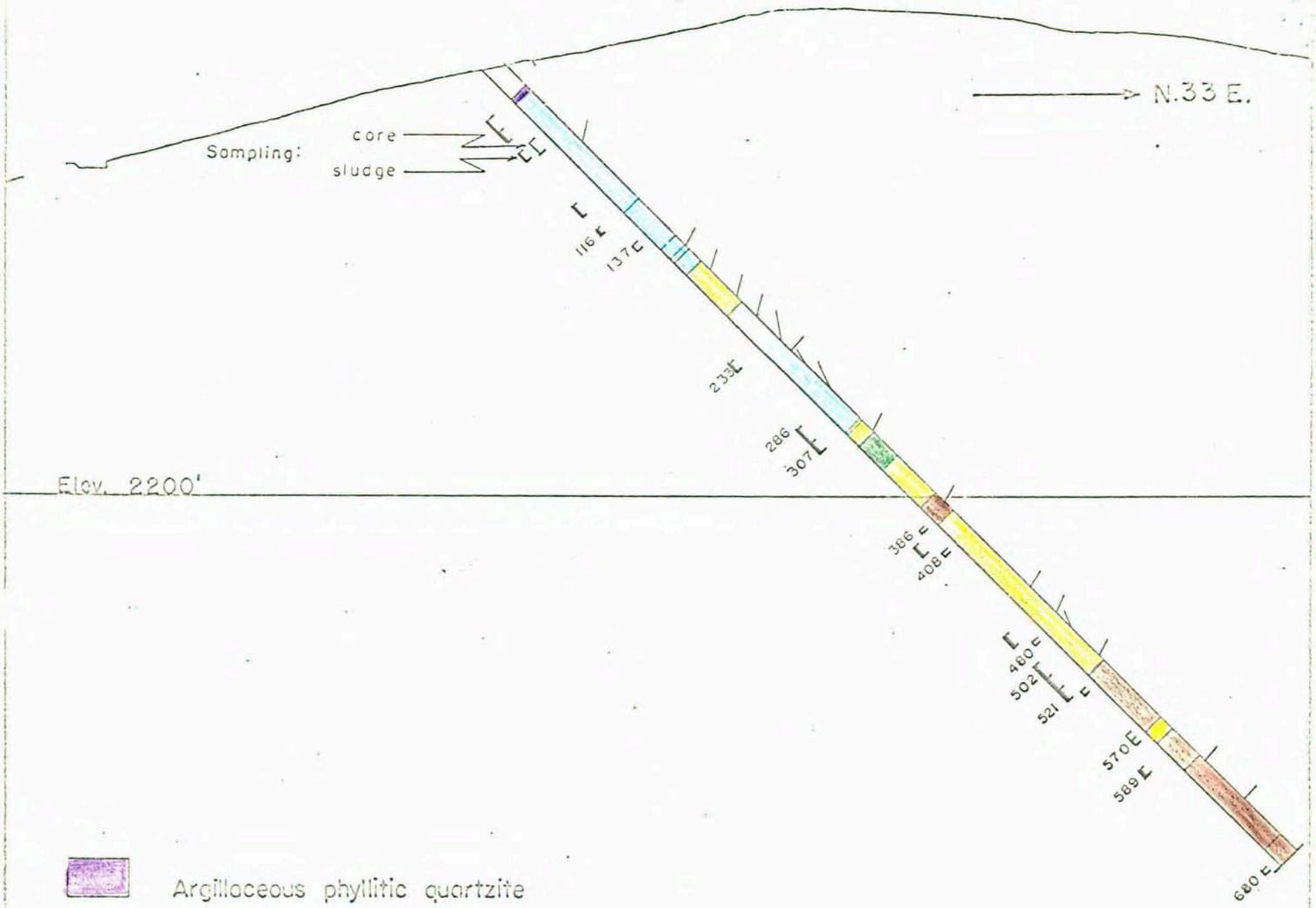
Property: Glenlyon Option
Location: Yukon Territory

Surveys

At	Dip	Bearing

Hole No.: H-1 Sheet No.: 8
Length of Hole:
Date Started: Completed:
Core Logged by:
Date:
Elevation: Datum:
Co-ordinates of Collar
North:
East:

From	To	Description of Core	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
		540 - 567 - chlorite content relatively low compared to remainder												
		of this unit.												
567	577	Sericite chlorite schist - typ.												
577	669	Chlorite sericite schist - as 518 - 567 - Generally minor sericite	582-589	0.1	0.02	0.05								
		becomes more chloritic with depth												
		605 - 606 - Cp in narrow quartz veinlets less than 0.5 Cu.												
		601 - 605 - 20% buff colored sericitic material												
		613 - c.a. foliation 85°												
		636 - c.a. foliation 90°												
		613 - 669 - 15 - 25% quartz layers parallel to dominant foliation												
		679 - 684 - 10% Fe sulfide in veinlets												
669	684	Chlorite schist - dark green moderately schistose thinly banded												
		chlorite schist												
	684	end of hole												



Argillaceous phyllitic quartzite

Argillaceous & arenaceous phyllite

Sericite chlorite schist

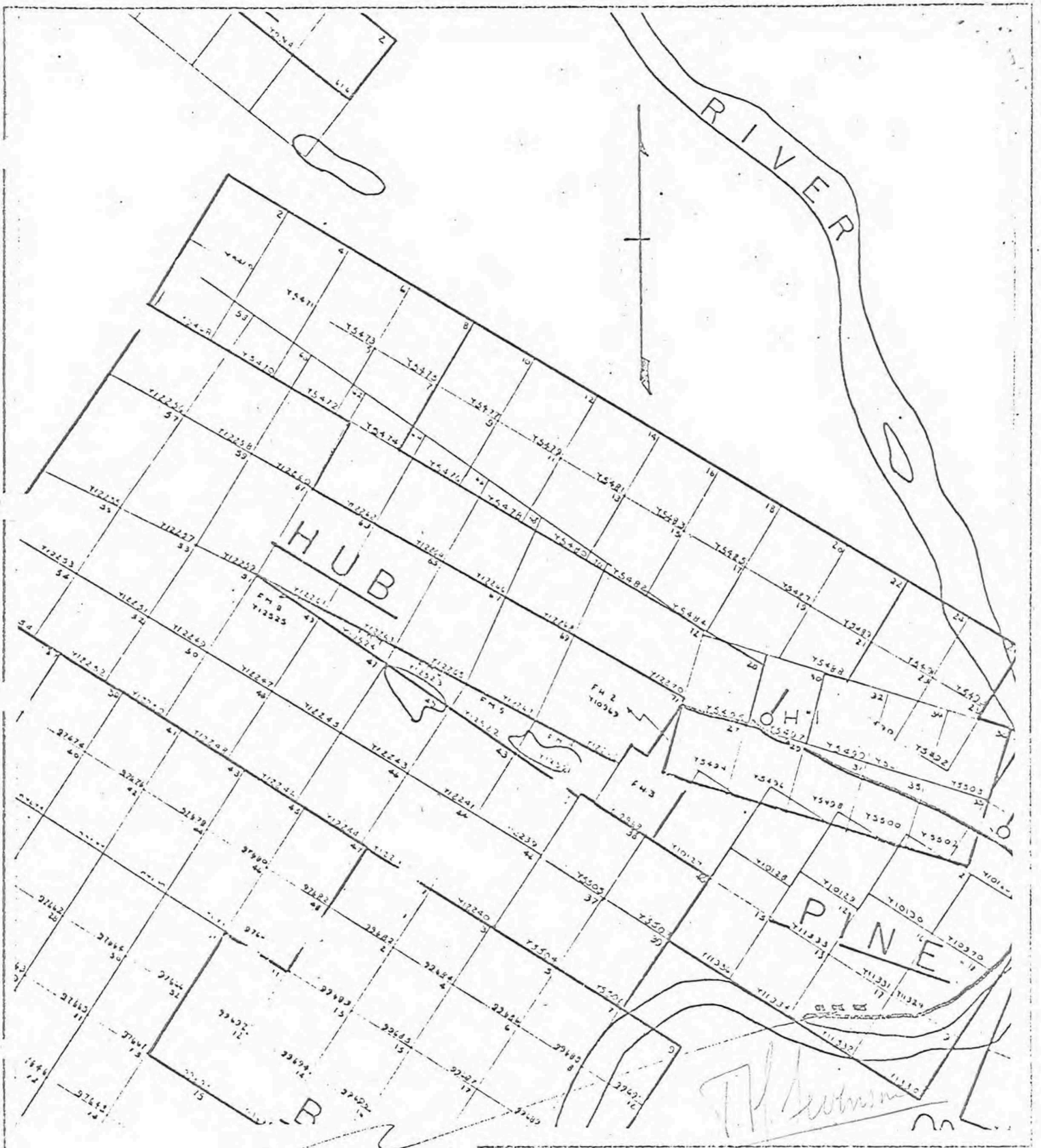
Greenstone

Chlorite (sericite) schist

McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
HUB GROUP SECTION D.D.H. 1

DATE DRAWN: 2.10.68	SCALE: 1" = 100'
DRAWN BY:	N.T.S.



NOTE: CORE FOR HOLE H# 1
STORED AT CAMP SITE

McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
LOCATION OF HOLE H# 1

DATE DRAWN:	Nov. 26, 1968	SCALE:	1" = ½ mile
DRAWN BY:	MacLEOD	N.T.S.	105 L10

'orcupine Mines, Limited

DIAMOND DRILL LOG

Hole No. P-1 Sheet No. 1
Length of Hole 301'
Date Started 13/8/68 Completed 17/8/68
Core Logged by Terry G. Mersereau
Date 19/8/68
Elevation Datum
Co-ordinates of Collar
North Pine Grid 0+00 and "P" base line intersection
East

From	To	Description of Core	SLUDGE ASSAYS Footage	Au	Ag	Cu	Sample No. Zn	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
0	32	Bx & Ax casing - minor quartz and fine grained argillaceous phyllite - 5" of core.												
32	103	Rock mainly washed away												
		32 - 37 - 5" core. Mainly quartz and argillaceous phyllite with quartz interlayers.												
		37 - 47 - 8" core as above												
		47 - 56 - 1' core as above	56-66	tr	0.10	0.02	0.05							
		56 - 76 - 2' core as above, well folded	66-76	tr	tr	0.02	0.16							
		76 - 86 - core as above but with 2% Fe sulfide and possibly minor Cp. "Graphitic" shears in part. Core angle of foliation 60°	76-86	tr	tr	0.02	0.10							
			86-96	tr	tr	0.02	0.05							
			96-100	0.01	0.1	0.03	0.15							
		86 - 96 - 3' core. Argillaceous phyllite with 2 - 4% sulfide	103-106	0.01	0.01	0.03	0.15							
		Core angle foliation 70°. Sulfides may be most dominant	108-117	tr	0.02	0.02	0.09							
		in quartz rich layers	117-122	tr	tr	0.02	0.06							
		96 - 103 - as 86 - 96. Couple of grains of Cp visible	123-127	tr	tr	0.02	0.16							
		less than 2' core	130-134	tr	0.1	0.02	0.35							
		103 - 105'6" - as 86 - 96 - less than 2' core	137-145	tr	tr	0.02	0.20							
			145-148	tr	0.2	0.02	0.10							

EXPLOR[redacted]TION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property Glenlyon

Location Yukon Territory

Surveys

At	Dip	Bearing

Hole No. P-1 Sheet No. 2

Length of Hole

Date Started Completed

Core Logged by

Date

Elevation Datum

Co-ordinates of Collar

North

East

From	To	Description of Core	SLUDGE ASSAYS Footage	Au	Ag	Cu	Sample No. Zn	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.
32	105'6"	Black argillaceous phyllite. Thinly banded with black	153-159	tr	0.1	0.03	0.19				
		argillaceous and white quartzy layers. The quartzy									
		layers are discontinuous and the foliation and mica									
		development (sericite?) occur in the argillaceous layers.									
		Abundant folding to which folding seems axial planar. Sulfides									
		were introduced before the folding 50 - 70% argill material; 50 - 30%									
		quartzitic material									
105'6"	124	Phyllitic argillaceous quartzite - 70 - 80% quartzy layers									
		and 20 - 30% discontinuous folded argillaceous micaceous									
		layers. Minor Fe sulfide. Some carbonate in fractures.									
		Abundant minor folding. Core angle of foliation 60°.									
124	295	Black argillaceous phyllite as 32 - 105'6". Diss 2 - 3% Fe sulfide									
		128 - 134 - minor Cp. an unindentified (tetrahedite?) in an									
		1/8" - 1/4" qtz vein.									
		137 - 145 - 3' core									
		145 - 148 - 1.5' core									
		165'2" - 165'10"; 167'; 168'9"; 171'4" - qtz veins									
		177' - 183' - several 1 - 2" qtz. veins									

EXPLOR[redacted]ION DEPARTMENT

McIntyre Porcupine Mines, Limite

DIAMOND DRILL LOG

Property Glenlyon

Location Yukon Territory

Surveys

At	Dip	Bearing

Hole No. P-1 Sheet No. 3

Length of Hole

Date Started Completed

Core Logged by

Date

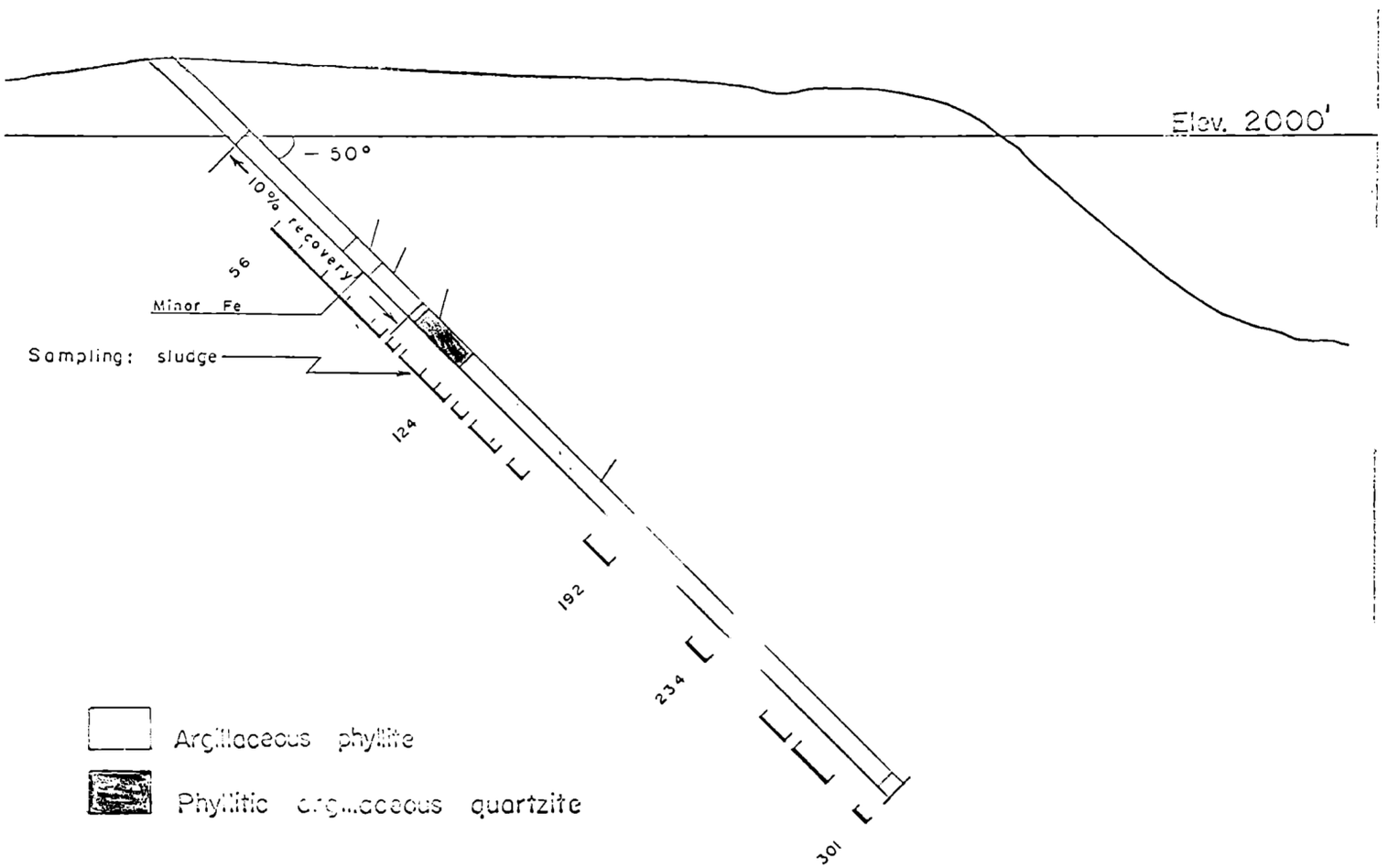
Elevation Datum

Co-ordinates of Collar

North

East

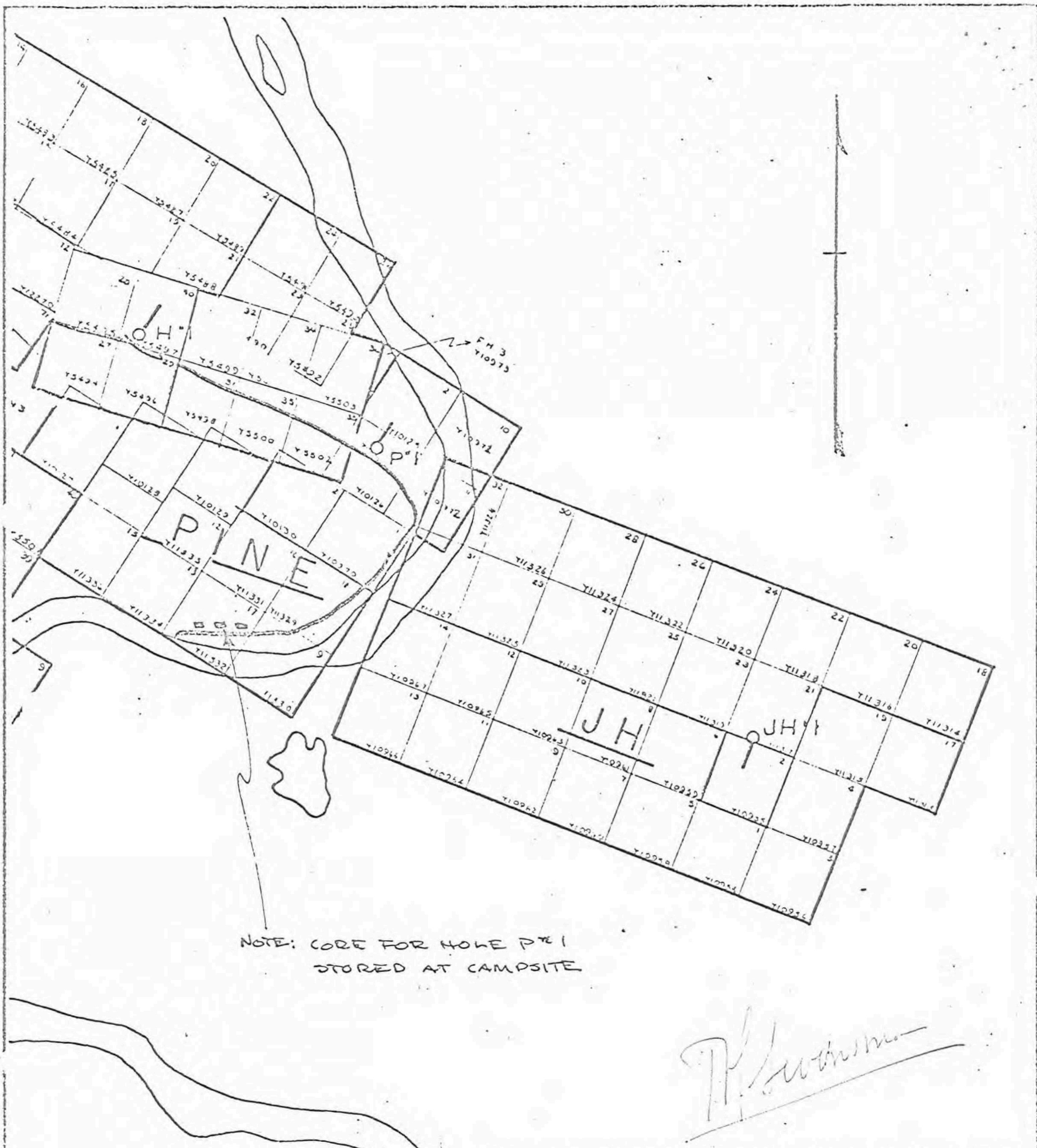
From	To	Description of Core	SLUDGE ASSAYS Footage	Au	Ag	Cu	Sample No. Zn	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
		177' - Foliation core angle 80°	184-195	0.01	0.1	0.03	0.15							
		188 - 193 - 70% argillaceous material	226-234	tr	0.1	0.03	0.06							
		192 - 202 - 70% argillaceous material some of which is brecciated	257-267	0.01	tr	0.03	0.14							
		with a quartz-carbonate filling	270-284	tr	0.1	0.03	0.15							
		234- 295 - as 188 - 193	295-301	tr	tr	0.02	0.10							
		248 - quartz band (1" wide) with 40% pyrite												
		238 - foliation seems axial planar												
		269 - 289 - 2' core												
		289 - 295 - 2" core												
		295 - 301 - sand												



McINTYRE PORCUPINE

GLENLYON OPTION
PINE GROUP SECTION D.D.H

DATE DRAWN: 2.10.68	SCALE: 1" = 50'
DRAWN BY:	N.T.S.



McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
LOCATION OF HOLE P#1

DATE DRAWN:	Nov 26, 1968	SCALE:	1" = 1/2 mile
DRAWN BY:	MacLeod	N.T.S.	105 L 10

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property Glenlyon Option
Location MAB Claim No. 9

Surveys

At	Dip	Bearing
0	45°	N35°E

Hole No. D.D.H. M-1 Sheet No. 1
Length of Hole 496
Date Started Sept. 12/68 Completed Sept. 17/68
Core Logged by Terry G. Mersereau
Date
Elevation - Datum -

Co-ordinates of Collar
North Approx as shown on Fig. 12
East

From	To	Description of Core	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn
0	67	Casing	67-77	Tr	0.02	0.10	7448	142-146		Tr	0.2	0.02	0.05
62	73	Argillaceous phyllite (arenaceous) - grey black with 50 - 70%	77-89	Tr	0.02	Tr	7449	146-158		Tr	0.2	0.02	0.05
		arenaceous? material and 30 - 50% argillaceous and silver grey	89-98	Tr	0.02	0.05	7450	214-220		Tr	0.1	0.02	0.05
		foliated micaceous platy layers. The arenaceous material is often	98-108	Tr	0.02	0.10							
		not discretely organized into layers. Minor disseminated Fe sulfides	108-118	Tr	0.02	0.10							
		and 10 - 15% quartz veinlets with occasional Fe sulfides. Core angle											
		foliation variable from 90° to 10°	147-152	Tr	0.02	0.05							
		62-69 - 9" core 86-96 - 44" core 165-172 - 43" core											
		74-77 - 1' Core 147-152 - 4" core	154-158	Tr	0.02	Tr							
		77-81 - 32" " 154-158 - 4" "	158-160	Tr	0.02	0.05							
		83-89 - 5' " 158-160 - 18" "											
73	103	Argillaceous phyllite - middle grey to black well foliated and											
		lineated dominantly argillaceous phyllite											
		50% - 80% argillaceous material with silver grey micaceous material											
		on foliation & 20 - 40% qtz layers and otherwise. Minor diss Fe											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No. D.D.H. M-1 Sheet No. 2

Length of Hole.....

Date Started..... Completed

Core Logged by.....

Date.....

Elevation..... Datum.....

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
		Argillaceous phyllite (cont.). Foliation core angle dominatly 70-90°												
		Some isoclinal folding evident as well as												
		minor faulting (esp. 100-103)												
		88' - 9" qtz vein												
		90' - 96' - dominantly qtz (70 - 80%)												
103	152	Sericite phyllite - mid grey-green poorly to moderately foliated												
		rock with abundant sericite and occasional chlorite												
		developed along the foliation.												
		10% folded quartz veinlets. Weakly to moderately dolomitic. c.a. fol.	dominantly 70 - 75c											
152	159	Quartz sericite schist - 50% ground or washed away. Diss Pyr in qtz.												
		c.a. foliation dominantly 15°												
		107 - 113 - argillaceous phyllite (arenaceous?)												
		117 - 118 - " " (carbonaceous looking)												
159	214	Argillaceous phyllite - as 73 - 103 - abundant CO_3 159 - 177												
		204-5 - qtz vein 214 - 221 - 85% qtz - minor diss. Fe. sulf												
		209 - 7" " " 221 - 223 - 50% "												
		212 - 5" " "												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property

Location

Surveys

At	Dip	Bearing

Hole No. M-1 Sheet No. 3

Length of Hole

Date Started Completed

Core Logged by

Date

Elevation Datum

Co-ordinates of Collar

North

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
214	226	Sericite phyllite - as 103 - 152. Note flesh colored angular specks to 1/16" comprising 10 - 15% of rock												
226	241	Sericite schist - grey green to dark grey colored well foliated rock with abundant sericite development on foliation and matrix. Well banded with abundant minor folding evident. Minor qtz-CO_3 intrusion. 1 - 5% diss. Fe sulf.												
241	282	Sericite chlorite CO_3 phyllite - poorly to moderately foliated rock composed of sericite (50 - 70%) in an argillaceous medium green matrix. Minor chlorite, 15% CO_3 along foliation in places. Becomes more foliated with depth. Overall texture moderately foliated partially granular Minor diss. Fe sulfide)1 5%) along foliation planes (poss. pyrrh) 10% qtz - CO_3 veining 255 - c.a. fol. 55° 270'6" 7" qtz vein 273-79 - 20% of mica chl. 241-248 - mid grey partially massive and granular poorly foliated rock composed of grey-green argill. matter. Some sericite along foliation.												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No.....Sheet No. 4

Length of Hole.....

Date Started.....Completed

Core Logged by.....

Date.....

Elevation.....Datum.....

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn	
		241 - 282 - as 226 - 241												
		264-67 - poorly foliated					639	266-269		Tr	Tr	0.02		
282	295'8"	Light green poorly foliated banded granular looking					640	285-290		Tr	Tr	0.02		
		rock with clumpy chlorite development along foliation. Minor												
		diss. Cp and Fe sulfide along foliation.												
		Approx. 30 - 50% silicic material and 50% - 70% chloritized												
		argillaceous material c.a. fol. at 55°												
295'8"	299	As 226-41												
299	301	As 282-95												
301	305'9"	As 226-41												
305'9"	321	As 282-95												
		305 c.a. fol. 45° 310 c.a. fol. 15°												
		315 " " 45°												
321	326'6"	Sericite chlorite schist - 15% chlorite, remainder sericite												
326'6"	335	Argillaceous phyllite - black foliated argillaceous material												
		intermixed with qtz-CO_3 areas. Prob.												
		fault zone. Overall 50% argill. material &												
		50% qtz-CO_3 pseudo layers												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No.....Sheet No. 5

Length of Hole.....

Date Started.....Completed.....

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East.....

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn
335	350	Sericite phyllite as above but argill. material in grey and sericite					641	398-407		Tr	Tr	0.02	0.03
		is on foliation. Minor folding evident.											
350	366	Argillaceous phyllite - some sericite development along foliation											
		c.a. fol. 75° Minor diss. Fe. sulfide											
366	380'9"	Sericite phyllite - 50 - 70% qtz, 50 - 30% sericite and argillaceous											
		material, well banded.											
		Minor Fe sulfide. Foliation c.a. 65°. Less schistose near end.											
		379 - 380 - bluish - green alteration											
		374-75 - qtz vein with diss. Fe sulfide											
380'9"	398	Argillaceous phyllite - well foliated - typical											
		395-98 - mid grey qtz dolomite argillaceous material fault zone.											
398	406	Sericite schist/foliated with a fragmented silicified zone. Very creamy buff											
		pronounced alteration including green mica? - monzonite. Minor diss											
		Fe sulfide. Occ. Cp. Foliation developed after faulting.											
406	496	Argillaceous phyllite - typical with diss. Fe. sulfide.											
		406'6" - 408 - brecciated zone. Minor Cp. & Fe sulfide											

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No.....Sheet No.....

Length of Hole.....

Date Started.....Completed

Core Logged by.....

Date.....

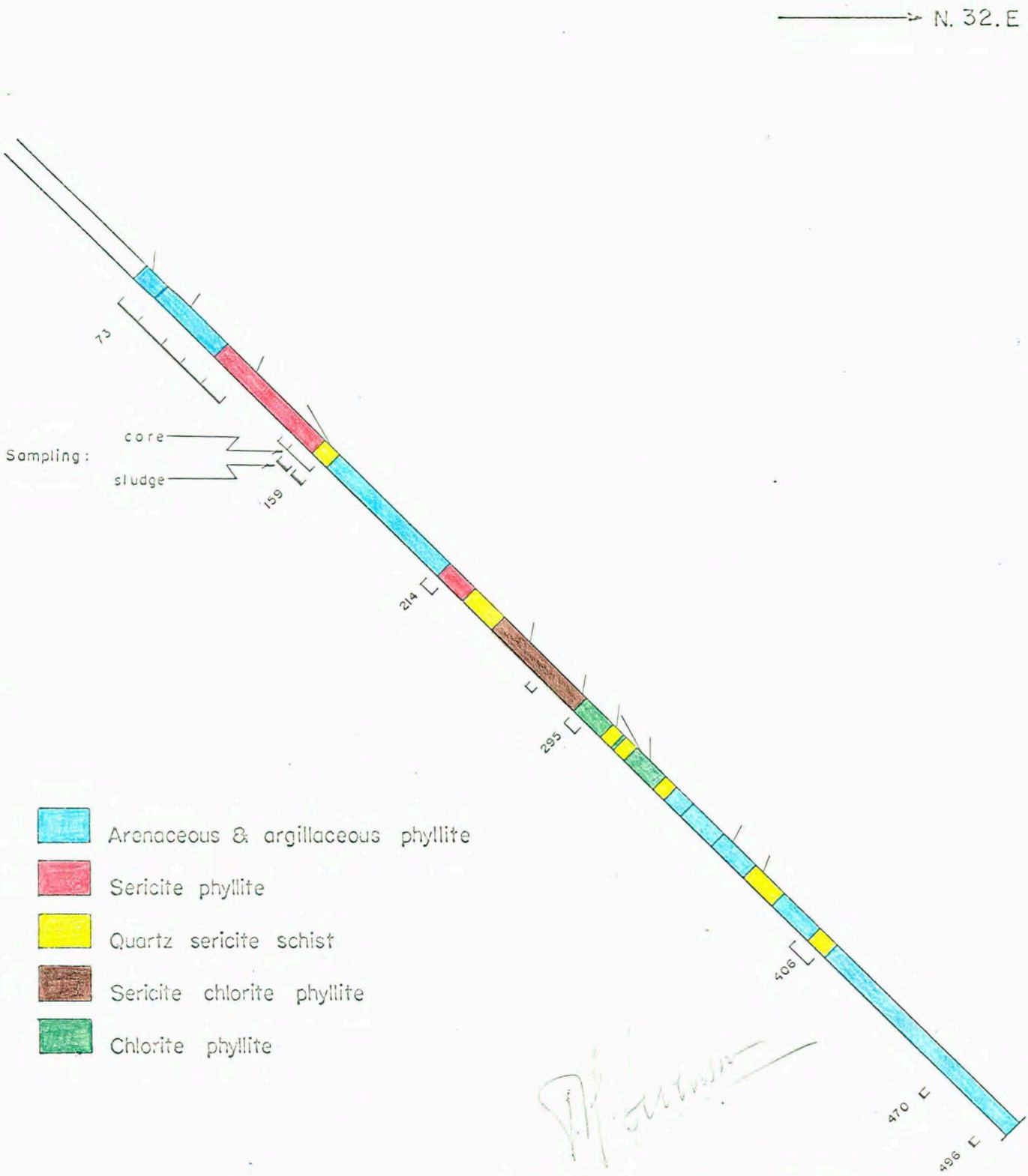
Elevation Datum

Co-ordinates of Collar

North.....

East

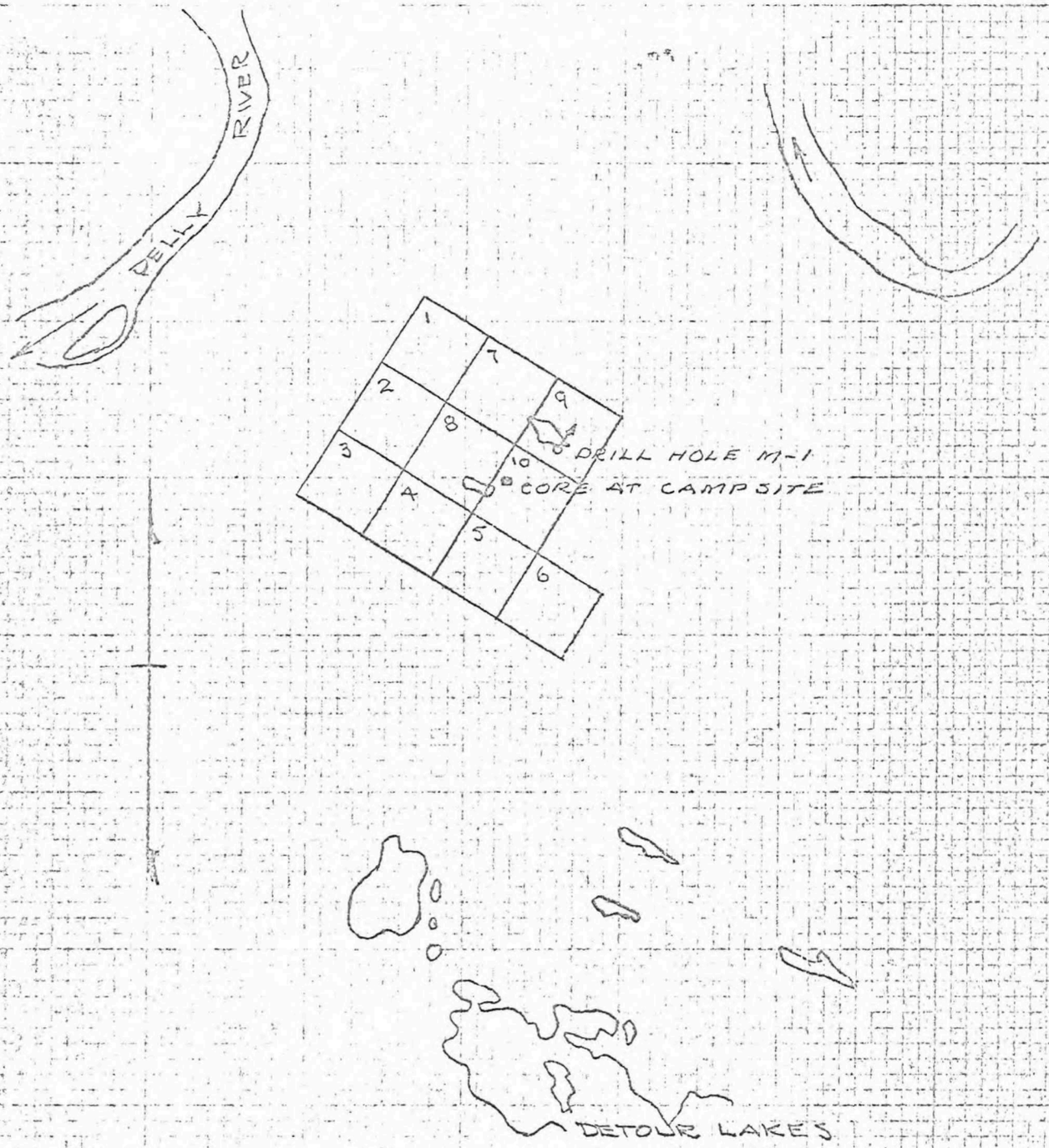
From	To	Description of Core	SLUDGE ASSAYS				Sample No.	CORE ASSAYS						
			Footage	Ag	Cu	Zn		Footage	Width	Au Ozs.	Ag Ozs.			
		423-24 - qtz CO_3 vein												
		424 - 430 - 1' core												
		431-32 - qtz - fault gouge zone												
		437-39 - fault breccia zone												
		467-70 - 22" core	467-470	0.1	0.03	0.10								
		470-79 - 44" core												
		492-96 - 18" core	492-495	Tr	0.02	0.15								
		484 foliation c.a. at variance to banding												
	496	END OF HOLE												



McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
MAB GROUP SECTION D.D.H. 1

DATE DRAWN: 3.10.68	SCALE: 1"=50'
DRAWN BY:	N.T.S.



McINTYRE PORCUPINE MINES

GLENLYON OPTION - MAB GROUP

LOCATION OF HOLE M-1

DATE: SEPT. 19, 1968	WHITEHORSE MD	SCALE 0 1 3000'
DRAWN: MACLEOD	105 L 10	

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property [redacted] Lyon Option, Yukon Territory

Location DDH #2 MAB Group South Anomaly

Surveys

At	Dip	Bearing
Collar	-45	

Hole No. DDH MAB #2 Sheet No. 1

Length of Hole 533

Date Started 19/9/68 Completed 25/9/68

Core Logged by T. G. Kerserçau

Date 19-25/9/68

Elevation Datum

Co-ordinates of Collar +50

North MAB Group South Conductor PL 4+00 East 1 South

East

From	To	Description of Core	Sample No.	SLUDGE ASSAYS Footage	Ag	Cu	Zn	Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.	Cu	Zn
0	24(31)	Casing. 22'-30' - 56" core	14291	30-37	Tr	0.06	0.10	642	24-30		Tr	Tr	0.03	
24	97	Chlorite schist - dark and light green well foliated	14292	102-104	Tr	0.02	0.10	643	30-43		Tr	Tr	0.02	
		and in general well banded	14286	104-111	Tr	0.02	0.18	644	43-53		Tr	Tr	0.02	
		(parallel to foliation) chloritic schist with 85%	14283	111-120	Tr	0.02	0.15	645	53-57		Tr	Tr	0.02	
		chloritized argillaceous material and 15% quartz	14282	120-131	Tr	0.02	0.25	14293	457-467		Tr	Tr	0.03	-
		bands parallel to foliation. Banding generally less than ¼"	14284	131-141	0.1	0.02	Tr	14294	474-479		Tr	Tr	0.03	
		Minor diss. Fe sulfide. Some Cp. in quartz layers and	650	141-151	Tr	0.02	0.15	14295	392-397		Tr	Tr	0.03	
		along foliation predominantly near veinlets (less than 1% Cp)	14285	151-161	Tr	0.02	0.03	14296	412-416		Tr	Tr	0.03	0.18
		Well folded on a minor scale. c.a. foliation generally 65°	14280	161-171	Tr	0.02	0.15	14297	221-224		Tr	Tr	0.02	Tr
		29'8" - malachite along foliation 56-62 quartz chlorite zone	14289	171-180	Tr	0.02	0.20	14298	243'5-44.5		Tr	Tr	0.09	-
		39-41 - gouge or mud seam 77-78 " " "	14281	180-190	0.2	0.03	0.20							
		43'5" - 44'1" - quartz vein 70-71 - 50% quartz	14287	195-205	Tr	0.03	0.13							
		46'6" - 4" quartz vein	14288	205-215	Tr	0.03	0.20							
		51'3" - 51'9" - quartz vein	14290	227-234	Tr	0.02	0.15							
		67'6" - 68' - quartz vein	14299	252-262	Tr	0.02	0.15							
		53-57 - 36" core 22-30 - 56" core	14300	288-294	Tr	0.02	0.15							
		30-38 - 28" " 57-61 - 43" "	14301	268-277	0.1	0.02	0.18							
		61-64 - 31" " 102-111- 17" "	14302	277-308	Tr	0.02	0.02							

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property Glenlyon Option

Location Yukon Territory

Surveys

At	Dip	Bearing

Hole No. Mab 2 Sheet No. 2

Length of Hole

Date Started Completed

Core Logged by

Date

Elevation Datum

Co-ordinates of Collar

North

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
		51 - 66 - quartz-chlorite-chlorite schist breccia zone - area of intense quartz-chlorite veining and contains brecciated buff and dark chloritic fragments in a green chloritized argillaceous matrix.												
		70 - 94 - core is not highly chloritized and the argillaceous material contains chlorite rich bands and irregular areas (approx. 30% of rock). 70% of core is light middle green partially sericitized?. argillaceous material. Less than 10% fine quartz banding. Less Fe and Cp sulfides than at outset of hole. Abundant minor folding in certain sections. Are two discrete foliations S_1 and S_2 (axial planar to S_1). Very thinly banded.												
		72' - S_1 45° C.A. 76' - S_2 85° c.a; S_1 folded.												
		80' - 3" quartz vein 88' - 89' - 40% quartz vein 101' - 2" quartz vein												
		81' 9" quartz vein 92' - 1" quartz vein 102' - 2" quartz vein												
		84'3" - 17" quartz vein 93' - 95' - 50% quartz vein												
		87' - 1' quartz vein 98' - 99' - 70% quartz vein												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

.....

Surveys

At	Dip	Bearing

Hole No. MAB 2 Sheet No. 3

Length of Hole.....

Date Started..... Completed.....

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
97	107	Chlorite sericite schist - mid grey-green partially silicified zone												
		with quartz banding and veinlets												
		25% chlorite in layers predominantly along S_2. Sericite												
		developed along S_1 generally												
		100' c.a. S_1 - 65° 111 - 121 - 8" core 161 - 178 - 18" core												
		c.a. S_2 - 90° 121 - 131 - 6" core 178 - 188 - 14" core												
		131 - 146 -16" core 188 - 195 - 48" core												
		146 - 161 -10" core 195 - 205 - 33" core												
107	205	Graphite -quartz-graphitic argillaceous phyllite fault zone -												
		highly graphitic (up to 80%) black to												
		grey black mineralized (up to 20% Fe sulfide)												
		in rock and quartz. Possibly some Cp and PbS. Quartz intruded												
		190 - 195 - core essentially a quartz-graphite sand.												
		195 - 205 - c.a. foliation 65°. 20% Fe sulfide												
		207 - 210 - minor Cp in quartz veinlets and along foliation												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No. MAB 2 Sheet No. 4

Length of Hole.....

Date Started..... Completed

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
205	262	Chlorite phyllite - dark green to middle grey moderately foliated rock with 15 - 40% chlorite plates and masses developed along foliation. Originally weak banding dimishes with depth. Augen of quartz and chlorite comprise up to 15% of rock in some area. Approximately 10% quartz-CO_3 bands generally parallel to foliation. Minor (up to 5%) dissemination. Fe sulfides and occasional Cp in and near quartz veining. Minor folding occasionally visible.												
		227-34 - 9" core 239-42 - 24" core 250-62 - 28"core												
		268-77 - 9" core 277-81-5" core 281-94 - 5" core												
		221-24 - minor Cp in quartz												
		244 - minor Cp in quartz												
		238-64 - middle grey green predominantly argillitic, chlorite lean zone												
		248-55 - sericite development												
		255-62 - highly graphitic gouge zone												
		262-65 - quartz-chlorite altered brecciated rock												
		c.a. fol. 218 65° 304 65° prob. both S_1												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No. MAB 2 Sheet No. 5

Length of Hole 533

Date Started..... Completed .....

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
262	376	Metamorphased quartz chlorite-hematitie facies iron formation -												
		middle to dark green color with 40 - 60% chloritic material,												
		10 - 30% hematite and 20 - 40% arenaceous material all aligned												
		parallel to the foliation.												
		Well foliated and moderately banded with hematite in layers and												
		augen up to 3/8" thick. Some quartz-CO_3 veining. Occasional augen												
		of quartz and some unidentified material. Foliation c.a. 65 - 70°												
		Endy with 376 transitional												
		313 - possible breccia zone												
		336 - 39 - breccia zone												
		After 356 - Fe content dimishes to 10% or less												
		392 - 97 - minor Cp in quartz. Predominantly approx. 10% quartz												
		veining in Fe formation												
		392 - c.a. fol. 85°												
		404 - 407 - 30" core												
376	423	Quartz chlorite facies Fe formation - 70% chloritic material,												
		middle to dark green, 30% quartz and grey siliceous material,												

EXPLORATION DEPARTMENT

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Property.....

Location.....

Surveys

At	Dip	Bearing

Hole No. MAB #2 Sheet No. 6

Length of Hole.....

Date Started..... Completed .....

Core Logged by.....

Date.....

Elevation Datum

Co-ordinates of Collar

North.....

East

From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
376	423	Occasional areas of Fe sulfide concentration up to 10% as 413-17												
		412 - approx. 10% magnetite along foliation												
		413-15 - up to 10% Fe sulfides and less than 1% disseminated Cp in quartz and along foliation												
423	453	Quartz chlorite magnetite facies Fe formation - dark to light green moderately banded chloritic material (70%); 10 - 15% magnetite 10 - 15% quartz - all aligned along foliation. Are up to 20% in places of epidote looking clots (uncertain) Minor dissemination Fe sulfide and some Cp (generally in quartz)												
453	526	Quartz chlorite facies Fe formation - middle to dark green 60 - 80% chloritic material 20 - 40% arenaceous layers - dominantly quartz. Some quartz veining. Moderate foliation. Minor disseminated Cp and Fe sulfides in quartz and chlorite 470 c.a. fol. 65°												

EXPLORATION DEPARTMENT

Property.....

Location.....

Surveys

At	Dip	Bearing

McIntyre Porcupine Mines, Limited

DIAMOND DRILL LOG

Hole No. DDH MAB #2 Sheet No. 7

Length of Hole.....

Date Started..... Completed

Core Logged by.....

Date.....

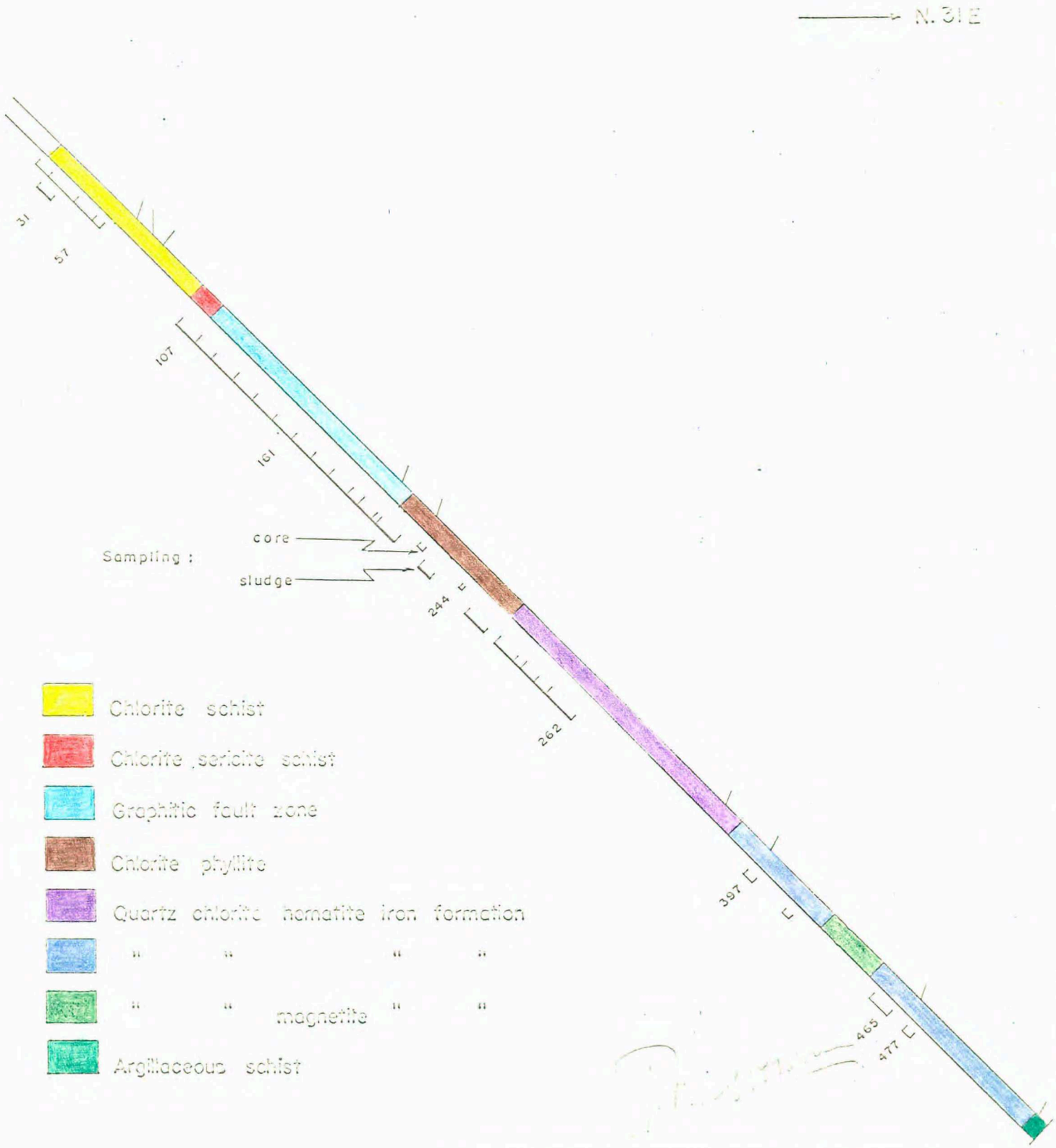
Elevation Datum

Co-ordinates of Collar

North.....

East

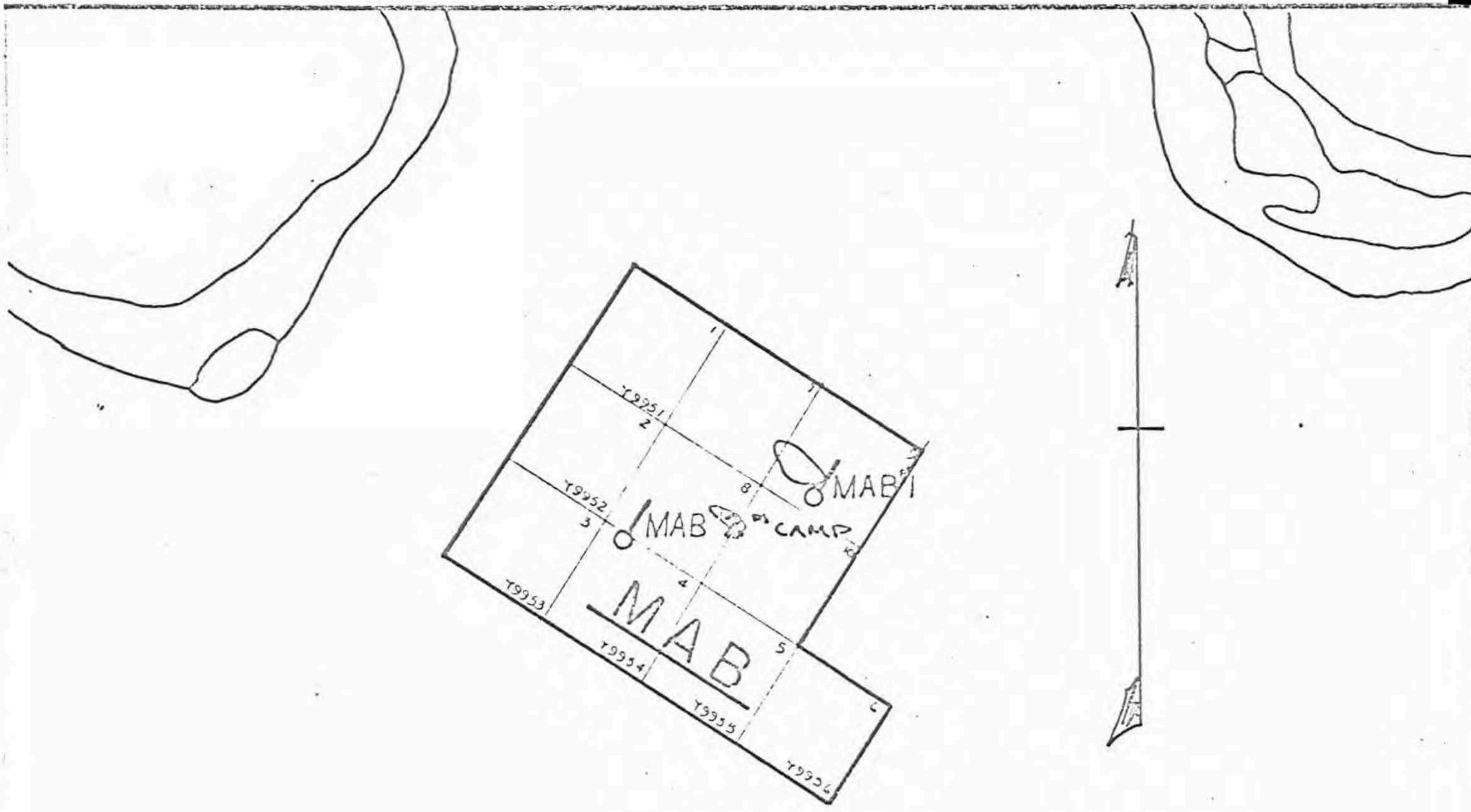
From	To	Description of Core	SLUDGE ASSAYS Footage				Sample No.	CORE ASSAYS Footage	Width	Au Ozs.	Ag Ozs.			
526	533	Argillaceous schist - quartz intruded middle grey green to black moderately chloritic at outset but becoming more argillaceous with depth. Silver grey mica development on foliation (c.a.75°)												
		533 - end of hole												



McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
MAB GROUP SECTION D.D.H. 2

DATE DRAWN: 3.10.68	SCALE: 1" = 50'
DRAWN BY:	N.T.S.

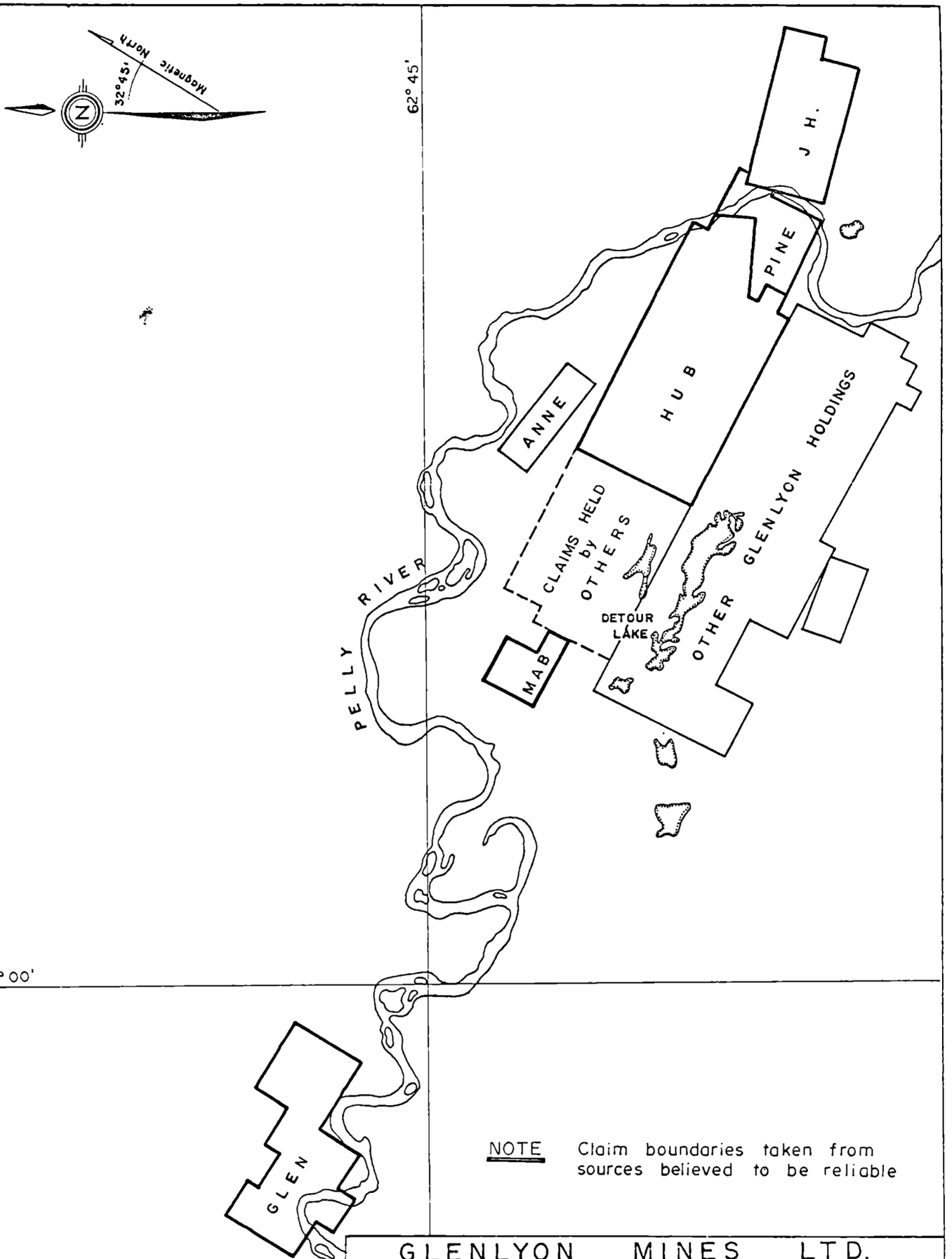


NOTE: CORE FOR HOLE MAB #2
STORED AT CAMP.

McINTYRE PORCUPINE MINES LIMITED

GLENLYON OPTION
LOCATION OF HOLE MAB #2

DATE DRAWN: NOV 26, 1968	SCALE: 1" = 1/2 mile
DRAWN BY: MacLEOD	N.T.S. 107 L 10



GLENLYON MINES LTD.

GLENLYON MINES PROPERTIES

Whitehorse M.D.—Y.T. 105 – L – 10

P H Sevensma Consultants Ltd. Vancouver, B.C.

Dwg No. Fig: 1 | July 1969. | Scale 0 2 mile

BCIL 2603 P.H.S.