

2462

REPORT ON GEOCHEMICAL SURVEY
OF MINERAL CLAIMS GARNET 1 TO 4
RECORD NUMBERS 9007 TO 9010
BOULDER CREEK
ATLIN MINING DIVISION, B.C.

for

Canadian Johns-Manville Company, Limited
Exploration Department
P.O. Box 1500
Asbestos, P.O.

Covering: Garnet Claims No. 1 to 4

Located : 1) 59°43'N, 133°25'W
2) N.T.S. Map 104N - Atlin
3) 12 Miles Northeast of Atlin,
Atlin Mining Division, B.C.

July 7, 1970

H.K. Conn, P.Eng.

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GEOCHEMICAL ASSAY RESULTS FOR SOIL SAMPLES:

1" = 200'

#1	GOLD	-	DISTRIBUTION
#2	SILVER	-	"
#3	TUNGSTEN	-	"
#4	MANGANESE	-	"
#5	TIN	-	"
#6	MOLYBDENUM	-	"
#7	NICKEL	-	"
#8	ZINC	-	"
#9	LEAD	-	"
#10	COPPER	-	"

SKETCH MAP SHOWING HISTOGRAMS FOR THE ABOVE-MENTIONED ELEMENTS

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2462 MAP

INTRODUCTION:

This report describes results of an orientation geochemical survey of Garnet mineral claims Nos. 1 to 4, Record Nos. 9007 to 9010, owned by Canadian Johns-Manville Company, Limited. The claims are located on the west side of Boulder Creek in the Atlin Mining Division, British Columbia. They are about twelve miles northeast of Atlin and 2-1/2 miles upstream from Surprise Lake.

Geographical location is 59°43'N and 133°25'W, Atlin map sheet 104N. The property can be reached by a secondary road to Surprise Lake and a rough road up the west side of Boulder Creek. Index maps form part of the geochemical maps attached to this report.

PHYSIOGRAPHY:

Relief on Boulder Creek is approximately 3,000 feet. Relief on the claim group ranges from approximately 4,000 feet at Boulder Creek to 4,700 feet at the west extremity of the claims. Boulder Creek is a typical example of the U-shaped glaciated valley. The valley strikes north-south and slopes gradually up to rounded topographic highs.

The valley floor and slopes are covered with a semi-continuous layer of glacial till, carpeted with alpine vegetation up to approximately the 4,700 contour where outcrop commences.

The development of soil under these conditions is very slow with organic A-horizon and negligible B-horizon, followed by grey glacial till and a C-horizon composed of talus fines of broken bedrock.

GEOLOGY:

The general geology of the claims is covered in a report by N.C. Aspinall of our Company, dated June 10, 1970, and filed as an assessment report.

GEOLOGY: (Cont'd)

The main intrusive rock is an alaskite body forming a north-western section of the Surprise Lake batholith of probable Tertiary age. It intrudes Cache Creek group sediments of probable Permian age. The Cache Creek rocks reported on this claim group are argillaceous quartzite, quartzite, re-crystallized limestone. A small ultrabasic body is present within the Cache Creek group in the western margin of the claims.

MINERALIZATION:

Trenching by previous claim holders reached bedrock in only three of the trenches; namely, G-3, G-24 and G-29 (see map).

A milky quartz vein is located in Trench G-6 and has an estimated width of twelve feet. Mineralization noted was wolframite, galena, and molybdenite.

GEOCHEMISTRY:

Field Methods:

The samples collected are essentially glacial till containing an admixture of talus fines.

This initial geochemical survey was designed as an orientation survey to determine which elements responded to geochemical analyses under the given physical conditions of the claim group and hence, which metals would be suitable for a future grid survey to locate extensions of the known mineralization.

The samples were collected in the base of the trenches as near as possible to bedrock, given the probability that metal accumulation is highest in the C-zone at or near the base of the glacial till. A copy of the Geochemical Soil Survey Data Field Sheets is attached. Location of the samples is shown on the attached map sheets.

GEOCHEMISTRY:

Analytical:

Thirty-six (36) samples were collected, air dried, and shipped to the Vancouver laboratories of Bondar-Clegg & Company, Limited, where they were prepared by drying at 40° to 50°C in infra-red ovens and sieved to minus 80 mesh, using eight-inch stainless steel sieves. The minus 80 mesh fraction was digested in hot aqua regia and the metals Au, Cu, Pb, Zn, Ag, Ni, Mo, Sn, Mn, and W were determined by atomic absorption and colorimetric as described below:

Description of Methods:

Analytical methods used:

Au	- Fire assay plus aqua regia	(detection limit 10 ppb)	A.A.
Ag	- Hot HNO ₃ - HCl	(detection limit 0.2 ppm)	"
Pb	- "	(detection limit 2 ppm)	"
Zn	- "	(detection limit 1 ppm)	"
Cu	- "	(detection limit 1 ppm)	"
Mo	- "		
Ni	- "	(detection limit 1 ppm)	"
Mn	- "	(detection limit 1 ppm)	"
Sn	- Am ^m onium iodide fusion	(detection limit 5 ppm)	Col.
W	- Potassium carbonate fusion	(detection limit 1 ppm)	"

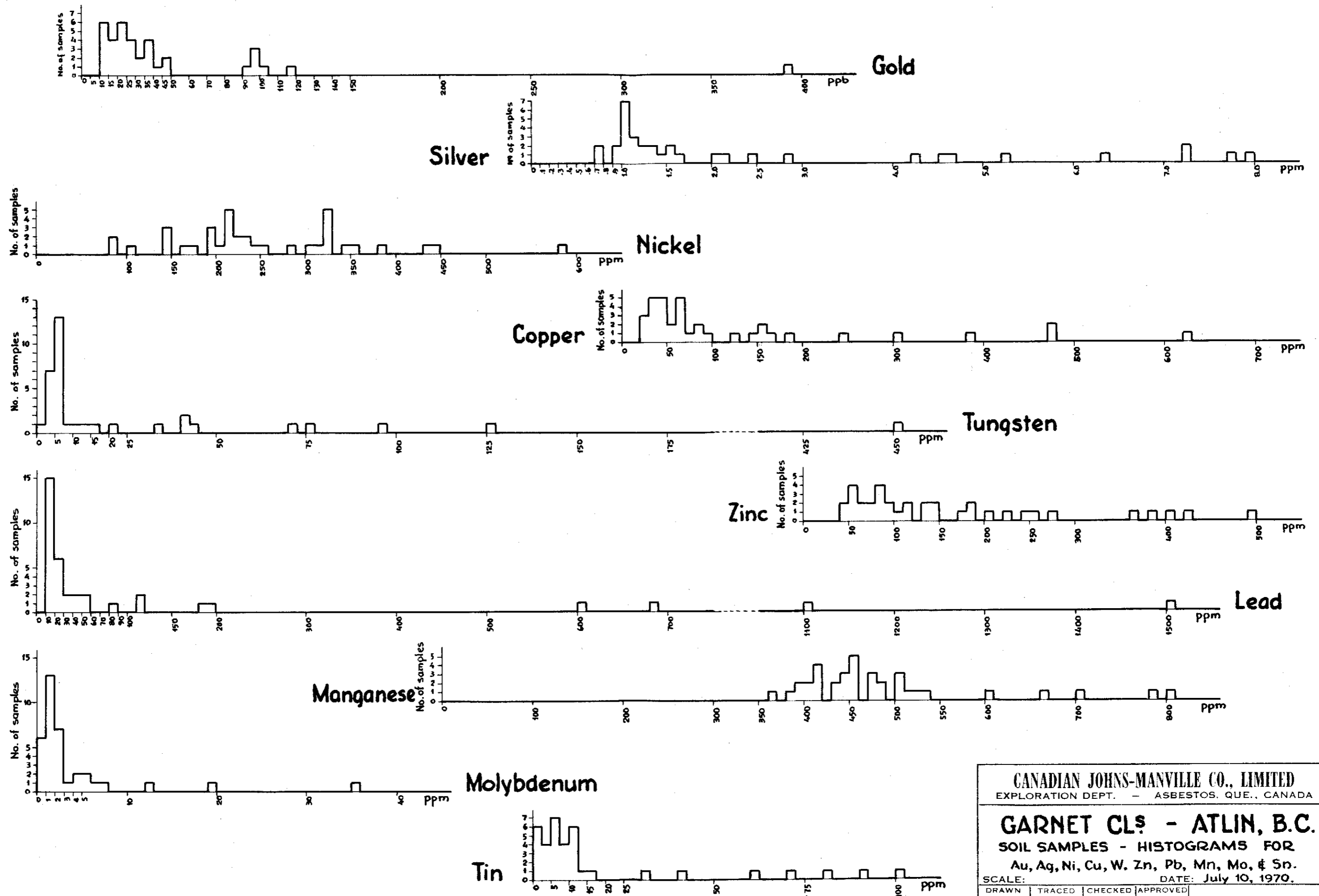
GEOCHEMISTRY:

Classification and Presentation of Data:

The analytical data were plotted on histograms for each of the metals. Profiles of the histograms are attached. Manganese and copper show normal distribution profiles. The other metals are skewed.

The small number of samples and their heterogeneity in terms of mineralization do not justify precise mathematical analysis. Hence the relative skewness was not determined. If it were high, transformation of the data to logs for simplicity in analysis would be desirable.

The analyses were also subjected to a computer program to determine the arithmetic means and the standard deviation for each metal, assuming normal distribution. Obvious erratic values were discarded. The results of the computer program are shown on the individual map sheets for each metal.



CANADIAN JOHNS-MANVILLE CO., LIMITED
 EXPLORATION DEPT. - ASBESTOS, QUE., CANADA

GARNET CLS - ATLIN, B.C.
 SOIL SAMPLES - HISTOGRAMS FOR
 Au, Ag, Ni, Cu, W, Zn, Pb, Mn, Mo, & Sn.

SCALE: _____ DATE: July 10, 1970.

DRAWN	TRACED	CHECKED	APPROVED
A.T.			

GEOCHEMISTRY:

Interpretation of Data:

Since data collected are essentially in the vicinity of a base line over a length of some 3,000 feet, the results can be best described in terms of trench areas defined by groups of the sample stations.

Trench Area No. 1:

This trench area is defined by Stations G-1 to G-10 inclusive. Quartz-rich alaskite is exposed in Trench G-3 and a mineralized massive white quartz vein in Trench G-6 of this complex. The estimated strike of the vein is 035° and quartz fragments in Trenches G-1 and G-3 suggest it underlies these sections.

This trench area is possibly to strongly anomalous in all metals, with the exception of Ni; namely, Cu, Mo, Pb, Zn, Ag, Ni, W, Sn, Mn, and Au. The metal content of the quartz vein is expressed by a strongly anomalous Cu, Mo, Pb, W and Sn and anomalous to probably anomalous Ag and Au. The trench section G-1, probable extension of the vein system, is strongly anomalous in Mo, Pb, Au and W.

The northwestern arms of the main trench containing Samples G-2, G-7, and G-8 are background for all metals with the exception of gold, which is probably to definitely anomalous in G-7 and G-8. These data suggest possible contamination of the samples from the high gold values at adjoining Station G-1.

Trench Area No. 2:

This trench area is defined as including the trenches and geochemical stations G-11 to G-21, and extending south of trench area No. 1 for a distance of some 1,100 feet along the baseline. This trench area No. 2 in general displays background metal values with the exception of manganese.

GEOCHEMISTRY:

Interpretation of Data:

Trench Area No. 2: (Cont'd)

Station G-17 is possibly anomalous in copper, molybdenum, zinc, silver, manganese, and gold. Since soil and groundwater trend west to east down slope at almost right angles to the base line, these possibly anomalous values at G-17 may indicate an up-slope source of metals. This interpretation corresponds well with the probable southwest extension of the mineralized quartz vein at Station G-6 to the north. The probable anomalous value for Au in Trench G-20 is regarded as an erratic.

Trench Area No. 3:

Trench area No. 3 is defined as the area containing stations G-36, G-22 to G-28 inclusive and G-35. It extends southward from Trench area No. 2 for about 700 feet along the base line. This trench area extends across the presumed alaskite-Cache Creek contact and includes a section immediately down slope from two old diamond drill holes. Contamination from cuttings and fines of the drill holes is an immediate possibility. If this is the case, some appreciation of the metal distribution in the drill holes is indicated from the geochemical analyses.

This trench area No. 3 contains probably to definitely anomalous values in copper, zinc, silver, tungsten, tin and manganese. Gold is negligible. Molybdenum and lead show possibly anomalous values in the gossan zone at Station G-25. The nickel values are all considered to be transported from material up-slope derived from outcrops of serpentized ultrabasic rocks. Such rocks normally have nickel contents of up to 2,200 ppm and frequently show stream sediment anomalies of the order of 400 ppm. Significant values are copper, zinc, and silver.

GEOCHEMISTRY:

Interpretation of Data:

Trench Area No. 3: (Cont'd)

Drill core in this vicinity is reported to contain massive pyrite and pyrrhotite.

Trench Area No. 4:

This zone comprises the area along the base line south of trench area No. 3 for a distance of about 1,200 feet and includes geochemical stations G-28 to G-34 inclusive.

Definitely anomalous values of copper are shown at Station G-23 with possibly anomalous values in manganese. This leads to the suspicion that manganese acted as a scavenging agent.

Possible lead, zinc, silver, and tungsten values are present primarily in Stations 29 and 30. Visible tungsten (wolframite?) is reported in a drill hole several hundred feet west of Station G-29.

CONCLUSIONS:

1. A series of soil and very local stream sediment (rill) samples taken at and near the base of the glacial till on Garnet claims in the Boulder Creek area indicate significant contents of metals related to:
 - (a) mineralized veins within the alaskite, and
 - (b) limonite-rich shear zones near the alaskite contact with the Cache Creek rocks
2. The most favorable zone from geochemical results is trench area No. 1 within the alaskite where strongly anomalous values in copper, molybdenum, lead, tungsten, tin and gold are present, as well as definitely anomalous values in zinc and silver.

CONCLUSIONS:

3. The second favorable area is the alaskite-Cache Creek contact where definite to probable anomalous values in copper, zinc, silver, tungsten, and tin are present.

4. The limited number of samples analyzed (36) could be expected to provide a poor statistical base in an unknown area. However, extensive geochemical sampling of stream sediments and talus fines by Canadian Johns-Manville Company, Limited in 1968 and 1969 indicates that the values obtained on the Garnet claims are generally reasonable values and part of the larger combined population.

Examples:

	<u>Stream Sediments</u> <u>Ruby Creek-Boulder Creek</u>		<u>Garnet Claims</u> <u>Base of the Glacial</u> <u>Till and "Rills"</u>
Mo	0- 4 Greater than 12	Negative Definitely anomalous	0- 3 Greater than 12
Cu	0- 80 Greater than 160	Negative Definitely anomalous	0-130 Greater than 423
Pb	0- 75 Greater than 150	Negative Definitely anomalous	0- 78 Greater than 379
Zn	0-200 Greater than 600	Negative Definitely anomalous	0-162 Greater than 404
Ag	0-1.5 Greater than 3.0	Negative Definitely anomalous	0-2.5 Greater than 7.1

5. Molybdenum and tungsten values roughly coincide in trench area No. 1 within the alaskite. The same association is not indicated on the Cache Creek sediments.

The analytical methods used for tin are less sensitive than those for molybdenum and tungsten.

CONCLUSIONS: (Cont'd)

Tin values should be used only as a general guide to further work. Absolute mean tin values in the soil are very low. The average for felsitic igneous rocks is 45 ppm.

The higher mean values of certain of the metals on the Garnet claims as compared with the Ruby Creek-Boulder Creek stream sediment surveys, referred to above, are the result of different local populations, i.e. locally mineralized basal glacial till as opposed to stream sediments.

RECOMMENDATIONS:

A geochemical survey on rectangular grid at an initial spacing of 400 feet should locate the general trend of the mineralized extensions. Further detailed surveys around any anomalous stations, with confirmation of anomalous results, will justify trenching to locate mineralization in situ.

The base of the glacial till probably contains a mixture of "C" zone and talus fines. This horizon is recommended for future geochemical sampling. A long soil auger or post-hole digger with extendible handle, suitable for 10-foot holes, would seem most suitable to test this horizon on these claims.

SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSES

The attached spectrographic analyses were made on duplicate samples from geochemical stations G-1, G-24, G-25, and G-26. A direct comparison with the geochemical samples from equivalent stations is not practical, since the latter represent only the minus 80 mesh fraction.

TO:

Canadian John Manville Co.,
P.O. Box 1500,
Asbestos, Quebec.
CC
Mr. Clive Aspinall,
Box 69,
Atlin, B.C.



COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA



PHONE: (604) 876-4111
TELEX: 0353
CABLE ADDRESS:
ELDRICO

FILE NO. 468-11935

DATE June 25th, 1970

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

GARNET CLAIMS

We Hereby Certify that the following are the results of semi quantitative spectrographic analyses made on ORE samples submitted.

SAMPLE IDENTIFICATION	Al	Sb	As	Ba	Bc	Bi	B	Cd	Ca	Cr	Co	Cu	Ga	Au	Fe
G-1- 5087B	2.0	ND	ND	<0.01	<0.001	0.01	<0.001	ND	1.0	<0.001	ND	0.02	ND	ND	2.0
G-24-5088B	1.0	ND	ND	<0.01	<0.001	ND	<0.001	ND	Major	<0.001	0.003	*	0.005	trace	Major
G-25-5090B	Major	ND	ND	*	ND	ND	<0.001	ND	Major	0.005	0.005	0.007	ND	trace	Major
G-26-5089B	Major	ND	ND	*	<0.001	ND	<0.001	ND	Major	0.01	0.005	0.01	ND	trace	Major
SAMPLE IDENTIFICATION	Pb	Mg	Mn	Mo	Nb	Ni	Si	Ag	Sr	Na	Sn	Ti	W	V	Zn
G-1-5087B	0.1	0.5	0.03	<0.001	ND	<0.001	Major	0.005	<0.001	ND	0.01	0.2	ND	0.01	<0.1
G-24-5088B	0.01	1.0	*	0.03	ND	<0.001	2.0	<0.001	0.005	ND	0.03	0.1	ND	0.01	<0.1
G-25-5090B	<0.01	Major	*	<0.001	ND	0.003	Major	<0.001	0.01	*	<0.01	0.7	ND	0.01	ND
G-26-5089B	<0.01	Major	*	<0.001	ND	0.005	Major	<0.001	0.03	*	<0.01	>0.7	ND	0.01	<0.1

All results expressed as percent by weight

Note: Rejects retained one week.

Pulps retained one month.

Major: above normal spectrographic range COAST ELDRIDGE PROFESSIONAL SERVICES DIVISION

* : greater than 0.1 percent

ND: not detected

<: Less than >: More than

Suggest fire-assay for gold if analysis is critical.

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CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT
OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

APPENDIX I

Blungh
Supervisor, Spectrographic Dept.

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR P. NICHOLSON PROJECT 60 WEATHER CLOUDY - RAIN.
 DATE 3 JUNE 1970 AREA BOWLER CREEK (ATLIN) PHYSIOGRAPHY MOUNTAINOUS

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL					
G-1		→	G.T.		MOD. OXIDISED	FINE	SOME MANGANESE IN QUARTZ ROCKS OXIDISED						
G-2		→	G.T.		OXIDISED	FINE	SLIGHTLY OXIDISED NO. QUARTZ						
G-3		→	G.T.		SLIGHTLY OXIDISED	FINE	QUARTZ WITH MANGANESE, SLIGHTLY OXIDISED						
G-4		→	G.T.		SLIGHTLY OXIDISED	FINE	TAKEN FROM DEEP. MANGANESE IN QUARTZ.						
G-5		→	G.T.		SLIGHTLY OXIDISED	FINE	QUARTZ WITH LEAD-SILVER + MANGANESE.						
G-6		→	G.T.		MODERATELY OXIDISED	FINE	MUCH QUARTZ WITH MANGANESE						
G-7		→	G.T.		BROWN	FINE	MOSTLY O.B. NO. QUARTZ.						
G-8		→	G.T.		BROWN	FINE	O.B. NO. QUARTZ.						
G-9		→	G.T.		BROWN	FINE	O.B. NO. QUARTZ.						
G-10.		→	G.T.		BROWN	FINE.	O.B. NO. QUARTZ.						
		—											

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR P. NICHOLSON

 PROJECT 60

 WEATHER CLOUDY - SUNNY

 DATE 4 JUNE 1970

 AREA BOULDER CREEK (ATLIN)

 PHYSIOGRAPHY MOUNTAINOUS.

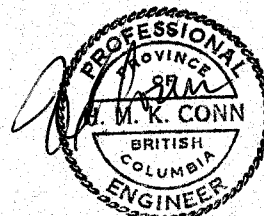
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL					
G-11		→	G.T.		BROWN	FINE	NO QUARTZ, GREAT ASSORTMENT OF OTHER ROCKS.						
G-12		→	G.T.		BROWN	FINE	MOSTLY O.B., NO QUARTZ						
G-13		→	G.T.		BROWN	FINE	MOSTLY O.B., NO QUARTZ						
G-14		→	G.T.		BROWN	FINE	MOSTLY O.B. BOUNCES OF GRANITE						
G-15		→	G.T.		BROWN	FINE	MOSTLY O.B.						
G-16		→	G.T.		BROWN	FINE	SAMPLE TAKEN FROM STREAM IN TRENCH						
G-17		→	G.T.		BROWN	FINE	SAMPLE TAKEN AT EDGE, STREAM IN TRENCH						
G-18		→	G.T.		BROWN	FINE	SAMPLE FROM HEAD OF POOL AT EDGE, STREAM						
G-19		→	G.T.		BROWN	FINE	O.B., WATER SEEPING DOWN TRENCH						
G-20		→	G.T.		BROWN	FINE	O.B., WATER SEEPING DOWN TRENCH						
G-21		→	G.T.		BROWN	FINE	LONG TRENCH, SEEPING WATER, O.B.						
G-22		→	G.T.		BROWN	FINE	SLIGHTLY OXIDISED AT BASE, SEEPING WATER.						
G-23		→	G.T.		OXIDISED	FINE	WEATHERED, RED EARTH.						
G-24		→	G.T.		HIGHLY OXIDISED	FINE	SAMPLE TAKEN ABOVE D.D. HOLE.						
G-25		→	G.T.		OXIDISED	FINE	D.D. HOLE ABOVE, STREAM IN TRENCH.						
G-26		→	G.T.		SLIGHTLY OXIDISED	FINE	STREAM SAMPLE IN TRENCH.						
G-27		→	G.T.		BROWN	FINE	MOSTLY O.B.						
G-28		→	G.T.		BROWN	FINE	SAMPLE FROM HEAD OF POOL AT BASE, STREAM.						
G-29		→	G.T.		OXIDISED	FINE	D.D. HOLE ABOVE, STREAM IN TRENCH.						
G-30		→	G.T.		BROWN	FINE	SEEPAGE DOWN TRENCH, SOME RED EARTH						
G-31		→	G.T.		BROWN	FINE	STREAM SAMPLE.						
G-32		→	G.T.		BROWN	FINE	STREAM SAMPLE.						
G-33		→	G.T.		BROWN	FINE	SAMPLE FROM EDGE OF STREAM						
G-34		→	G.T.		BROWN	FINE	SAMPLE TAKEN FROM EDGE OF STREAM						
G-35		→	G.T.		BROWN	FINE	SAMPLE TAKEN FROM EDGE OF STREAM.						

STATEMENT OF QUALIFICATIONS

I, Herbert Keith Conn, of the town of Asbestos, Quebec, do hereby declare that:

- (1) I am a mining geological engineer employed as Exploration Manager for Canadian Johns-Manville Company, Limited, P.O. Box 1500, Asbestos, Quebec.
- (2) I have practised in the geological profession for 21 years and specialized in economic geology and exploration procedures for the past 20 years.
- (3) I am a graduate of the University of Toronto, Toronto, Ontario with the degree of B.A.Sc. (Mining Geology), 1948.
- (4) I am a member of the following professional associations:
 - (a) Corporation of Engineers of Quebec
 - (b) Non-resident member of the Association of Professional Engineers of the Province of British Columbia
 - (c) Fellow of the Geological Association of Canada
 - (d) Fellow of the Society of Economic Geologists
 - (e) Member of the Canadian Institute of Mining and Metallurgy
 - (f) Member of the American Institute of Mining Engineers
- (5) This report is based on published and unpublished information and personal observations on the property.

June 1970



H.K. Conn

Expiry Date: Jan. 28, 1971

STATEMENT OF COSTS

P. NICHOLSON
N.C. ASPINALL

JUNE 3-5, 1970

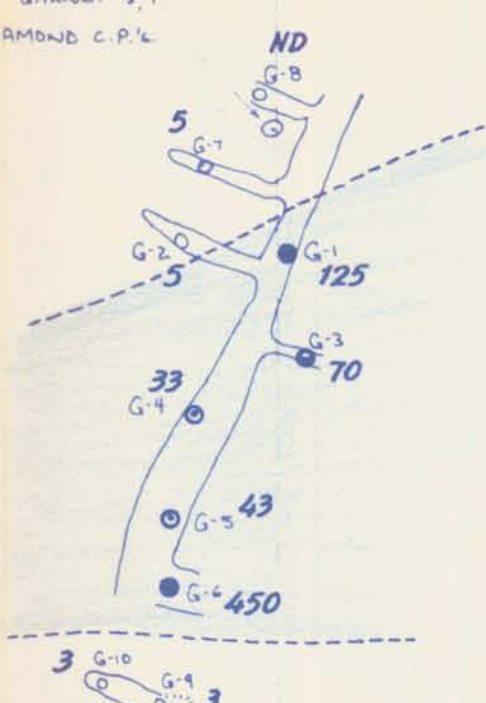
Four days soil sampling and prospecting @ \$17 per day	\$ 68.00
One day soil sampling preparation @ \$17 per day	17.00
Field expenses - Two men @ \$10 per day - two days	40.00
Preparation of maps and report	200.00
Geochemical analyses - Thirty-six samples for Cu, Mo, Pb, Zn, Sn, Zn, Mn, Ni, W	300.00
Semi-quantitative spectrographic analysis of four rock samples	60.00
TOTAL	\$ 685.00

NOTE:

These expenditures are part of the total Statement of Costs contained in "Report on Geological Mapping of Mineral Claims Garnet 1-4, Record 9007-9010, Boulder Creek, Atlin Mining Division, British Columbia" by N.C. Aspinall - June 10, 1970

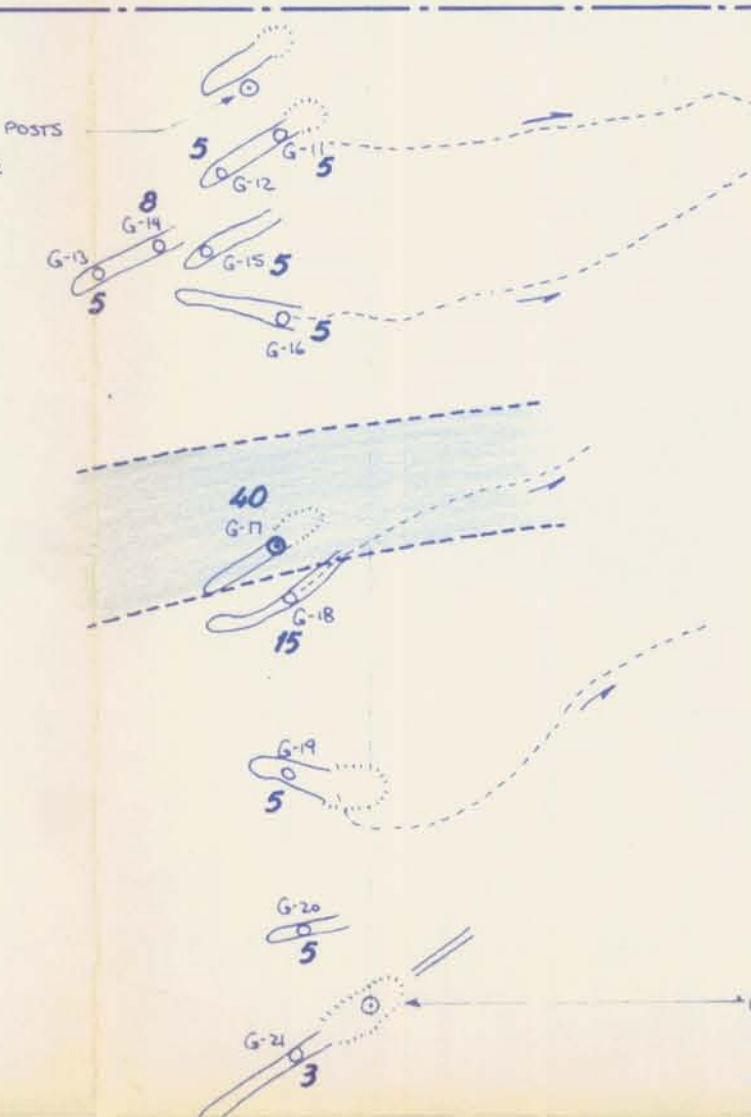
FINAL CLAIM POST GARNET 3,4
ALSO OLD SILVER DIAMOND C.P.L.

TRENCH AREA #1



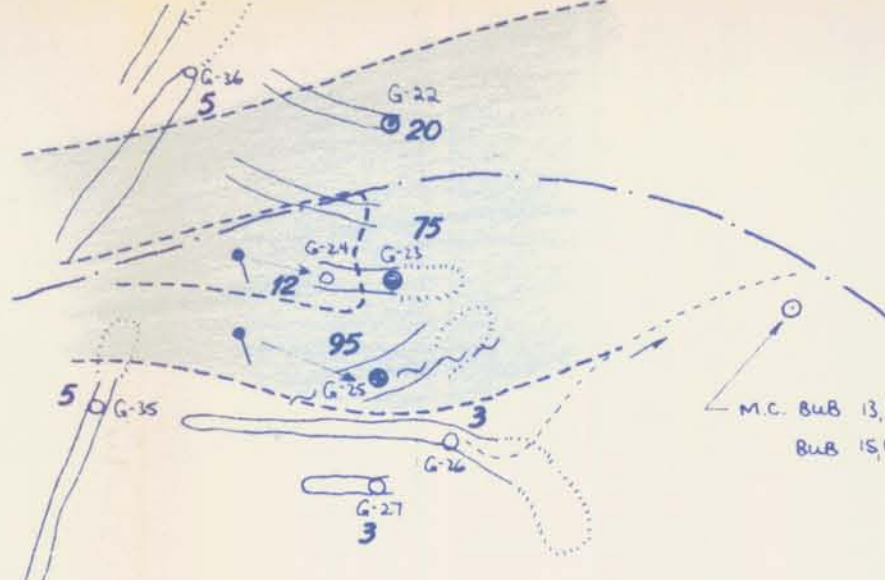
OLD CLAIM POSTS
Hobs 141, 142

TRENCH AREA #2

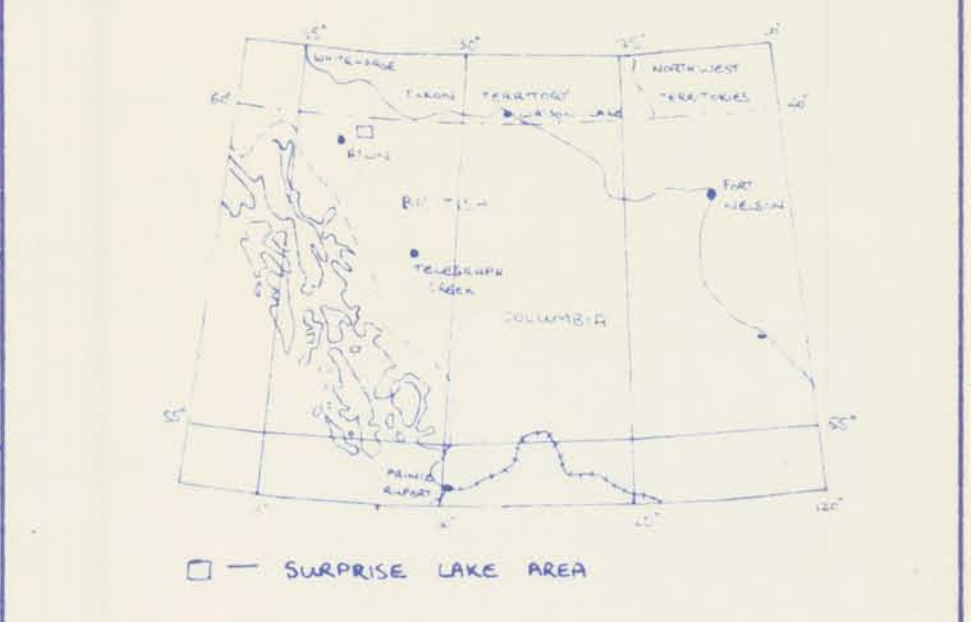
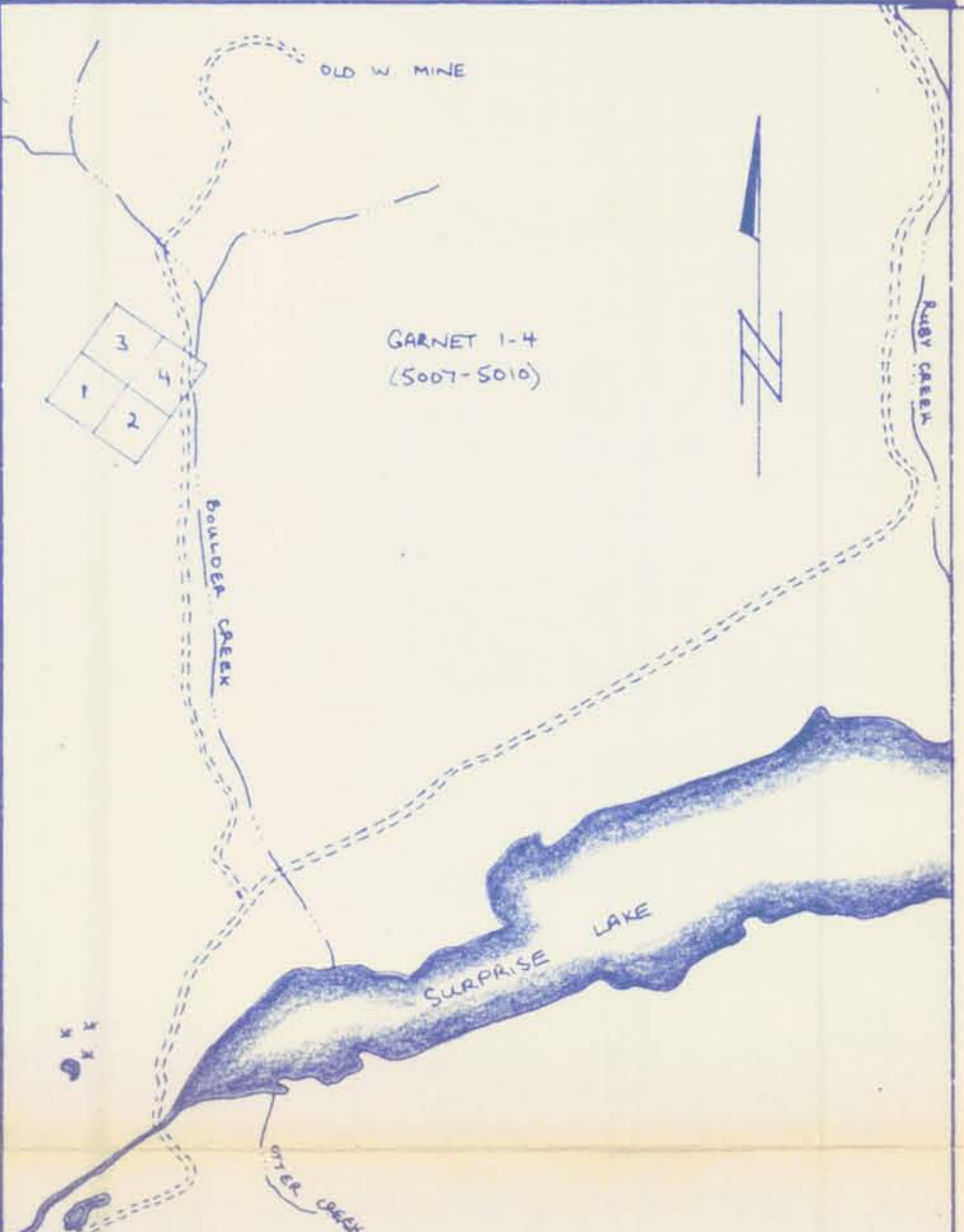
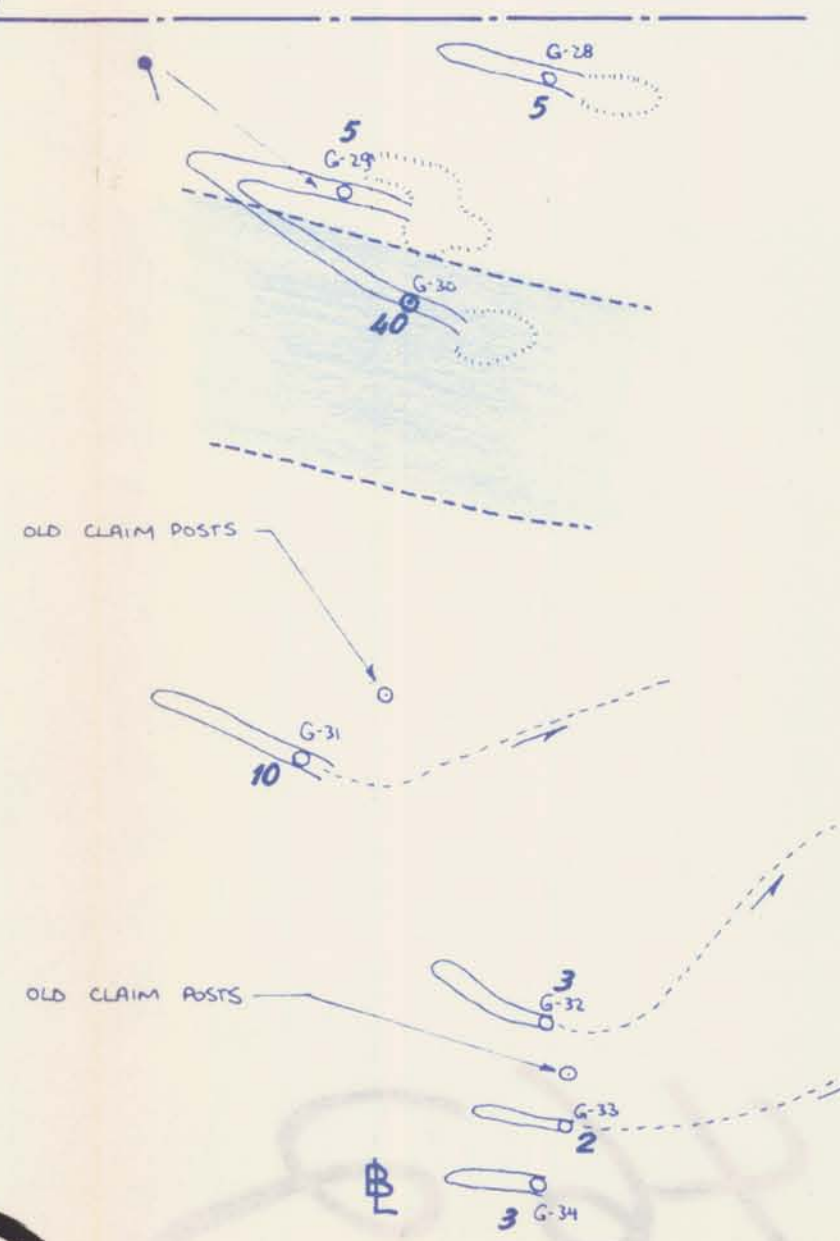


GARNET CLAIM POST (CAIRN)
I.P. GARNET 3,4
F.P. GARNET 1,2

TRENCH AREA #3



TRENCH AREA #4



SYMBOLS:

TRENCH WITH GEOCHEM SOIL No.	
TRENCH FILL	
ASSUMED GEOLOGICAL CONTACT	
CREEK	
CREEK BANK	
ROAD	
TELEPHONE LINE	
DIAMOND DRILL HOLE	
FRACTURE	
CLAIM POST	

W DISTRIBUTION

CANADIAN JOHNS-MANVILLE Co. LTD.
ATLIN, BRITISH COLUMBIA.

TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s GARNET 1-4, ATLIN M.D.

SCALE 1:200' PRST. 60 DATE: 17/4/76 DRAWN: P.N.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP **#3**

TUNGSTEN - 35^o SOIL SAMPLES.
 $\bar{x} = 19$ ppm. $s = 30$ ppm.

Values	Interpretation	Symbols
0 - 19	Negative	○
20 - 49	Poss. Anom.	⊙
50 - 79	Prob. Anom.	⊗
80 - 109	Anomalous	⊕
110+	Strongly Anom.	⊙

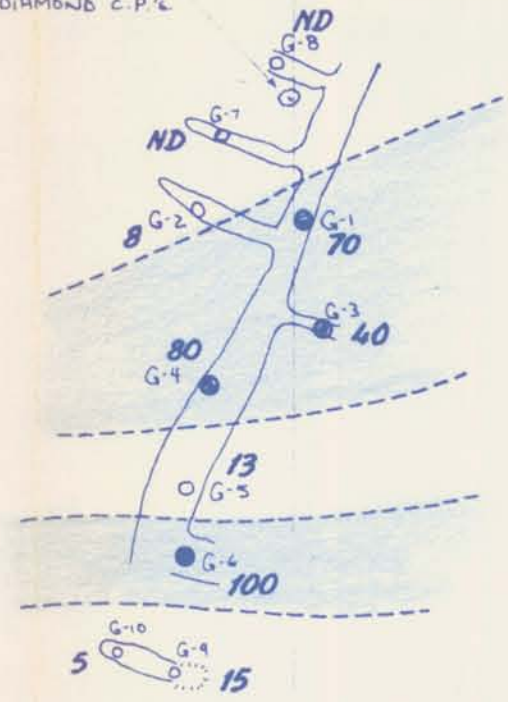
*1 high erratic value excluded.

2462

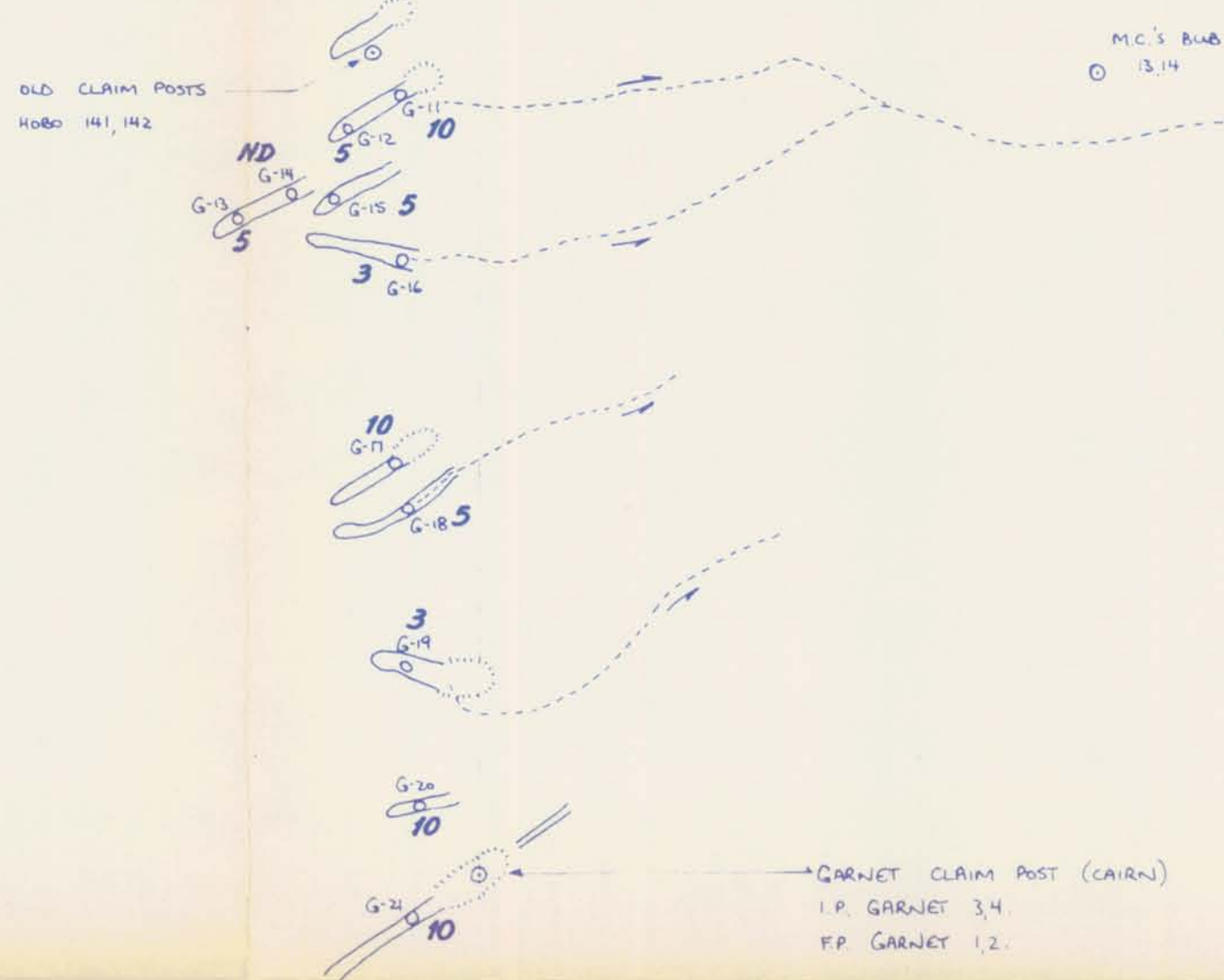


FINAL CLAIM POST GARNET 3,4.
ALSO OLD SILVER DIAMOND C.P.'s

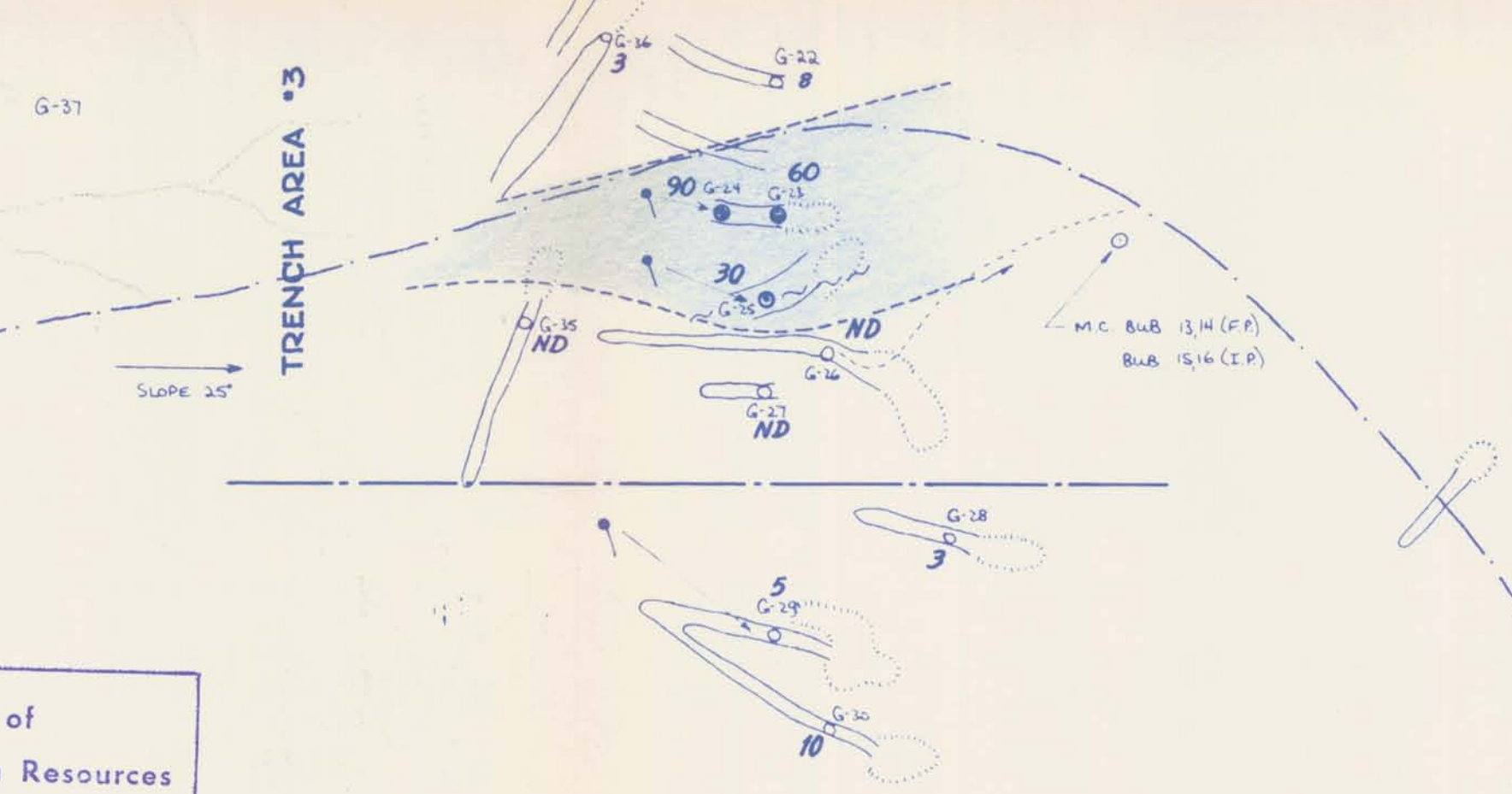
TRENCH AREA #1



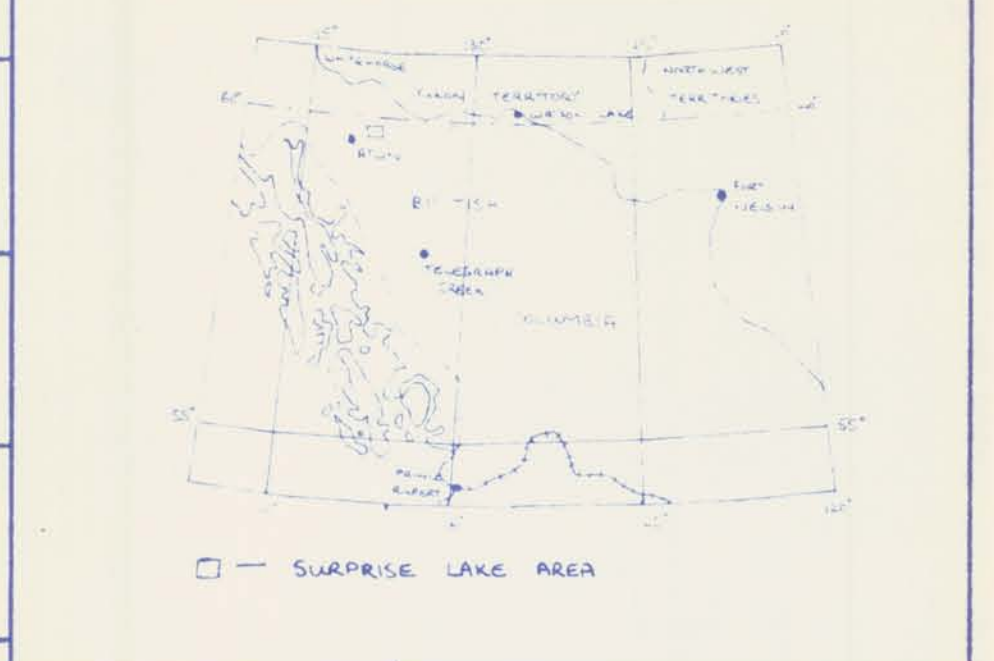
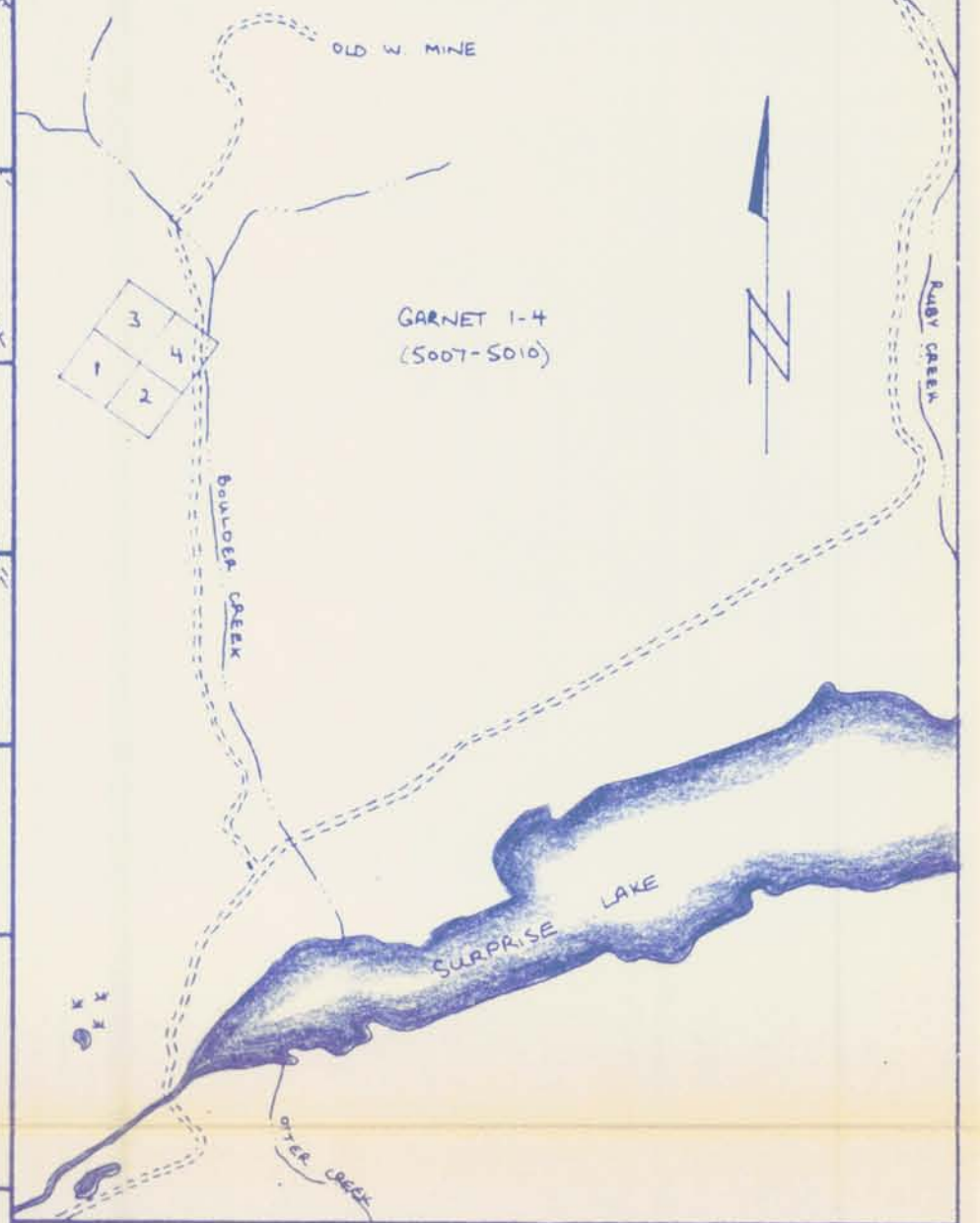
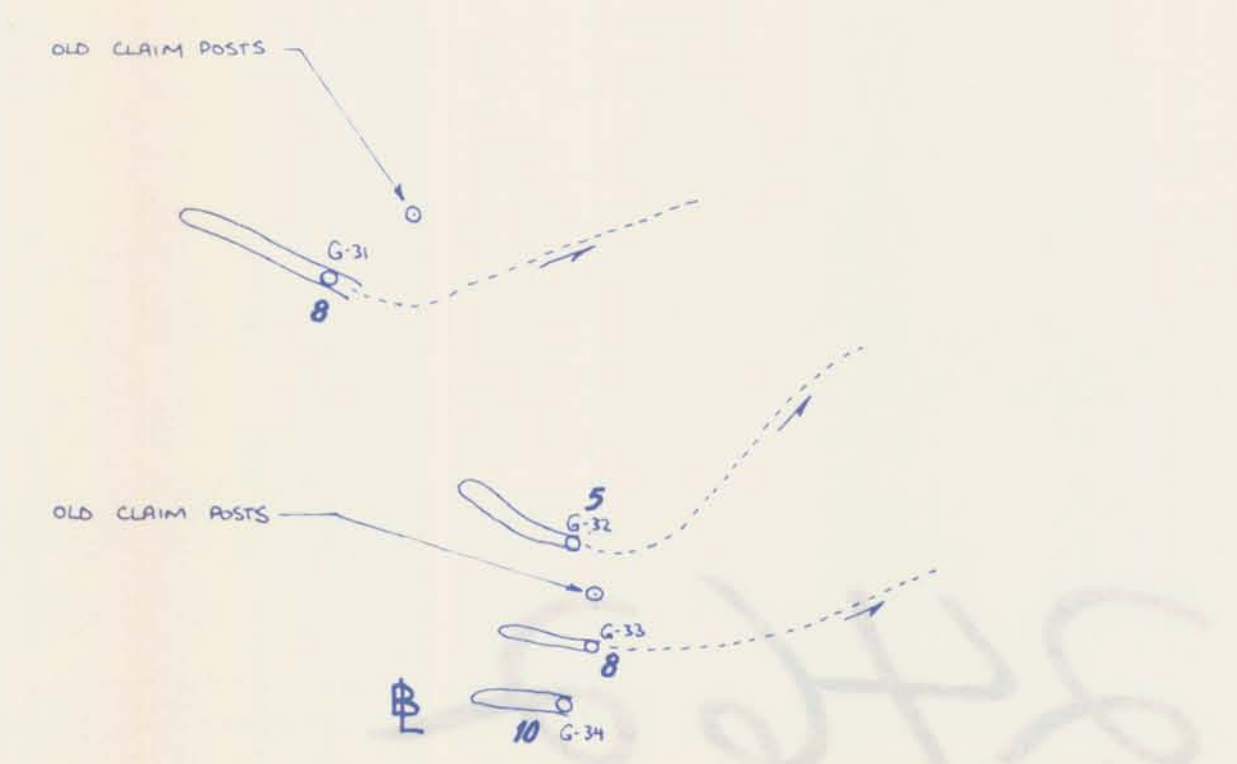
TRENCH AREA #2



TRENCH AREA #3



TRENCH AREA #4



SYMBOLS:

TRENCH WITH GEOCHEM SOIL No.	
TRENCH FILL	
ASSUMED GEOLOGICAL CONTACT	
CREEK	
CREEK BANK	
ROAD	
TELEPHONE LINE	
DIAMOND DRILL HOLE	
RACTURE	
CLAIM POST	

Sn DISTRIBUTION

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ATLIN, BRITISH COLUMBIA.

TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s GARNET 1-4, ATLIN M.D.

SCALE: 1:200 | PROT: 60 | DATE: 17/4/70 | DRAWN: P.N.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP #5

TIN - 36 SOIL SAMPLES.
X = 18 ppm. S = 27 ppm.

Values	Interpretation	Symbols
0 - 18	Negative	○
19 - 45	Poss. Anom.	◉
46 - 72	Prob. Anom.	●
73 - 99	Anomalous	⦿
100+	Strongly Anom.	●

2462



FINAL CLAIM POST GARNET 3,4.
ALSO OLD SILVER DIAMOND C.P.L.

TRENCH AREA #1

TRENCH AREA #2

TRENCH AREA #3

TRENCH AREA #4

OLD CLAIM POSTS
Hobo 141, 142

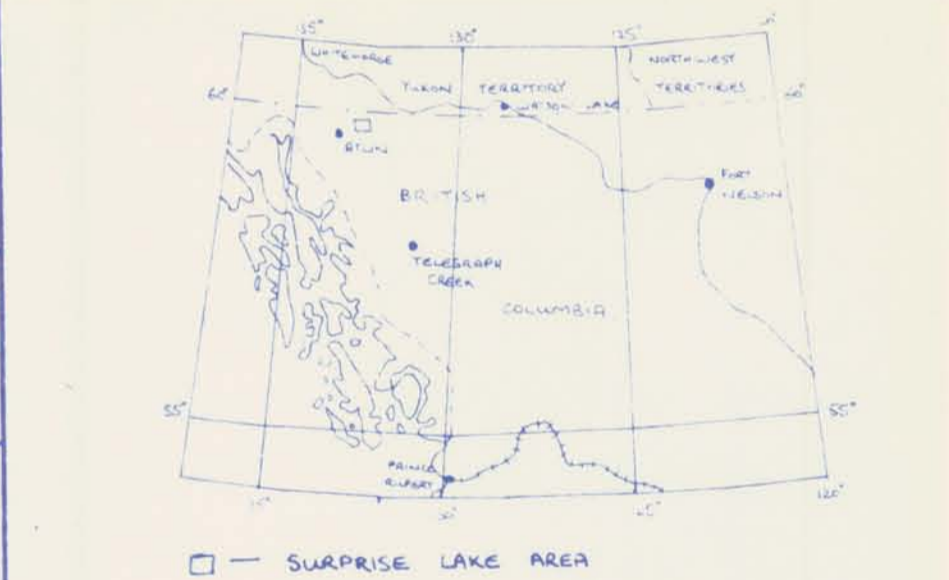
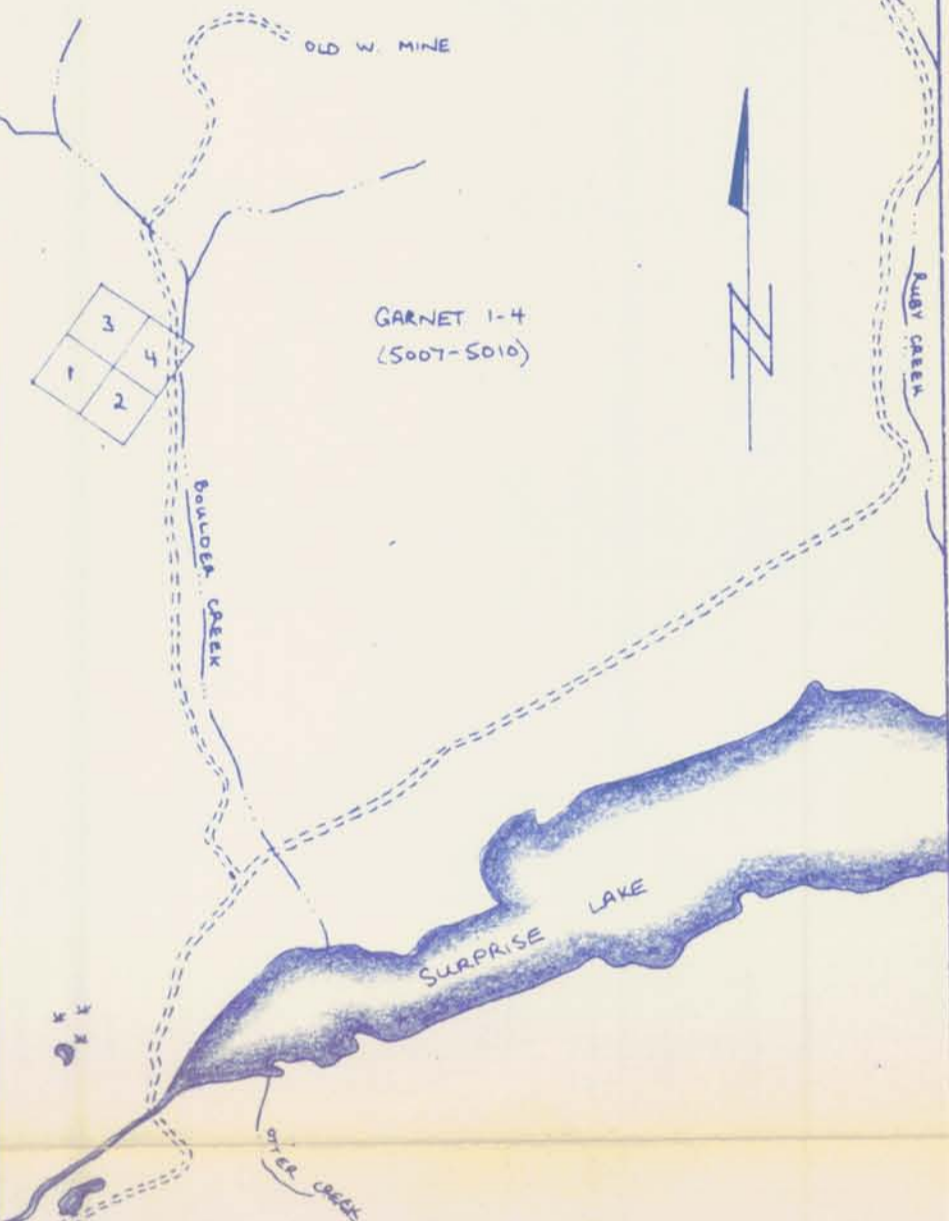
GARNET CLAIM POST (CAIRN)
I.P. GARNET 3,4.
F.P. GARNET 1,2.

M.C. BUB 13,14 (F.P.)
BUB 15,16 (I.P.)

OLD CLAIM POSTS

OLD CLAIM POSTS

0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+66
20+66
22+66
24+66
26+66



SYMBOLS:

- TRENCH WITH GEOCHEM SOIL No.
- TRENCH FILL
- ASSUMED GEOLOGICAL CONTACT
- CREEK
- CREEK BANK
- ROAD
- TELEPHONE LINE
- DIAMOND DRILL HOLE
- RACTURE
- CLAIM POST

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TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s, GARNET 1-4, ATLIN M.D.
SCALE 1:200' PROT: 60 DATE: 17/4/70 DRAWN: P.N.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP #10

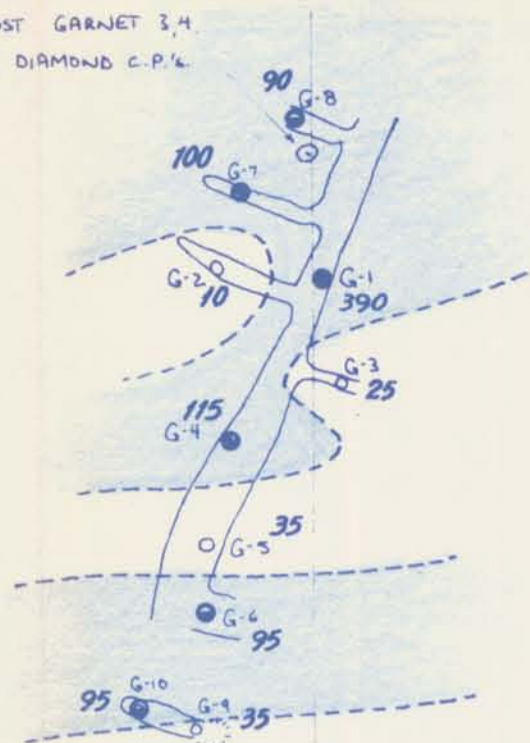
COPPER - 36 SOIL SAMPLES.
 \bar{x} = 130 ppm. s = 146 ppm.

Values	Interpretation	Symbols.
0 - 130	Negative	○
131 - 276	Poss. Anom.	◐
277 - 422	Prob. Anom.	◑
423 - 568	Anomalous	◒
569 +	Strongly Anom.	●

2462

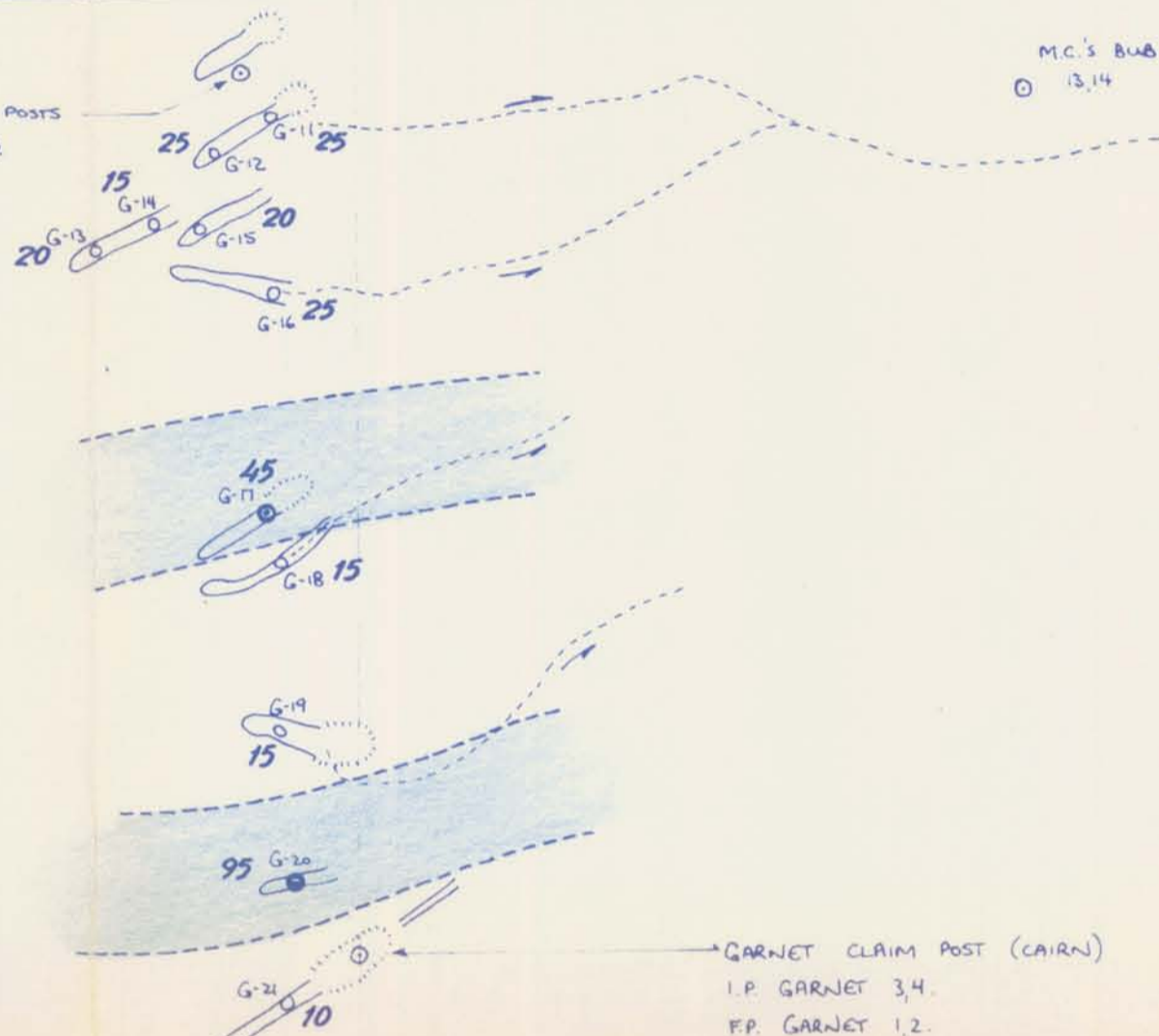
FINAL CLAIM POST GARNET 3,4.
ALSO OLD SILVER DIAMOND C.P.'s

TRENCH AREA #1



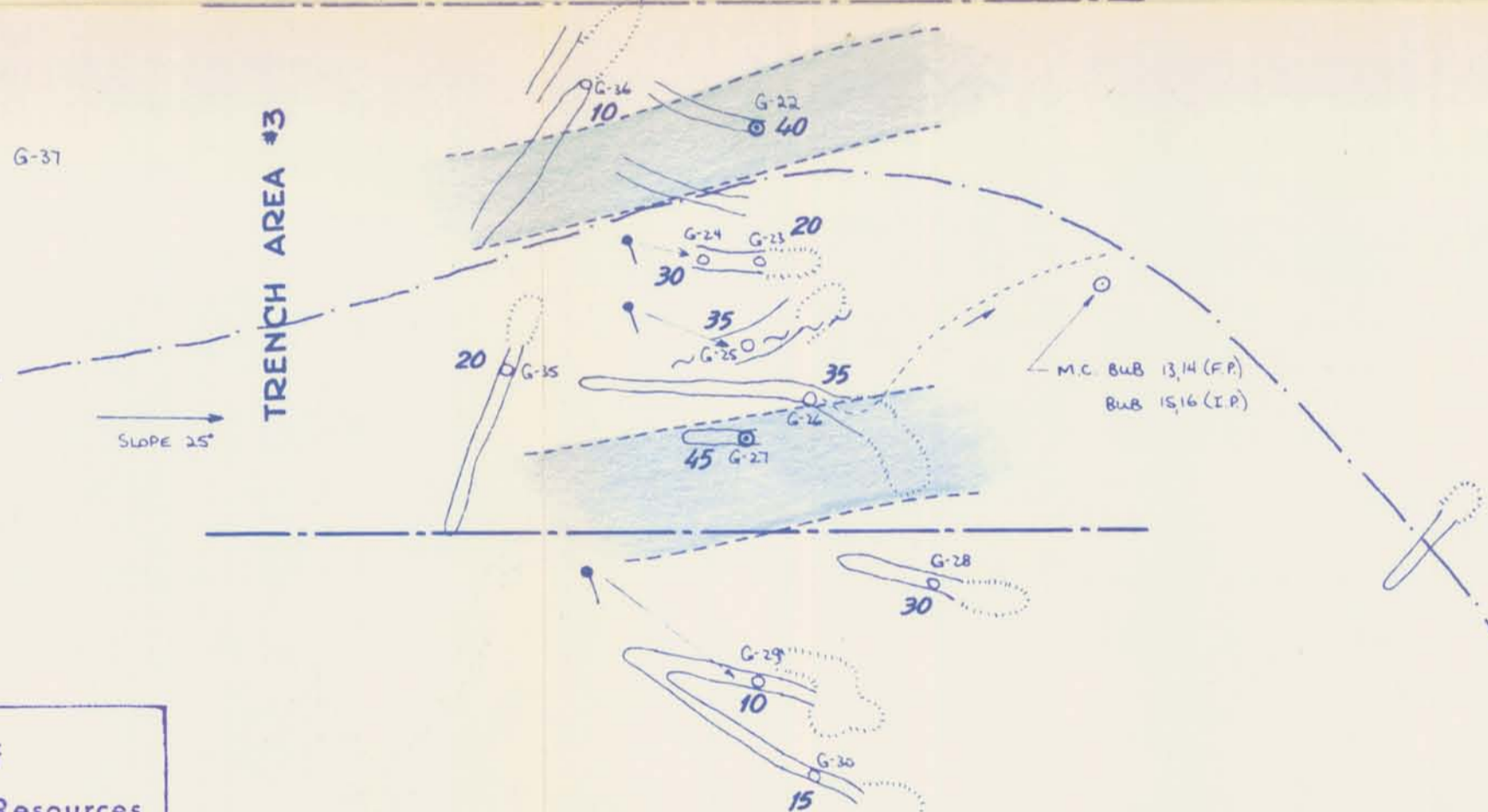
OLD CLAIM POSTS
HOBBS 141, 142

TRENCH AREA #2



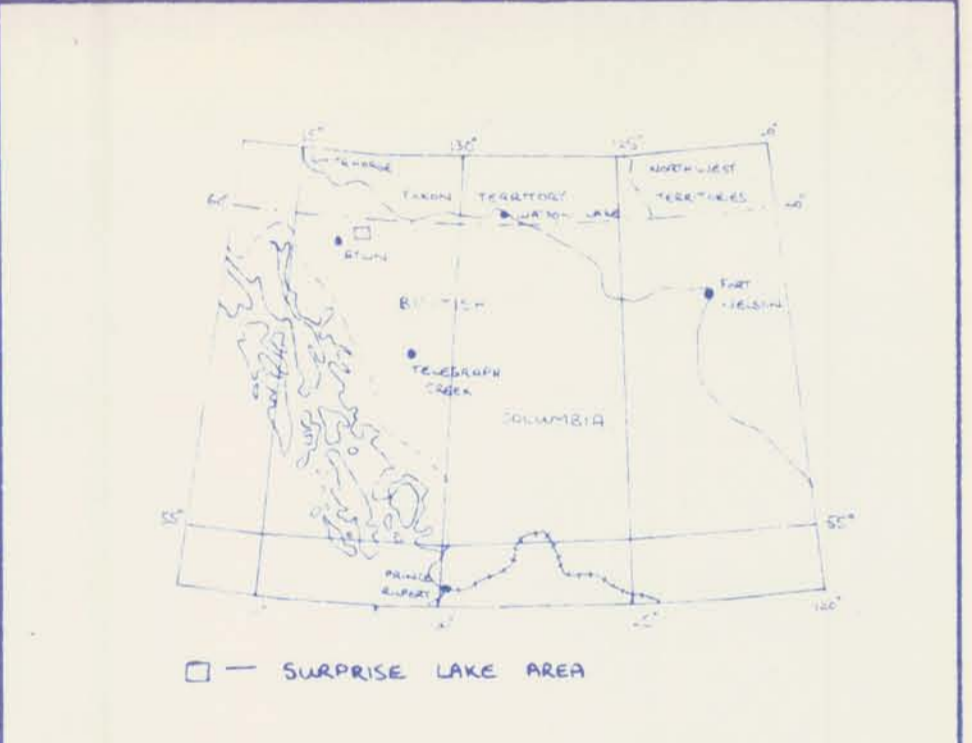
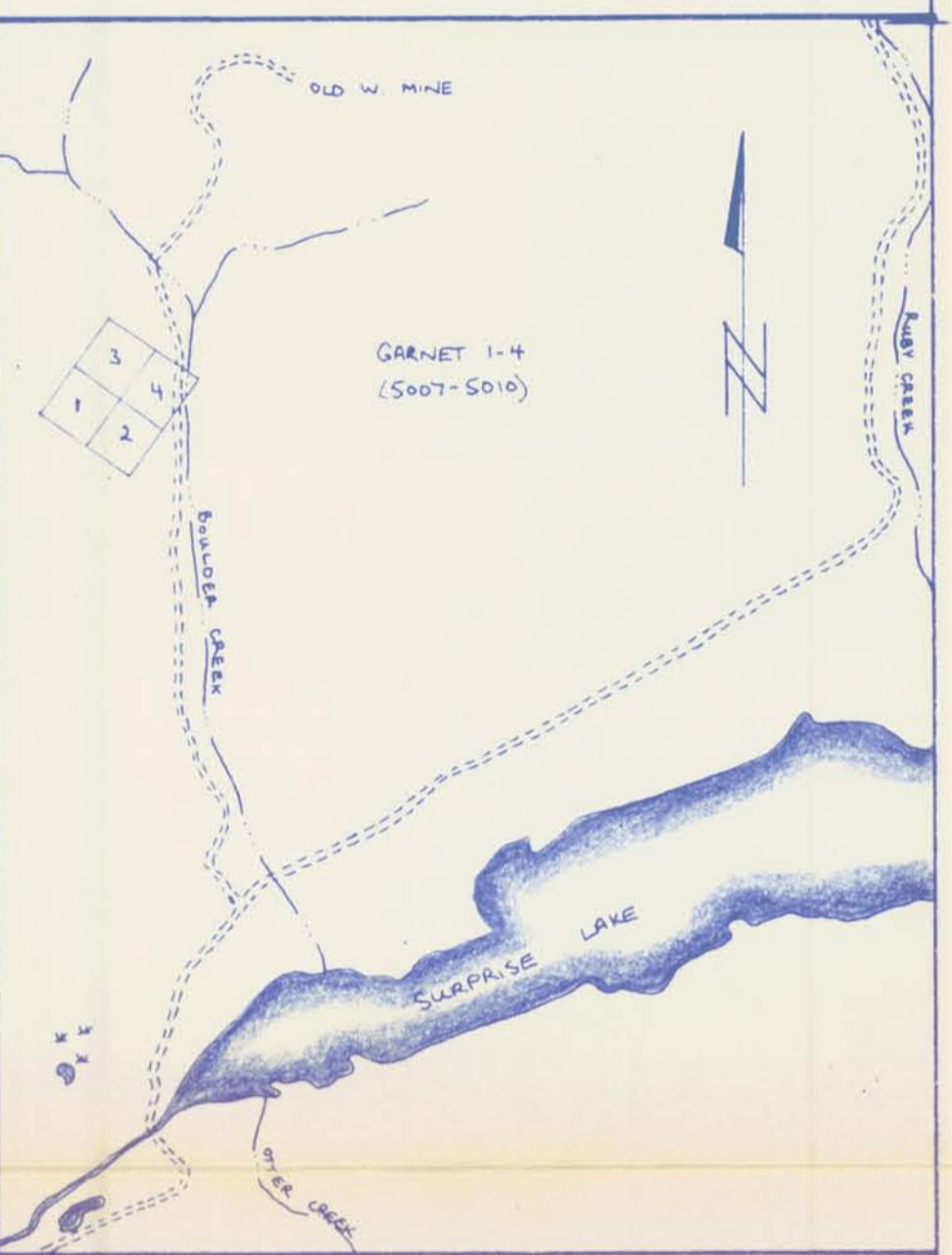
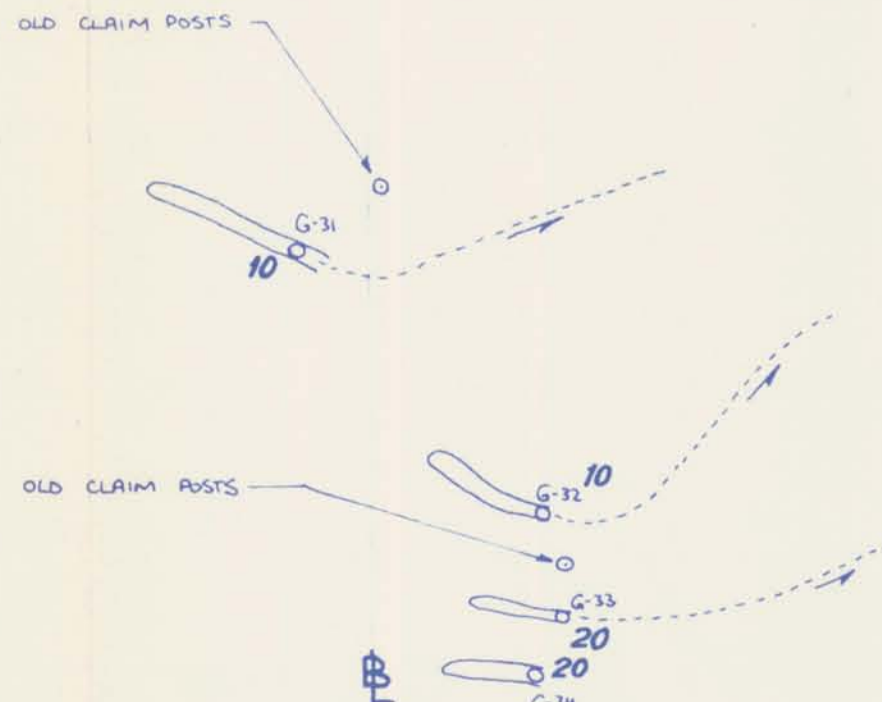
GARNET CLAIM POST (CAIRN)
I.P. GARNET 3,4.
F.P. GARNET 1,2.

TRENCH AREA #3



M.C. BUB 13,14 (F.P.)
BUB 15,16 (I.P.)

TRENCH AREA #4



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP #1

GOLD - 35" SOIL SAMPLES.		
R = 36 ppb. S = 31 ppb.		
Values	Interpretation	Symbols
0 - 36	Negative	○
37 - 67	Poss. Anom.	⊙
68 - 98	Prob. Anom.	⊗
99 - 129	Anomalous	⊕
130+	Strongly Anom.	⊗

*1 high erratic value excluded.

2462

SYMBOLS:

- TRENCH WITH GEOCHEM SOIL No.
- TRENCH FILL
- ASSUMED GEOLOGICAL CONTACT
- CREEK
- CREEK BANK
- ROAD
- 30+66 TELEPHONE LINE
- DIAMOND DRILL HOLE
- FRACTURE
- CLAIM POST

AU DISTRIBUTION



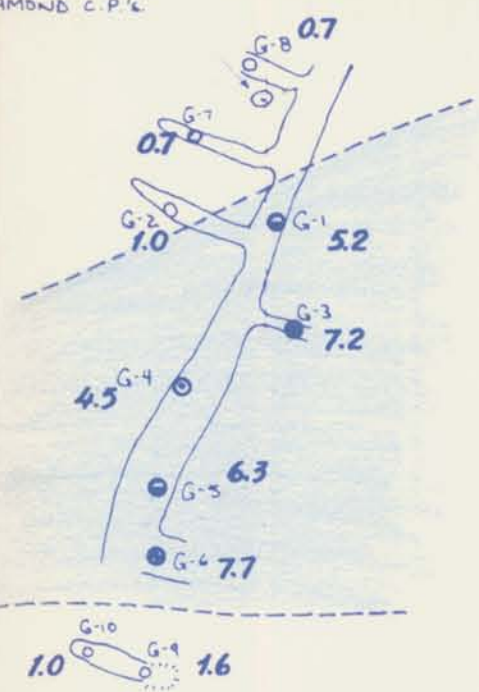
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TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s, GARNET 1-4, ATLIN M.D.

SCALE 1:200 PROT. 60 DATE: 17/4/76 DRAWN: P.N.

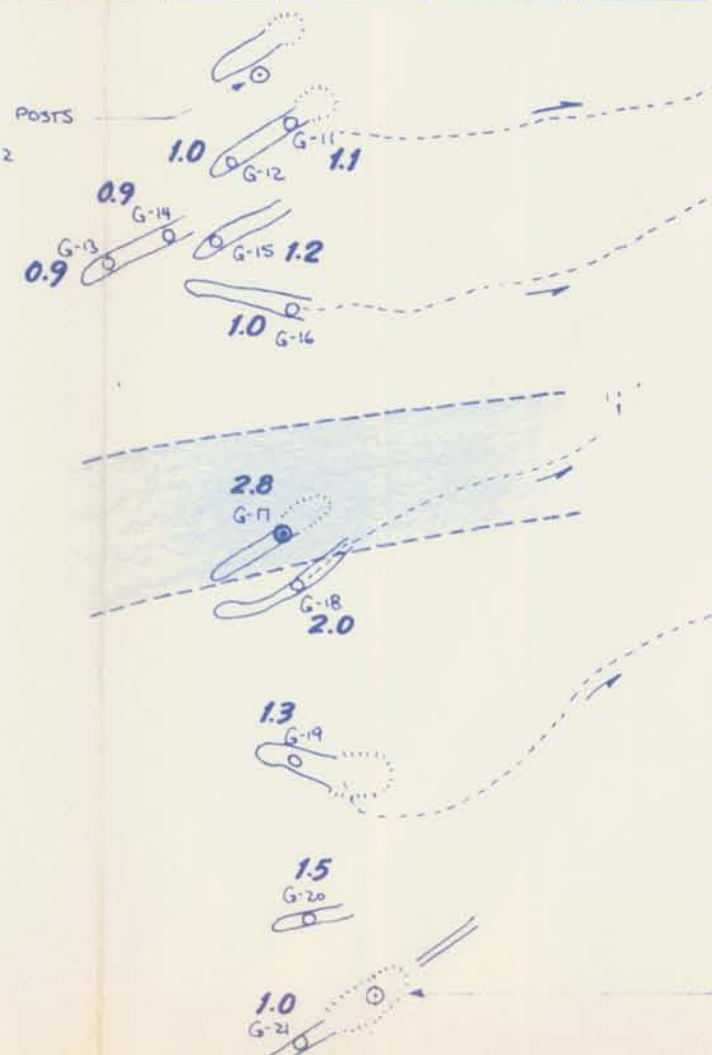
FINAL CLAIM POST GARNET 3,4
ALSO OLD SILVER DIAMOND C.P.'s

TRENCH AREA #1



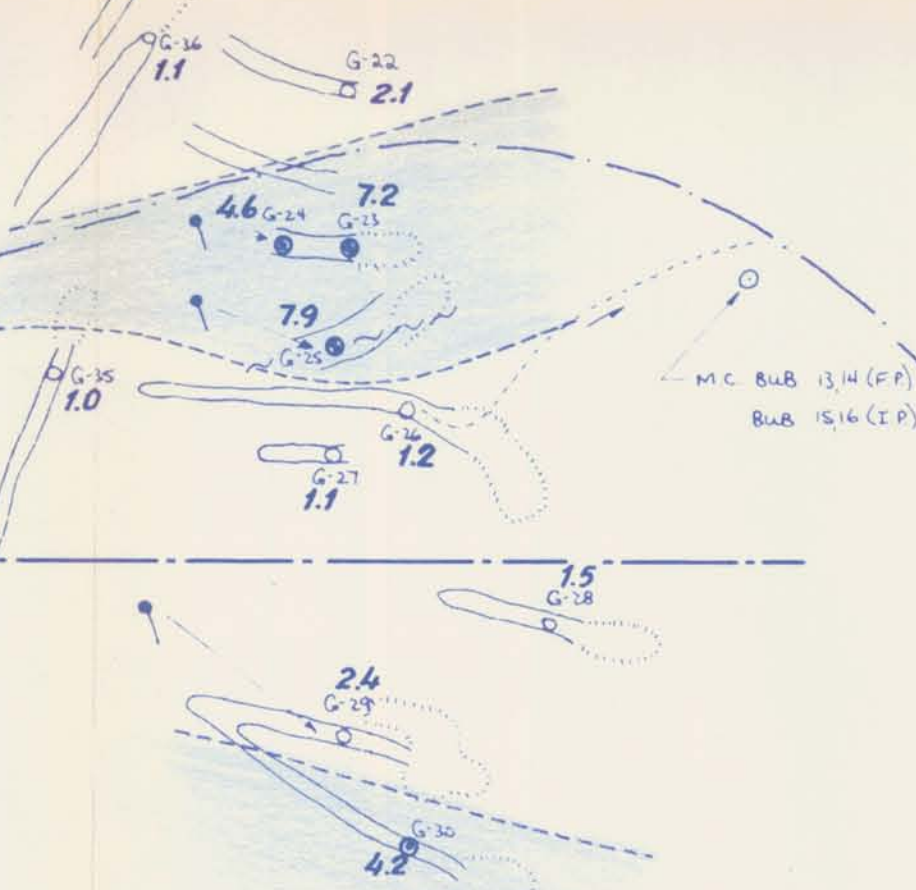
OLD CLAIM POSTS
HOBBS 141, 142

TRENCH AREA #2

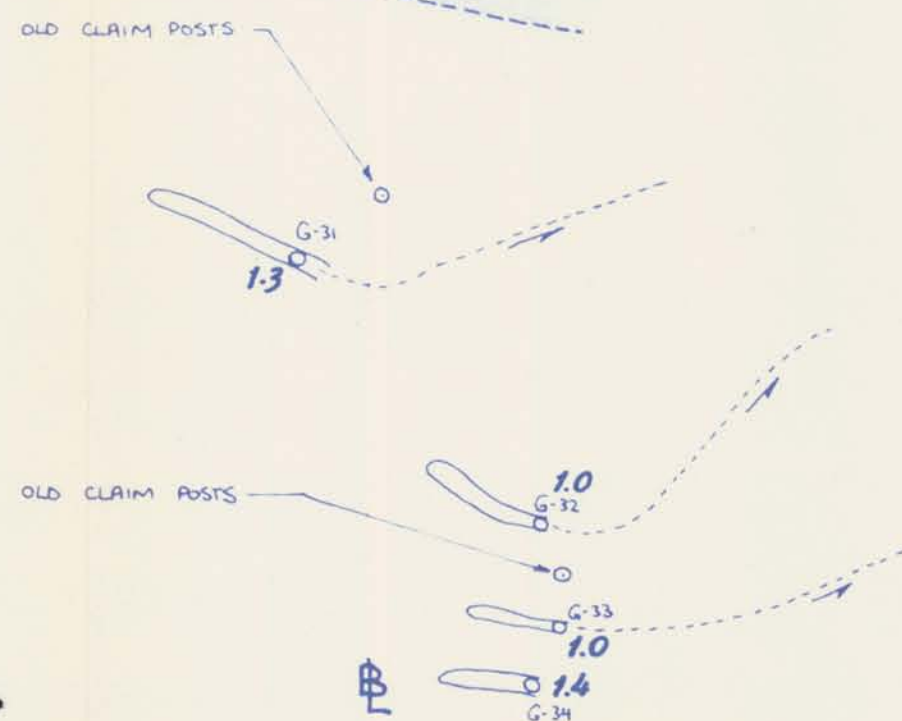


GARNET CLAIM POST (CAIRN)
I.P. GARNET 3,4
F.P. GARNET 1,2

TRENCH AREA #3



TRENCH AREA #4



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

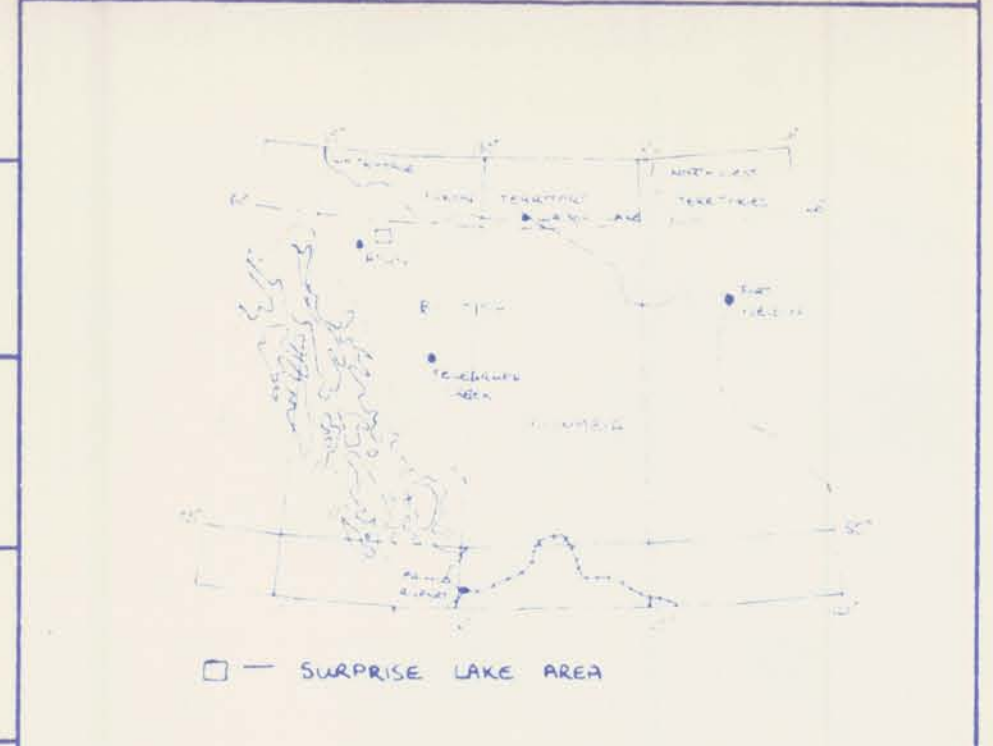
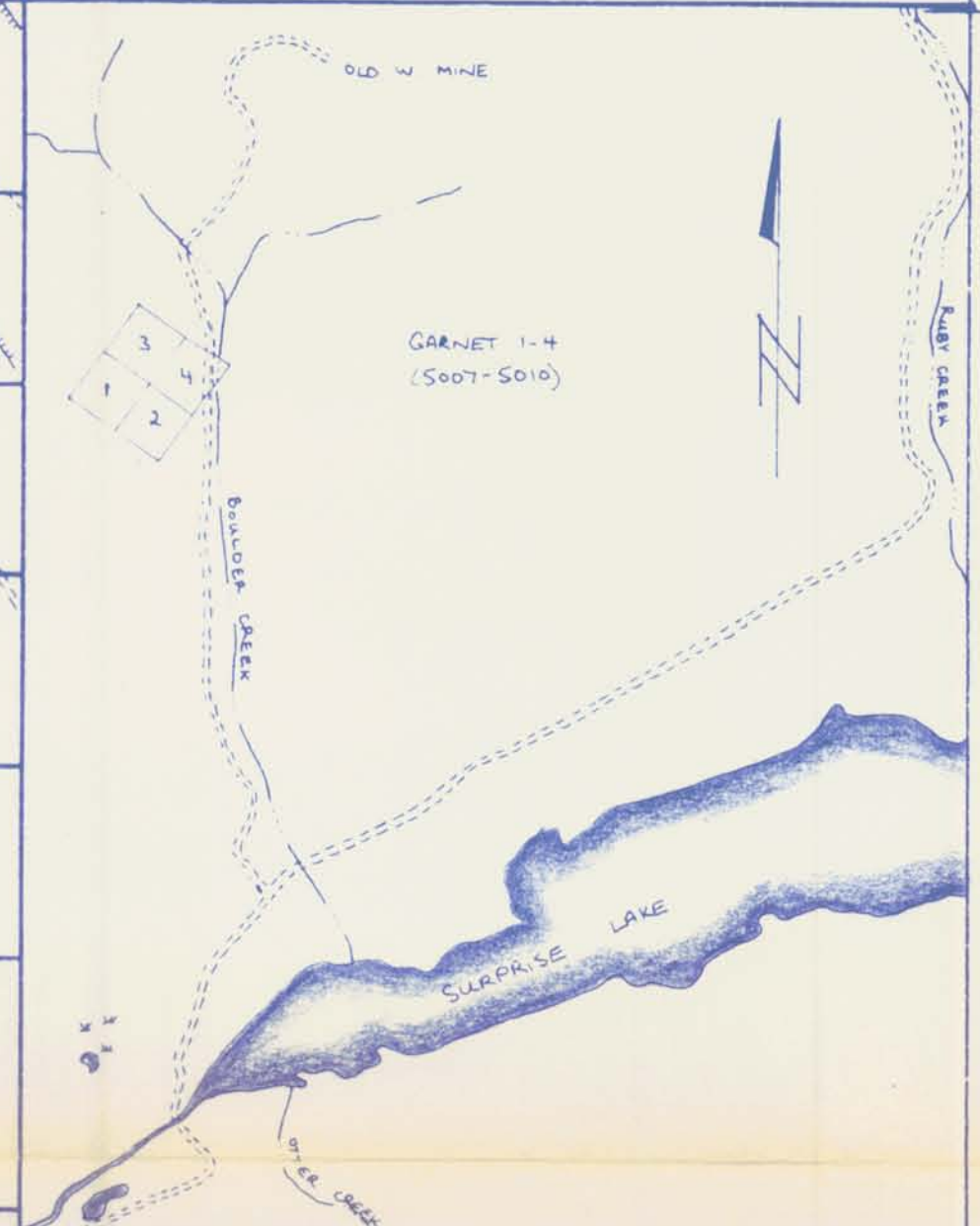
NO. **2462** MAP **#2**

SILVER - 36 SOIL SAMPLES.
 \bar{x} = 2.5 ppm. s = 2.2 ppm

Values	Interpretation	Symbols
0 - 2.5	Negative	○
2.6 - 4.8	Poss. Anom.	⊙
4.9 - 7.0	Prob. Anom.	⊗
7.1 - 9.3	Anomalous	⊕
9.4+	Strongly Anom.	⊗

2462

SOIL SAMPLING DONE BY P. NICHOLSON.



SYMBOLS:

28+66	TRENCH WITH GEOCHEM SOIL No	
	TRENCH FILL	
	ASSUMED GEOLOGICAL CONTACT	
	CREEK	
	CREEK BANK	
	ROAD	
30+66	TELEPHONE LINE	
	DIAMOND DRILL HOLE	
	RACTURE	
	CLAIM POST	



Aq DISTRIBUTION

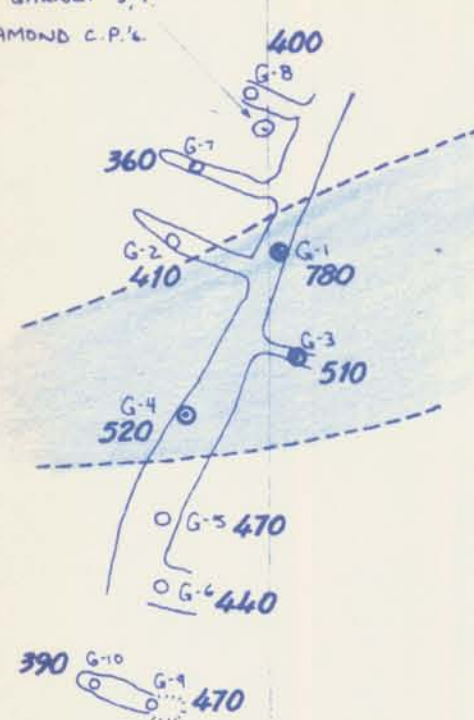
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TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s, GARNET 1-4, ATLIN M.D.

SCALE 1:200' PLOT 60 DATE 17/4/70 DRAWN: P.N.

FINAL CLAIM POST GARNET 3,4.
ALSO OLD SILVER DIAMOND C.P.'s

TRENCH AREA #1



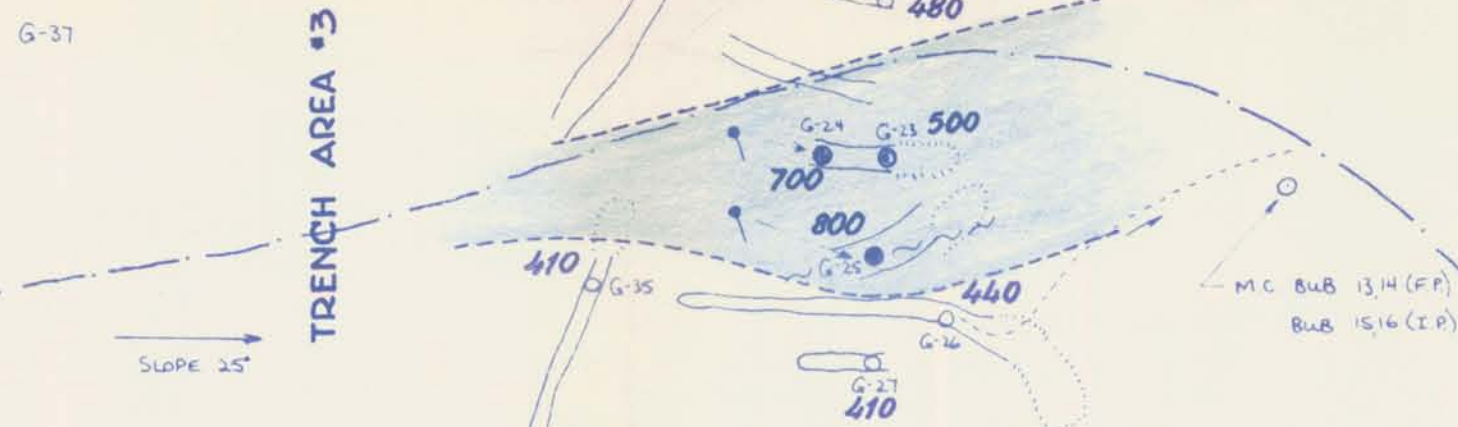
OLD CLAIM POSTS
Hobo 141, 142

TRENCH AREA #2

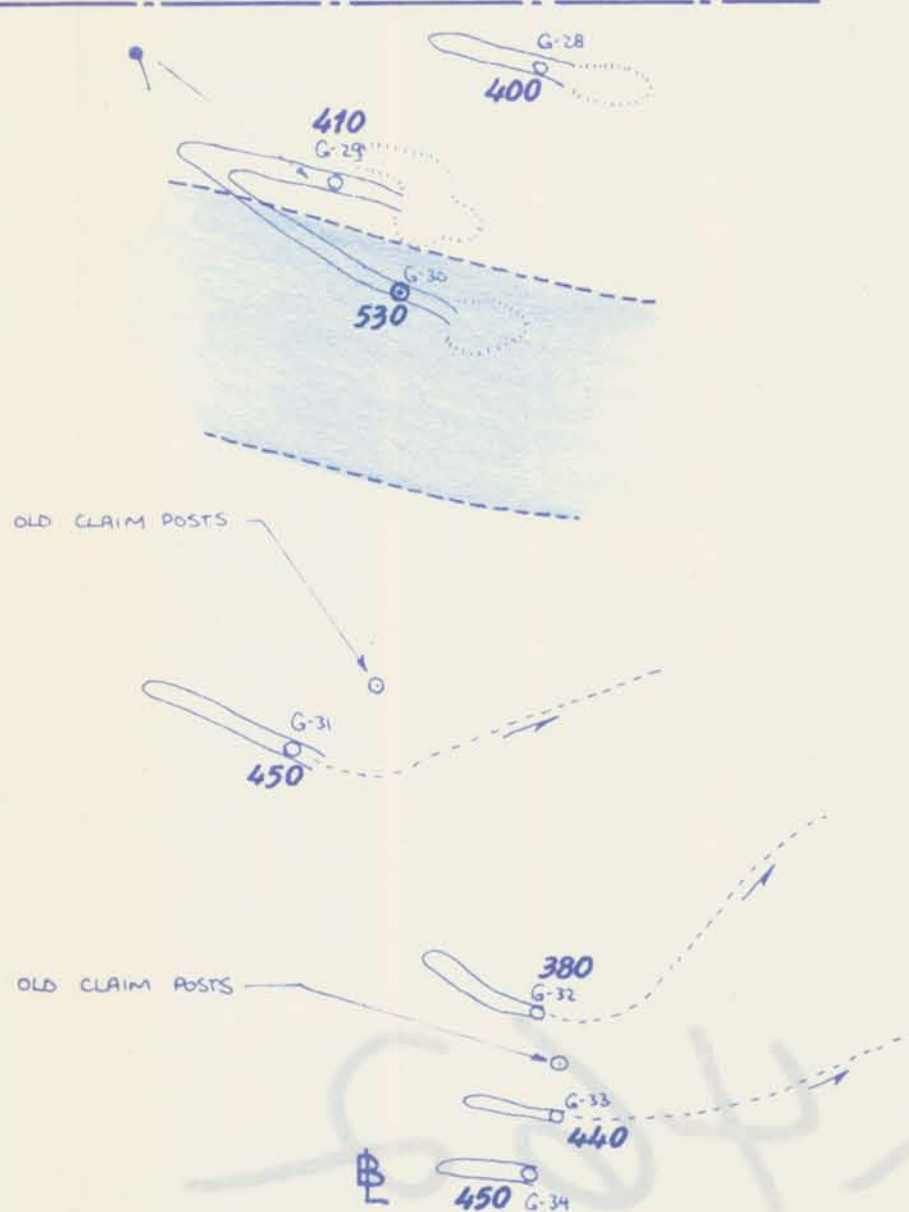


GARNET CLAIM POST (CAIRN)
I.P. GARNET 3,4.
F.P. GARNET 1,2.

TRENCH AREA #3



TRENCH AREA #4



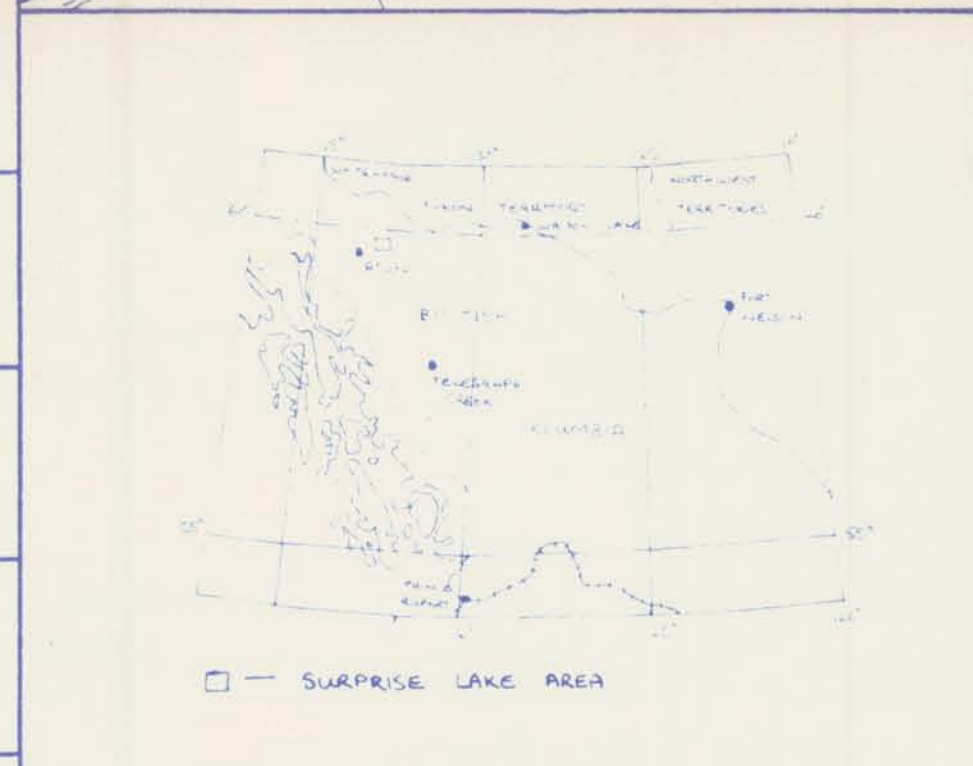
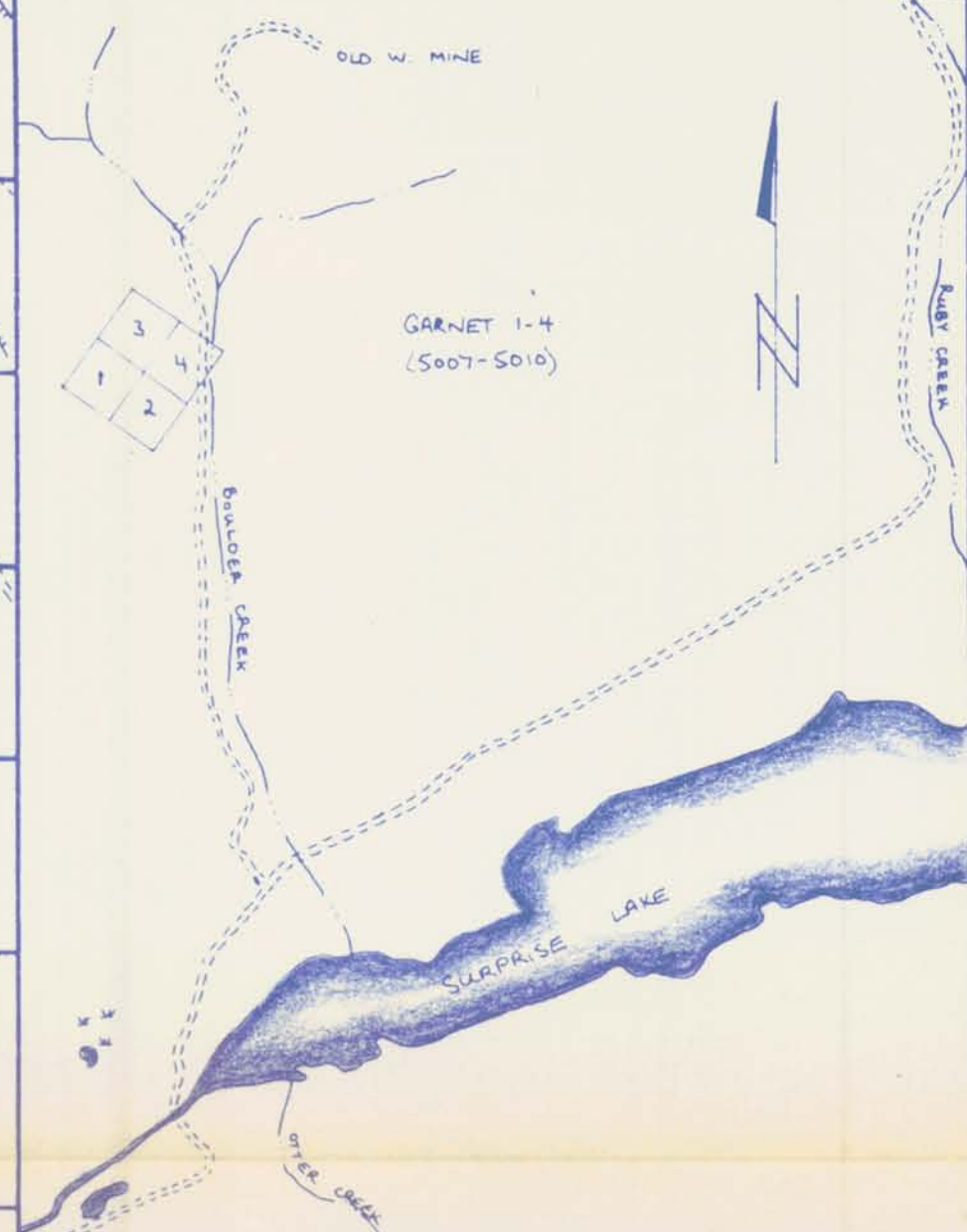
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. **2462** MAP **#4**

MANGANESE - 36 SOIL SAMPLES.
 $\bar{x} = 482$ ppm. $s = 104$ ppm.

Values	Interpretation	Symbols
0 - 482	Negative	○
483 - 586	Poss. Anom.	⊙
587 - 690	Prob. Anom.	⊗
691 - 794	Anomalous	⊕
795+	Strongly Anom.	●

2462



SYMBOLS:

TRENCH WITH GEOCHEM SOIL No.	---
TRENCH FILL	~~~~~
ASSUMED GEOLOGICAL CONTACT	-----
CREEK	~~~~~
CREEK BANK	~~~~~
ROAD	-----
TELEPHONE LINE	-----
DIAMOND DRILL HOLE	○
RACTURE	~~~~~
CLAIM POST	○

Mn DISTRIBUTION

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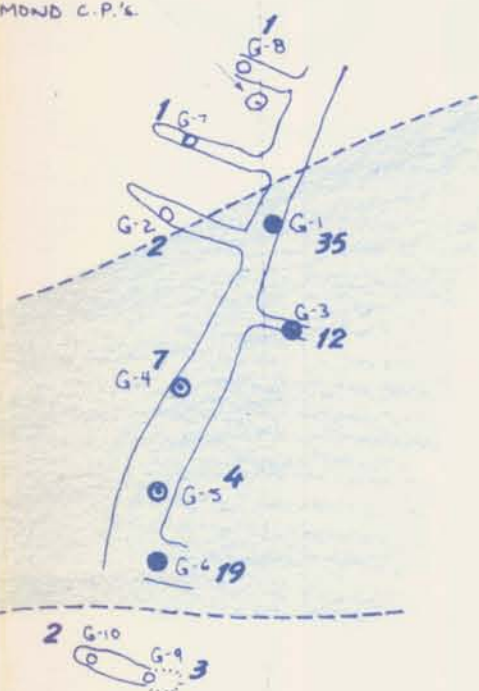
TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s, GARNET 1-4, ATLIN M.D.

SCALE 1:200 PROT 60 DATE 17/4/70 DRAWN: P.N.



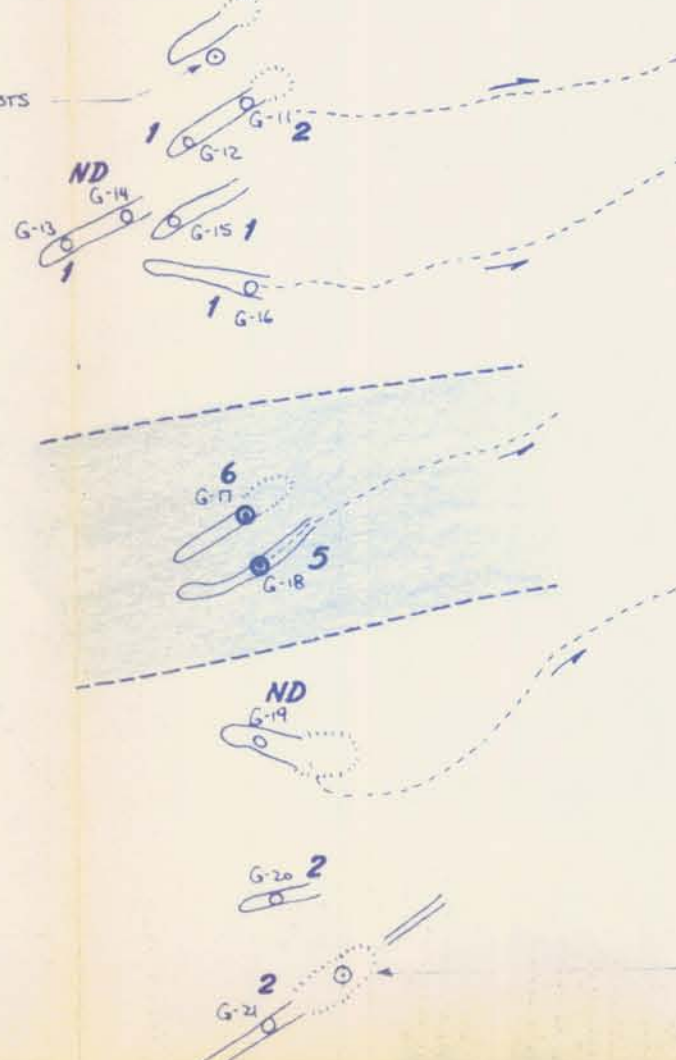
FINAL CLAIM POST GARNET 3,4
ALSO OLD SILVER DIAMOND C.P.'s

TRENCH AREA #1



OLD CLAIM POSTS
Hobo 141, 142

TRENCH AREA #2



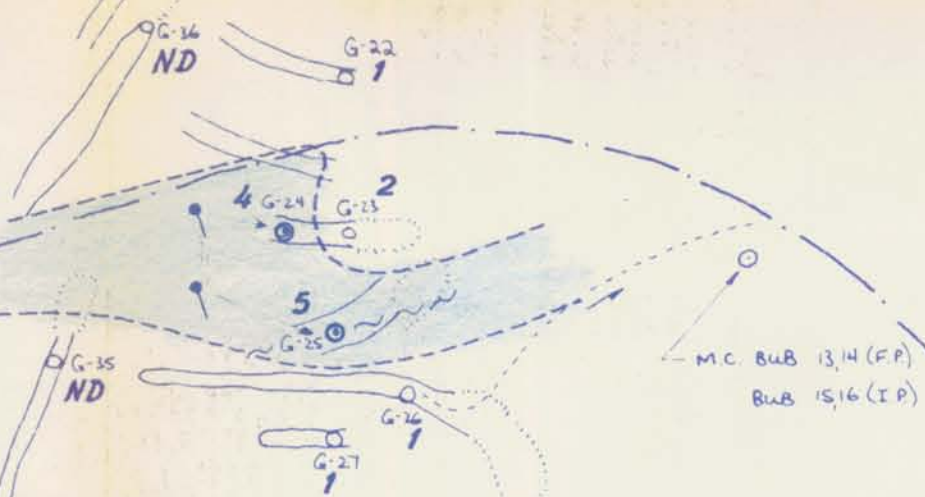
SLOPE 31°

SLOPE 14°

TRENCH AREA #3

G-37

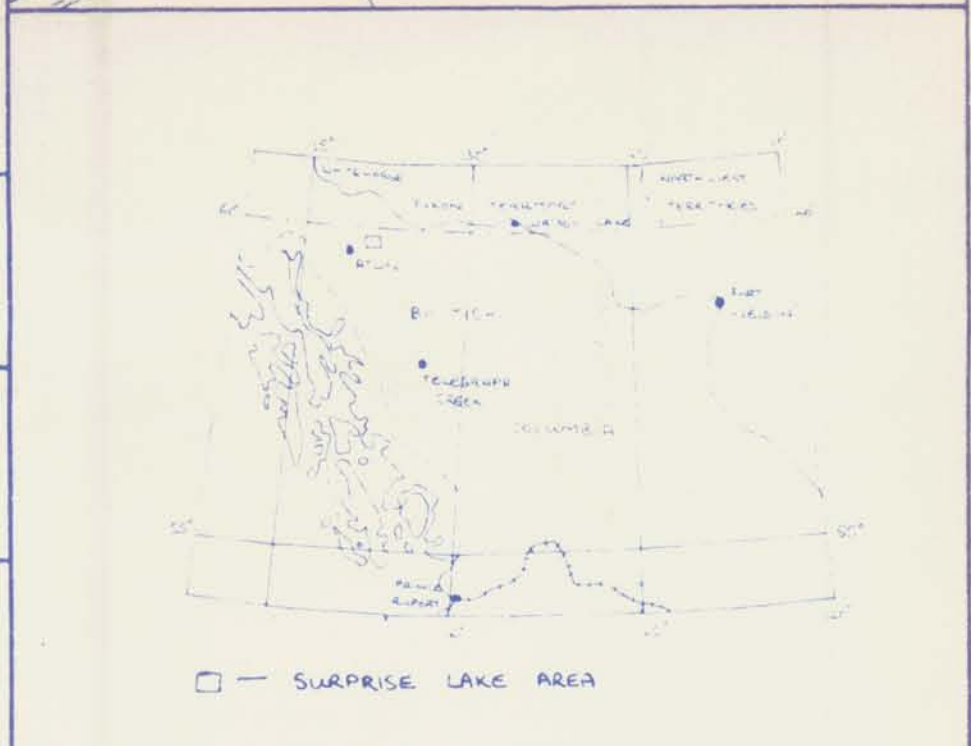
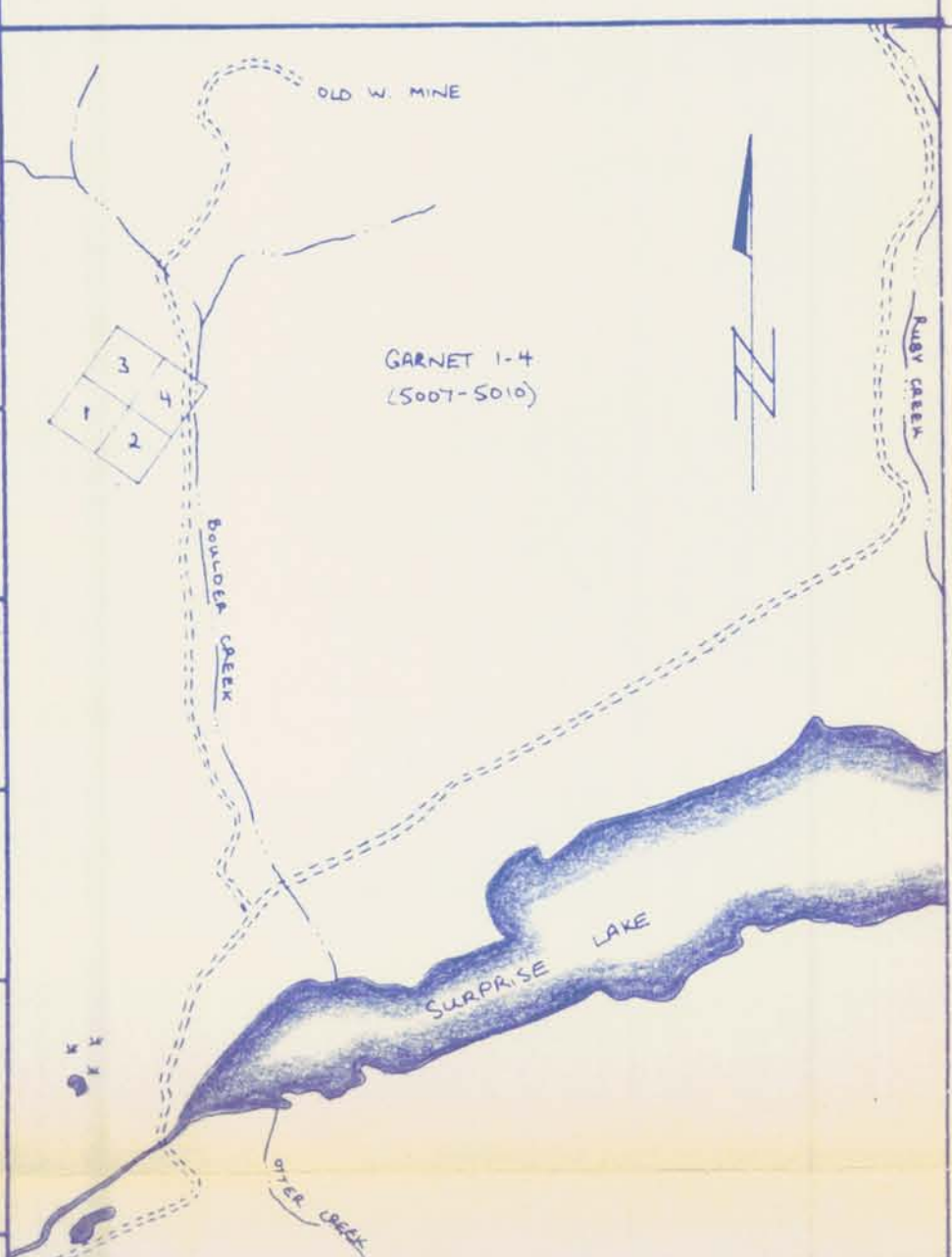
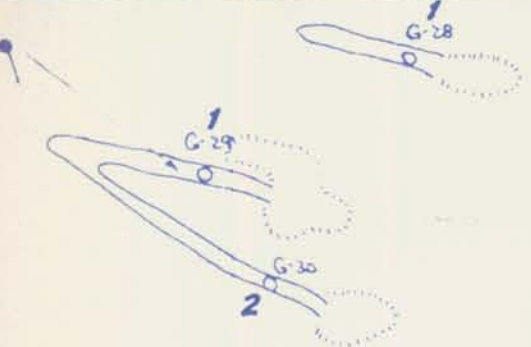
SLOPE 25°



TRENCH AREA #4

OLD CLAIM POSTS

OLD CLAIM POSTS



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP #6

MOLYBDENUM - 35th SOIL SAMPLES.
x̄ = 3 ppm. s = 4 ppm.

Values	Interpretation	Symbols
0 - 3	Negative	○
4 - 7	Poss. Anom.	⊙
8 - 11	Prob. Anom.	⊗
12 - 15	Anomalous	⊕
16 +	Strongly Anom.	●

*1 high erratic value excluded.

2462

SYMBOLS:

TRENCH WITH GEOCHEM SOIL No.	
TRENCH FILL	
ASSUMED GEOLOGICAL CONTACT	
CREEK	
CREEK BANK	
ROAD	
TELEPHONE LINE	
DIAMOND DRILL HOLE	
RACTURE	
CLAIM POST	

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TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s, GARNET 1-4, ATLIN M.D.

SCALE 1:200' PROT. 60 DATE: 17/4/76 DRAWN: P.N.



FINAL CLAIM POST GARNET 3,4
ALSO OLD SILVER DIAMOND C.P.'s

TRENCH AREA #1

TRENCH AREA #2

TRENCH AREA #3

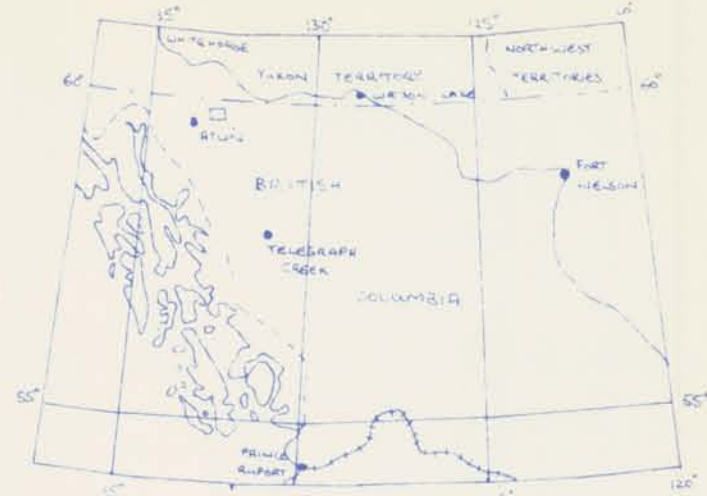
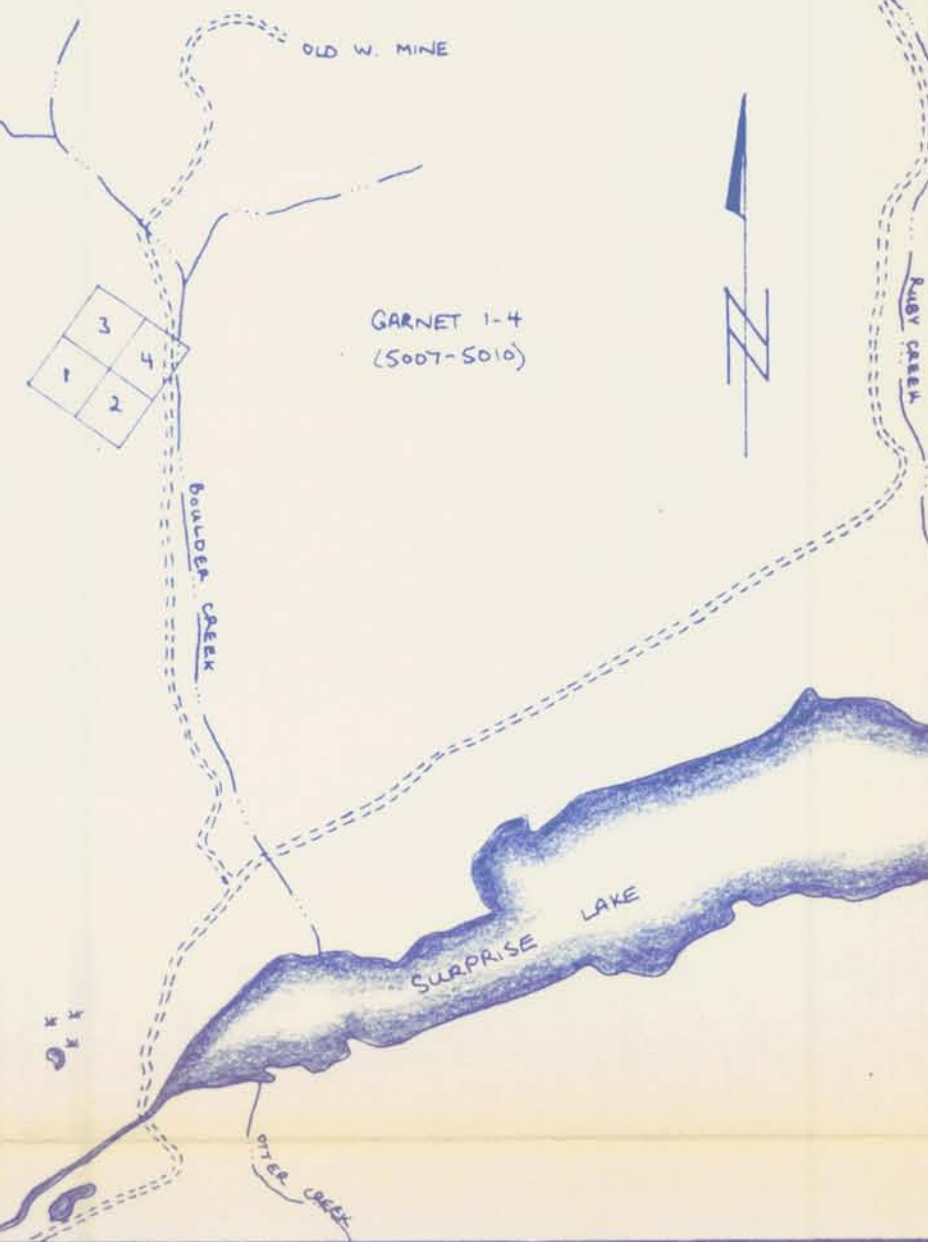
TRENCH AREA #4

SLOPE 31°

SLOPE 14°

SLOPE 25°

0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+66
20+66
22+66
24+66
26+66
28+66
30+66



SYMBOLS:

TRENCH WITH GEOCHEM SOIL No.	
TRENCH FILL	
ASSUMED GEOLOGICAL CONTACT	
CREEK	
CREEK BANK	
ROAD	
TELEPHONE LINE	
DIAMOND DRILL HOLE	
RACTURE	
CLAIM POST	

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TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'s, GARNET 1-4, ATLIN M.D.

SCALE 1:200' PLOT 60 DATE: 17/4/70 DRAWN: P.N.I.

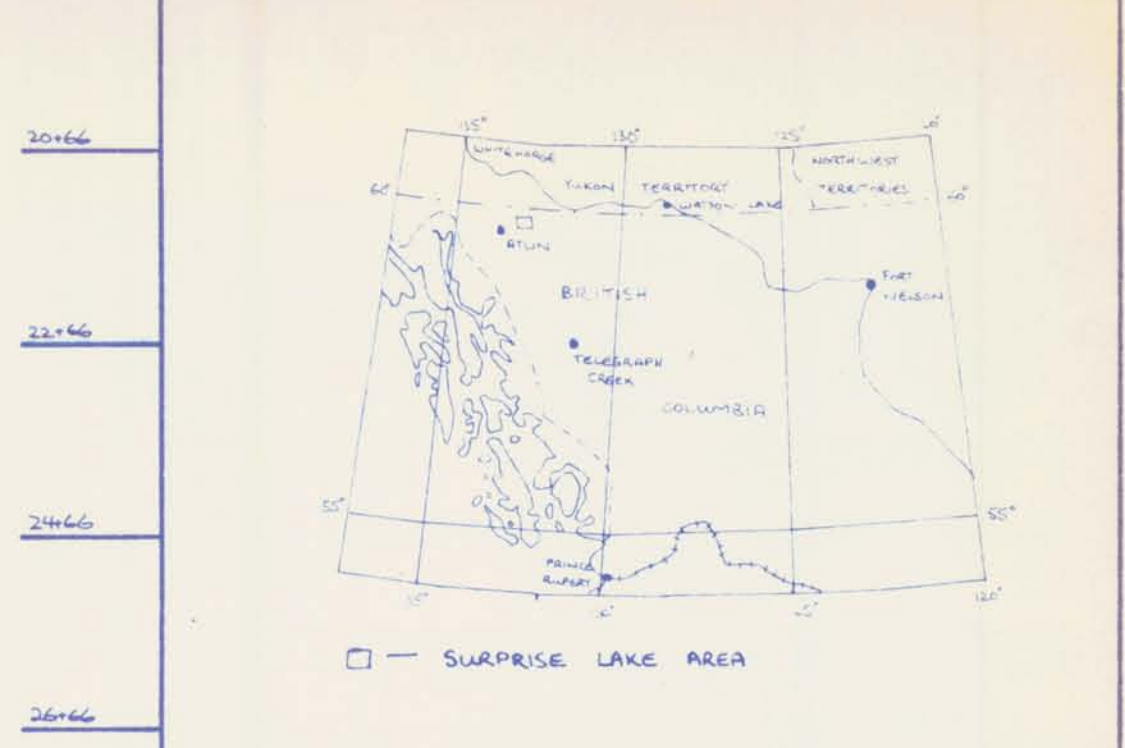
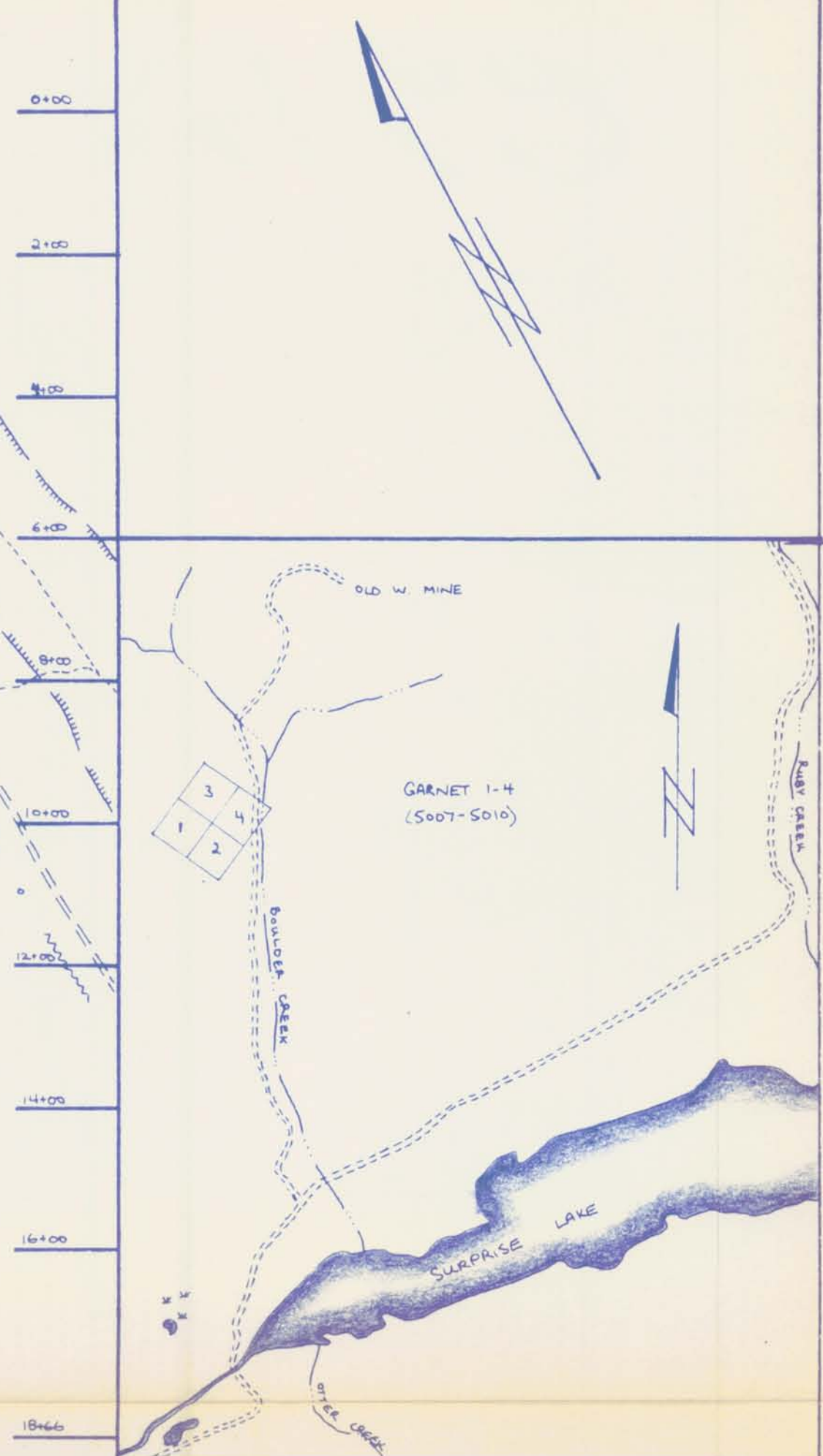
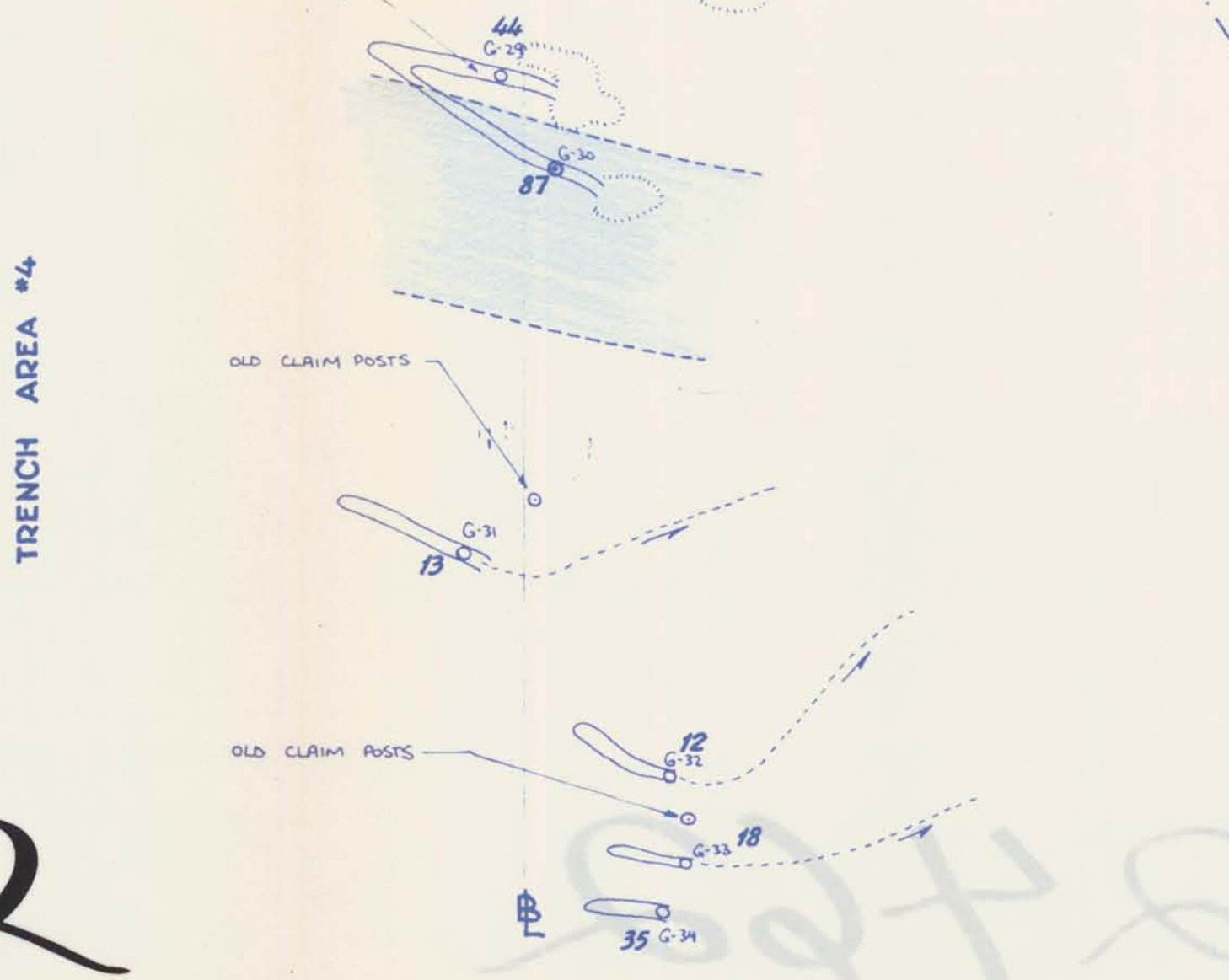
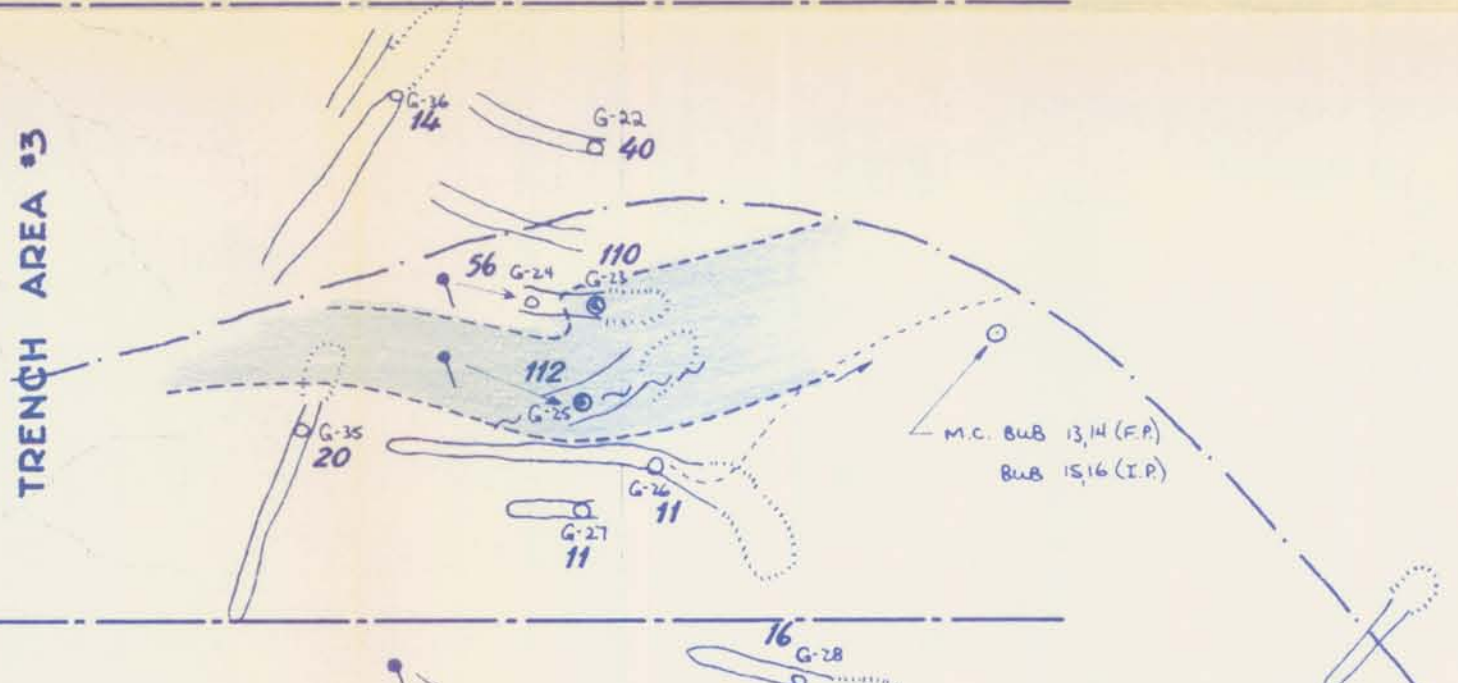
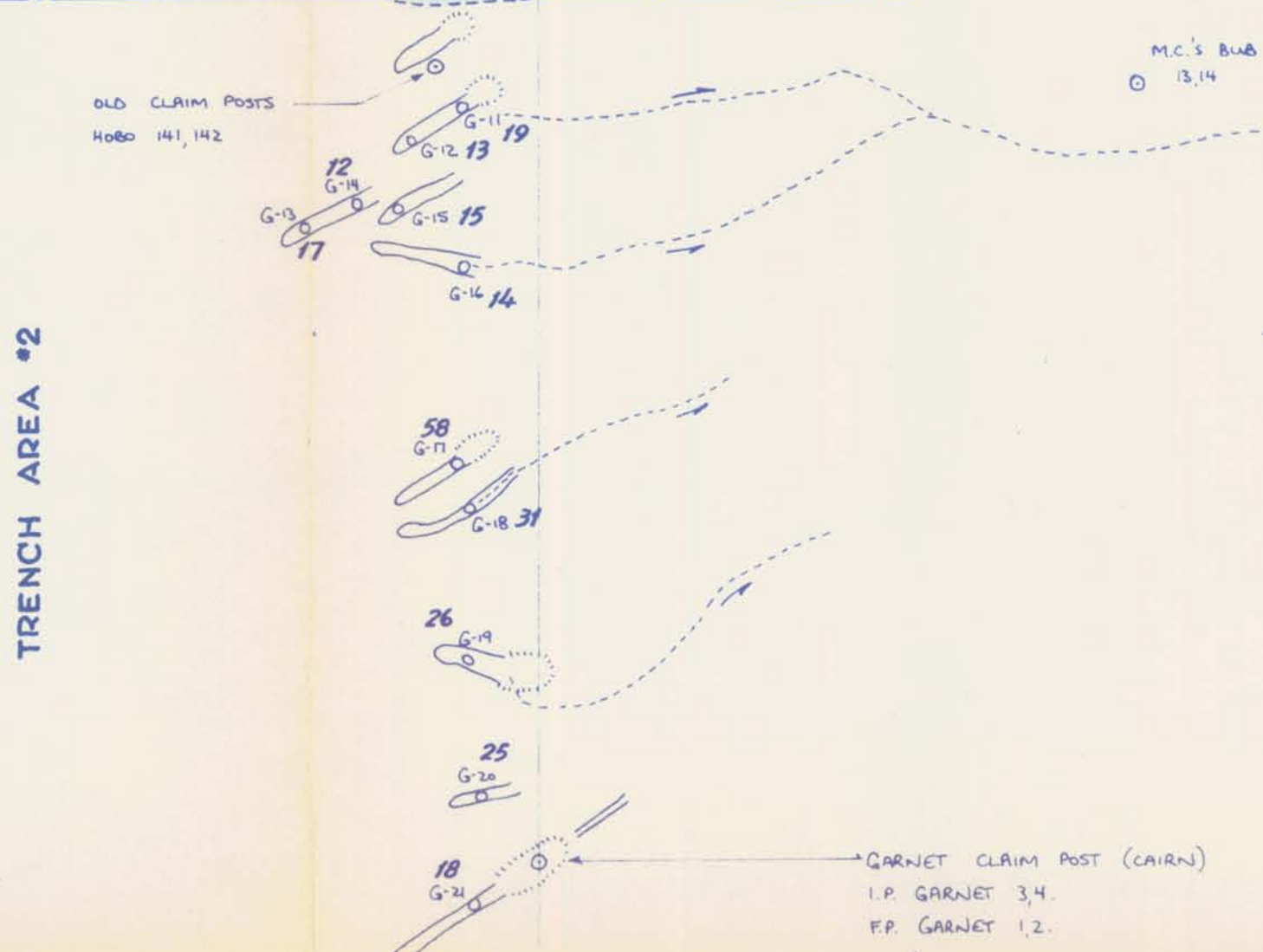
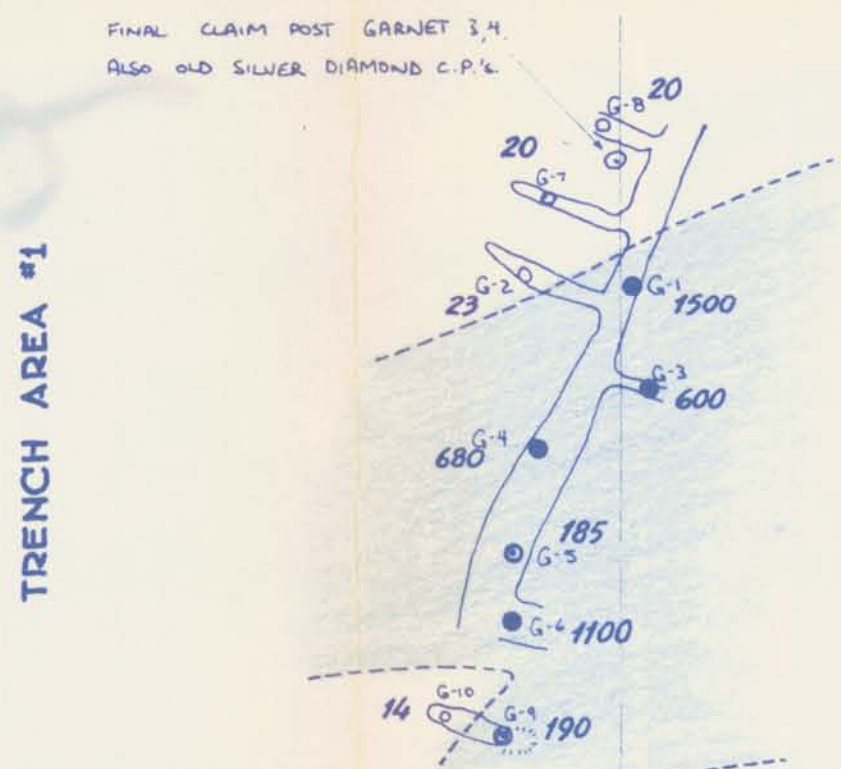
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP **#7**

NICKEL - 36 SOIL SAMPLES.
 $\bar{x} = 257$ ppm. $s = 102$ ppm.

Values	Interpretation	Symbols
0 - 257	Negative	○
258 - 359	Poss. Anom.	⊙
360 - 461	Prob. Anom.	⊛
462 - 563	Anomalous	⊜
564+	Strongly Anom.	⊝

2462





Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2462** MAP #9

LEAD - 34 SOIL SAMPLES
 \bar{x} = 78 ppm. s = 150 ppm.

Values	Interpretation	Symbols.
0 - 78	Negative	○
79 - 228	Poss. Anom.	⊙
229 - 378	Prob. Anom.	⊗
379 - 528	Anomalous	⊕
529 +	Strongly Anom.	⊗

* 2 high erratic values excluded.

2462

SYMBOLS:

TRENCH WITH GEOCHEM SOIL No.	
TRENCH FILL	
ASSUMED GEOLOGICAL CONTACT	
CREEK	
CREEK BANK	
ROAD	
TELEPHONE LINE	
DIAMOND DRILL HOLE	
FRACTURE	
CLAIM POST	

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TRENCHES, SOIL SAMPLE
LOCATIONS, M.C.'S GARNET 1-4, ATLIN M.D.

SCALE 1:200' PROT: 60 DATE: 17/4/70 DRAWN: P.N.

