

ATLAS EXPLORATIONS LIMITED

(N.P.L.)

BOX 3050

WHITEHORSE, YUKON TERRITORY

August 8/67

The Mining Recorder
Box 269
Watson Lake YT

Re - Pelly 95 - 120

(BILL GP)

Herewith forms "A" , Applications to Record Quartz Mining Claims, as above noted, together with sketches for each staking group.

Enclosed is cheque in amount of \$260.00 to cover recording fees.

Ivor A. Mast.

Vancouver Office

Herewith for your information together with copies of sketches.

Funds for this recording requested by telex.

Ivor A Mast.

Clyde Smith.

Copy of this application for your info.

Ivor 

BILL GROUP

TELEPHONE 685-4331

ATLAS EXPLORATIONS LIMITED

(N.P.L.)

330 MARINE BUILDING

355 BURRARD STREET

VANCOUVER 1, B.C.

Pelly labels
August 2

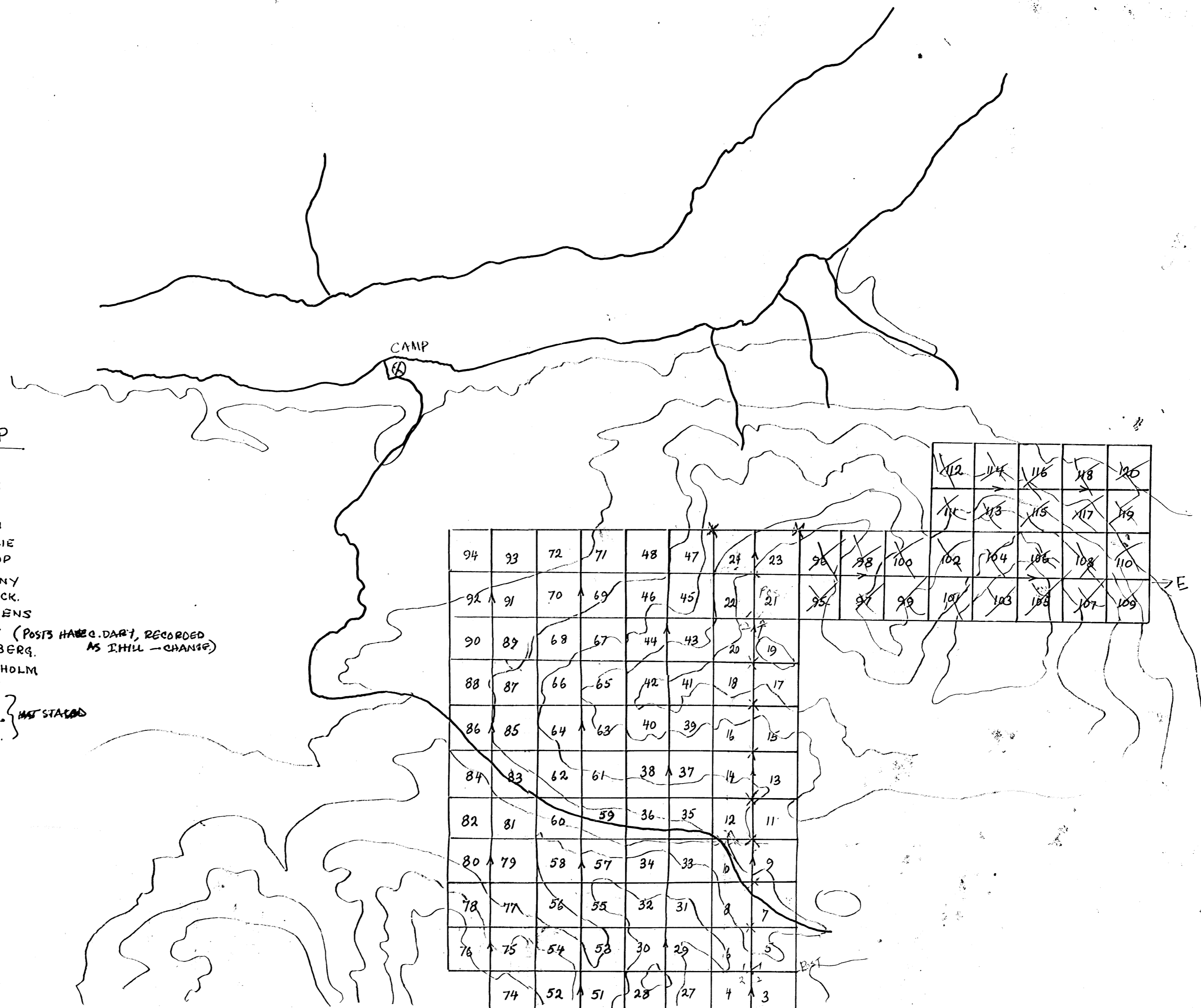
TO: Ivar Most
FROM: Clyde L Smith

Enclosed are A forms and transfers for
Pelly claims 95-120. Claims were checked
July 20 and adjoin the Bill group.

Please enclose check for recording costs
and forward to Watson Lake mining
recorder.

Many thanks.

Regards -
Clyde



BILL GROUP

- 1-8 J. LADUE
- 9-16 M. LADUE
- 17-24 M. SMITH
- 25-32 A. CHARLIE
- 33-40 R. BISHOP
- 41-48 G. JOHNNY
- 49-56 RUTH. BROCK.
- 57-64 A. HITCHENS
- 65-72 C. DARY (POSTS HAD C. DARY, RECORDED AS I HILL - CHANGE)
- 73-80 P. NILLBERG.
- 81-88 E. O. CHISHOLM
- 89-94 G. DAVIS
- 97-104 A. AHO
- 105-112 I. MAST. } NOT STATED
- 113-120 I. HILL.

94	93	72	71	48	47	24	23	96	98	100	102	104	106	108	110
92	91	70	69	46	45	22	21	95	97	99	101	103	105	107	109
90	89	68	67	44	43	20	19								
88	87	66	65	42	41	18	17								
86	85	64	63	40	39	16	15								
84	83	62	61	38	37	14	13								
82	81	60	59	36	35	12	11								
80	79	58	57	34	33	10	9								
78	77	56	55	32	31	8	7								
76	75	54	53	30	29	6	5								
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	73	50	49	26	25	2	1								

BILL GP. (1-94)

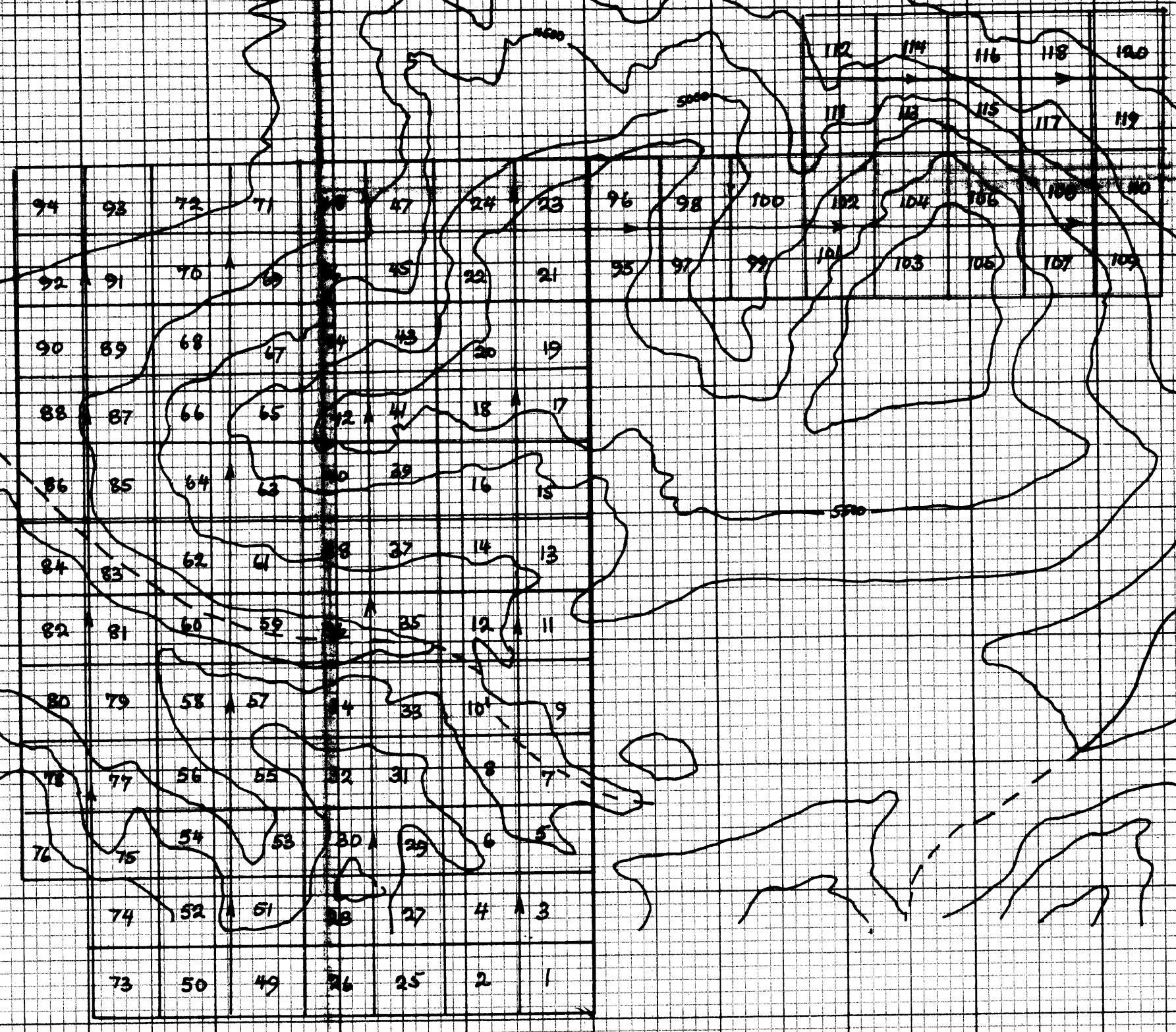
Top Sheet 105 J-1

PELKY LAKE

Abandoned
Trading
Road

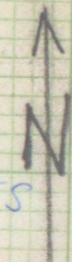
BILL GROUP

- 1-8 J. Ladue
- 9-16 M. Ladue
- 17-24 N. Smith
- 25-32 A. Charles
- 33-40 R. Bishop
- 41-48 G. Johnny
- 49-56 Ron Brock
- 57-64 A. Richards
- 65-72 ~~_____~~ I. Hill
- 73-80 P. N. Uberg
- 81-88 E. O. Chisholm
- 89-96 G. Jones
- 97-104 A. And
- 105-112 J. Mace
- 113-120 I. Hill



BILL GROUP GRID

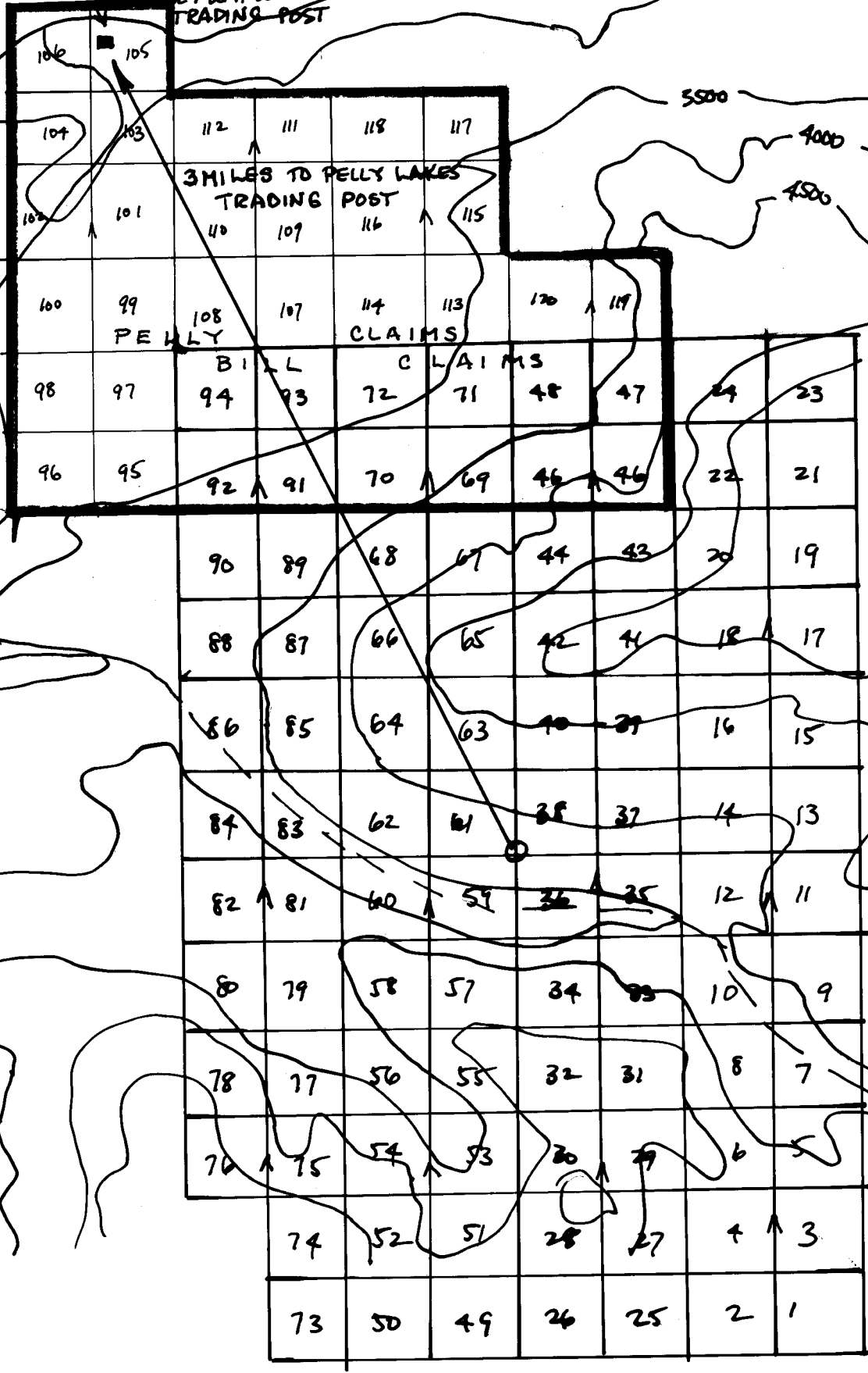
330
PELLEY LAKES



PELLEY 1 1/2 MI.



ABANDONED PELLEY LAKES TRADING POST

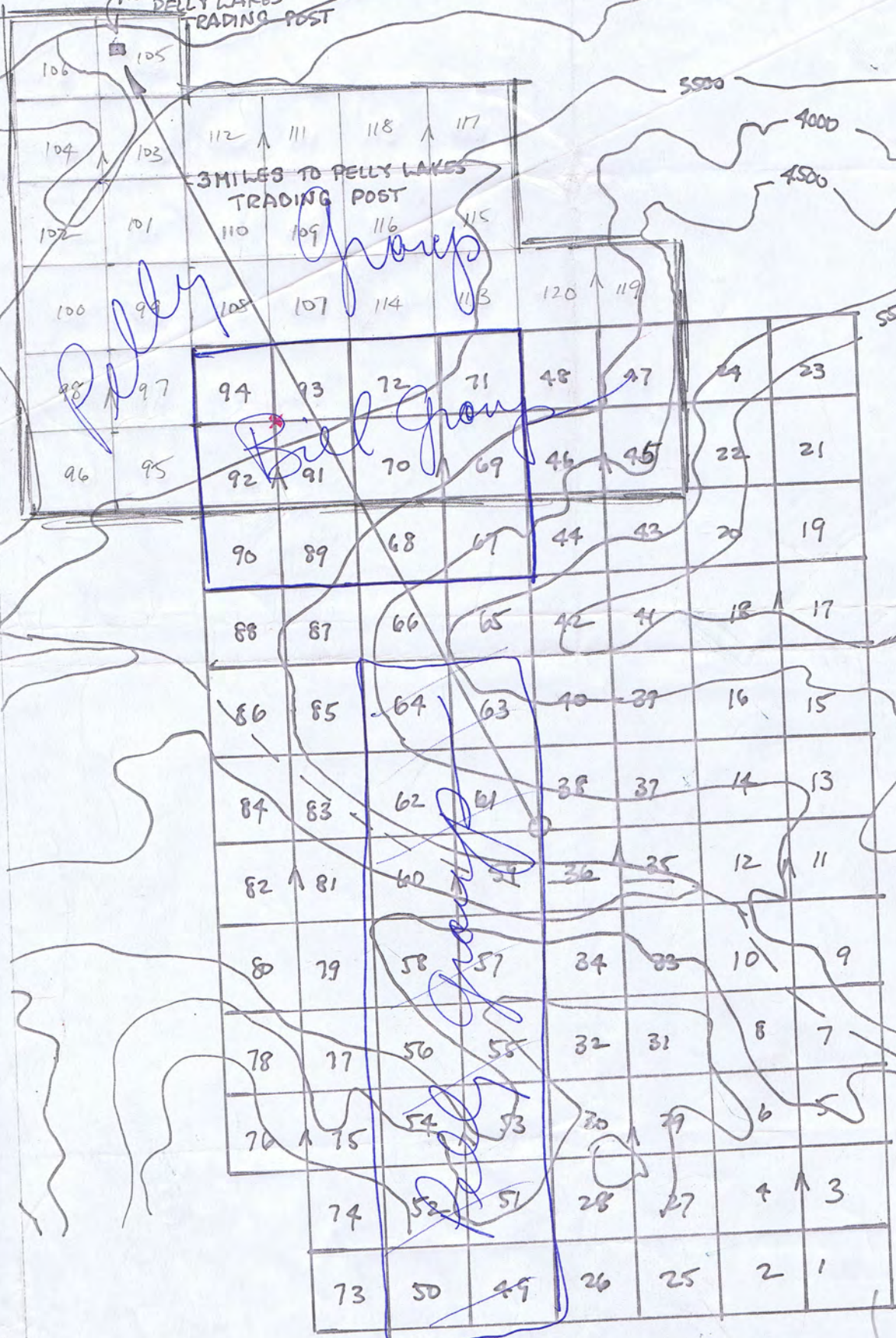


BILL GROUP

PELLEY LAKE
1 1/2 MI.

ABANDONED
PELLEY LAKES
TRADING POST

3 MILES TO PELLEY LAKES
TRADING POST



BIHL GROUP

ATLAS EXPLORATIONS LIMITED

ROSS RIVER (YT)

BILL GROUP GEOLOGY

(PHOTO OVERLAY OF # A-V2189-357)
1000' : 1"

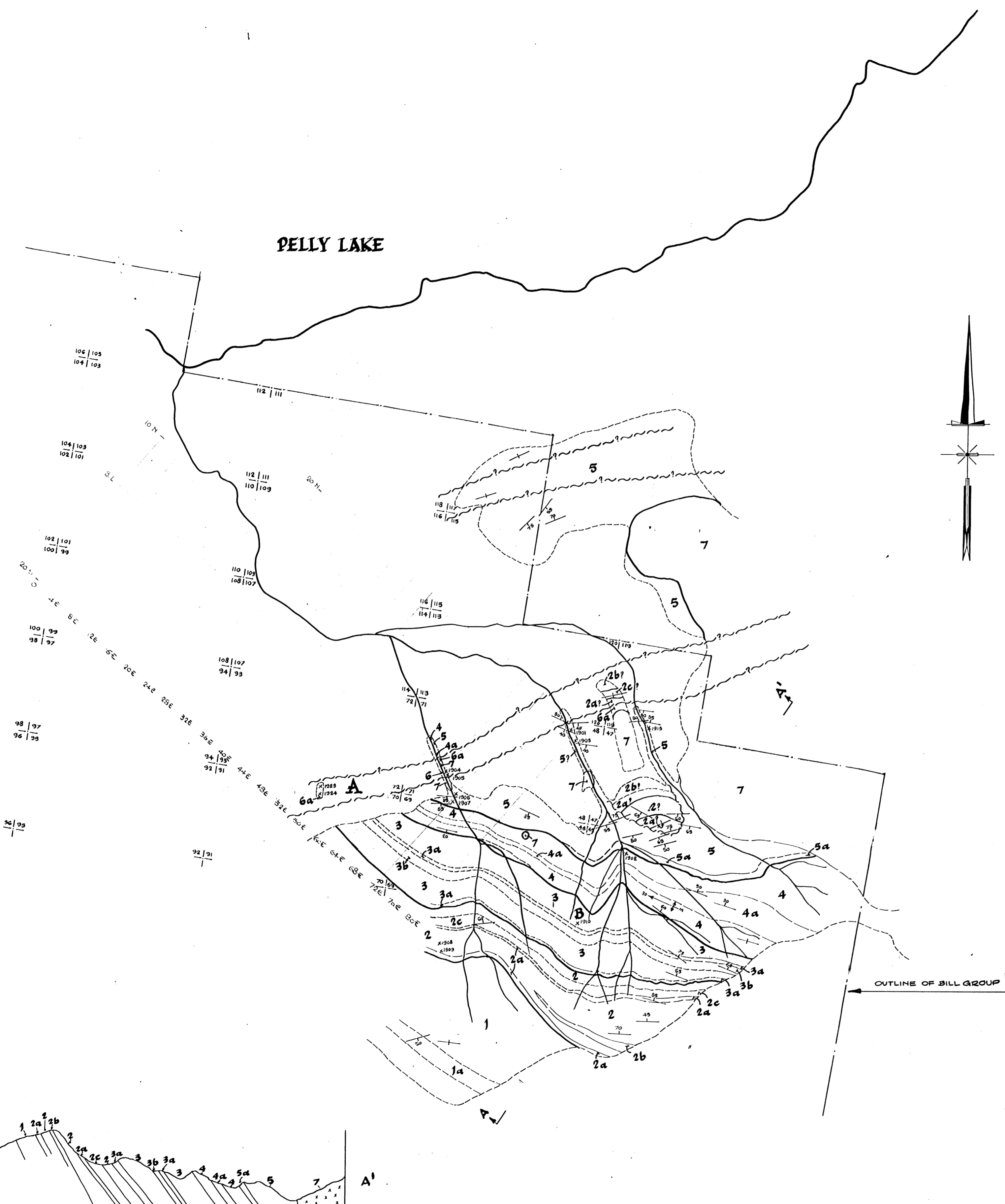
GEOLOGY : C.L. SMITH & R. DUNSMORE
DATE : JULY 1967
SCALE 1"=1000'

- SYMBOLS :**
- OUTCROP OUTLINE
 - UNIT CONTACTS
 - MEMBER CONTACT
 - APPROXIMATE MEMBER CONTACT
 - INFERRED MEMBER CONTACT
 - ~~~~~ FAULTS
 - |— BEDDING

- LEGEND :**
- 7** GRANODIORITE
 - 6** GRAY LIMESTONE ; 6a BLACK LIMESTONE BRECCIA AND QUARTZ-MICA SCHIST.
 - 5** GRAY CHERT ; 5a GRAY LIMESTONE
 - 4** BLACK CHERT-BLACK PHYLLITE ; 4a BLACK PHYLLITE
 - 3** GRAY DOLOMITE ; 3a WHITE QUARTZITE ; 3b BLACK PHYLLITE
 - 2** BLACK CHERT ; 2a GRAY DOLOMITE ; 2b GRAY QUARTZITE ; BLACK PHYLLITE
 - 1** GRAY PHYLLITE ; 1a GRAY QUARTZITE

- MAIN SHOWINGS**
- A** SMALL Pb-Zn MATRIX FILLING IN LIMESTONE BRECCIA
 - B** SMALL Pb-Zn REPLACEMENT ZONE IN DOLOMITE

ASSAYS :	RESULTS						RESULTS				
	AU	AG	CU	PB	ZN		AU	AG	CU	PB	ZN
# Y 1901	.25	.01	.01	.01		Y 1908	.14	.07	.013	.006	
Y 1902	.25	.02	.05	.19		Y 1909	TR	.27	.003	.008	.002
Y 1903	ND	.03	.02	.10		Y 1910		.36	.095	1.05	2.00
Y 1904	TR	.11	.008	.02	.02	Y 1912		.12	.004	.13	.007
Y 1905	TR	.25	.004	WD	.004	Y 1913		ND	.004	.009	.012
Y 1906	WD	.008	.007	.01		Y 1923		.12	.016	1.15	1.20
Y 1907	TR	ND	.006	.012	.02	Y 1924	TRW	.13	.013	1.60	2.05

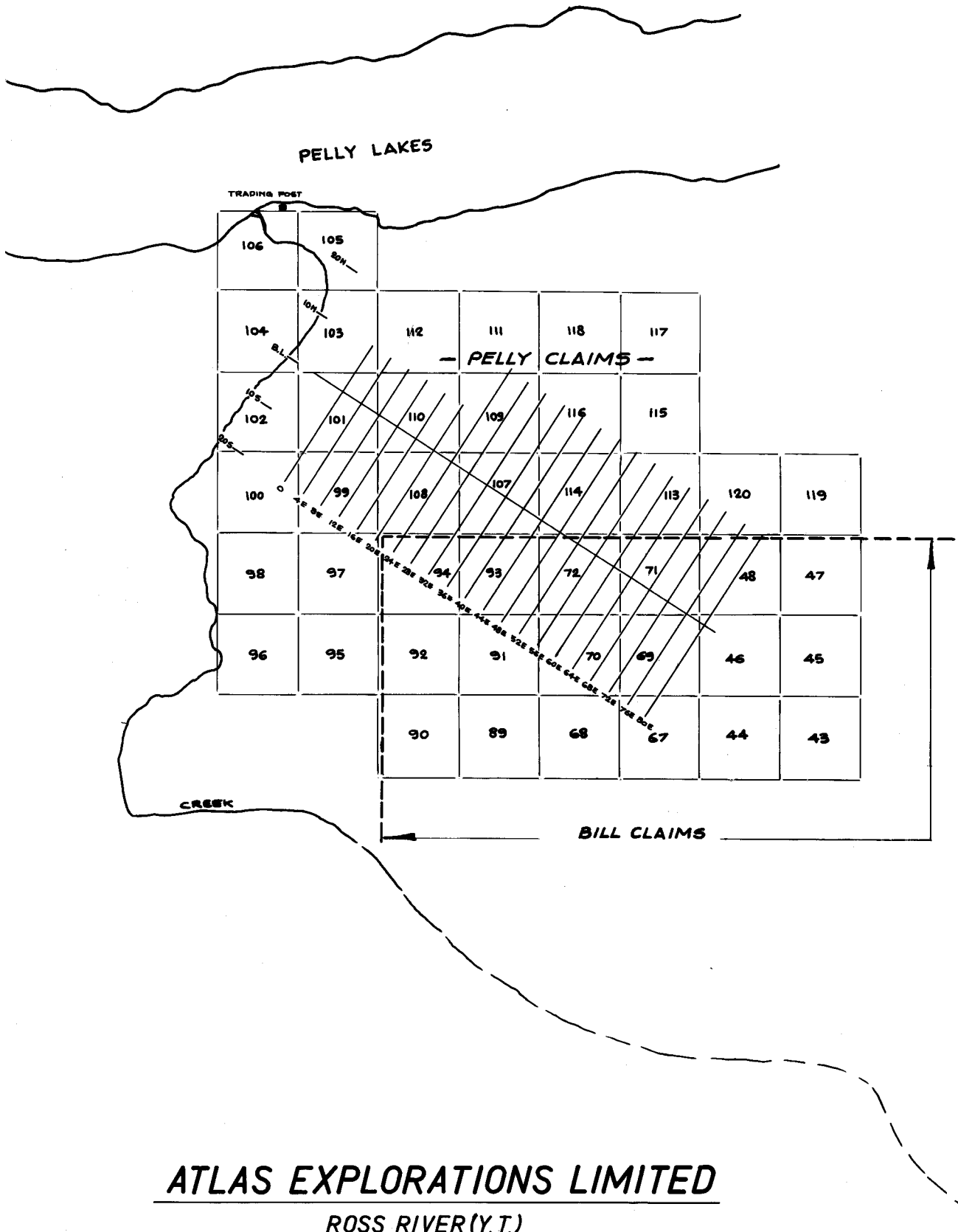


10551

TRAFFIC MOUNTAIN
REGION

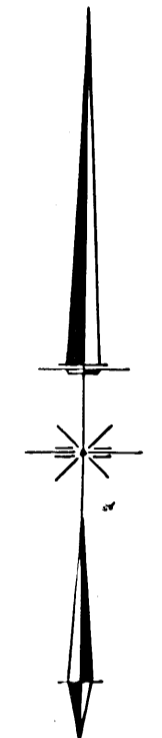
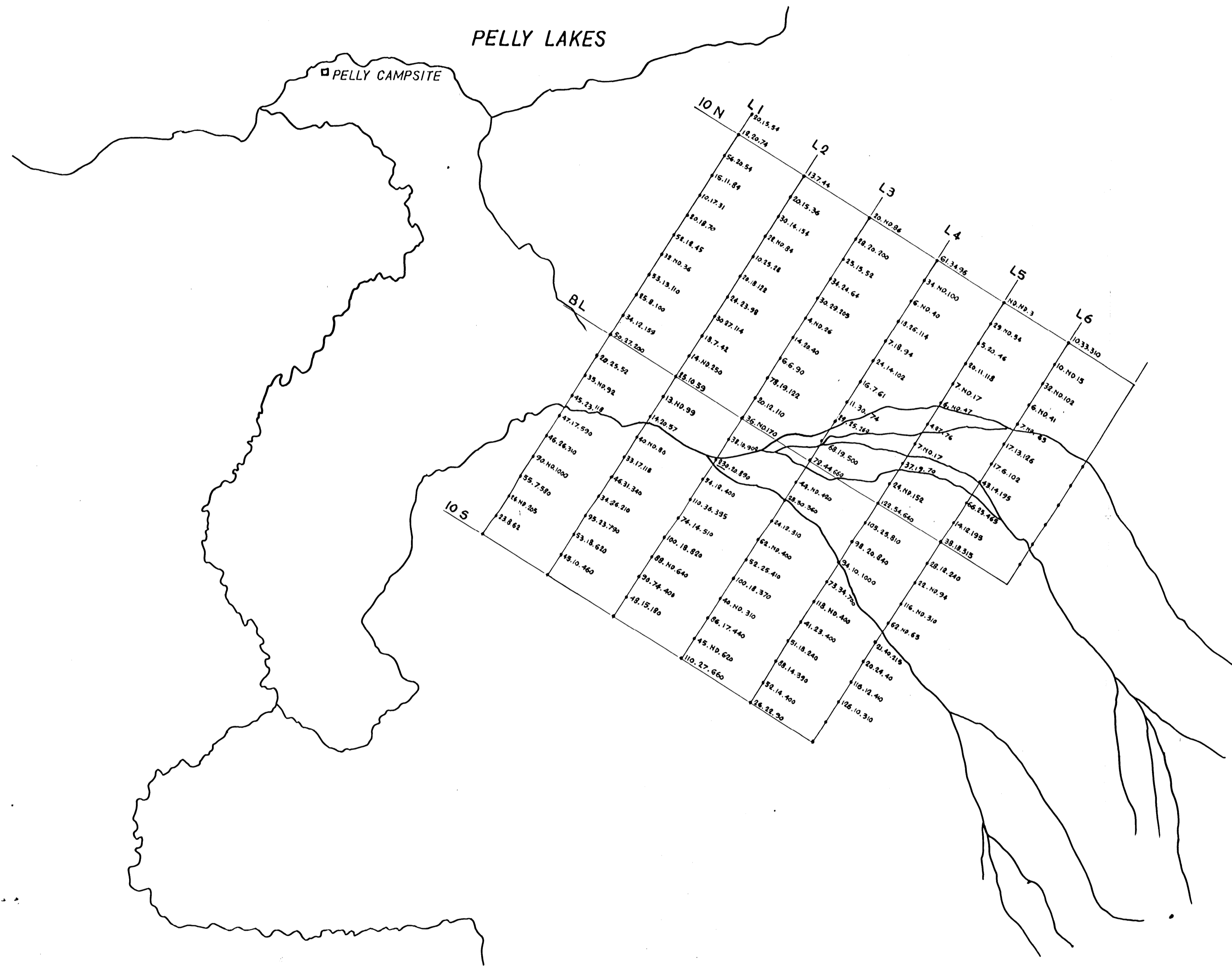
KEY MAP OF BILL CLAIMS + GRID

SCALE 1" = 1/2 MILE



ATLAS EXPLORATIONS LIMITED

ROSS RIVER (Y.T.)



PELLEY LAKES

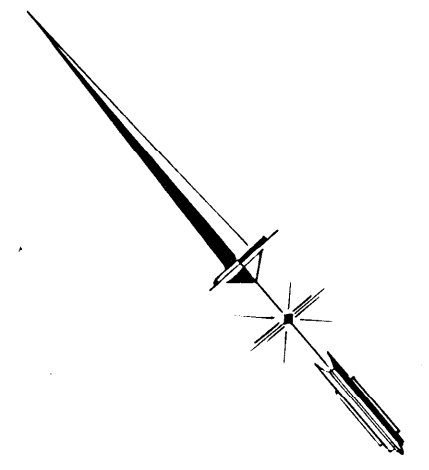
PELLEY CAMPSITE

ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
SHELDON REGION
BILL MINERAL CLAIMS
GEOCHEMICAL SOIL SAMPLING SURVEY, COPPER, LEAD & ZINC
RESULTS, BY ATOMIC ABSORPTION
SPECTROPHOTOMETER ANALYSIS

SOIL SAMPLERS: G.HAYNE, C.WICKS, V.PRATICO
DRAWN BY: P.J.F.VLASVELD
DATE: JULY 1967

1000 0 1000 2000
SCALE IN FEET

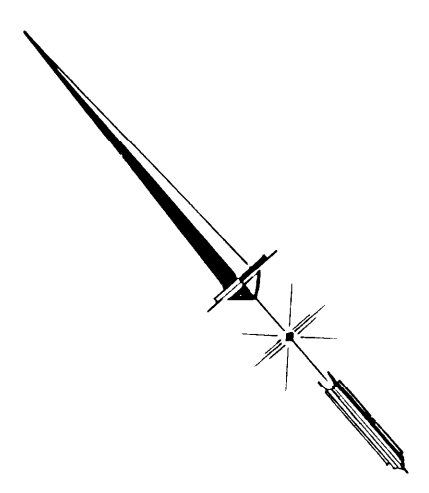
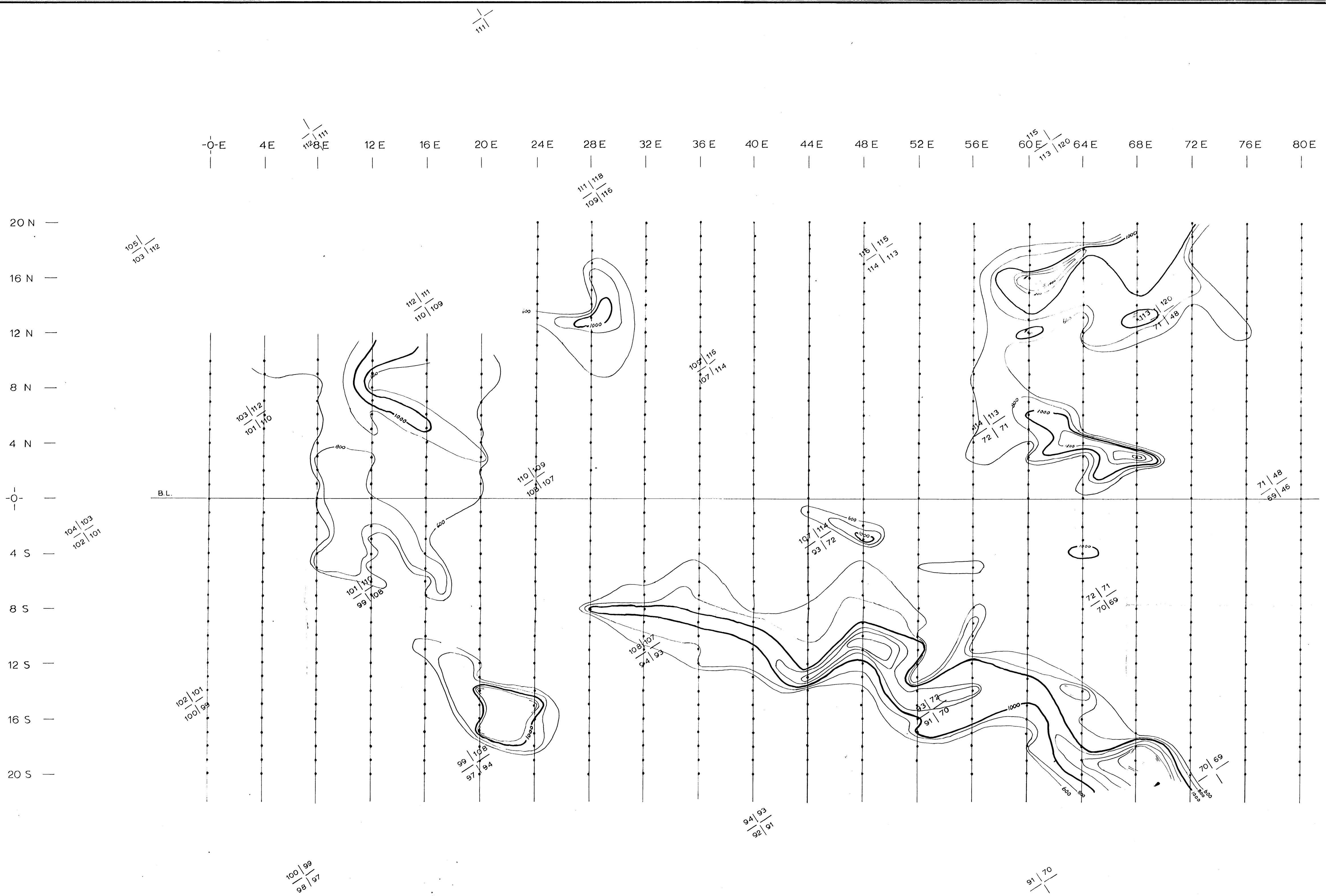
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20 N																						
16 N																						
12 N																						
8 N																						
4 N																						
0																						
4 S																						
8 S																						
12 S																						
16 S																						
20 S																						



ATLAS EXPLORATIONS LIMITED
 ROSS RIVER (Y.T.)
 SHELDON REGION
BILL MINERAL CLAIMS
 GEOCHEMICAL SOIL SAMPLING SURVEY, COPPER, LEAD & ZINC
 RESULTS, BY ATOMIC ABSORPTION
 SPECTROPHOTOMETER ANALYSIS

SOIL SAMPLER : M. SIMPSON DRAWN BY: P.J.F. VLASVELD
DATE : AUGUST 1967

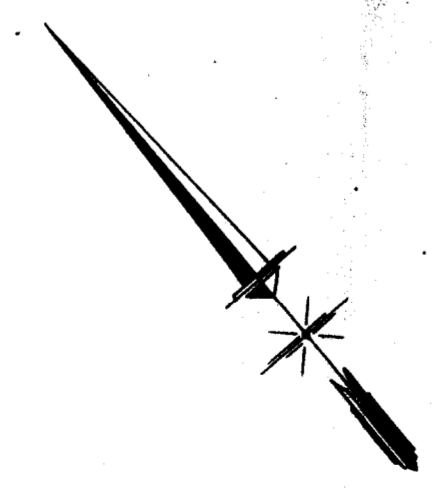
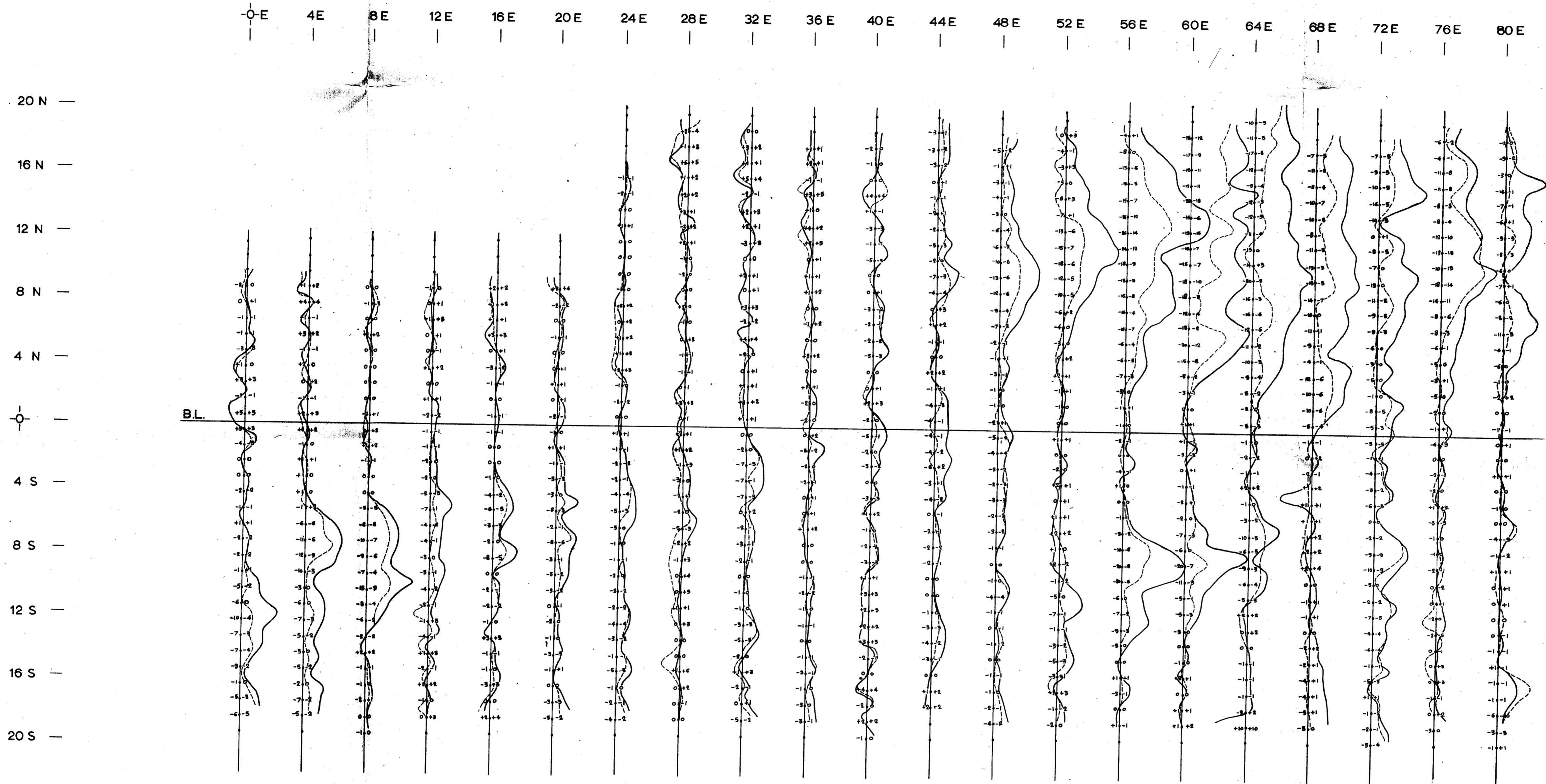
0 400 800
 scale in feet



ATLAS EXPLORATIONS LIMITED
 ROSS RIVER (Y.T.)
 SHELDON REGION
 BILL MINERAL CLAIMS
 GEOCHEMICAL SOIL SAMPLING SURVEY
ZINC CONTOURS

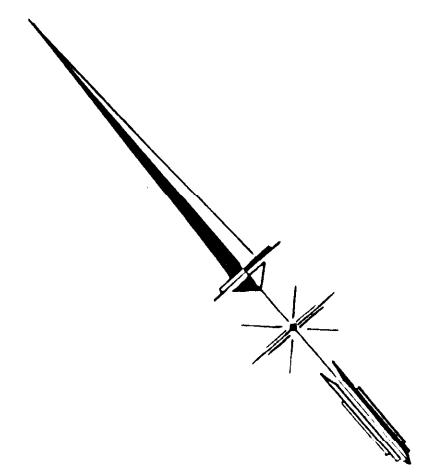
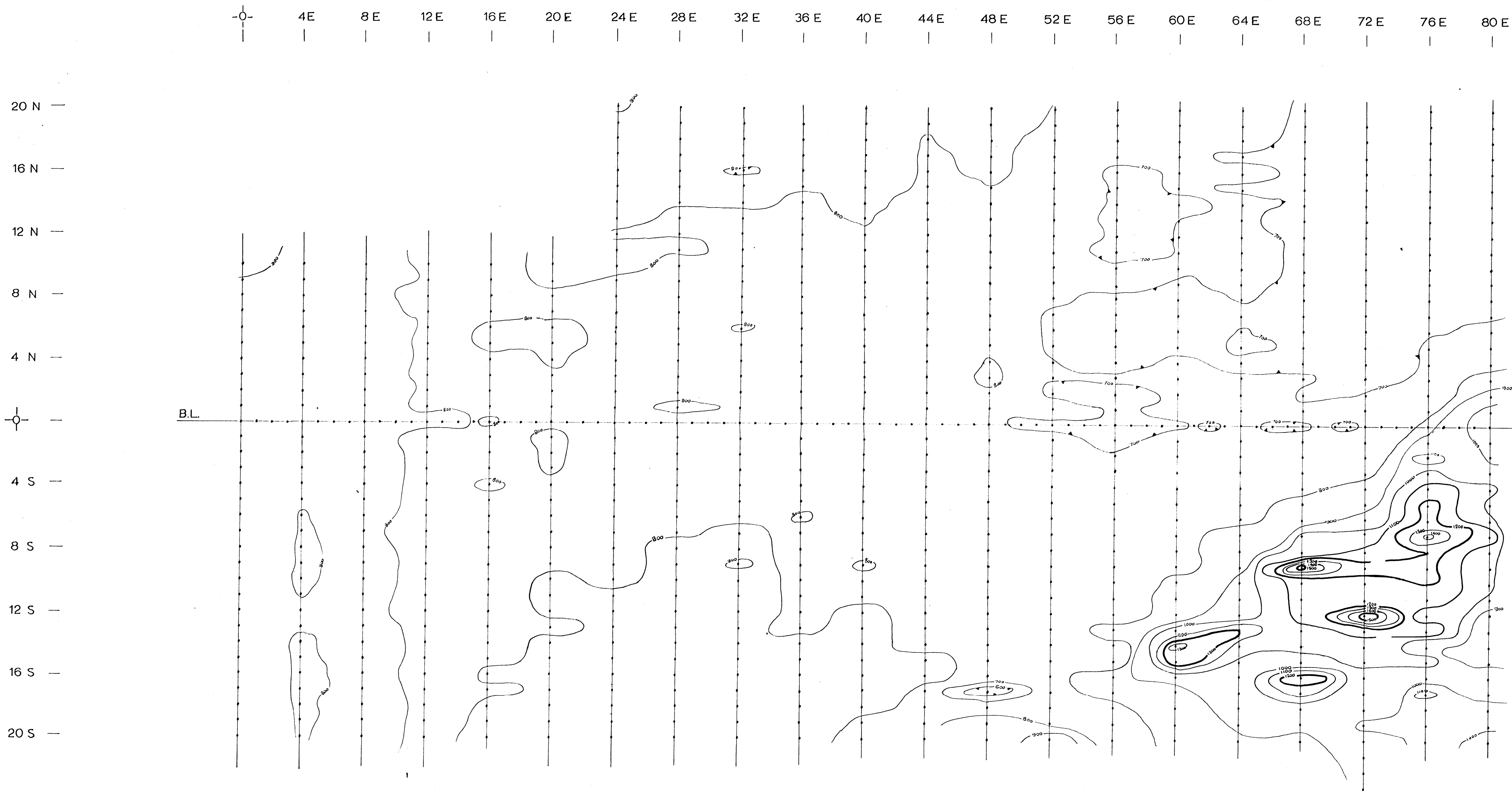
SOIL SAMPLER : M. SIMPSON DRAWN BY : R. J. DARNEY
DATE : OCTOBER 1967

400 0 400 800
 scale in feet



ATLAS EXPLORATIONS LIMITED
 ROSS RIVER (Y.T.)
 SHELDON REGION
 BILL MINERAL CLAIMS
 GROUND ELECTROMAGNETIC SURVEY
 E.M. VALUES & PROFILES

INSTRUMENT: CRONE (JEM) DRAWN BY: P.J.F. VLASVELD
 OPERATOR: J. GALESKI 400 800 DATE: AUGUST 1967
 scale in feet



ATLAS EXPLORATIONS LIMITED
 ROSS RIVER (Y.T.)
 SHELDON REGION
 BILL MINERAL CLAIMS
 GROUND MAGNETOMETER SURVEY
CONTOURS

INSTRUMENT: JALANDER
 OPERATOR: J. GALESKI
 DRAWN BY
 400 0 400 800
 scale in feet

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	(2)	Map A (Geological)
	(3)	Map B (Geochemical)
	(4)	Prospecting Traverses
	(5)	Field Notes

A Brief Geological Report on the Bill Group

(Atlas Explorations Ltd., Sheldon Area)

A four man fly camp was set up about one and one half miles south east of Pelly Lakes Trading Post in the third week of June, 1967. Personnel were:

H. Brodell - Prospector
G. Haynes - Geochemical Samplers
W. Roberts - Geochemical Samplers
R. Dunsmore - Geologist

The aim of the program was to:

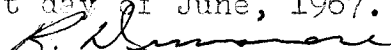
- (1) Map the area with the object of establishing structure and possible structural controls for ore depositions.
- (2) Carry out a comprehensive prospecting coverage of the area.
- (3) Carry out geochemical sampling on a favorably oriented grid covering the anomolous areas found in the previous season.

The area appears to exhibit a geosynclinal lithology and structure. The rocks in the area are a succession of :

Phyllite
Black Chert
Gray Quartzite
Grey Mica Schist
Dolomite
Gray Limestone
Biotite Granite

These rocks are all of intermediate metamorphic grade. The granite is clearly intrusive into the sedimentary sequence. The rusty haloes found in the dolomite and chert seem to suggest the existance of a high-level intrusion below the sediments. This is also suggested by the apparently more complex structure in the rust zones.

Respectfully submitted this
21st day of June, 1967.


R. Dunsmore

Soil Samples

AUGUST 13th / 67

John Galeski

LINE NOS	DRAIN slope	Soil Type	Depth	REMARKS
A 20	15°	Black mud	8"	
18	50°	Black RICHES	8"	
16	55°	organic material	6"	Bedrock immediately under this mass
14	15°	Black mud brown sandy	8"	stream canyon A/6
12	30°		8"	
10	45°	No SAMPLE grey	18"	PERM. FROST
8	45°	mud FROZEN	10"	
6	50°	CLAYISH GRAY	10"	PERM. FROST.
4	60°	CLAYISH GRAY	10"	PERM. FROST
2	50°	GREY clay	8"	
LINE 80W				
2	40°	Sandy	8"	
4	40°	Sandy	8"	
6	30°	Sandy	8"	
8	45°	MUD	10"	
10	5°	Sand	6"	Old stream beds
12	5°	Grey sandy	10"	stream
				Sta 10.5

LINE	DRAIN SLOPE	SOIL TYPE	DEPTH	REMARKS
LINE 80W				
17	10°	sand	8"	
18	10°	Block	10"	FROZEN
18	20°	Brown & R. chips	10"	
20	20°	green clay	10"	
LINE 4W				
10	10°	Clay	6"	
8	0°	Clay	6"	
6	10°	Subs. clay	6"	
4	0°	clay	6"	
2	3°	clay	6"	
LINE 4S				
2	2°	organic material	2"	Perm. FROST
4	10°	organic material	12"	Swampy
6	2°	Clay	3"	No. soil stream stub
8	1°	Black mud	6"	
10	4°	Clay	4"	
12	4°	clay	10"	

5-10

LINE 4 S

14 2° clay 3"

16 Flat clay 4"

18 " clay 4"

20 " clay 8" swamp

LINE 0 S

22 0 S Flat mud 8" swamp

18 1° clay 3"

16 2° clay 5"

14 3° clay 5"

12 5° silty clay 8"

10 3° muddy sand 12" swampy

8 1° reddish clay 10" stream 7.5

6 Flat reddish clay 10"

4 1° gray clay 8"

2 1° gray clay 8"

BILL Group

①

During June 1967 a 4 man camp was put into the BILL Sp. to map and prospect the area in detail. In addition, a geochemical grid was completed. As a result of the mapping and prospecting and especially of 2 fairly large zinc anomalies outlined, it was decided to set a 400' interval grid over the anomalous area. Subsequently, the area was resampled on 100' intervals on the grid and EM and magnetometer were run over the area. As a result of this work, a WINKIE drill hole was spotted on the grid and an attempt was made during the latter part of August to drill this hole. However, surface and overburden conditions forced the hole to be abandoned.

Geology.

The geology to the S of the anomalous area is ^{fairly} simple and consists of steeply N-dipping beds of black chert, gray dolomite, gray chert, phyllite and black & gray ls. The beds become ~~to~~ complexly folded towards the anomalous area. (~~the rocks are in fact~~). The sequence is intruded by a large white granite body, around which is a fairly extensive rusty halo. There is at least one prominent left-lateral normal (?) fault near the N edge of outcrop. One outcrop of black limestone on the S side of the fault is slightly mineralized (3% ± Pb-Zn).
- Because the anomalous area is entirely overburden-covered, it was thought best to pay particular attention to the outcrop on

strike with the linear geochem anomalies.
 (which ~~are~~ ^{strike} within 10° of the local strike.)
 As a result, a few beds of dolomite-limestone
 and gray quartzite were found to be on strike
 with the anomalies. The picture is
 somewhat complicated by the prominent
 fault. *mountain*

geo-chem:

Aug: 13/67

SUM: h. 80

L. 4

L. 0

odd no's.

M. Simpson

	SLOPE DRAIN	SOIL TYPE	DEPTH	REM.
L. 80. S				
Δ 19	55°	brown soil	6"	bed rock
Δ 17	"	"	10"	permafrost
15	20°	black soil	12"	
13	20°	grey sand	10"	permafrost
11	no sample		permafrost	no soil
9	20°	light brown soil	6"	stream - 7/11
7	50°	black soil	14"	permafrost
5	40°	black soil	12"	
3	40°	brown soil	12"	rocky
1	35°	brown gravel	10"	some soil
L. 80. N.				
Δ 1	25°	grey sandy gravel	10"	
Δ 3	"	light brown soil	12"	permafrost
5	20°	grey muddy gravel	12"	
7	20°	grey muddy soil	10"	
9	15°	brown sand	10"	permafrost
11	10°	grey sand	10"	stream
		grey gravel		10.5 E - 7/11

	SLOPE DRAIN	SOIL TYPE	DEPTH	REM.
L 20.N.				
Δ 13	10°	grey sand	12"	
Δ 15	10°	"	10"	permafrost
17	10°	grey soil	8"	
19	10°	grey grey soil	10"	
L 4.N.				
Δ 9	2°	grey soil	8"	
Δ 7	2°	black dirt	8"	brown gravel mix
5	5°	grey - black dirt	10"	
3	2°	black dirt	10"	mix float
1	flat		8"	rocky
L 4.5				
Δ 1	2°	grey black soil	14"	mining dirt
Δ 3	flat	Swampy, no sample		
5	2°	grey brown sand	10"	muddy sand
7	2°	red and brown muddy	10"	crack E-W
9	5°	loose clay grey like	10"	rocky
11	2°	"	8"	gravel

		SLOPE DRAIN	SOIL TYPE	DEPTH	REMARKS
L. H.S.					
	Δ 13	flat	grey brown gravel	8"	
	15	"	grey sandy-clay-like	10"	
	17	"	grey packed soil	8"	
	19	2°	black muddy soil	10"	rocky
L. O.S.					
	Δ 19	flat	blue grey clay	8"	
	Δ 17	"	grey -brackish soil	8"	some rocks
	15	2°	grey sandy soil	6"	
	13	"	black muddy soil	8"	rocky
	11	"		12"	
	9	swampy	no sample		no soil
	7	4°	sandy clay	14"	crack? 7W
	5	2°	grey mud	12"	
	3	"	coarse grey sand	6"	
	1	2°	black gravel	10"	
L. ON					
	Δ 1A	2°	grey rocky soil	10"	

M. SIMPSON

BILL GRID

STA.	SLOPE	SOIL TYPE	DEPTH	REMQ.
LINE 52 NORTH				
-20	FLAT	Sandy clay	8"	
-19	"	"	"	
-18	"	sandy gravel	6"	rock chips at 6"
-17	"	"	2"	rock chips at 6"
16	"	sandy clay	6"	reddish color
15	"	dark gravel	8"	
14	"	dark	8"	black
13	"	"	10"	permafrost
12	"	"	"	
11	"	"	10"	permafrost
10	"	Sandy dirt	12"	
9	2°	sandy dirt	6"	creek flow ^{E. → W}
8	flat	dirt	10"	water table ^{10"}
7	5°	dirt	"	red stain streak
6	5°	dirt	"	
5	flat	sandy clay	6"	
4	flat	dirty clay	6"	grey clay soil
3	swamp			→

L.S. 2.	SLOPE	SOIL TP.	DEPTH	REMA.
3 N	Swamp		→	
2 N	flat	^{sandy} grey clay	8"	deep mud.
1 N	"	grey dirt	8"	permafrost
0	"	brown	8"	"
15	"	grey dirt	6"	
25	"	"	"	
3"	"	gravel grey	"	
4	"	Sand	"	water table compl.
5	2°	gravel	"	water level in gravel
6	flat	^{sand} grey	8"	
7	"	gravel	12"	rock chips gravel
8	2°	^{clay} grey	12"	permafrost
9	"	"sand	8"	"
10	"	"	"	
11	2°	gravel	10"	
12	flat	mud	6"	water table
13	2°	brown	8"	permafrost
14	4°	dk. brown	8"	

	SLOPE	SOIL TYPE	DEPTH	REMARKS
15.5	4°	dirt Brown	8"	creek ♀ E → W.
16"	flat	"	6"	
17	2°	black sand	4"	creek E → W look like phyllite
18	2°	dirt brown	8"	permafrost
19	2°	"	8"	"
20	8°	"	10"	"
LINE 48-S				
20.5	10°	clay grey-dirt	8"	"
19.5	10°	"	6"	gravel
18"	5°	"	6"	permafrost clay grey
17	2°	black	8"	dirt
16	"	grey clay	6"	
15	"	" "	6"	"
14	"	grey sand	"	sandy
13	flat	black	"	dirt
12	5°	red in gravel	8"	gravel
11	2°	dark dirt	8"	♀ clay-dirt

~~XXXXXXXXXX~~ BILL

SOIL SAMPLES

AUGUST 12/67

JOHN GARRETT

	DRAIN	SOIL TYPE	DEPTH	REMARKS
L. 64W	SLOPE			
Δ1	2°	GRAY sand	10"	
2	1"	Gravel	11	
3	"	Clay	10"	PERM. FROST
4	2°	clay	10"	PERM. FROS
5	3°	Grey mud	11"	Stream Δ 5
6	1°	grey mud	10"	
7	2°	Clay	10"	
8	2°	SANDY DIRT	15"	
9	5°	SAND + GRAVEL	8"	
10	3°	SAND + gravel	8"	
11	3°	sand + gravel	8"	
12	2°	grey mud	4"	Stream Δ 13
13	5°	sand + gravel	3"	whole area
14	"	sand + gravel	5"	1/2 of stream
15	"	grey mud	10"	bed (SAG)
16	"	Sand gravel	5"	→ NO soil ANYWHERE
17	2°	fine sand	10"	

	Drain slope	Soil Type	Depth	Remarks
18	3°	gravel	6"	stream 418
19	1°	grey mud	12"	PERM. FROST
20	2°	sandy gravel	5"	old stream bed

LINE 72 N

420 N	2°	gravel sand	2"	
19	10°	grey sand	6"	stream 420
18	10°	sand	5"	
17	20°	sand	4"	stream 416.5
	5°	sand	4"	
15	"	sand	4"	
14	"	sand	3"	
13	"	sand	8"	
12	4°	grey mud	8"	
11	"	sand	10"	Just below vol. ash
10	4°	Black mud	10"	
9	3°	Black mud	7"	
8	10°	Black mud	12"	PERM. FROST

LINE	Drain slope	soil Type	Depth	Remarks
72N				
4	7°	Clay	6"	PERM. FROST
6	45°	NO SAMPLE		(ICE)
5	45°	"		(ICE + FROZEN MOSE)
4	30°	much gravel	10"	Drainage area
3	45°	MWD ice	10"	PERM. FROST
2		ICE - NO	SAMPLE	
1		"		

LINE	Drain slope	soil Type	Depth	Remarks
72S				
1	45°	organic material	12"	FROZEN organic material under ash
2	45°	Black mud	10"	Brain system
3	45°	FROZEN ORGANIC	10"	PERM. FROST
4	"	"	"	"
5		NO SAMPLE		(GRAVEL.)
6	25°	Black mud	10"	
7	25°	Brown mud	8"	
8	20°	Sandy	8"	
9	35°	Sandy	4"	Stream Valley
10				

	Drain slope	Soil Type	Depth	Remarks
10	20°	sandy	6"	
12	20°	sandy clay	6" →	Stream canyon
13	10°	PERM. ORGANIC	12"	PERM. FROST.
14	20°	Sandy	8"	
15	45°	grey mud	8"	PERM. FROST
16	50°	sandy mud	10"	
17	55°	sand mud	8"	
18	NO	SAMPLE (PERM. FROST)		
19	55°	sandy mud	10"	
20	55°	sand	5"	
LINE 68 S				
20	30°	sandy mud	6"	
18"	40°	sandy	6"	
16	20°	Sandy	10"	PERM. FROST
14	30°	sandy	12"	
12	30°	Rocky grey	12"	PERM FROST
10	20°	Black mud	10"	

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Chris Beatt

AREA Bill

DATE July 28, 1967

PROJECT Sheldon

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
Bill CS. 30	L24 10/100 N	↑	light brush	light brown dirt										
31	11 "	↑		grey dirt			12" organic							
32	12 "	↑		light brown sand				on creek bed						
33	13 "	↑		"			"							
34	14 "	↑		"			"							
35	15 "	↑		"			"	14" ash layer						
36	16 "	↑		grey-black clay				12" ash						
37	17 "	↑		"			"	possibly ash - by swamps						
38	18 "	↑		brown clay				from creek bed						
39	19 "	↑	SWAMP	NO SAMPLE										
40	20 "			Grey clay				possibly ash						

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Chris Scott

AREA Shelton

DATE July 28

PROJECT Bill

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
Bill C.S. 20	L24 201005	1	light brush	grey gravel	9"	ash + organic								
19	19	1		dark grey dust		12"	ash							
18	18	1		fine brown dust		15"	ash + organic							
17	17	1	NO STATION	grey-brown dust			rocks present							
16	16	1		grey-brown dust			rocks present							
15	15	1		grey dust			perma frost - deep ash							
14	14	1		grey-brown dust			deep organic layer							
13	13	1		brown (some waxy colored) dust			organic layer deep							
12	12	1	NO SAMPLE -	SWAMP!										
11	11	1		grey mud			deep ash							
10	10	1		silt			from small stream							
9	9	1		grey dust			organic layer deep							
8	8	1		grey-brown gravel										
7	7	1		brown dust			sample taken on road							
6	6	1		grey mud			12" ash + organic							

BILL GP.

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-18 — Pa Run Weight of Sample 0.5g
 From PEU7 — Checked Extraction Hot HCl - HNO₃
 Tested For Cu Pb Zn OK. Volume Used 10mls.
 Date 6 July 67 B.O.D. Analyst J.BOW + HAR

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
1	6N-10 P 124		80		33		310			
2	6N-9 125		10		ND		15			
3	2 6N-8 126		32		ND		102			
4	6N-7 127		6		ND		41			
5	3 6N-6 128		7		ND		63			
6	6N-5 129		17		13		126			
7	6N-4 130		17		6		102			
8	6N-3 131		43		14		195			
9	6N-2 132		66		25		465			
10	6N-1 133		14		12		194			
11	6 B.L. 134		38		18		315			
12	135		28		12		240			
13	P 136		22		ND		94			
14	137		116		ND		310			
15	138		62		ND		63			
16	139		21		40		215			
17	140		20		24		40			
18	141		116		12		410			
19	142		126		10		310			
20	4 B.L. 143		44		ND		420			
21	144		28		30		360			
22	145		24		12		310			
23	146		62		ND		400			
24	147		52		25		410			
25	P 148		100		18		310			
26	149		40		ND		310			
27	150		86		17		440			
28	151		45		ND		620			
29	152		110		27		660			
30	153		38		10		900			
31	154		230		20		890			
32	155		54		12		400			
33	156		110		36		395			
34	157		74		14		510			
35	158		100		18		820			
36	159		88		ND		640			
37	P 160		90		74		400			
38	161		48		15		180			
39	5N-10 W 259		ND		ND		3			
40	5N-9 260		29		ND		54			
41	5N-8 261		5		20		46			
42	5N-7 262		20		11		168			

PLOTTED

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-18
 From PELLE
 Tested For Cu Pb Zn
 Date 6 July 67

Weight of Sample 0.5g
 Extraction Hot HCl-HNO₃
 Volume Used 10mls
 Analyst _____

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
43	5N-6 W-263		7		ND		17			
44	5N-5 264		6		ND		47			
45	5N-4 265		4		27		76			
46	5N-3 266		7		ND		17			
47	5N-2 267		37		19		70			
48	5N-1 268		24		ND		152			
49	5-B.H.W-269		<u>122</u>		54		<u>640</u>			
50	5S-1 270		<u>105</u>		25		<u>810</u>			
51	5S-2 271		98		20		<u>840</u>			
52	5S-3 272		94		10		<u>1000</u>			
53	5S-4 273		73		34		<u>700</u>			
54	5S-5 274		<u>118</u>		ND		<u>400</u>			
55	5S-6 275		41		23		<u>400</u>			
56	5S-7 276		51		18		<u>240</u>			
57	5S-8 277		88		14		<u>390</u>			
58	5S-9 278		52		14		<u>400</u>			
59	5S-10 279		26		22		90			
60	4N-11 H-580		61		34		96			
61	4N-9 H-581		34		ND		100			
62	4N-8 582		6		ND		40			
63	4N-7 583		18		26		114			
64	4N-6 584		7		18		94			
65	4N-5 585		24		14		102			
66	4N-4 586		16		7		61			
67	4N-3 587		11		30		74			
68	4N-2 588		29		25		260			
69	4N-1 589		68		19		<u>500</u>			
70	4-B.L. 590		72		44		<u>660</u>			
71	3-B.L. 591		36		ND		170			
72	3N-1 592		20		12		110			
73	3N-2 593		78		19		122			
74	3N-3 594		6		6		90			
75	3N-4 595		14		20		40			
76	3N-5 596		4		ND		26			
77	3N-6 597		30		29		205			
78	3N-7 598		34		24		64			
79	3N-8 599		25		15		62			
80	3N-9 600		28		20		200			
81	3N-10 601		20		ND		86			
82	2N-10 602		13		7		44			
83	2N-9 603		20		15		36			
84	2N-8 604		30		14		154			

PLOTTED

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-18
 From PELGY
 Tested For Cu Pb Zn
 Date 6 July 67

Weight of Sample 0.5g
 Extraction Hot HCl-HNO₃
 Volume Used 10mls
 Analyst _____

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
OURS	YOURS												
85	2N-7 H 605		22		ND		84						
86	2N-6 606		10		25		28						
87	2N-5 607		20		18		122						
88	2N-4 608		24		23		98						
89	2N-3 609		30		27		114						
90	2N-2 610		18		7		42						
91	2N-1 611		14		ND		250						
92	2B.L. 612		25		10		59						
93	2S-1 613		13		ND		99						
94	2S-2 614		14		20		51						
95	2S-3 615		40		ND		80						
96	2S-4 616		33		17		118						
97	2S-5 H 617		46		31		<u>340</u>						
98	2S-6 618		34		26		210						
99	2S-7 619		95		23		<u>790</u>						
100	2S-8 620		53		18		<u>620</u>						
101	2S-9 621		45		10		<u>460</u>						
102	1S-8 622		23		8		62						
103	1S-8 623		26		ND		205						
104	1S-7 624		55		7		<u>550</u>						
105	1S-6 625		90		ND		<u>1000</u>						
106	1S-5 626		46		26		<u>310</u>						
107	1S-4 627		47		17		<u>590</u>						
108	1S-3 628		45		23		118						
109	1S-2 H 629		35		ND		92						
110	1S-1 630		20		25		52						
111	1-B.L. 631		50		27		200						
112	1N-1 632		34		12		159						
113	1N-2 633		25		8		100						
114	1N-3 634		53		13		110						
115	1N-4 635		32		ND		36						
116	1N-5 636		52		12		45						
117	1N-6 637		20		18		70						
118	1N-7 638		10		17		31						
119	1N-8 639		15		11		84						
120	1N-9 640		56		20		54						
121	1N-10H-641		12		20		74						
122	1N-11H 642		20		15		54						

PLOTTED.

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR G. HAYNE

AREA BILL GRP.

DATE JULY, 1967

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-595	3N-4	40°		clay	16"	grey								
H-596	3N-5	40°		clay	8"	grey	pebbly							
H-597	3N-6	30°	top of knoll	clay	8"		sandy							
H-598	3N-7	50°	lower part of slope	clay	7"	red-brn.								
H-599	3N-8	60°	thick moss	shaly	12"	rusty								
H-600	3N-9	35°	slope below cliff	sandy clay	8"	grey-brn.								
H-601	3N-10	35°		clay	10"	grey	gravelly							
H-602	2N-10	swampy		clayey	14"	grey								
H-603	2N-9	flat	marshy	"	12"	"								
H-604	2N-8	10°	marshy	"	12"	"								
H-605	2N-7	30°	5 yds N of small creek	sandy	16"	"								
H-606	2N-6	flat		clay	16"	"								
H-607	2N-5	10°	marshy	"	10"	"								
H-608	2N-4	10°		clay	10"	grey	pebbly							
H-609	2N-3	flat		clay	10"	"	"							

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR G. HAYNE

AREA BILL GRP

DATE JULY, 1967

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-624	IS-7	20°		clay	12"	gray-brn.								
H-625	IS-6	10°		clay	14"	gray								
H-626	IS-5	10°		clay	10"	gray	sandy	just North of road						
H-627	IS-4	<10°		clay	12"	gray	sandy							
H-628	IS-3	20°		clay	14"	"	gravelly							
H-629	IS-2	<10°		clay	10"	gray-brn								
H-630	IS-1	flat	marshy	"	12"	"								
H-631	I-0-0	10°		clay & silt	18"	gray								
H-632	IN-1	flat		clay	12"	gray	sandy							
H-633	IN-2	15°		clay	12"	gray-brn	pebbly							
H-634	IN-3	15°		clay	14"	gray								
H-635	IN-4	10°		clay	14"	gray	sandy							
H-636	IN-5	flat		clay	12"	dark gray								
H-637	IN-6	flat	marshy	clay	16"	gray	pebbly							
H-638	IN-7	20°		clay	8"	gray	slaty							

BILL GP.

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Val Pratico

AREA _____

DATE July 1

PROJECT Bill Group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
P-124	H-445													
-125	H-446													
-126	447 SL6			sandy Gravel	6"	Grey								
-127	448				2'			No soil (Permafrost)						
-128	449			Gravel	2'	Grey								
-129	450			Gravel	1'	Grey								
-130	451			Gravel	2 1/2'	Grey								
-131	452			Gravel	1'	Black		between 1 st and 2 nd creek						
-132	453			sandy	1 1/2'	Black								
-133	454			sandy Gravel	6"	Brown								
-134	455			Gravel	8"	Black		600' between 133 & 134 3 rd stream at + 72						
-135	456			sandy Gravel	8"	Grey								
-136	457			Gravel	1'	Grey								
-137	458			Gravel	1'	Black								
-138	459				2'			No soil 600' between 138 & 139						

BILL**BONDAR-CLEGG & COMPANY LTD.****GEOCHEMICAL SOIL SURVEY DATA**COLLECTOR C. Wickes

AREA _____

DATE July 31/67.PROJECT Bill Group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
W-259	SC 5-10N S.L.5-1		Hillside	Ash	36"	White	Sandy	Very rocky ground					
W-260	S.L.5-2		---	---	24"	---	---	Partly organic					
W-261	S.L.5-3		---	Clay	18"	Grey	Pebbly	---					
W-262	S.L.5-4		---	---	10"	Grey Brown	Gravelly	---					
W-263	S.L.5-5		---	---	6"	---	Pebbly	Ground very rocky					
W-264	S.L.5-6		---	---	16"	---	---	---					
W-265	S.L.5-7		---	---	8"	---	Gravelly	---					
W-266	S.L.5-8		---	---	24"	---	---	---					
W-267	S.L.5-9		---	---	18"	Black	Clay	---					
W-268	S-1N S.L.5-10		---	---	12"	Grey	Pebbly	---					
W-269	S-BL S.L.5-11		Level land	---	6"	Black	Gravelly	---					
W-270	S-1S. S.L.5-12		---	---	---	---	---	---					
W-271	S.L.5-13		---	---	8"	---	---	---					
W-272	S.L.5-14		---	---	14"	---	---	---					
W-273	S.L.5-15		---	---	10"	Grey	Gravelly	---					

Bill GP

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Gerry Hayne

AREA _____

DATE June 15

PROJECT Bill Group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-304			slope	Shale	5"									
H-305			flat	Shale	8"									
H-306			flat	Shale	6"									
H-307			flat	lot of organic	12"									
H-308			edge of stream	greyish	16"									
H-309			flat	shale	12"									
H-310			flat	grey soil	12"									
H-311			flat	grey dirt	12"									
H-312			flat	grey brown	6"									
H-313			flat	shaley	12"									
H-314			slight slope	brown shaley	10"									
H-315			slight slope	greyish dirt	10"									
H-316			slight slope	brown organic	12"									
H-317			40° slope	grey soil	10"									
H-318			40° slope	grey clay	10"									

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Gerry Hayne

AREA _____

DATE June 15

PROJECT Bill group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-319			50° slope	brown + org.	20"									
H-320			slope	brown soil	16"									
H-321			slope. On top of ridge	grey clay	10"									
H-322			slope	clay	12"									
H-323			top of knoll	rusty clay	12"									
H-324			slope	shale	8"									
H-325			slope before creek	brown	12"									
H-326			grey steep slope	grey gravelly	10"									
H-327			slope	grey clay	10"									
H-328			steep slope	grey clay	12"									
H-329			slope	brown	16"									
H-330			slope	grey	12"									
H-331			slope between ridges	shaley clay	8"				last sample in line.					
H-332			steep slope ridge bet. 2 large ridges	gravel + sand	8"				1st for #4 line starting a Sand.					
H-333			steep slope	grey clay	10"									

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR Gerry Hayne

AREA _____

 DATE June 15th + 16th

 PROJECT Bill group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-334			steep slope	black + org.	16"									
H-335			steep slope ridge	brown + org.	16"									
H-336	-		steep slope, just over rock slide on N side	brown org.	16"			Last sample on June 15th.						
H-337			between 2 Cr.s above camp	grey, silty shale	8"			1st Sample on 5th line going south						
H-338			slope (just over creek)	fine grey shale	8"			H2 on line 5						
H-339			slope	fine shale	8"									
H-340			50° slope	fine shale	12"			(last samples line 4 are # 336-340)						
H-341			50° slope	brown org.	20"									
H-342								missing						
H-343			40° slope	brown sandy	12"									
H-344			50° slope	brown shaley	10"			just before stream						
H-345			45° slope	brown + org.	24"									
H-346			45° slope	brown + org.	20"									
H-347			55° slope	grey shaley	18"									
H-348			on ridge	brown with sand.	12"			late stampings						

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR W Roberts & G Hayne

AREA Bill Group

DATE _____

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
H-394	line 6	75°	hillside	clay	12"	brown	-	Some organic					
~~~~~													
H-395	Extension of	10°	hillside	clayey	10"	grey	pebbly	small rise					
H-396	Line 3	10°	— — —	sandy	8"	light brown	— —	knoll					
H-397	"	25°	— — —	clayey	12"	brown	— —						
H-398	"	50°	— — —	— —	15"	— —							
H-399	"		— — —	— —	12"	— —		small dip					
H-400	"		— — —	— —	8"	light brown		some shale					
H-401	"	40°	— — —	sandy	12"	— —	gravelly						
H-402	"	60°	— — —	clayey	10"	red brown							
H-403	"	20°	— — —	— —	12"	grey							
H-404	"		— — —	— —	10"	— —	sandy	small knoll					

# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR G. Hayne & W. Roberts

AREA Bill Gr.

DATE _____

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-405	Line-2		swampy	clayey	15"	grey								
H-406	extension		hillside	---	8"	---	pebbly	flat area						
H-407	"	10°	---	---	12"	brown		some organic						
H-408	"		---	---	12"	grey	pebbly	old creek bed						
H-409	"			---	20"	brown		flat area						
H-410	"	20°		---	12"	grey		swampy						
H-411	"		---	---	18"	---		muskeg						
H-412	"		---	---	15"	grey brown	---	near creek						
H-413	"	10°	---	---	12"	grey								
H-414	"		---	---	15"	---	pebbly	muskeg						

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# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR G. Hayne, W Roberts

AREA Bill Gp

DATE _____

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-415	extension D	-	Swampy	clayey	12"	grey								
H-416			level area	sandy	10"	---								
H-417	Line 1		---	---	12"	---								
H-418		5°	hillside	---	10"	---	clayey	small lantol						
H-419	"		level area	---	15"	brown		muskeg						
H-420		3°	hillside	clayey	10"	grey								
H-421	"	4°	---	---	12"	red brown								
H-422	"	8°	---	---	10"	grey	pebbly							
H-423	"	6°	---	---	8"	---	gravelly							
H-424			---	---	12"	---	---							
~~~~~														
H-425	extension	60°	---	clayey	8"	red brown	gravelly							
H-426	D	70°	---	---	10"	brown	---							
H-427	Line 4		---	---	8"	---		hill crest						
H-428				silty	8"	rusty brown		ridge crest						

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR G. Hayne, W Roberts

AREA Bill GP

DATE _____

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-429	Line 4	50°	hillside	silty	8"	rusty brown								
H-430	extension	40°	---	clayey	15"	light brown	pebbly							
H-431	"	20°	---	---	15"	grey	---							
H-432	"	20°	---	---	10"	---								
H-433	"		level area	---	10"	---								
H-434	"		hillside	---	10"	---	pebbly	near creek						
~~~~~														
H-435	Line 5	5°	hillside	sandy	10"	grey	pebbly	near creek						
H-436	extension	5°	---	---	8"	---	---	---						
H-437		20°	---	clayey	20"	brown								
H-438		15°	---	sandy	14"	grey								
H-439		25°	---	clay	28"	grey								
H-440		20°	---	---	12"	---								
H-441		30°	---	---	14"	---								
H-442		30°	---	---	16"	---								

Bill GP

**BONDAR-CLEGG & COMPANY LTD.**

**GEOCHEMICAL SOIL SURVEY DATA**

COLLECTOR G. Hayre, W. Pelats

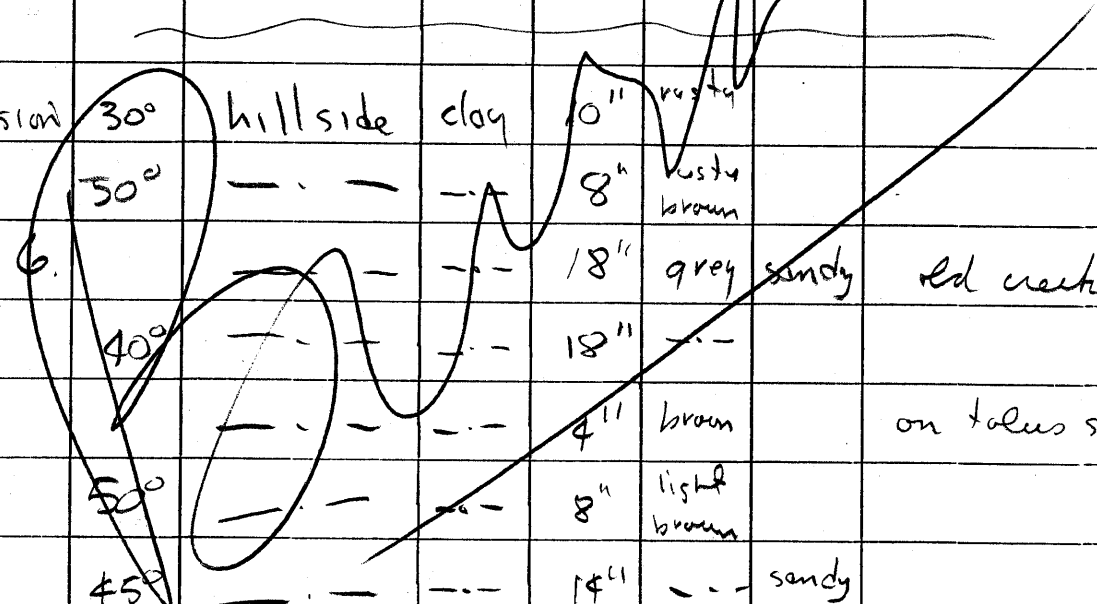
DATE _____

PROJECT _____

AREA _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H 443	extension of	35°	hillside	sandy	16"	grey								
H 444	line 5	60°	---	clay	10"	rusty								
H-445	extension of	30°	hillside	clay	10"	rusty								
H-446		50°	---	---	8"	rusty brown								
H-447	Line 6		---	---	18"	grey	sandy	red creek bed						
H-448		40°	---	---	18"	---								
H-449			---	---	4"	brown		on talus slope						
H-450		50°	---	---	8"	light brown								
H-451		45°	---	---	14"	---	sandy							
H-452		30°	---	sandy	12"	---								
H-453		15°	---	---	8"	grey		near creek						
H-454		30°	---	---	12"	---	pebbly							



# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR G. Hagne W. Roberts

AREA Bill Gp

DATE _____

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-456	Line 7	30°	hillside	sandy	12"	brown								
H-457	m	35°	---	muddy	18"	black		m us/leg						
H-458	map	30°	---	clay	20"	grey								
H-459		15°	---	sandy	15"	grey		old creek bed						
H-460		65°	---	clay	18"	brown								
H-461		60°	---	---	16"	grey								

# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Ge. Hynes & W. Roberts

AREA Bill Group

DATE _____

PROJECT _____

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
H-389	Line no. 6	55°	hillside	clayey	16"	grey	clayey	gravelly					
H-380	— 6	75°	— —	sandy	20"	brown	---	some organic					
H-381	—	—	— —	---	12"	brown	sandy	near creek					
H-382	—	30°	— —	---	18"	---	---						
H-383	—	50°	— —	clayey	16"	grey							
H-384	—	50°	— —	---	14"	---	pebbly						
H-385	—	45°	— —	---	12"	---	---	top of level					
H-386	—	70°	— —	mud	18"	dark brown	gravelly						
H-387	—	75°	— —	sandy	20"	---		some organic					
H-388	—	55°	— —	clay	16"	grey	gravelly						
H-389	—		— —	---	8"	---	---	creek bank					
H-390	—	70°	— —	---	10"	---	---						
H-391	—		— —	sandy	14"	brown		top of level					
H-392	—	70°	— —	clay	14"	grey	gravelly						
H-393	—	65°		---	12"	---	---						

# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Gerry Hayne

AREA _____

DATE June 16th to 17th

PROJECT Bill group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS			
H-349			Top of ridge	grey & reddish fine shale	8"			Shale outcroppings				
H-350			Top of next knoll	fine red shale	6"							
H-351			Top of knoll on ridge	shaley	18"							
H-352			ridge	black + org.	20"							
H-353								missing				
H-354			side of ridge	grey clay	24"							
H-355			slope beside stream	fine shale	8"							
H-356			Beside small spring at top of ridge	grey clay	4"							
H-357			60° slope	fine shale	14"							
H-358			top of ridge	black org.	20"			End of line 5, just past granite ravine. Last sample on 16 th				
H-359			145° slope edge of stream	dark grey clay	10"			Start line 4				
H-360			beside next creek going S	dark grey sandy shale	8"							
H-361			slight slope	gravelly grey clay	8"							
H-362			slight slope	black + org.	16"			missed 300'				
H-363			muskeg edge of swamp	sandy grey	10"							

# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Gerry Hayne

AREA _____

DATE June 17

PROJECT Bill group

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS					
H-364			slight slope	fine grey shale	10"									
H-365			just across stream	fine grey shale	10"									
H-366			small ridge	grey fine shale	12"									
H-367			top of knoll	Sandy clay	8"									
H-368			side of ridge	fine clay + shale	20"									
H-369			top of ridge 45° slope	dark grey clay	12"									
H-370			side of ridge	org. & grey clay	20"									
H-371			45° slope point of ridge	grey pebbly clay	18"									
H-372			top of ridge	Shaley	8"									
H-373			25° slope up along ridge	gravelly grey clay	12"									
H-374			beside creek on ridge	fine grey clay	8"									
H-375			hill crest	grey clay	8"									
H-376			on knoll	light brown sandy	12"									
H-377			20° slope side of ridge	grey gravelly clay	10"									
H-378			side of ridge	grey clay	14"				last sample June 17					

June 15 BILL GP

Wayne Roberts

**BONDAR-CLEGG & COMPANY LTD.**

Bill Group

**GEOCHEMICAL STREAM SEDIMENT SURVEY DATA**

Soil

SAMPLE NO.	LOCATION	PHYSIOGRAPHY	STREAM SIZE C.F.S. type	STREAM GRADIENT depth	SAMPLE DISTRIBUTION			COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
					R	A	L								
R-212		hillside	clayey	15"				dark grey	clayey	—					
R-213		—	sandy	10"				brown	sandy	with pebbles					
R-214		—	clayey	12"				black	<u>clayey</u>	—					
R-215		—	—	10"				light grey	—	—					
R-216		near creek	sandy	12"				—	sandy	—					
R-217		hillside	clayey	8"				—	clayey	level area					
R-218		—	—	10"				grey	—	—					
R-219		on edge of creek	—	12"				dark brown	—	—					
R-220		knoll	sandy	10"				light grey	sandy	knoll					
R-221		level area	organic	15"				black	organic	swampy					
R-222		—	—	78"				—	—	—					
R-223		hillside	pebbly	15"				grey	sandy	hillside					
R-224		—	—	10"				—	—	—					
R-225		—	sand	8"				light brown	—	—					
R-226		—	—	10"				—	—	—					

# BONDAR-CLEGG & COMPANY LTD.

## GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR Wayne Roberts

AREA Bill Group

DATE June 15

PROJECT Sheldon

LOCATION REF. _____

SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICAL RESULTS				
R-227		10°	hillside	clayey	10"	light brown	clayey	hill crest					
R-228		6°	— — —	— —	12"	— —	pebbly	— — —					
R-229		6°	— — —	— —	4"	— —	— —	— — —					
R-230		6°	— — —	sandy	15"	light grey		small dip					
R-231		20°	— — —	clayey	20"	light brown	pebbly	hill side					
R-232		15°	— — —	sandy	8"	— —	— —	knoll					
R-233		20°	— — —	organic	24"	black		dip					
R-234		—	— — —	— —	10"	— —		near creek					
R-235		10°	— — —	gravel	20"	grey	pebbly						
R-236			— — —	clayey	10"	— —	— —	small dip					
R-237			— — —	— —	20"	— —		swamp					
R-238			— — —	organic	20"	dark brown		— — —					
R-239			— — —	— —	20"	— —		— — —					
R-240			— — —	clayey	8"	grey	pebbly	swampy					
R-241			— — —		10"	black	gravelly	— — —					

← missed 600'



# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-45  
 From Pay  
 Tested For Cu-Pb-Zn  
 Date Aug 5/67

Weight of Sample 1.5g  
 Extraction ANO₃ + HCl  
 Volume Used 10 ml  
 Analyst JBOB + DGM S

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
83	BILL L525A1	59		16		370				1
84	A2	94		50		490				2
85	<del>Pit # 8-18-24"</del>	20		22		200			Bill L525A3	
86	<del>12-18"</del>	40		22		225				4
87	<del>6-12"</del>	58		24		600				5
88	<del>0-6"</del>	40		30		500				6
89	<del>L4085 A205</del>	46		26		360				7
90	<del>A195</del>	50		14		400				8
91	<del>A185</del>	50		14		600				9
92	<del>A165</del>	64		22		380				10
93	<del>A155</del>	69		22		1370				11
94	<del>A145</del>	34		16		115				12
95	<del>A135</del>	55		24		105				13
96	<del>A125</del>	51		28		1250				14
97	BILL L525A3	168		28		1250				15
98	A4	100		20		880				16
99	A5	134		31		1080				17
100	A6	74		36		490				18
101	A7	82		46		390				19
102	A8	5		ND		52			Biogenic	
103	A9	16		22		250			Bill L485A20	
104	A10	32		22		220				19
105	A11	20		18		200				18
106	A12	106		54		540				17
107	A13	4		ND		14			volcanic ash	15
108	A14	26		20		220				14
109	A15	37		16		740				13
110	A16	39		14		900				12
111	A17	56		24		1750				11
112	A18	64		40		1550				10
113	A19	37		20		760				9
114	A20	66		20		1,080				8
115	BILL L48-S A20	93		22		670				7
116	A19	128		16		780				6
117	A18	240		50		850				5
118	A17	52		ND		320				4
119	A15	114		22		1020				3
120	A14	108		50		650				2
121	A13	72		30		510				1

PLOTTER



# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-50  
 From ~~XXXX~~ BILL  
 Tested For Cu Pb Zn  
 Date 13 Aug 67

Weight of Sample 0.5g  
 Extraction H₂SO₄-HNO₃  
 Volume Used 10 ml  
 Analyst J.BOD + D.G.M.S

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
1	L12N-Δ1		54		36	<del>(37.4)</del>	600			
2	Δ2		126		41	<del>(45.1)</del>	730			
3	Δ3		108		48	<del>(38.7)</del>	880			
4	Δ4		80		30	( )	570			
5	Δ5		120		53	( )	920			
6	Δ6		54		17	( )	440			
7	Δ7		142		55		1100			
8	Δ8		90		41		770			
9	Δ9		128		57		880			
10	Δ10		115		41		1030			
11	L.16S Δ1		55		18		975			
12	Δ2		87		50		770			
13	Δ3		64		43		600			
14	Δ4		48		41		690			
15	Δ5		94		62		1200			
16	Δ6		48		24		570			
17	Δ7		19		14		1010			
18	Δ8		18		28		315			
19	Δ9		20		14		440			
20	Δ10		20		14		460			
21	L.8N Δ1		34		24		590			
22	Δ2		70		29		820			
23	Δ3		56		44		820			
24	Δ4		75		39		790			
25	Δ5		32		14		430			
26	Δ6		22		29		460			
27	Δ7		62		20		680			
28	Δ8		54		20		460			
29	Δ9		102		46		680			
30	Δ10		43		44		470			
31	L.12S Δ20		17		16		80			
32	Δ19		21		8		100			
33	Δ18		62		13		150			
34	Δ17		8		8		14			
35	Δ15		54		21		62			
36	Δ14		46		6		42			
37	Δ13		23		14		114			
38	Δ12		38		18		134			
39	Δ11		31		16		108			
40	Δ10		36		13		130			
41	Δ9		20		11		68			

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# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-50

Weight of Sample 0.5 g.

From Bill

Extraction Hot HCL-HNO₃

Tested For Cu, Pb, Zn.

Volume Used 10 mls.

Date 13 Aug. 1967

Analyst J. BOD + D. G. M.

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM	
OURS	YOURS										
42	L.125 Δ8		38		10		77				
43			18		16		113				
44			92		54		670				
45			99		38		500				
46			63		29		605				
47			41		36		570				
48			46		51		620				
49			96		26		840				
50	L.16N Δ20		14		5		48				
51			20		29		106				
52			29		14		146				
53			10		ND		17				
54			ND		16		3				
55			9		6		13				
56			5		5		23				
57			ND		6		20				
58			6		ND		47				
59			14		8		680				
60			90		50		890				
61			26		128		740				
62			60		44		610				
63			79		79		700				
64			137		52		800				
65			68		54		1000				
66			65		21		600				
67			83		46		640				
68			74		54		700				
69			42		38		940				
70	L.8 S Δ1		55		32		670				
71			68		55		450				
72			44		21		290				
73			102		39		700				
74			104		34		840				
75			93		47		460				
76			17		11		116				
77			24		29		84				
78			16		16		70				
79			24		18		42				
80			22		21		44				
81			26		6		6				
82			18		18		95				

PLATED

PLATED

PLATED

# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-47  
 From BILL GROUP  
 Tested For Cu Pb Zn  
 Date Aug 11, 1967

Weight of Sample 0.5g  
 Extraction Hot Aqua Regia  
 Volume Used 10 cm³  
 Analyst _____

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
1	BILL L445 Δ1		36		32		640			
2	Δ2		76		29		440			
3	Δ3		49		17		210			
4	Δ4		30		ND		116			
5	Δ5		87		29		360			
6	Δ6		92		20		350			
7	Δ7		130		28		540			
8	Δ8		103		32		770		Note: No Δ7	
9	Δ10		72		30		750			
10	Δ11		85		32		940			
11	Δ12		79		28		600			
12	Δ13		96		34		1,420			
13	Δ14		74		16		540			
14	Δ15		10		10		29		Ash sample	
15	Δ16		58		32		510			
16	Δ17		63		36		480			
17	Δ18		30		20		152			
18	Δ19		30		26		270			
19	Δ20		35		24		160			
20	BILL L56N Δ1		133		48		360			
21	Δ2		160		42		410			
22	Δ3		260		40		750			
23	Δ4		138		30		700			
24	Δ5		104		28		430			
25	Δ6		59		25		580			
26	Δ7		6		19		17		Ash sample	
27	Δ8		78		34		670			
28	Δ9		105		98		810			
29	Δ10		103		26		590		Note: No Δ11	
30	Δ12		82		26		540			
31	Δ13		53		20		260			
32	Δ14		60		34		410			
33	Δ15		47		36		460			
34	Δ16		123		34		580			
35	Δ17		28		14		116			
36	BILL L405 Δ9		68		36		820			
37	Δ10		148		40		1,020			
38	Δ11		75		28		730			
39	Δ12		57		22		610		Note: No Δ13	
40	Δ14		39		29		300			
41	Δ15		13		14		140	300		

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# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-47 Page II  
 From BILL GROUP  
 Tested For Cu Pb Zn  
 Date Aug 11/67

Weight of Sample 0.5g  
 Extraction Hot Acid  
 Volume Used 10 cm³  
 Analyst _____

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
OURS	YOURS												
42	BILL LH05 Δ16		34		20		<del>160</del> 210						
43	Δ17		36		20		164						
44	Δ18		19		18		49						
45	Δ20		11		14		82			(duplication)			
46	Δ20		10		19		22			← Ash sample			
47	BILL LH8N Δ1		74		36		510						
48	Δ2		74		38		420						
49	Δ3		76		38		480			No Δ4			
50	Δ5		78		<del>30</del>		610						
51	Δ6		20		24		128						
52	Δ7		85		25		500						
53	Δ8		34		27		300						
54	Δ9		36		17		100						
55	Δ10		72		38		160						
56	Δ11		16		16		72						
57	Δ12		60		18		410						
58	Δ13		26		16		18						
59	Δ14		31		18		61						
60	Δ15		30		18		127						
61	Δ16		164		15		140						
62	Δ17		47		23		84						
63	Δ18		40		26		<del>180</del> 170						
64	Δ19		44		15		116						
65	Δ20		26		20		93						
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													

PLOTTED

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A-47  
 From Bill  
 Tested For Cu, Pb, Zn  
 Date 13 Aug 1967

Weight of Sample 0.25g.  
 Extraction Hst HCL-HNO₃  
 Volume Used 10 mLs  
 Analyst JBOD + DGMS

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
1	L.60N Δ20		36		24		350			
2			29		29		475			
3			61		29		690			
4			34		42		400			
5			145		86		2550			
6			137		54		1200			
7			34		54		1050			
8			42		36		800			
9			116		59		1600			
10			34		44		440			
11			21		18		250			
12			34		40		230			
13			44		21		360			
14			92		16		960			
15			56		11		1020			
16			164		54		800			
17			38 <del>8</del>		20		450			
18			190		35		820			
19			62		30		175			
20			142		64		510			
21	L.56.5 ⁰ Δ20		18		34		112			
22			5		ND		4			
23			28		50		760			
24			60		36		250			
25			158		75		1200			
26			87		21		1125			
27			63		21		1500			
28			18		21		430			
29			41		34		1140			
30			34		18		470			
31			58		30		460			
32			74		16		940			
33			47		21		670			
34			75		26		300			
35			63		6		310			
36			81		32		680			
37	L.40N Δ7		50		28		260			
38			38		31		210			
39			56		26		250			
40			18		16		33			
41			30		26		128			

ok! PLOTTED.

# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-47  
 From Bill  
 Tested For Cu, Pb, Zn  
 Date 13 Aug 1967

Weight of Sample 0.5 g  
 Extraction Hot HCL-HNO₃  
 Volume Used 10 mls  
 Analyst DCMS + JBOD

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
42	L-40 N. Δ12		14		18		100			
43	Δ13		32		18		113			
44	Δ14		22		24		166			
45	Δ15		20		13		184			
46	Δ16		25		24		140			
47	L-56 N Δ20		20		20		113			
48	Δ19		126		44		180			
49	Δ18		72		11		145			
50	L-56 S Δ 3		28		39		175			
51	Δ2		83		45		550			
52	Δ1		146		55		580			

PLOTTER

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A52  
 From BILL GP.  
 Tested For Cu Pb Zn  
 Date 15 Aug 67

Weight of Sample 0.59  
 Extraction HOT HNO₃-H₂O  
 Volume Used 10 ml  
 Analyst JBOD

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
42	L76S Δ1		63		18		63			
43	L4S Δ20		14		11		38			
44	Δ19		11		11		49			
45	Δ18		17		10		79			
46	Δ17		12		7		45			
47	Δ16		8		5		37			
48	Δ15		17		20		56			
49	Δ14		25		ND		108			
50	Δ13		24		18		108			
51	Δ12		16		7		70			
52	Δ11		15		ND		122			
53	Δ10		27		7		74			
54	Δ9		25		7		115			
55	Δ8		14		ND		31			
56	Δ7		16		13		152			
57	Δ6		60		33		60			
58	Δ5		76		23		430			
59	Δ4		40		20		80			
60	Δ3		15		10		34			
61	L4N Δ2		25		11		70			
62	Δ3		43		10		86			
63	Δ4		16		8		35			
64	Δ5		14		10		72			
65	Δ6		19		5		65			
66	Δ7		30		5		135			
67	L76N Δ1		120		4		200			
68	Δ2		47		4		80			
69	Δ3		33		4		23			
70	Δ5		9		ND		18			
71	L72N Δ13		52		23		430			
72	Δ14		50		22		580			
73	Δ15		54		14		900			
74	Δ16		25		11		133			
75	Δ17		34		7		500			

PLOTTER

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A 52  
 From Bill  
 Tested For Cu Pb Zn  
 Date 15 Aug 67

Weight of Sample 0.50 g.  
 Extraction Hot HNO₃-HCl  
 Volume Used 10 ml  
 Analyst J BOD

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
1	L72N Δ20		82		55		1100			
2	Δ99		93		19		620			
3	Δ18		57		20		450			
4	Δ16		81		18		890			
5	Δ12		50		35		420			
6	Δ11		30		16		270			
7	Δ10		40		28		280			
8	Δ9		36		13		110			
9	Δ7		29		13		170			
10	Δ4		19		14		175			
11	Δ3		25		9		95			
12	L76N Δ6		35		9		87			
13	Δ7		21		ND		54			
14	Δ10		35		24		320			
15	Δ11		25		16		190			
16	Δ12		88		24		610			
17	Δ13		70		20		510			
18	Δ14		70		14		510			
19	Δ15		57		11		550			
20	Δ16		82		26		590			
21	Δ17		76		7		540			
22	Δ18		21		24		130			
23	Δ19		23		24		350			
24	Δ20		33		53		480			
25	L76S Δ20		22		ND		68			
26	Δ19		148		16		160			
27	Δ18		30		29		370			
28	Δ17		42		ND		340			
29	Δ16		32		108		820			
30	Δ15		10		ND		340			
31	Δ14		127		65		330			
32	Δ13		24		ND		590			
33	Δ12		12		ND		41			
34	Δ10		66		24		450			
35	Δ9		34		22		260			
36	Δ8		22		12		160			
37	Δ7		21		16		74			
38	Δ6		21		20		144			
39	Δ5		4		ND		5			
40	Δ3		10		ND		8			
41	Δ2		5		4		5			

PLOTTER

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A 52  
 From Bira  
 Tested For Cu Pb Zn  
 Date 16 Aug 67

Weight of Sample 0.5g  
 Extraction Hot HNO₃ HCl  
 Volume Used 10 ml  
 Analyst JBOD

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
114	L68N Δ16		52		29		1560			
115	Δ15		80		26		1000			
116	Δ14		90		36		910			
117	Δ13		124		48		2000			
118	Δ11		16		11		430			
119	Δ10		19		24		470			
120	Δ9		44		31		960			
121	Δ8		17		14		370			
122	Δ7		27		36		200			
123	Δ6		30		12		200			
124	Δ5		39		38		330			
125	Δ4		32		20		260			
126	Δ3		43		22		1660			
127	Δ2		9		ND		15			
128	Δ1		9		ND		39			
129	L80N Δ20		26		22		340			
130	Δ19		128		56		430			
131	Δ18		15		ND		70			
132	Δ16		31		29		102			
133	Δ14		29		12		200			
134	Δ12		20		12		145			
135	Δ10		42		29		31			
136	Δ8		28		ND		120			
137	Δ1		15		16		80			
138	Δ6		60		16		250			
139	L80W Δ1		17		24		78			
140	L80N Δ3		2		ND		23			
141	Δ4		20		ND		130			
142	Δ5		40		7		170			
143	Δ7		21		10		140			
144	Δ9		13		ND		110			
145	Δ11		17		36		170			
146	Δ13		20		14		185			
147	Δ15		20		10		178			
148	Δ17		6		8		49			
149	L68N Δ12		34		80		790			

PROTECTED

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A-52  
 From Bill GP  
 Tested For Cu Pb Zn  
 Date 16 Aug 67

Weight of Sample 0.50g  
 Extraction Hot HNO₃-HCl  
 Volume Used 10ml  
 Analyst JBOD

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
73'	L0N Δ1		24		11		95			
74'	Δ2		22		4		49			
75'	Δ3		29		13		53			
76	Δ4		13		17		66			
77	Δ5		22		11		46			
78	Δ6		20		10		71			
79	Δ7		8		ND		55			
80	Δ8		16		14		75			
81	Δ9		14		15		94			
82	Δ10		26		ND		85			
83	L64N Δ15		78		31		960			
84	Δ19		17		24		460			
85	L72N Δ8		35		11		112			
86	L4N Δ9		81		36		620			
87	Δ8		45		30		360			
88	L4S Δ2		10		3		48			
89	L4N Δ1		8		ND		40			
90	L64N Δ20		44		39		590			
91	Δ18		112		40		1200			
92	Δ17		27		15		570			
93	Δ16		38		36		930			
94	Δ14		54		23		800			
95	Δ13		70		57		200			
96	Δ12		48		28		800			
97	Δ11		48		22		520			
98	Δ9		50		27		480			
99	Δ8		20		36		590			
100	Δ7		25		14		300			
101	Δ6		64		39		540			
102	Δ5		16		29		390			
103	Δ4		92		70		1300			
104	Δ3		70		52		350			
105	Δ2		60		36		590			
106	Δ1		75		31		780			
107	L76N Δ0		15		7		31			
108	Δ9		48		24		530			
109	Δ4		200		20		200			
110	L68N Δ20		86		94		800			
111	Δ19		36		42		410			
112	Δ18		46		36		1400			
113	Δ17		31		34		510			

PLOTTER

# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-52  
 From BIHL GROUP  
 Tested For Cu Pb Zn  
 Date Aug 17/67

Weight of Sample 0.5 gram  
 Extraction Hot Aqua Regia  
 Volume Used 10 cm³  
 Analyst DGMS & DNYL

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
42	L805 Δ7		12		8		21	Note: reversed orders		
43	Δ5		80		90		340			
44	Δ8		102		16		1180			
45	Δ9		44		48		380			
46	L725 Δ6		20		43		30			
47	L805 Δ12		52		40		200			
48	Δ13		17		18		150			
49	L805 Δ14		40		64		135			
50	Δ15		32		18		150			
51	Δ16		44		132		114			
52	Δ17		6		4		65			
53	Δ18		98		26		198			
54	Δ19		10		36		580			
55	Δ20		500		17		65			
56	L05 ΔA		11		16	58	798	44		
57	L05 ΔI		20		17	44	580	116		
58	Δ2		22		4	116	65	83		
59	Δ3		15		15	83	58	96		
60	Δ5		27		14	96	44	730		
61	Δ6		17		6		730			
62	Δ7		38		37		620			
63	Δ8		52		14		1080			
64	Δ10		22		8		100			
65	Δ11		11		25		108			
66	Δ12		26		14		58			
67	Δ13		36		36	14	79			
68	Δ14		32		14	30	110			
69	Δ15		10		30	14	35			
70	Δ16		24		14	17	108			
71	Δ17		10		17	14	65			
72	Δ18		27		14	17	130			
73	Δ19		21		18		117			
74	L05 Δ20		16		14		28			
75										
76										
77										
78										
79										
80										
81										
82										

PLOTTED

# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-52  
 From BILL GROUP  
 Tested For Cu Pb Zn  
 Date Aug 17/67

Weight of Sample 0.5 gram  
 Extraction Hot Aqua Regia  
 Volume Used 10 ml  
 Analyst DAMS & DNTK

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
1	L685 Δ2		25		10		26			
2	Δ3		40		20		200			
3	Δ4		105		16		50			
4	Δ5		110		17		72			
5	Δ6		45		39		240			
6	Δ7		53		36		380			
7	Δ8		76		30		350			
8	Δ9		76		36		310			
9	Δ10		35		30		46			
10	Δ11		11		14		88			
11	Δ12		11		24		170			
12	Δ13		26		70		120			
13	L685 Δ14		32		34		130			
14	Δ15		22		17		87			
15	Δ16		38		26		420			
16	Δ17		356		17		510			
17	Δ18		160		17		2100			
18	Δ19		90		38		2350			
19	Δ20		43		19		1700			
20	L725 Δ1		24		17		52			
21	Δ2		176		17		160			
22	Δ3		32		11		68			
23	Δ4		36		24		60			
24	Δ7		22		13		53			
25	L725 Δ8		34		38		90			
26	Δ9		29		27		480			
27	Δ10		6		16		85			
28	Δ11		16		12		530			
29	Δ12		27		30		250			
30	Δ13		38		17		56			
31	Δ14		12		20		320			
32	Δ15		15		17		124			
33	Δ16		15		30		150			
34	Δ17		26		48		220			
35	Δ19		47		5		240		No 18	
36	Δ20		26		14		560			
37	L405 Δ1		35		40		80			
38	Δ2		39		26		440			
39	Δ3		12		8		14			
40	Δ4		24		33		73			
41	Δ6		56		30		150			

PLOTTER

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A47  
 From .....  
 Tested For Cu - Pb - Zn  
 Date Aug 12/67

Weight of Sample 1.5 g  
 Extraction HNO₃ + HCl  
 Volume Used 10 ml  
 Analyst DC.

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
HOURS	YOURS									
66	BILL L645-D1	48		24		430				
67	Δ2	74		24		430				
68	Δ3	120		59		440				
69	Δ4	200		45		1200				
70	Δ5	70		30		360				
71	Δ6	77		45		280				
72	Δ7	140		33		680				
73	Δ8	77		33		180				
74	Δ9	120		30		420				
75	Δ10	10		10		22				
76	Δ11	74		19		230				
77	Δ12	42		30		18				
78	Δ13	83		20		370				
79	Δ15	37		20		1750				
80	Δ14	37		20		970				
81	Δ16	70		14		615				
82	Δ17	40		40		900				
83	Δ18	100		63		960				
84	Δ19	105		35		1440				
85	L44N-Δ18	40		23		130				
86	Δ2	32		40		810				
87	Δ4	45		17		320				
88	Δ16	32		20		145				
89	Δ20	36		20		145				
90	Δ1	66		17		580				
91	Δ19	10		15		760				
92	Δ5	36		10		1300				
93	Δ11	61		12		160				
94	Δ6	45		12		240				
95	Δ7	69		14		380				
96	Δ8	38		10		52				
97	Δ17	22		10		116				
98	Δ12	74		28		310				
99	Δ13	36		20		240				
100	Δ14	18		12		96				
101	Δ9	27		16		570				
102	Δ10	36		10		160				
103	L44N Δ15	30		20		135				
104	Δ3	34		14		160				
105	L36 N Δ1	150		20		310				
106	Δ2	54		17		170				

PROTTER

# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-47  
 From BILL GROUP  
 Tested For Cu Pb Zn  
 Date Aug 13/67

Weight of Sample 0.5 g  
 Extraction Hot Aqua Regia  
 Volume Used 10 cm³  
 Analyst J.C.

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
OURS	YOURS												
230	L605 Δ6		11		18		35						
231	Δ7		168		55		420						
232	Δ6		68		35		410						
233	Δ9		30		10		96						
234	L605 Δ10		49		10		200						
235	L405 Δ8		38		28		400						
236	L405 Δ7		52		21		450						
237	Δ6		46		21		620						
238	Δ5		25		38		200						
239	Δ4		46		24		300						
240	Δ3		10		14		104						
241	Δ2		35		21		139						
242	Δ1		26		21		92						
243	L20N Δ10		91		36		620						
244	L20N Δ9		128		52		740						
245	Δ8		80		52		800						
246	L20N Δ7		68		35		530						
247	Δ6		38		28		350						
248	Δ5		123		58		700						
249	Δ4		40		35		350						
250	Δ3		80		41		900						
251	Δ2		54		31		530						
252	Δ1		54		31		700						
253	L605 Δ20		30		28		280						
254	Δ19		28		45		280						
255	Δ18		60		45		810						
256	Δ17		35		42		350						
257	Δ16		49		31		900						
258	L605 Δ15		43		24		900						
259	Δ14		35		38		1,140						
260	Δ13		60		31		1,020						
261	Δ12		28		24		660						
262	Δ11		28		14		154						
263	L40N Δ18		21		18		106						
264	L40N Δ2		46		18		45						
265	Δ1		26		18		70						
266	Δ4		68		14		104						
267	Δ3		11		16		200						
268	Δ5		30		18		92						
269	Δ6		30		18		350						
270													

PLOTTER

Note: reverse orders

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A-47  
 From BILL GRAY  
 Tested For Cu Pb Zn  
 Date Aug 13, 1967

Weight of Sample 0.5 gram  
 Extraction Hot Aqua Regia  
 Volume Used 10 cm³  
 Analyst J.C.

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
189	L365 Δ5		56		24		660			
190			82		31		700			
191			104		31		620			
192			101		35		940			
193			144		41		1,130			
194			82		48		940			
195			52		31		740			
196			104		45		840			
197			43		35		400			
198	L365 Δ14		43		14		185			
199			24		14		200			
200			21		28		120			
201			7		10		13			
202			88		18		500			
203			114		26		500			
204			26		18		168			
205	L325 Δ1		33		18		185			
206			38		20		185			
207			108		45		530			
208			52		35		600			
209			68		35		400			
210	L325 Δ6		68		28		480			
211			84		38		660			
212			94		41		1,130			
213			108		48		900			
214			60		45		620			
215			60		20		380			
216			19		14		185			
217			49		31		600			
218			33		10		185			
219			19		10		74			
220			169		31		168			
221			24		24		130			
222	L325 Δ18		35		24		400			
223			38		23		410			
224			33		23		400			
225	L605 Δ1		185		66		500			
226			100		38		410			
227			80		35		185			
228			40		41		200			
229			16		28		168			

PLOTTER

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A-47  
 From BILL GROUP  
 Tested For Cu Pb Zn  
 Date Aug 13, 1967

Weight of Sample 0.5 g  
 Extraction Hot Aqua Regia  
 Volume Used 10 cm³  
 Analyst J.C.

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
148	L32N Δ3		80		21		186			
149	Δ4		30		18		142			
150	L32N Δ5		87		28		168			
151	Δ6		20		18		100			
152	Δ7		18		14		42			
153	Δ8		30		14		90			
154	Δ9		20		10		70			
155	Δ10		28		16		90			
156	Δ11		18		52		200			
157	Δ12		43		18		38			
158	Δ13		21		2		96			
159	Δ14		28		14		130			
160	Δ15		37		12		130			
161	Δ16		24		20		152			
162	L32N Δ17		58		28		168			
163	Δ18		28		20		120			
164	Δ19		21		20		120			
165	Δ20		35		14		113			
166	L20S Δ1		68		38		560			
167	Δ2		87		45		530			
168	Δ3		58		35		380		Note: No Δ4	
169	Δ5 <del>Δ7</del>		49		35		480			
170	Δ6 <del>Δ8</del>		85		28		590			
171	Δ7 <del>Δ9</del>		49		28		350			
172	Δ8		66		28		600			
173	Δ9		35		20		400			
174	L20S Δ10		68		20		560			
175	Δ11		35		18		530			
176	Δ12		35		18		700			
177	Δ13		21		10		480			
178	Δ14		58		23		1,400			
179	Δ15		94		31		<del>920</del>			
180	Δ16		49		14		930			
181	Δ17		104		18		1,400			
182	Δ18		40		37		530			
183	Δ19		28		28		200			
184	Δ20		12		20		72			
185	L36S Δ1		37		23		154			
186	L36S Δ2		30		35		140			
187	Δ3		35		17		100			
188	Δ4		58		25		310			

PLOTTED

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

Report Number A-47 (cont.)  
 From BILL GRAIP  
 Tested For Cu-Pb-Zn  
 Date Aug 12/67

Weight of Sample .5g  
 Extraction HNO₃+HCl  
 Volume Used 10 ml.  
 Analyst D. L.

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
107	BILL L36N Δ4		48		18		174			
108	BILL Δ3		46		12		84			
109	Δ5		22		26		114			
110	Δ6		81		24		320			
111	Δ7		41		7		138			
112	Δ8		118		26		280			
113	Δ9		26		26		250			
114	Δ10		92		24		160			
115	Δ11		33		15		116			
116	Δ12		41		15		54			
117	Δ14		54		20		200			
118	Δ15		33		33		400			
119	Δ16		22		15		126			
120	Δ17		35		15		136			
121	Δ18		20		15		170			
121	Δ19		30		10		166			
123	L ³⁶ NΔ20		54		20		158			
124	L40 Δ20		48		22		205			
125	L40 Δ19		33		16		126			
126	L285 Δ1		100		21		400			
127	Δ2		58		31		590			
128	Δ3		48		14		660			
129	Δ4		58		24		980			
130	Δ5		68		18		530			
131	Δ6		40		21		420			
132	Δ7		38		19		530			
133	Δ8		56		31		1,060			
134	Δ9		26		21		330			
135	Δ10		12		12		200			
136	Δ11		12		10		142			
137	Δ12		22		12		200			
138	Δ13		22		30		150			
139	Δ14		40		21		530			
140	Δ15		28		22		210			
141	Δ16		30		10		210			
142	Δ17		20		8		130			
143	Δ18		28		10		330			
144	Δ19		30		19		740			
145	Δ20		33		16		620			
146	L32N Δ1		5		35		780			
147	Δ2		22		28		400			

REPTED

# ATLAS EXPLORATIONS LIMITED

## ANALYTICAL WORK SHEET

### GEOCHEMICAL

Report Number A-50  
 From Bill  
 Tested For Cu, Pb, Zn  
 Date 13 Aug. 1967

Weight of Sample 0.5 g.  
 Extraction Hot HCl-HNO₃  
 Volume Used 10 mLs.  
 Analyst _____

SAMPLE NUMBER			Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS										
83	L.8 S	Δ14		11		11		11			
84		Δ16		15		20		87			
85		Δ17		12		18		63			
86		Δ18		20		13		138			
87		Δ19		25		11		131			
88		Δ20		26		18		102			
89	L.28 N	Δ1		40		55		640			
90		Δ2		58		36		380			
91		Δ3		58		44		325			
92		Δ4		43		30		200			
93		Δ5		<del>52</del> 58		48		360			
94		Δ6		74		46		290			
95		Δ7		65		34		340			
96	10	Δ8		68		50		520			
97	11	Δ9		58		44		600			
98		Δ12		70		44		800			
99		Δ13		38		57		2000			
100		Δ14		40		36		360			
101		Δ15		92		29		630			
102		Δ16		47		43		320			
103	18	Δ17		102		50		760			
104		Δ18		46		29		280			
105		Δ20		6		13		144			
<del>106</del>	<del>L.60 N</del>	<del>Δ20</del>									
<del>107</del>		<del>Δ19</del>									
<del>108</del>		<del>Δ18</del>									
<del>109</del>		<del>Δ17</del>									
<del>110</del>		<del>Δ16</del>									
<del>111</del>		<del>Δ15</del>									
<del>112</del>		<del>Δ14</del>									
<del>113</del>		<del>Δ13</del>									
<del>114</del>		<del>Δ12</del>									
<del>115</del>											
<del>116</del>											
<del>117</del>											
<del>118</del>											
<del>119</del>											
<del>120</del>											
<del>121</del>											
<del>122</del>											
<del>123</del>											

PROTECTED



121	CS L24N	2	50	8	380	} BILL	PLOTTED
122		3	49	34	490		
123		4	50	28	500		

**ATLAS EXPLORATIONS LIMITED**  
**ANALYTICAL WORK SHEET**  
**GEOCHEMICAL**

BILL

Report Number A-43  
 From Pelly  
 Tested For Cu Pb Zn  
 Date Aug 1, 1967

Weight of Sample 0.5 grams  
 Extraction Hot Aqua Regia  
 Volume Used 10 cm³  
 Analyst JS

SAMPLE NUMBER		Cu	PPM	Pb	PPM	Zn	PPM	PPM	PPM	PPM
OURS	YOURS									
124	CS L24N 5		65		64		590			
125			32		16		300			
126			65		22		580			
127			43		20		290			
128			70		44		460			
129			60		16		460			
130			36		20		230			
131			46		30		430			
132			40		12		660			
133	CS L24N 14		25		30		290			
134			44		28		500			
135			50		36		1140			
136			52		28		400			
137			41		58		380		Note: No 19	
138			26		18		330			
139	Bill C.S. L245 1		40		32		360			
140			32		34		400			
141			28		26		260		Note: No 4	
142			39		26		210			
143			25		8		300			
144			30		15		320			
145	CS L245 8		44		18		430			
146			46		16		560			
147			20		ND		410			
148			24		24		500			
149			17		ND		580			
150			22		ND		330		No 14	
151			29		8		1500			
152			21		10		940		No 17	
153			24		8		1030			
154			34		6		146			
155			13		ND		80			

PLOTTED

15/6/67 BILL

R. DUNSMORE  
BILL GR.

①

D-15/6-2, BLACK, RUSTY-  
WEATHERING, CARBONACEOUS  
SLATE; MINOR  $FeS_2$ .

296  
83N.

FRACTURES: 356, 274  
84W 16N.

D-15/6-3 - 200' SE OF 2,  
GREEN & RED STAINED, BLACK,  
FINE-GRAINED, CARBONACEOUS,  
DOLomite.

2 PROMINENT FRACTURES:

063, 356  
75E 16E

Handwritten scribbles and signatures at the bottom of the page.

-D-15/6-4

(2)

-100' SE OF 3 - MASSIVE, VERY  
FINE-GRAINED DOLOMITE (?)

3-5%  $FeS_2$  MASSIVE +

DISSEMINATED. OUTCROP IS

FAIRLY FREE OF WEATHERING.

ON W. BANK. NO ATTITUDES

POSSIBLE ON BEDDING.

FRACTURE ( $\approx$ ) 294

40SW.

20' S OF 4

D-15/6-5 - HIGHLY FRACTURED

& WEATHERED DOLOMITE,

WITH  $FeS_2$  CONCRETIONS

COMMON.  $FeS_2$  APPEARS TO

BE MARCASITE PSEUDOMORPH-

OUS AFTER PYRITE.

BEDDING: 086

42S

15/6/67

R. DUNSMORE  
BILL GP.

(3)

THE CONCRETIONS APPEAR  
TO BE LOCALIZED ALONG  
FRACTURES TRENDING:

032  
87E

FeS₂ ALSO OCCURS ALONG  
FRACTURE + BEDDING  
PLANES

D-15/6-6 - 30' SE OF S  
SiO₂ + CaCO₃ VEINS  
TRENDING  $\approx$  315  
60 SW.

SiO₂ VERY RUSTY. FeS₂ (P)  
IN SiO₂ VEINS (1/8 - 4" WIDE).  
APPEARS TO BE SOME  
MYLONITIZATION AROUND

④ VEINS. GEOCHEM SAMPLE TAKEN  
HERE. NO #.

D-15/6-7 - 200' SE OF 6.

UNDTHERE IS MUDDY  
DOLOMITE WITH SMALL  
LST. "MUGENS".  $FeS_2$  CONCRETIONS  
COMMON.

-100' SE - INTRUSIVE (BIOTITE  
GRANITE) FLOAT. NO OUTCROP.  
FLOAT FAIRLY LARGE &  
ANGULAR. APPEARS TO  
HAVE COME DOWN HILL TO  
W.

-50' SE - GEOCHEM SAMPLE  
KW-3. HIGHLY CONTORTED

15/6/67

R. DUNSMORE  
BILL GP.

(5)

BLOCKY DOLOMITE. MOST  
PROMINANT FRACTURE:

312  
68W.

-50'S - BEDDING PLANE:

088  
38S.

FRACTURE: 016  
80E

-100'S - ALL GRANITE  
FLOAT. NO OUTCROPS  
VISIBLE.

- AT SPLIT IN CREEK. - BLACK  
CHERTS, RUSTY QTZ.  
STRINGERS. BEDDING 032  
- W. SIDE. 29N.

(6)

- E SIDE OF CREEK - D-15/6-8

BEDDING: 270

78 N.

HIGHLY CONTORTED, RUSTY  
& IMPURE (MUDDY) DOLOMITE.

APPEARS TO BE INTERBEDDED

WITH BLACK SHALE. AREA

HERE HAS MANY SMALL

FOLDS.

- BRIGHT ORANGE GOSSAN.

20' N. OF D-8. POSSIBLY

THE CREST OF A TIGHT

FOLD. ROCK IS BRECCIATED

DOLOMITE.

D-15/6-9 - SAMPLE OF

BLACK SHALE.  $\text{FeS}_2$  (M) CONC.

IN DOLOMITE HERE ALSO.

16/6/67

RON DUNSMORE  
BILL GR. ①

ec 1 - Bedding  $\frac{11}{79.5}$

Black ^{CO₃} slate + etc. veins  
 = 1-4" wide conformable  
 with bedding. Beds  
 contorted. Minor FeS₂  
 + Chalcopyrite. RD-16/6-1  
 Thin Beds of graphite stand  
 out in relief. etc. layers  
 ≈ 1-6" apart. In places  
 graphite is in augers  
 surrounded by SiO₂.  
 FeS₂ has been intru-  
 ded (?)

20' further up draw, argillite with  
 heavy Fe stains on joint.

striking 272° / 86° S

(bedding plane)

Primary fractures of 346° / 50° N

b) 346° / 86° N

Dolomite here. Small stringers of Fe₅₂ conform to bedding. Less rusty than 1. no qtz veins, but small (1/8") stringers.

---

300' up draw

Bedding  $256^{\circ} / 80^{\circ} W$

310' up draw

Bedding  $265^{\circ} / 67^{\circ} E$

Sample RD-16-G-2 (dolomite)  
Massive beds of competent rock interbedded with thin layers of shale; small qtz stringers nonconformable.

16/6/67

RON DUNSMORE  
BILL GP. (3)

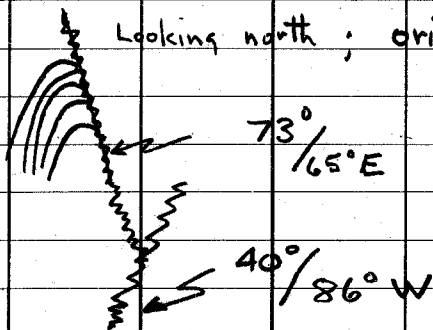
320' up draw smooth ant. 'cline  
plunging northerly. Bedding  
on north limb

244°  
/ 69° W

southern limb bedding 226°  
/ 80° E

Structure likely due to shearing &  
folding near small fault? (or shear)

Looking north ; orientation :



Sample RD - 16-6-3

350' up draw  
small shear in

orientation  $84^{\circ} / 79^{\circ} S$

on southern bank of draw  
shear has orientation

$84^{\circ} / 61^{\circ} S$

550' up draw from first outcrop  
2 shears with orientations

$280^{\circ} / 81^{\circ} W$

Rock has been contorted with  
many different shearing angles.

Highly weathered black shale  
containing pyrite giving rust  
stains, lack of large quartz veins

16/6/67

RON DUNSMORE  
BILL GRIGG

750' - DOLOMITE  
bedding  $13^{\circ}/86^{\circ}$  S.W

Breccia zone 8' wide, very  
rusty & weathered, samples  
RD-16-6-4

on opposite side of the creek, (S.W)  
bedding is  $275^{\circ}/85^{\circ}$  S

RD-16/6-5 + GRAY  
Sample location No. 5, Black  
sedimentary rock (DOLOMITE) contains  
higher % of pyrite and appears  
to be highly altered becoming  
very tough

100' up on ridge to South outcrop  
of black DOLOMITE (low in  
pyrite)  
Bedding  $278^{\circ}/65^{\circ}$  S

Saints of  $328^{\circ}/8^{\circ}$  N

also 150' further up  $020^{\circ}/88^{\circ}$  S

- another 200' up the ridge in  
a southerly direction pyrite poor  
black ~~DIOMITE~~ bearing  $282^{\circ} / 19^{\circ} SW$

Location No. 6  
Sample D-16-6-6  
Bearing  $345^{\circ} / 28^{\circ} W$

GRAY shale low in pyrite,  
highly weathered, Joints  $008^{\circ} / 87^{\circ} W$

Location near top of mountain  
a slate does not appear to be  
highly altered.

50' above float of vein quartz  
with disseminated chalcopyrite, highly  
weathered

### Knoll

- quartzite, medium grey containing  
disseminated fine grained chalcopyrite  
also quartz stringers from open  
space filling

10/6/67

RON DUNSMORE

Sample

D-76-6-7 BILL GP.

A soil sample was taken, No  
altitude was taken, From the  
north outcrop appears to change  
from the gtzite to a cherty dark  
rock with quartz stringers to a  
highly weathered chert  
width of quartzite ~ 12', Bearing  $N 075^{\circ}$   
Bearing is constant for chert as well

Location No 8

Highly weathered DOLOMITE

Bearing  $S 1^{\circ} / 60^{\circ}$  NW

Location No 9

Black shale

Bearing  $090^{\circ} / 85$  SE

Highly contorted & pushed up

Location 11

- Black fissile shale

- Orientation  $294^{\circ}$   
 $/ 83^{\circ} S$

LOCATION 10 - BLACK CHERT  
+ QTZ STRINGERS.

D-14/6-10

17/6/67

BILL GP.

RON DUNSMORE

(10)

1 Ridge E of camp. 1 from bottom. 2 from 20' above. Much rust. No attitudes. ~ float.

3 from 30' N. of 2

4 " " N of 3

5 is float (1-7 also maybe float.). 20' further.

6 - 20' further

7 - 40' further.

8 - Outcrop - top of ridge

070

80 N

rusty weathering "chest"  
dip variable.

WATERPROOF

J. L. DAN...  
TACOMA, WASH.

WATERPROOF

No. 312

②

- 9 -      060  
              705

Across small gully  
from 8. Beds highly  
contorted & rusty in  
places. In other places  
there is much less  
rust.

100' W of 9.      226      Beds  
                      555

Appear to be baked  
but not contorted to  
any great degree. No  
apparent 2° foliations  
in any of the Rk.  
No far. (DOLOMITE)

10 -      355      - orientation  
              68 W

of shear. Beds becoming  
folded again. 150' W. of  
9. Bedding      070  
                      535.

BILL GR RON DUNSMORE ③  
17/6/67

50' W of 10-11, Beds  
changing attitude. Becoming  
sheared prominently.

Bedding:  $\frac{220}{655}$

Shears  $\frac{337}{55 \text{ W}}$   
✓

-150' further W. Prominent  
shearing & bedding. One  
Rk.

Bedding  $\frac{230}{755}$

Shears:  $\frac{150}{70 \text{ W}}$

(DOLOMITE)

18-1  $\frac{80W}{50N}$

Black chert, massive  
Small amt of rust,

18-2  $\frac{85W}{50N}$  - Clean

quartzite. Few small  
mugs. Massive, granular  
gray quartzite.

18-3 - Extremely fine  
gray black phyllite.  
Prominent slaty il. @  
25 E dip 80N.

18-4 - gray, f.g., dolomite.  
Rusty in spots, foliated

$\frac{70W}{65N}$

fossiliferous - worms.  
Look for min^m. Massive  
to fine. Pure to  
muddy. Small folds.

18-5  $\frac{70W}{90}$  Black impure  
chert. Ribbon structure  
May be some lime.

18-6 -  $\frac{60W}{70N}$  Chert (Black).  
Halomite  
Fossiliferous. Fine FeS₂  
FeS₂ (f.g.) & chalcocite (mineral)

18-7  $\frac{N70W}{30^{\circ}N}$  Gilded Black  
chert

Chert & Black shale are  
interbedded. Soil sample  
of black shale taken.

Foliation:  $\frac{N75W}{65N}$  - prominent  
slaty cl.:  $\frac{055E}{75N}$

19/6/67

- (1) 19-1 - very fine grained dolomite, in spots rusty weathering. 1/4 mile from contact. Between 2nd & 3rd hump on E outcrop on W bank of creek.

19-2 - 400' S of 1. Very clearly banded, f.g. dol. on W. bank.

- (1) Individual beds are highly contorted in places. Generally, the attitude is  $\approx \frac{28^\circ}{405}$

(1) There are  $\text{CaCO}_3$ -filled

shears spaced every  
2' which appear  
to have different  
trends. Most are  
 $\approx \frac{020}{70 E}$ . FeS₂ (?)

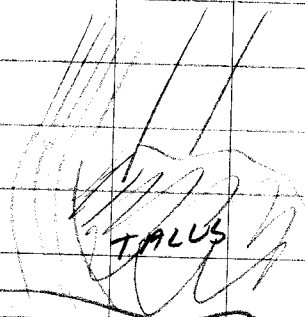
prevalent. Submassive  
mainly, may be  
concretionary as in  
creek to W'

19-3 - 300' S of 2.  
Yellow mineral. Met  
assays for Au & Cu.  
f.g. Nol. E side of  
creek.  $\frac{290}{85N}$ .

10 2 2

Black part of  
graphitic (thinly  
laminated) beds  
are interbedded  
with the blocky  
dol.

N side of Creek, 270  
80N



VERTICAL  
SECTION

Part of large  
anticline → CREEK

19-4 -  $\frac{1}{8}$  mile E of 3.  
Granite. Fairly fresh  
Probably very close  
to contact.

19-5 - just N of 3 rd  
hump on E side.  
Metadiorite. Rusty  
weathering. Medium  
grain & lization. No  
attitude possible.

30' N - granite outcrop.

50' N of granite. Lam-  
inated gneiss outcrop.  
Moderately rusty  
weathering

Back into Nol after  
20' small  
outcrops. Must be  
nearly on contact.

14

20/6/67

(U) 070 - interbedded  
90

Blocky & thinly laminated  
limy Rk - probably  
dolomite. minor FeS₂  
(?). Thin quartzite layers  
in places. This is  
D-20/6-2.

D-20/6-3 - Dol. + sulphide  
(?). 100' N of 2. Very  
rusty.

D-20/6-4 - Black Rk.  
Conformable - confined to  
bed about 10' x 5'. Can't  
find continuation. Not  
rusty. 300' W. of 2.

Altitude in same area  
070 Same Rk (float) found  
90, at extreme W end of area.  
- Altitude at W end of  
outcrop. 070  
90.

26/6/67

R. DUNSMORE  
H. PRODELL

BILL GROUP S. MAPPING  
& PROSPECTING.

D-26/6-1 - Gray-black  
shale. A little Fe  
stain.

200' S - Mixed Rock.  
Black chert and  
SiO₂. Float is  
rust-stained

E side of ridge. Limy  
slate. D-26/6-2.

100' S of 2.2

175' - Blocky dolomite  
35 W. bedding.

The slate and dolomite  
appear to be interbedded.

4 - Black shale and  
quartzite float. ^{no #} D-4  
Qtzite is gray, and  
appears to be much the  
same as in BKL N1

D-26/6-5 - sub-outcrop  
of gray, rusty quartzite.  
3n5 (?) + 3n5 (?)

D-26/6-6 - 100' E of 5.  
3n5 (?). Have analyzed  
qtzite (gray) + qtz veins.

Rb3, 3a5 + rest in  
qtzite 200' NW.

- 9 Slate (very fissile)

070

555. May be bad  
attitude.

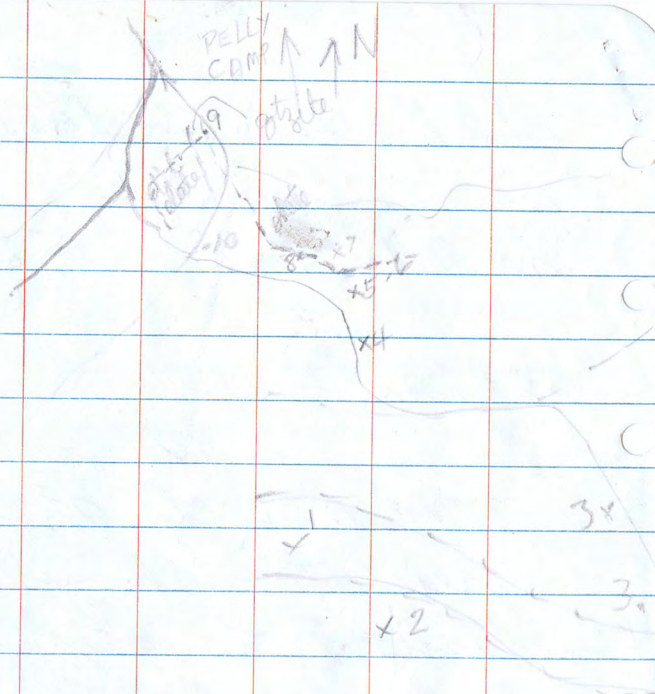
D-26/6-9

- Travelling W. Qtzite  
20' W of 9. for 209'. Then  
100' of light brown

- gray shale then  
the rest is black

slate. No attitudes  
possible.

-D- 26/6/10 - limy  
qtzite + 3m S. High Fe  
content. On small  
qtz veinlets.



- strikes 090 & appears to dip vertically?
- $\approx 130'$  mineralized on strike. Only 80' with visible P.S. About same length thick.

7- Black, thin bedded  
slate. Cleavage  $\frac{090}{55N}$   
no # D-7

500' N -  $\frac{120}{90}$

All contacts are  
gradational. Lining  
stytite? to gylde-dol  
slate to slate.

D-246-8 - ^{Very} stytite ^{pyrrh.}

+ PbS, ZnS, FeS₂, Very  
rotten & stained

100' W of last  
altitude. Mn stain.  
Vuggy in places.

D - slate unit. D- $\frac{32}{6}$ -2  
Quite a bit of free  $\text{CaCO}_3$  in plate. Plate itself is  
limy.  $\frac{270}{90}$

Thick (4") - thin  
bedded.

E - thin bedded plate.  
 $\frac{270}{80N}$  Slightly

rusty weathering.

Essentially same as D.

Strike + dip change little  
up the ridge. At E+200'  
Attitude is  $\frac{265}{90}$ . Piece of

22/6/67

R. DUNSMORE

(1) Recon. MAPPING OF  
W. TRAFFIC MT.

(A) - Quartzite (gray)  
carrying PbS & Arseno-  
pyrite. Bearing  $\approx$  080  
Set assays for Pb, Zn,  
Cu, Ag, Au. Sample #  
D-22/6-

(B) Shale unit - sub-out-  
crop same  $\approx$  bearing as

A.

(C) Zone of black calcite

$\approx$  same bearing. Set  
assays on  $\text{CaCO}_3$  for  
Ag especially.

Sample # D-22/6-1. Co.  
a phyllite unit.

( ) mineralized gtz float.

F - Blocky gray-black limestone unit. Black  $CaCO_3$  again, Get assays.

( ) D - 22/6 - 3

( ) { G - Rustled like,  $\frac{280}{90}$

Pyrite, Arseno-?, Pb-S (rare)

200' { Rk - very rusted samples  
D - 22/6 - 4.

( ) { - 20' N, Arseno in gray  
Chert, D 22/6 - 5

( ) - " D 22/6 - 6

( ) - " D 22/6 - 7

+ 200 - Not as disseminated as

previous #100. Small  
veinlets now with  
some  $\text{CaCO}_3$

D - 22/6 - 8

- 200' from contact

(⁶⁰lot - lot) 055  
555

Bedding is contorted  
& has been for last  
600'.

16/167

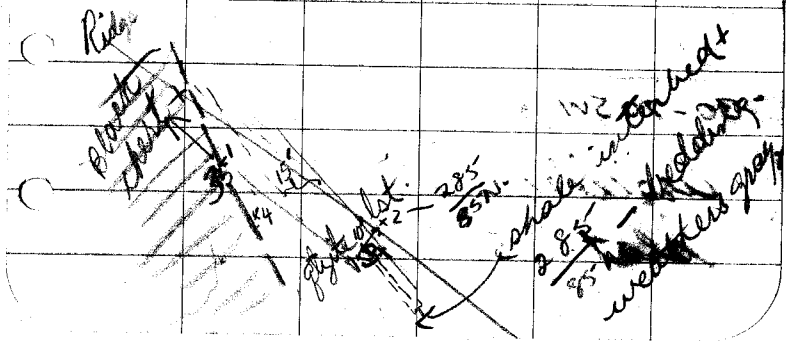
41

BILL GROUP N.

R. DUNSMORE  
P. VLASVELD.

D-16-1 - Black rusty  
chert. Small to Fairly S.  
cut by white g^ls  
veins.

D-16-2 - 15' E along  
ridge from 1. Fine-  
grained gray, in places  
shale limestone. Weathers  
light gray.  $\frac{285}{85N}$   
↑  
N



D-16/7-3 - Dark gray  
slaty ^{slate} thin ^{bedded} minor FeS₂ some  
rust. Uuggy -  $\frac{1}{2}$  sl.

D-16/7-4 - Interbedded  
dense, soft, f.g. rock  
with poor slaty cl.  
& finely lam. shale (slate)

The quartzite grades  
into dolomite.

D-16/7-5 - slaty cl.

300 -  
30-70 SW

irregular, thin bedded  
slate, 50' width. Cut

16/7/67

BILL

(3)

- ( ) by very rusty wuggy  
qtz vein. Granite float.  
( ) Interbedded with qtzite  
after 50' (and a blocky  
phyllite to 120' Then  
( ) back to dark gray  
qtzite.

-D- 16/7-6- f.g. gray,  
dense dolomite. Minor  
FeS₂. Very rusty in  
( ) spots.  $\frac{295}{65N}$ .

- ( ) Interbedded blocky,  
massive and ~~thin~~  
( ) bedded layers.

D-16/7-7 - Blocky to  
thin bedded phyllite  
in places with lot of  
CaCO₃ veins.

50' NE  $\frac{310}{75}$  NE

Same rock.

D-16/7-8 - Black chert

310

60 NE

Good bedding  
not as many qtz  
veinlets as 1. Beds  
≈ 3-5" thick with  
1/2" interbeds

16/7/67. BILL

(5)

D-16/7-9 - Black fissile  
slate. Weathers rusty  
brown color.

$\frac{275}{25 \text{ NE}}$  - platy sl.

$\frac{1}{16}$  -  $\frac{1}{2}$ " between cleavages

- Attitudes in creek (W side)

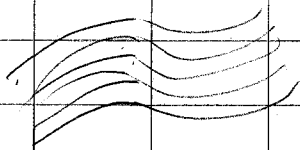
opposed W side  $\frac{310}{55 \text{ W}}$

E side  $\frac{295}{50 \text{ E}}$

Overall trend  $\frac{265}{15 \text{ S}}$

- At  $\frac{310}{30 \text{ E}}$  - ~~beds~~

black chert & lower



Directly below ^{are} small  
folds  $\frac{300}{205}$

Minor faulting (most  
are more shears than  
faults)

From 10 S 200' beds are  
crumpled & faulted. Est.  
(dark gray) at junction of  
2 main creeks (D-¹⁶/₇₋₁₀).  
The rusty chert-slate-  
black chert contact  
seems to be gradational

BILL

18/7/69

(3)

( ) 20' vertical on W side  
of ridge,  $\frac{300}{50N}$  -

homocline, there

( ) doesn't seem to be any  
faulting or movement.

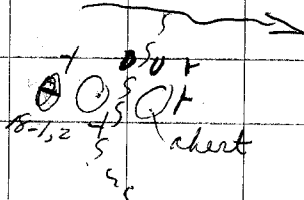
( ) Can't find any more  
chert between the  
last 2 outcrops so

it might reappear to  
the S of today's start.

ie S of D-18 1/2 - 1. Or else,

( ) could be faulted. Might  
be a ^{reverse} normal fault

( ) dipping to the N. ie  
^{upthrow}  
downthrow on N side.



→ N

(4)

D - 18/7-4 - Dense gray  
limestone. Non rusty.  $\rightarrow$   
75' N of chert. in spots  
Major Fe in some  
pieces. No attitude  
possible.

50' of lst. then into  
blocky phyllite ^{argillite} bed 5'  
wide, then lst again.  
Phyllite (compare with 1)  
is rusty. Bedding  
295  

---

655.

Qtzite - calcite breccia  
bed  $\approx$  3-5' wide in  
sequence after lst.  
Beds are interbedded.

BILL 18/7/67

(5)

( ) Quartz - calcite breccia  
D-18/7-5

( ) Phyllite - D-18/7-6

( ) Towards granite  
contact - Bedding

$\frac{285}{60^\circ S}$  in beds of  
D-18/7-7 10%

phyllites, lots, ^{FeS₂} quartz  
breccia

( )

⊥

D-18/7-8A - Dark gray

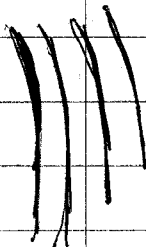
( ) lot. ⁵ 10% FeS₂.

( )  $\frac{27^\circ}{60^\circ S}$  Fault contact.  
This att. from  
N. side in massive

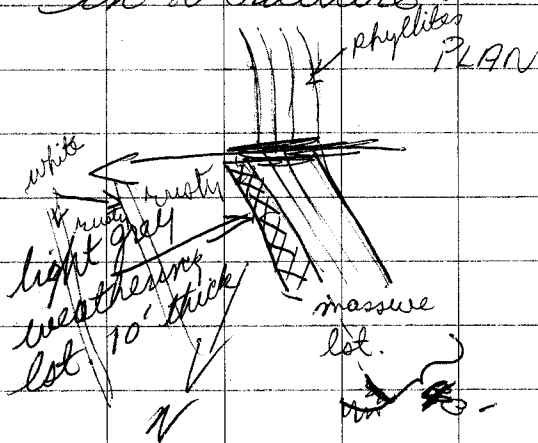
(6)

blocky dark-gray  
lst. + 5% FeS₂

Vest. x iron looking SE  
of E side of gully.



Beds noticeably antimonial  
in structure.



BILL 18/7/67

(7)

Light gray lst. under-  
lain by thick  
section of thinner  
bedded, rusty, weath-  
ering, siliceous  
argillite.

D-18/7-8 B - Pyritic  
poorly fissile, rusty  
sil. lst. Section  
cut by 2 prominent  
lighter colored beds.  
 $\approx 50$  strat. ' apart.

The fault appears  
to be dipping to the N  
at  $\approx 80^\circ$ .

D-18/7-9 - Light to

(8)

dark gray pyritic  
dolerite. Some rusty  
weathering

D-18/7-10 - Pyritic argillite  
found 100' from break  
in slope N of R. Not  
necessarily in place.

D-18/7-11 - Quartz Diorite  
Porphyry. Large (5x?x?)  
blocks.

The rest of the float  
in the area is  
biotite granite. Diorite  
at S end of small  
plateau.

BILL 18/7/67

(9)

D-18/7-12 - Biotite  
Granite. S end of  
lowest plateau. Fair  
amount of outcrop.  
(Large floats)

D-18/7-13 - Course-  
grained gray + white  
qtzite.

D-18/7-14 - f.g. dark  
gray ls. cut by  
small qtz. stringers  
Some phyllites  
interbedded. Some  
rust  $\approx 175'$  N of  
13.

10

Bedding :  $\frac{080}{90}$

Bad attitude - broken rocks  
- 1 small band of black shale was found near N edge of last plateau.

Biotite granite float also abundant here.

May be small areas of roof pendants left

- Down hill to N. 200'.

Extensive granite float. Some more scattered pieces of black shale; quartz & phyllite scattered

18/7/67

BILL

(11)

here & there.

- Hills to W. of Camp  
are  $\approx$  on strike with  
geochem anomaly  
Geology should be  
done.

D-18/7-15 - a good  
piece of phyllite  
found as float at  
the extreme bottom  
of till.

16/7/67 BILL

(7)

The fissile shale has fingered out on the main creek.

The limestone grades into lime rich to poor, blocky, thin to thick bedded.

D-16/7-11. 150'

downstream from 10.

Bedding  $\frac{080}{805W}$

Minor FeS₂. This is a gray rock with black "sugars."

✓ 1578

00778

10

11

12

13

14

15

16

11-F - Float - soft  
black dirty dol. (?)  
+ FeS₂ + chalc. in  
CaCO₃ veins

D-16/7-12^A - Interbedded  
~~of~~ argillite & chert  
& cut by very rusty  
qtz veins. Very  
contorted.

12.B

Sample of "granite"  
outcrop (?) in creek  
below 14.

folds  $\approx$   $\frac{025}{60N}$

axial plane & plunge.

BILL

16/7/67

(9)

( ) D-16/7-13 - Black rusty  
weathering chert.  
W side of creek.

Bedding  $\frac{070}{55S}$

( ) 14 - Straight E  
across creek on  
E side. Bedded  
black chert.

Bedding  $\frac{065}{75N}$

( ) Same right in  
creek. Rot in fault.

( ) on W bank

D-16/7-15 - Black

chert (?) and iron

ore (?) shingles

compare to 11-F

E side of creek at

base of last

large depression

running into creek

from the W.

18/7/67

BILL

J. HUNDBRE  
R. DUNSMORE ⑧

D-18/7-1

$\frac{075}{505}$

(Bedding)

Gray, rusty, weathering  
siliceous rock. Non-  
reactive to HCl.

Prominent jointing:

$\frac{345}{85W}$  ;  $\frac{295}{65E}$

Minor Fe S₂.

This unit cut by a 1'  
wide dike crosscutting  
at  $\frac{330}{65E}$ . Consists of

phenocrysts of qtz, orthoclase,  
biotite in an aphanitic  
groundmass. D-18/7-2

②

$\approx 100'$  N of C 42 = bedding

080

65°

Some rocks - interbedded  
siliceous silts & graywackes.  
Still rusty.

Thick bedded. 4-12"

D-10/7-3 - Bedded black  
chert.

Cross section looking  
E

N ←



Beds slightly contorted  
and dipping N again  $\approx 100'$   
N of last attitude. Not  
rusty.

260

75° N.

29/7/67 BILL R. DUNSMORE

- ( - Traverse up W creek.  
Float (black ~~chert~~ limestone +  
galena). PbS as  
replacement and along  
margin of small  
qtz veinlets. Found  
in stream in area  
of Zn anomaly.
- ( - Much white granite  
in stream.

( D-20-1 - Black & gray  
chert. May not be out-  
crop.

( D-20-2 - poorly fissile  
gray dolomite? (or  
phyllite?) cut by

CaCO₃ stringers, 5% FeS₂.  
20' S of 1.

-D-20-3 - 50' S of 2.

Limy/Black chert, 20' below  
a geochem sample. No  
number.

-D-20-4 Graphitic shale.  
≈ 090 m  
80N.

D-20-5 - On contact with  
4. Looks like silicified  
black lat. 5% FeS₂.

-4 & 5 ≈ 50' S of 3.

Up & over to E side of  
creek  $\approx 20'$  S of S.  
Black shale (D-20-6),  
silicified black lat  
(D-20-7) & gtz vein  
sequence.

~~120~~  $\cdot$   $\frac{120}{80W}$  ( $\approx$ )

This is where we  
mapped first in  
June.

-D-20-8 - Black lat  
& lat breccia + PbS,  
Cu Fe S₂ + ZnS dissemin  
replacement. Lat forms  
a fault scarp

$\approx \frac{0.80}{80.5}$

1st. is massive,  
Sulphide probably  
 $< 1\%$

Limy (10-20%)  
slates are rusty to N  
of fault & in places  
have large blotches of  
 $FeS_2$  replacing  
probably more limy  
layers. Also cut  
by thin  $CaCO_3$   
veins.

The scarp is exposed  
for  $\approx 60'$  & lit has  
PSS throughout face.  
ZnS seems to be

( associated with  
white calcite stringers  
Lst also has  $FeS_2$   
& perhaps  $Fe_{1-x}S$ .

( - Black lst. grades  
into D-20-10 after  
20' S. Looks to be gray  
siliceous (?) lst. ✓

( - Biotite granite  
crosses out 20' further  
S? Large blocks. Lst  
disappears.

( D-20-11 - ~~Black lst.~~  
^{Blocky phyllite}  
beds between shaly  
thin bedded phyllites

300' S of fault.  
Zst cut by pyrite  
veins.

Dipping at  $15^\circ$  to S.  
Strike  $\approx 070$ .

D-20-12 - Phyllite. Zst  
grades into phyllite  
beds. All previous  
are on W side of  
creek.

Miscellaneous schist.  
D-20-13 - ~~At Johnson~~.

(check). Altitudes  
different  $\approx \frac{120}{60 \text{ SW}}$

Appears to grade  
mm  
mm

to thick-bedded  
~~dolomite~~ siliceous  
dolomite. D-20-14

H-365 geochem =  
200' below first  
outcrop.

-W flowing dry draw  
at BC 25+50

m.

22/7/67

RON DUNSMORE, CHARLY  
OLLY, JOHN PULLY, MCLARY,  
ACKLACK,  
59M

( - June cutting - BILL  
grid.

BL 300 + 50 - 40' to N

( Pally 99, 100 Post 2

101, 102 #1

(

BL 9 + 15 - small creek  
flowing N.

Geochem sample

on line 50' W of creek

( flowing N. Creek is

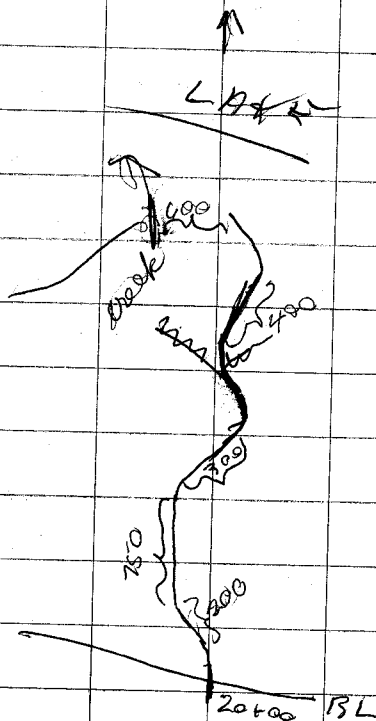
a spring - not flowing

( in in creek bed to

SW of line. Good

( silt at head.

Road toward camp  
from ^{BL} 2000



AUG 5/67		DRAIN	SOIL	DEPTH	M. SIMPSON
L.48-N		SLOPE	TYPE		REM.
(	A20	5°	sandy gravel	8"	grey with rock chips
	Δ 19	"	rock chips & grey dirt	8"	Rocky at 8"
	18	"	grey rock chips & dirt	8"	grey soil
(	17	8°	"	"	grey brown
	16	4°	dark chips black rock	"	black
(	15	4	black soil	"	
	14	"	grey sandy clay	"	
	13	"	dark soil	"	
	12	"	"	"	
	11	2°	grey clay	6"	- permeable
	10	2°	grey black clay	6"	"
(	9	2°	muddy gravel	8"	rock-chips & gravel
	8	"	dark day-dirt	8"	
(	7	"	muddy gravel	8"	w/ muddy gravel
	6	"	black grey clay	8"	deep moss
(	5	"	brown sandy dirt	6"	crack E → W
	4	skipped →			

BILL GRID

	Aug. 5/67	DRAIN SLOPE	SOIL TYPE	DEPTH	REMARKS
L.48-N					
Δ3	2°	sandy clay	6"		
2	"	grey mud	8"		
1	flat	muddy gravel	10"	water table at 10"	
L.44-S					
Δ1	2°	grey clay like mud	8"		
Δ2	"	black clay-like	"		
3	"	grey muddy clay	"		
4	flat	grey sand	8"	coarse sand	
5	2°	grey soil	8"	permafrost	
6	"	rock chips from gravel	8"	gravel & chips	
7	"	grey clay-like mud	"		
8	"	sandy mud	8"	looks like phos. flcks in sand	
9 skip by line letters					
19	"	black mud	6"	creek E → W	
110	"	grey mud	8"		
12	"	sandy mud	6"	water table 2"	
13	"	"	"		

Aug 5/67	DRAIN	SOIL	DEPTH	REMARKS
L. 44 S.	SLOPE	TYPE		
14 $\Delta$	2°	black dirt	8"	
15	"	grey clay like	8"	soil organic
16	2°	grey sandy clay	6"	water table 6"
17	4°	black grey mud	8"	
18	2°	grey-brown coarse silt	6"	
19	"	grey clay dirt	8"	
20	4°	"	6"	permafrost
<del>21</del>				
L. 40 S.				
$\Delta$ 20	2°	grey white silt	8"	
$\Delta$ 19	"	"	"	
( ) $\Delta$ 18	"	grey mud + rust gravel	"	rusty color gravel
17	"	clay-like	"	grey
( ) 16	"	with gravel	"	permafrost
15	flat	grey gravel	10"	
( ) 14	"	coarse sand	8"	
13	flat	= 7 swamps		



L56N	DRAIN	TYPE	DEPTH	REM.
20		G.C.	8"	
19		BR. MUD	12"	
18		BR. clay	10"	
17		BR. MUD	13"	
16		BR. sand	9"	
15		BR. MUD	8"	
14	DRAIN creek	G.C.	6"	
13		BR. MUD	11"	
12		G.C.	10"	
11		<del>BR. MUD</del>	8"	
10	DRAIN creek	G. SAND	9"	
9		G. MUD	12"	
8		G. SAND	13"	
7		G. clay	10"	
6	DRAIN CHEEK	G. SAND	9"	
5		D. SAND	11"	
4		G. MUD	12"	
		Aug 7/66		BILL GRID

NO.	DRAIN	TYPE	DEPTH	DIR
Δ 3	CHICK	Gravel	5"	
Δ 2		Gravel	10"	
1.		Gravel	11"	
L 565		<del>Gravel</del>		
Δ 1.		Gravel	9"	
Δ 2		SAND	12"	
3		BR. SAND	13"	
4		BR.	13"	
5		BR. SAND	10"	
6		BR. SAND	13"	
7.		BR. SAND	11"	
8		BR. MOD	10"	
9		BR. MOD	11"	
10		GR. MOD	10"	
11		GR. DIRT	11"	
12		GR. GRAVEL	9"	
13		Gravel	7"	

	L.56.5	DIRTY TYPE	DEPTH
(	14	CLAY GR.	9"
	15	9" SAND	5"
	16	BR. MUD	10"
(	17	BR. MUD	12"
	18	CLAY SAND	6"
(	19	CLAY SAND	11"
	20	9" SAND	12"
(			
(			
(			

( E. GRAVEL GRAVE  
( S. SAND  
C. CLAY  
( D. DIRT  
( M. MUD

( SW. SWAMP NO SAMPLE

GR. GRAY GRAY  
B. BLACK  
BR. BR.

(  
(  
(

geo-chem:

AUG. 7/67

BILL GRID

SUMMARY: 1.44 N

1.40 N

1.36 N

MURRAY SIMPSON

L 44 N	DRAIN SLOPE	SOIL TYPE	DEPTH	REMO
Δ 20	5°	grey clay-like	8"	permafrost
Δ 19	"	brown soil	12"	"
18	"	grey clay	10"	rocky clay
17	8°	grey sand	10"	red rust mixed with sand
16	"	grey & reddish soil	12"	
15	"	grey gravel	6"	rocky
14	5°	grey rocky dirt	8"	
13	"	grey brown	10"	gravel - fine
12	"	black soil	10"	some rust gravel mix
10	"	black	12"	deep moss
10	"	light brown <del>soil</del>	10"	
8	"	grey - brown sand	10"	sandy
8	2°	fine gravel	10"	grey
7	2°	black soil & fine gravel	10"	
6	"	grey clay-soil	8"	
5	"	grey rock-chips	6"	
	"	grey - brown-chips	11"	

L. 40 N	DRIFT SLOPE	Soil TYPE	DEPTH	Notes
Δ 14	4°	grey brown mud - gravel	8"	muddy gravel
Δ 15	2°	sandy gravel grey	8"	light brown - grey
16	4°	black soil	8"	
17	skipped by line cutters			
18	4°	grey soil	8"	muddy
19	2°	fine rock chips	8"	some grey soil mix
20	11			
L. 36 N				
Δ 20	2°	black soil	10"	deep organic origin
Δ 19	2°	grey soil	8"	some rocks
18	4°	grey some gravel	8"	
17	2°	grey mud	8"	some gravel
16	2°	brown + grey sand	8"	
15	4°	black mud	18"	
14	2°	grey mud	14"	
13	skip by line cut			
12	2°	grey black mud	14"	organic

	DRAIN	SOIL	DEPTH	REMARKS
L 44 N	SLOPE	TYPE		
( )	3	2° BLACK SOIL	10"	hard to obtain organic free
	2	4° sand	8"	grey-brown
( )	1	4° sand	8"	grey- creek E → W
L 40 N				
	Δ 1	2° black soil	2"	creek E → W
( )	Δ 2	" "	14"	deep moss
	Δ 3	" light brown gravel	10"	fine- mixed gravel
	Δ 4	" black soil	5"	
	Δ 5	" grey soil	8"	
	Δ 6	" grey gravel	8"	loose rocks small gravel
	Δ 7	A° light brown dirt	8"	some fine gravel rocks
( )	Δ 8	4° black fine mud	10"	
	Δ 9	H° light grey soil	8"	some fine gravel
( )	Δ 10	" light brown soil	8"	some reddish fine
	Δ 11	2° "	6"	some gravel
	Δ 12	" "	"	"
( )	Δ 13	A° grey sandy soil	8"	

	DRAIN	SOIL	DEPTH	REM
L36N				
"	✓			
11	2°	fine gravel	8"	
10	"	grey clay mud	8"	
9	"	with rocks	8"	soil cracks
8	"	black sandy mud	8"	
7	2°	dark brown soil	4"	very rocky
6	2°	grey clay mud	8"	
5	"	rusty gravel	6"	sloppy net
4	"	grey sandy soil	8"	
3	"	grey soil	10"	
2	"	grey mud	15"	
1	"	black soil	12"	crack E 7/10

ges-chem:

Aug 8/67

Bill Grid

Summary: L. 60 N

L. 60 S

L. 64 S

M. Simpson

L. 60N	DRAIN SLOPE	SOIL TYPE	DEPTH	REM.
Δ 20	2°	black sand mud	4"	dried creek E → W
Δ 19	"	grey brown mud	4"	creek E → W
18	flat	grey sandy clay	8"	
17	2°	black sand	8"	
16	5°	grey sand	6"	creek E → W
15	"	black soil	12"	very organic
14	"	gravel	6"	creek E → W
13	"	grey sand	6"	
12	"	"	"	
11	"	grey sandy soil	10"	organic
10	"	grey sand	10"	some sand
9	"	grey sand	8"	
8	"	clay - sand	12"	permafrost
7	4°	gravel + mud	6"	creek E → W
6	2°	grey muddy sand	8"	5.5 creek E → W
5	2°	clay - mud	6"	
4	2°	sandy gravel	8"	

	DRAIN SLOPE	SOIL TYPE	DEPTH	REMARKS
L 60 N				
( Δ 3	2°	grey sandy clay	10"	
Δ 2	"	loose rock chips	8"	
( Δ 1	2°	"	8"	some soil mix.
L 60 S				
( Δ 1	2°	loose rock chips	6"	some soil
( Δ 2	"	"	"	"
( Δ 3	"	muddy gravel	8"	
4	"	"	"	
5	10°	grey gravel & clay	14"	
6	5°	grey black dirt	10"	
7	2°	grey mud	10"	permafrost
( 8	"	gravel	8"	
9	5°	grey brown dirt	14"	permafrost
( 10	5°	black dirt	14"	
11	2°	grey dirt	10"	grey soil & gravel
( 12	5°	sandy dirt	8"	
13	2°	black soil	10"	organic

	SLOPE	SOIL TYPE	DEPTH	REMARKS
L. 60.5	DRAIN			
Δ14	5°	grey sandy gravel	8"	
Δ15	"	"	"	some rock chips
16	10°	grey coarse sand	8"	creak 15.5 F → W
17	10°	grey soil	8"	organic permafrost
18	10°	mix. sand & soil	8"	dry stream E → W
19	10°	grey sandstone	8"	permafrost
20	20°	"	"	" hard to get
L. 64.5				
Δ20	"	no sample		permafrost
Δ19	15°	grey coarse sand	12"	
Δ18	10°	grey silt	8"	permafrost
17	10°	gravel	8"	only
16	"	grey clay sand	8"	permafrost
15	"	con. clay	8"	some soil
14	5°	black soil	8"	organic
13	"	course grey black soil	8"	
12	5°	loose brown earth	8"	

		SLOPE	SOIL TYPE	DEPTH	Remarks
64	S. ↓				
(	"	11	black loose rock	8"	Rock chips
		10	grey soil	8"	Perma- frozen
		9	black soil	10"	organic
(		8	loose coarse sand	15"	grey
		7	loose gravel	16"	muddy
(		6	"	"	loose & dry
		5	loose coarse sand	8"	
		4	loose grey earth	6"	organic stream 5-76)
		3	"	"	
		2	grey clay-like	8"	permafrost
		1	grey loose	8"	
(			muddy gravel		
(					
(					

geo-chem:

BILL

( Aug 9/67

( SUMMARY: L 28-S

( L 20-S

( L 20-N

( M. Simpson

L. 28-S	SLOPE GRAIN	SOIL TYPE	DEPTH	REM.
	↓	black clay dirt	12"	8' gravel
( Δ 1	2°	grey dirt	10"	some rocks
Δ 2	"	grey muddy sand	4"	dry stream E → W
3	4°	grey soil	6"	
( 4	2°	"	8"	
5	2°	"	8"	
( 6	"	grey sandy soil	6"	
7	"	black muddy soil	6"	small stream SE → NW
8	"	brown organic soil	1 1/2"	plum forest
9	"	black sandy soil	6"	dry stream? NW
10	4°	grey brown sand	8"	
11	"	grey clay	8"	some rocks
( 12	"	grey brown soil	10"	muddy, some gravel
13	"	grey black soil	10"	some coarse sand
( 14	"	"	8"	"
15	"	grey sand	8"	some rocks
( 16	2°	grey soil	8"	large rock chips
17	2°	light brown mud	8"	ROCKS also

L. 28 S	SLOPE DRAIN	SOIL TYPE	DEPTH	REMARKS
Δ 18	2°	black soil	8"	
19	2°	loose gravelly black soil	10"	soil - mix
20	2°	black soil sand mix	8"	
L 20 S				
Δ 20	2°	gray sandy soil	8"	more float
Δ 19	"	"	10"	"
18	"	light gray clay	10"	
17	"	black sandy soil	12"	
16	"	black sandy mud	4"	due to stream 7N
15	1/2°	black soil	8"	
14	"	"	12"	
13	"	gray soil	18"	
12	2°	black sandy mud	4"	stream - 7N
10	"	black earth	2"	granite
9	"	"	14"	"
8	"	gray black earth	10"	"
7	"	"	8"	"

	SLOPE DRAIN	SOIL TYPE	DEPTH	REMARKS
L 205				
( Δ 6	2°	Black sandy mud		stream E 7W
Δ 5	"	grey sandy soil	10"	
4	flat	swampy		no sample
( 3	2°	gravel	6"	small rocks
2	2°	grey black soil	8"	
( 1	"	grey sandy soil	8"	
L 20N				
Δ 1	2°	light grey soil	8"	permafrost
Δ 2	"	grey rock chips	14"	rock chips
Δ 3	"	grey soil	10"	
4	"	grey soil & clay	10"	permafrost
( 5	flat	grey soil	10"	"
6	"	black gravel	8"	organic
( 7	"	coarse sand	10"	brown
8	"	black grey soil	10"	permafrost
( 9	"	grey sand-like	8"	
10	"	grey & brown gravel	8"	rocks

geo-chem :

Aug 9/67

SUMMARY: L. 36-S

L. 32-S

L. 32-N

S. Macleod

geo-chem

BILL

Aug 10 / 67

SUMMARY - L 12-S

- L 8-S

L 8-N

L 12-N

M. Simpson

L. 12 S	SLOPE DRAIN	SOIL TYPE	DEPTH	REM.
(	Δ 1	2° grey brown clay-like	12"	crack E-W
	Δ 2	flat grey brown med. cl.	10"	
	3	2° grey soil	15"	mineral
(	4	" grey clay like	10"	permafrost
	5	4° grey sand	15"	crack E-W
(	6	2° grey brown med	8"	mineral
	7	" grey clay like	8"	
	8	2° light brown med	6"	small uncorr.
	9	2° light grey sil	7"	
	10	fine grey gravel	6"	rocky
	11	" light grey gravel	8"	"
(	12	" crack clay like	6"	
	13	" greenish grey clay like	10"	
(	14	2° black mud	12"	mineral
	15	" black oil	18"	mineral
(	16	swampy black oil	no sample	
	17	2° black oil	10"	mineral

	DRAIN SLOPE	SOIL TYPE	DEPTH	REMO.
L. 12 S				
↓				
Δ 18	flat	grey mud	10'	some roots
Δ 19	"	grey muddy	lay 10'	some roots
20	2"	broken muddy soil	8'	some roots
L. 8 S				
↓				
Δ 20	flat	grey gravel	8"	
19	flat	grey mud	10'	
18	"	"	10'	some gravel
17	"	grey mud	10'	some roots
16	"	blue mud-like	10'	
15	swamp		no	sample
14	flat	black soil	10'	organic
13	flat	black soil	10'	some roots
12	"	black soil	10'	thumpy organic
11	"	black sandy soil	10'	
10	2"	grey muddy gravel	8"	
9	"	grey soil	8"	some roots
8	"	grey sandy soil	10'	"
7	"	black soil	10'	

	ORAIN SLOPE	SOIL TYPE	DEPTH	RE. NO.
L. 8. S				
( Δ 7	2°	grey brown	8"	
Δ 6	"	"	"	permafrost
5	2°	grey clay-like	10'	crest 4.5 1-705
( 4	"	grey silt-like	10'	min.
3	flat	mix coarse sand	8"	some brown dirt
( 2	"	black + grey	8"	at 72 10
1	"	grey + reddish	10'	permafrost
L. 8. N.				
Δ 1	flat	mix sand	8"	organic
Δ 2	"	grey black soil	10'	
( 3	"	grey brown soil	12'	organic
4	2°	grey sand	10'	100-6
( 5	2°	black + grey soil	8"	
6	flat	flat soil	8"	mostly organic
( 7	2°	black sand	8"	
8	2°	grey silt	10"	
9	flat	"	8"	

L. 8N	SLOPE DRAIN	SOIL TYPE	DEPTH	REMARKS
10	flat	grey muddy soil	10"	organic
L. 12N.				
Δ 10	flat	grey black soil	8"	
Δ 9	2°	grey muddy soil	8"	
8	flat	grey sand	10"	
7	"	black muddy soil	0"	coarse gravel
6	2°	grey muddy soil	8"	
5	flat	grey loose soil	8"	
4	2°	loose rock chips	8"	gravel
3	flat	grey soil	8"	
2	"	"	6"	
1	"	loose muddy gravel	8"	entirely wet

Middle of hill -  
080 - bedding on  
405

blocky dark gray  
cherty argillite.

405 top divide in  
w. creek chert -  
lst. dot, phyl., schist  
contact. An strike  
(090) with contact  
on center hill. May  
be contact with  
granite. Much  
granite float for  
few hundred feet  
below.

Directly E on creek.  
Massive light gray  
fg dense pyritic (2%)  
lst.

Grades into a f. g  
lst - sheet further  
down creek.

D-2⁹/₇-7

Now 3⁹/₇, as one  
goes N.

- Shear zone (faults  
also) in massive  
lst. Cut by CaCO₃  
veins carrying  
some galena, sphalerite.

shales, arsenic +  
pyrite. Where the  
sol. breccia was found  
before just before  
Leaveny creek. Creek  
itself appears to  
be a fault. Attitude  
of faults is 025  
60-85N.

a little black ls.  
breccia found  
here as float.

There are small scale  
normal displace-  
ments in the bed  
below this cut

They are shallower  
dip farther.

Bedding on side

0°  
65° S

0° on E side,  
85° NW

Breccia appears  
to be a gouge zone  
in shelt.

There appear to be  
2 or 3 gouge zones  
on W side of creek

with att.  $\frac{020}{90}$

100' ...  
120' ... fault (?)  
405

Seam appears to  
come into line  
from west.

Coastal gold  
...  
turned slightly  
to N.

At B.L. 34400 line  
cuts road ¹³⁰⁰⁰ 1000'  
from right turn

to W. Alcan. 100'

E. ... ..

from 36 40-113

28 7-207. River cut

at road.

Q85 - cherty arg.  
85N

(bedding,  $\approx 1-3''$ )  
nipple on W hill  
+ black chert,  
silicified cherty arg  
+ gray wuggy gneiss  
Traverse around  
valley.

In head of valley -  
granite boulders,  
gneiss (wuggy, gray),  
platy cherty arg.

D-26/2-1 - gray - gran  
chert - gneiss. Flat.

Top of valley.

D-26/7-2 Work gray  
rusty gytite. Most of  
float is same higher  
in the valley.

1/4 way down valley,  
bedded slaty argillite.  
(D 26/7-3).  $\frac{290}{40N}$  N

Rusty weathering  
Properly called slaty  
chert interbeds.

Directly overlying is  
a chert-gytite

poorly sorted  
conglomerate  
D-26/7-4

Extremely rusty in  
places. Very poorly  
consolidated.

Conglomerate outcrop  
appears to be  $\approx$   
continuous down  
stream for  $\approx 100'$

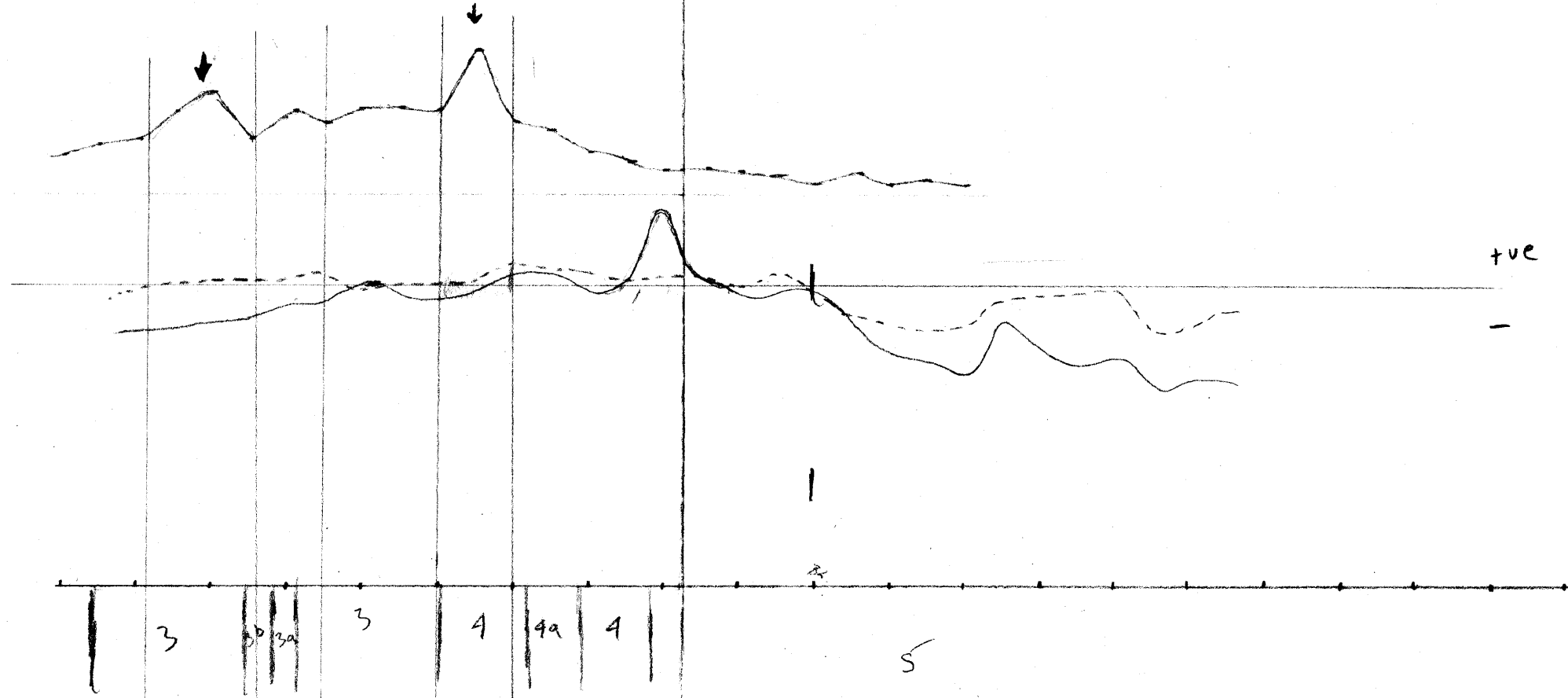
On contour on W  
corner of hill. Photo  
lat. D-26/7-6. Unit  
also has fine

laminated shale, dolomite and cherty argillite in it.

attitude changes rapidly from one outcrop to another generally  $\frac{120}{70}$  NE.

340 - 150' vertical  
45 W

Below last attitude changes radically. This outcrop is bedded platy chert - argillite with shale interbeds.



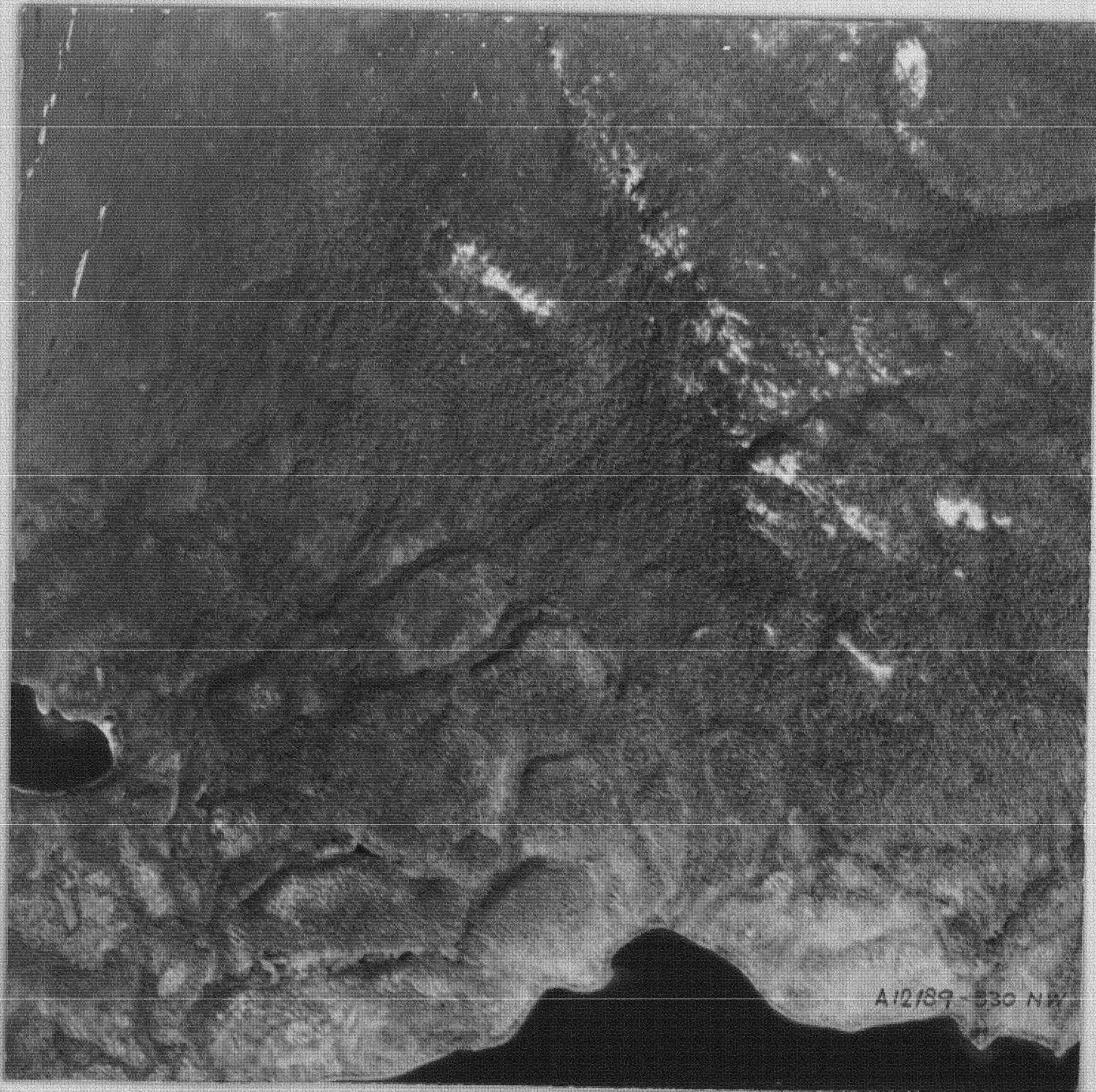
/ grey dolomite / ③  
 black phyllite / 3a / white /  
 grey dolomite / ④ / 4a. / ④ / grey chert

/ 85 / grey chert

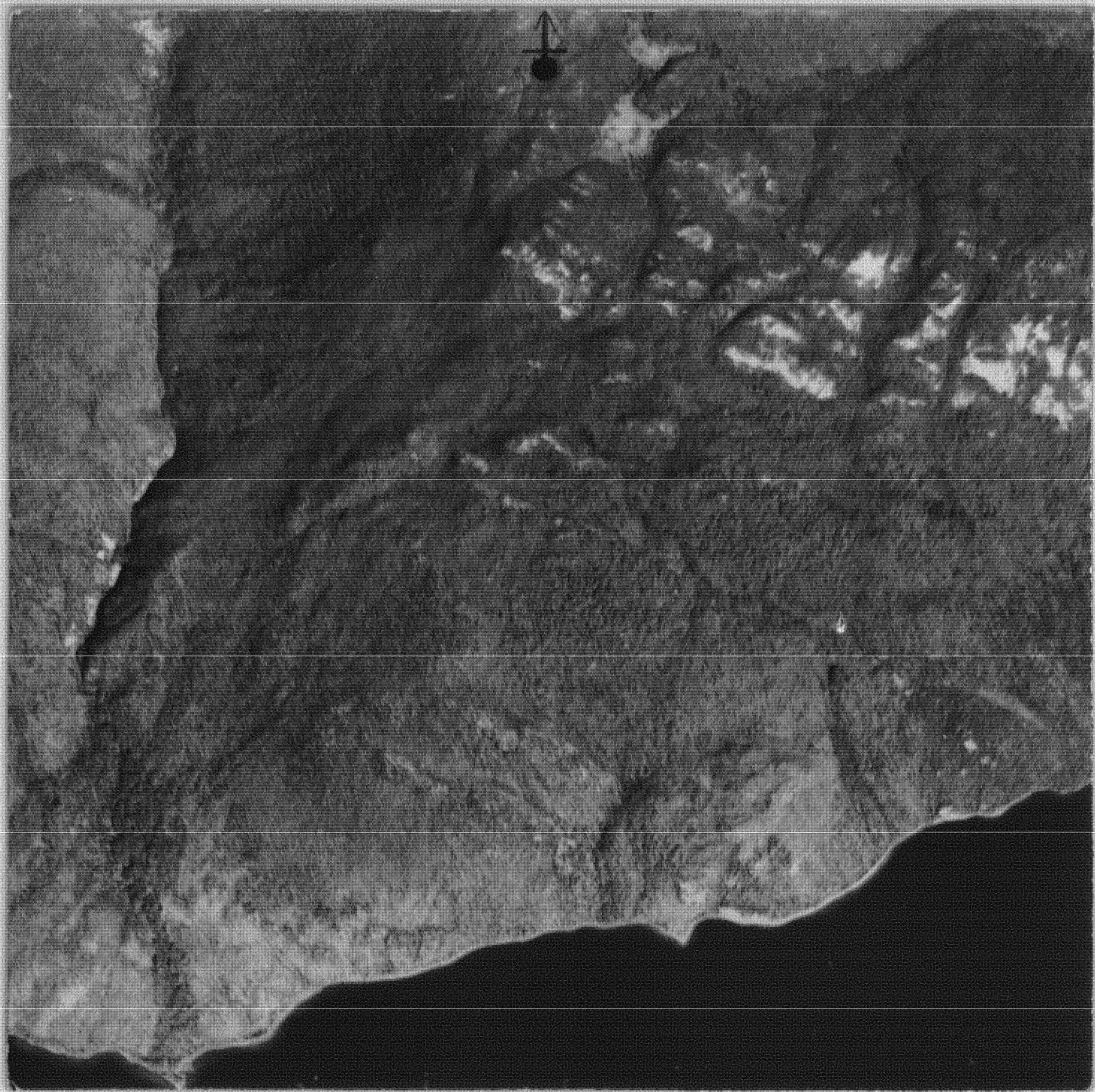
673

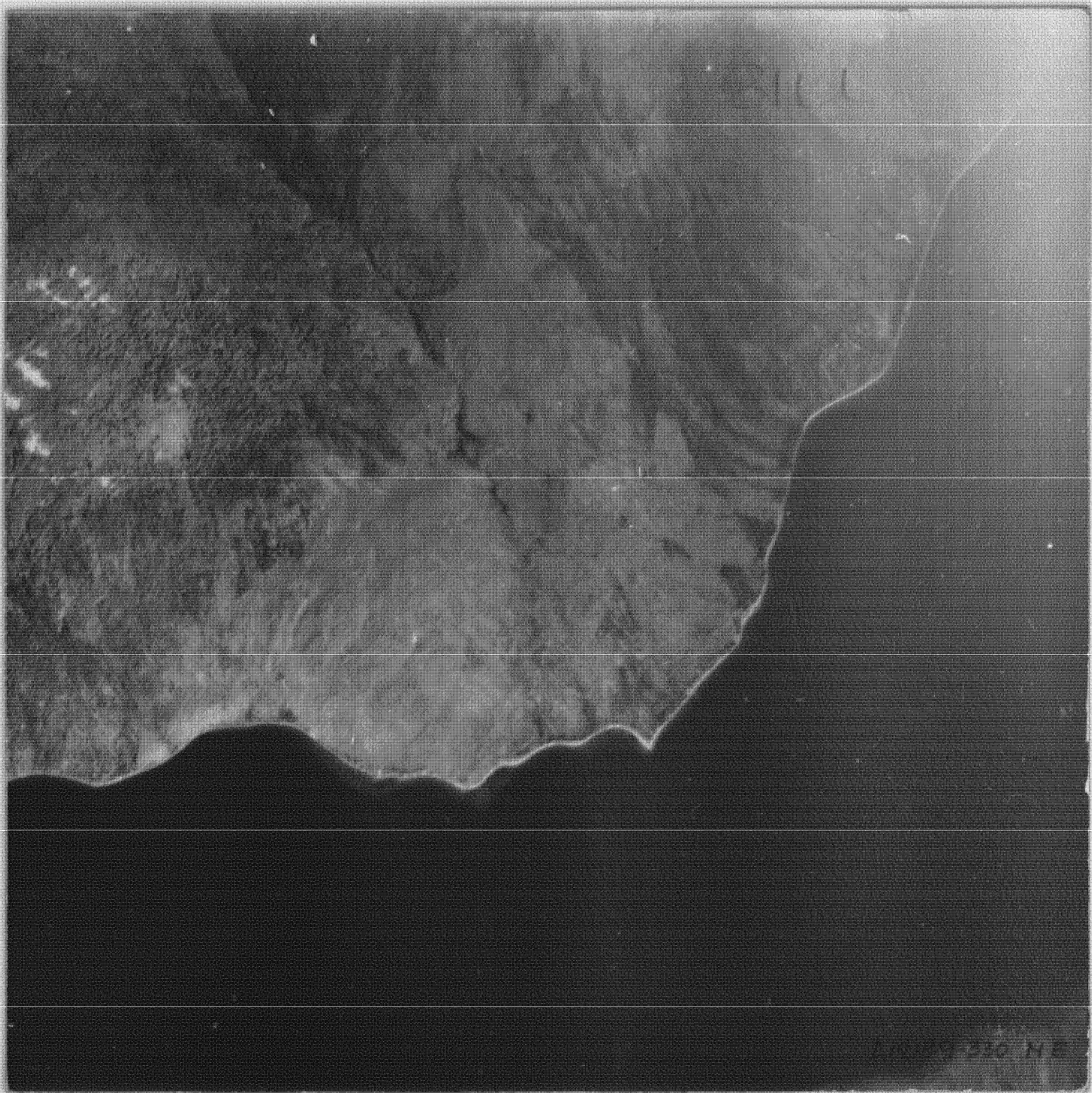
- 1) black chert, black phyllite
- 4a) black phyllite
- 3) grey dolomite
- 3a) white quartzite
- 3b) black phyllite

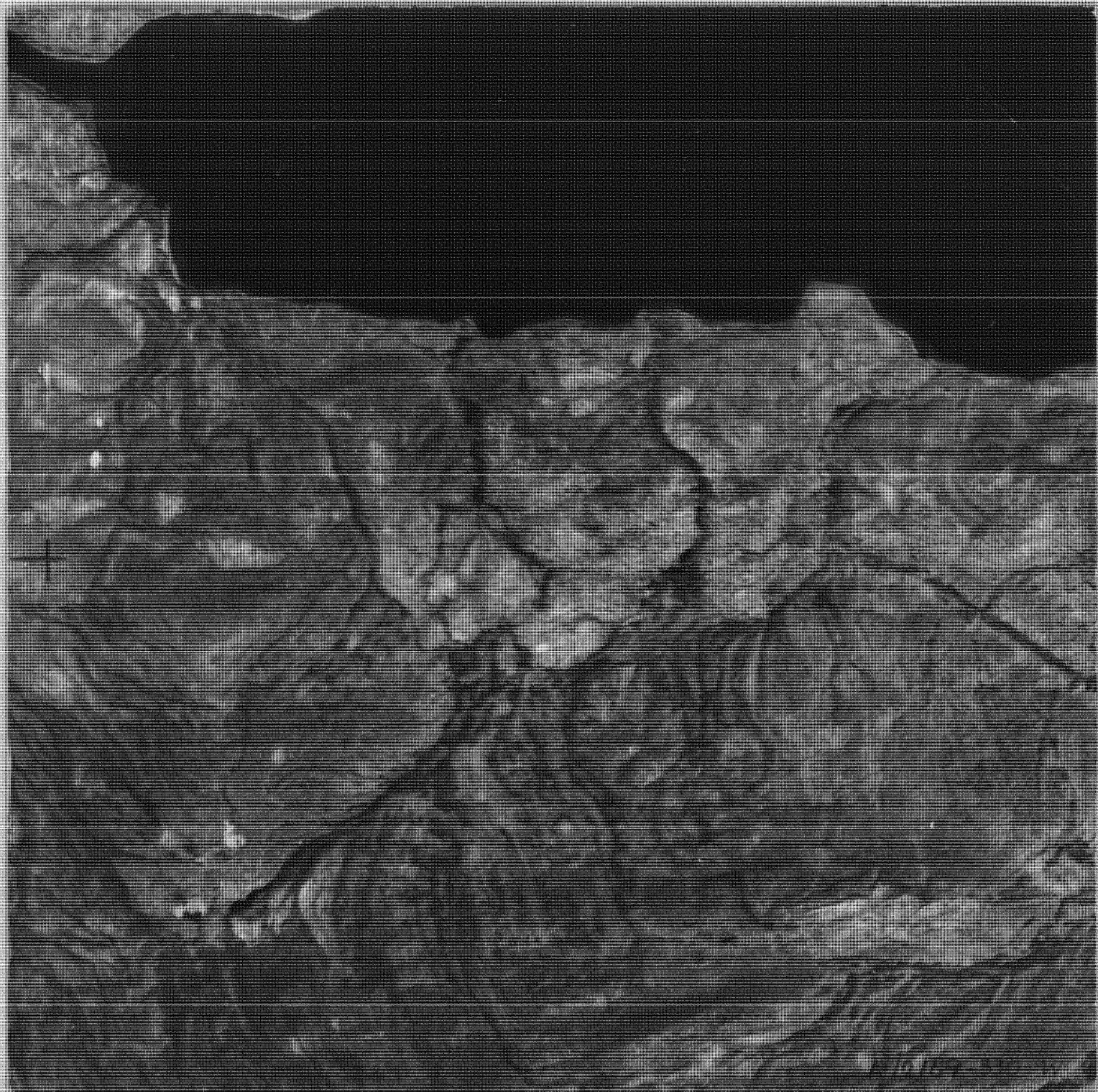
A12189.330

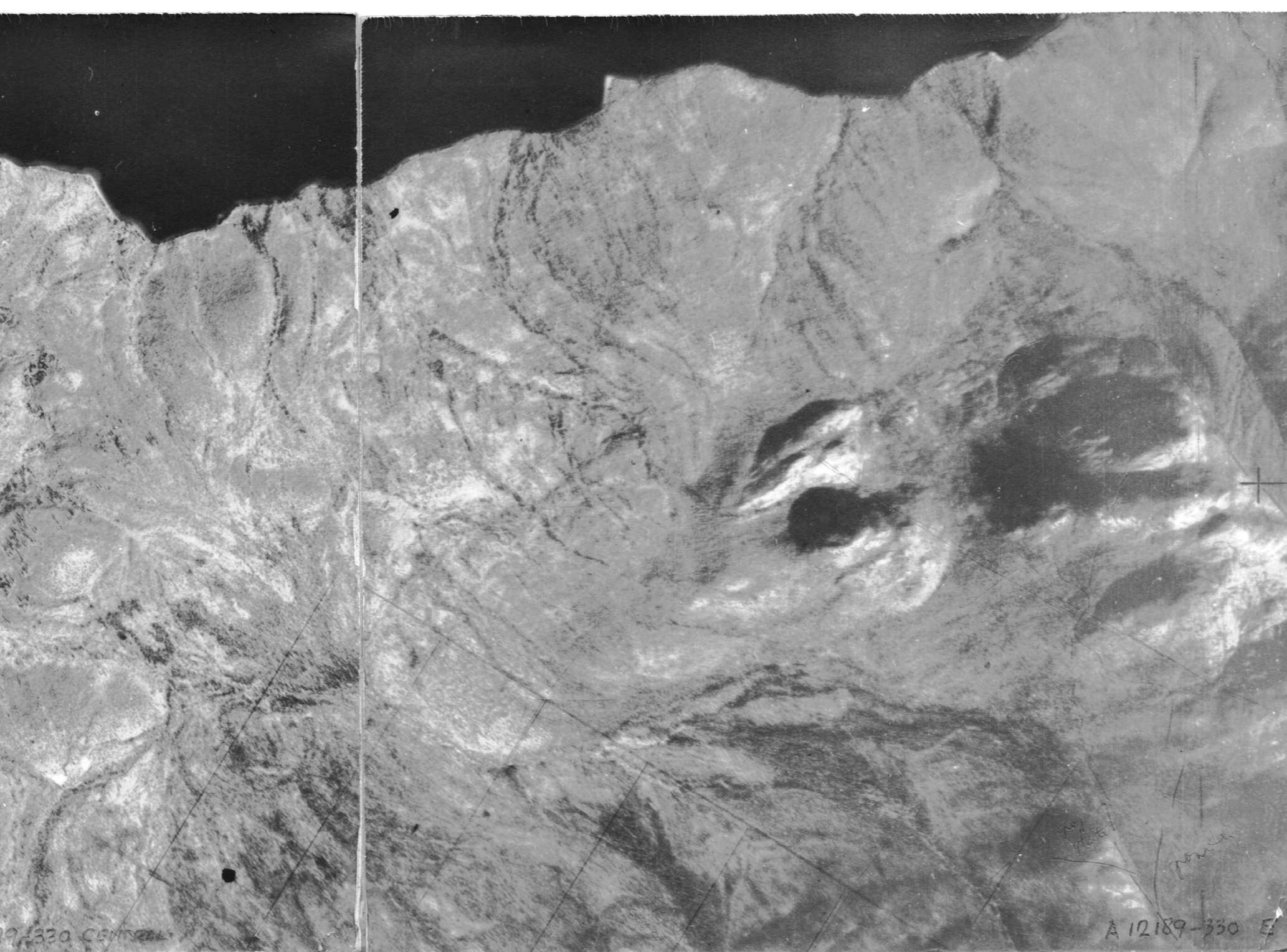


1/2/89 830 NW



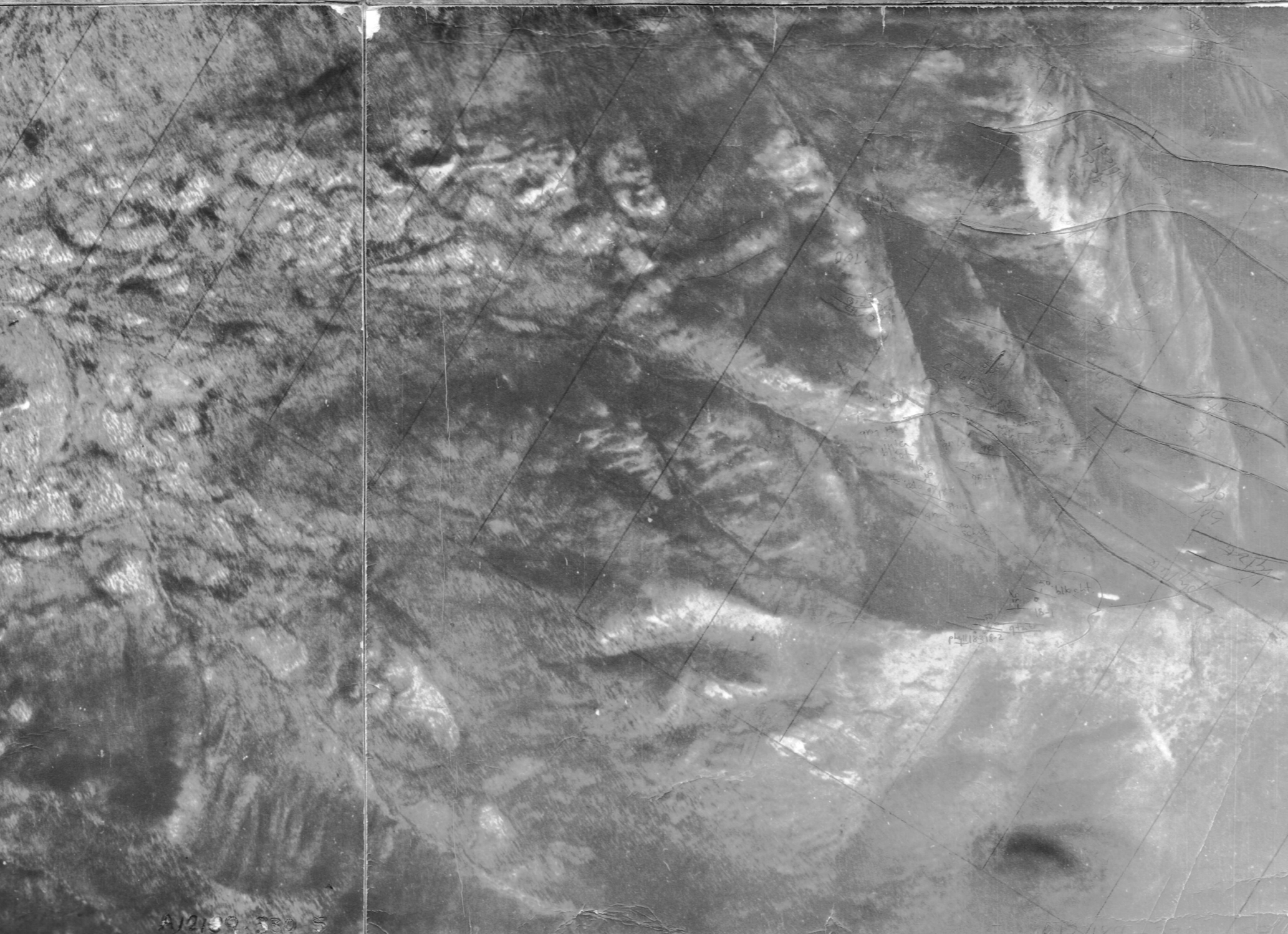






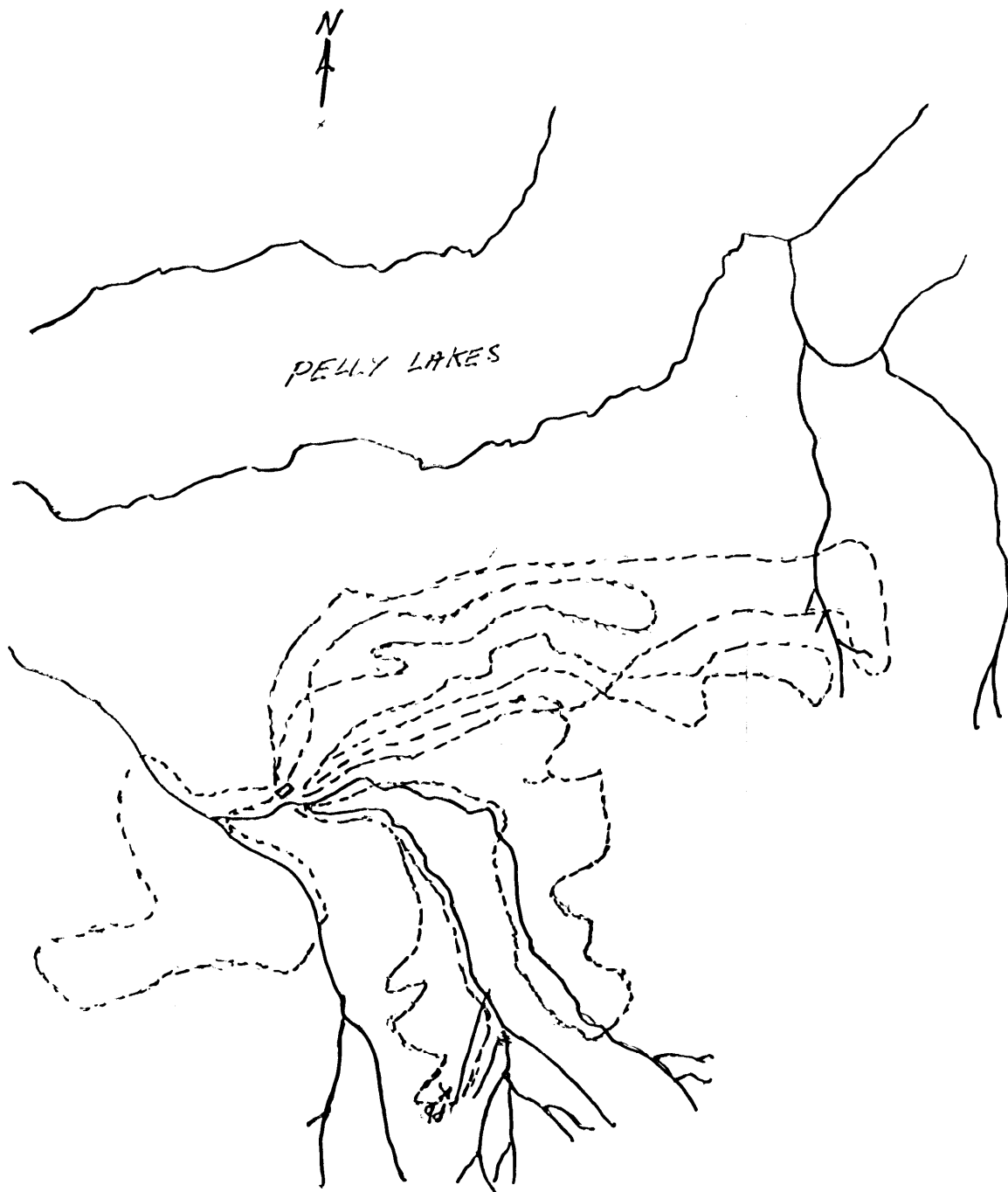
9-330 CENTRAL

A 12189-330 E



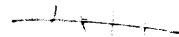
A 12189-330 S





MAP C  
PROSPECTING TRAVERSES  
BILL GROUP  
H. BRODELL  
JUNE, 1967

SCALE:  $\frac{1}{2}$  MILE = 1"



A12189-357

# SOIL SAMPLE LOG.

<u>DATE</u>	<u>SAMPLER.</u>	<u>TRAVERSE</u>	<u>SAMPLE No.</u>
AUG. 10	JOHN GRAHAM	①	J.G. 301 ✓
AUG. 10	TED SKOUSEN.	①	T.S. 1-2-3. ✓
AUG. 11	TED SKOUSEN	②	TS 4-7. ✓
AUG. 11	JOHN FRENCH	①	FR 1P-14P. <del>✓</del>
AUG. 11	J. GRAHAM	①	J.G. 301 ✓
AUG. 11	J. GRAHAM	②	J.G. 302 ✓
AUG. 11	P. RISBY	①	P.R. 1-7. <del>✓</del>
AUG. 11	T.S.B.	①	T300 → T307 ✓

ASSAY # LOCATION

✓ 1639 - 1.9% Cu; 135 g Ag; NAR GP. - West Gossan

✓ 1638 - 2.0% Cu.; 1.63 g Ag/ton Ag " ✓

✓ 1633 - 2.5% Cu. " ✓

✓ 1634 - 3.68 g Ag/ton Ag; 3.5% Pb, 3.1% Zn.; 0.24% Cu. " ✓

✓ 1635 - 0.91 g Ag/ton Ag; 14.8% Zn. " ✓

✓ 1636 - 8.68 g Ag/ton Ag; 10.2% Zn; 0.73% Cu. " ✓

✓ 1640 - 0.005 Au; 2.04 Ag; 1.6% Pb; 10.4% Zn; Tr. Cu. " ✓

1646 " ✓

1647 " ✓

1648 " ✓

→ Results not available. 14/9/66. " ✓

} Centre of claims

} Southern end

1642

JAKE GP - Centre of claims

1649 " ✓

Results not available 14th Sept, 1966

✓ 1627-31 - H. Dons GP - N-W corner.

✓ 1637 - N.E. End of Dons GP. - Tr. of Au; 0.44 g Ag/ton Ag; Tr of Zn; 0.22% Cu.

✓ 1623 - S.E. to Dons GP. - } 1.10 g Ag/ton Ag; 2.4% Pb; Tr. of Zn.

DON'S GROUP AREA.

1643 - ~~S.E. end~~ 2 mb. to S.E. of McEvoy's Lake at 5500' a.

1644 - " "

1645 - " "

1617 - } South of ~~McEvoy's~~? (South of Pelly Lakes) and

1618 } - South E. of Pay GP x North of McEvoy

1632 } - Lake.

1620 } -

1621 } -

1616 / -

1619

1626

1614

1615

1624

1625

} North of Tiller Lake x East of Me Pherson Lake.

Oct. 7 B. Watson  
 " M. Ladue  
 " M. Acklack  
 " I. Hill  
 " M. Smith  
 " P. Risby  
 Oct. 8 I. Hill  
 " P. Risby  
 " B. Watson  
 Oct. 11 P. Risby

BW 10-7 1-95

95  
 86  
 76  
 22  
 ---  
 329  
 25

M.L. 10-7① ~~0-46~~

" 10-7② 0-40

MA 10-7 0-76

IH 10-7 1-72 (2 bins - 2nd starts at 36)

HS. 10-7: 1-85

PRH 1-20

IH 10-8 1-65

PRH 1-50 - Western side of Forlin Lake

PRJ-1-60

(Western side of Forlin Lake)

Date	Sampler	Location	Sample Sequence	Date Sent	Date Recd
				<del>Date</del>	Sent
26th Sept.	Jan Hill	S.W. Pelly.	Line F. C-19,200' (or 65 pts.)		
26th Sept.	M. Ladue	N.W. Pelly	Line 11 A 1-50		
"	M. Smith	N.W. Pelly	Line 11-D 1-50		
"	HANK JACKSON	"	LINE 11-B 1-30		
Sept. 30th.	M. Smith.		Line #1 Line # 1A: 1-26		
"	"		Line #2: 1-28		
"	Mike Smith		Line #3: 1-24		
"	Mike Smith		Line #4: 1-48		
"	"		Line A-2: 1- <del>30</del> ⁴⁵		
"	"		Line #1: 1-26		
9 Oct. 1	Jan Hill.		Line 10:- 1-68		
Oct 1	Mike Smith		MS-10-1 1-35		
	M. A. [unclear]		M. [unclear] 1- [unclear]		
	J. Ladue		Line 10-1 1-46		
	M. Ladue		Line 10-1 D-12,400		
Oct 2	J. Ladue		M.L. 10 2.2 0-23		
	M. Ackhook.		M.L. 10 2.1 0-30		
	M. Smith		M.R. 10-2 (line 1) 0-53. 2226-3		
	J. Hill		MS 1 35-10		
	M. Smith		" 2 1-35		
	M. Ladue		I.H. 02. 1-18		
	M. Ackhook.		I.H. 01. 2-12		
Oct. 4.	M. Smith		MS 10-3. ① 1-45		
	M. Ladue		M.L. 10-3 ①: 1-45		
	M. Ackhook.		V-10-3 ①: 1-35		
	Pete Rusby		MA. 10-3 ①: 1-62		
	Pete Taffart.		PRD: 1-10		
Oct. 5	M. Smith		TY. 12 1-45		
	I Hill		MS 10-SL 1-1-38 L2 1-15		
	M. Ladue		I.H. F2 1-36		
	M. Ackhook		F3 1-36		
	B. Watson		M.L. 10-5 0-67		
	M. Ackhook		MA 105 0-47		
	M. Ackhook	N.W. of Pelly	B.W. 10-5		
	I Hill		L.3: 1-70 =		
	M. Smith		M10-6 0-56		
	M. Ladue		I.H. 10-6 1-5A		
	B. Watson		MS 10-6 L1 1-45 L2 1-37		
			M10-6 0-71		
			BW 10-6 1-13		

# SAMPLE (GROUPS) LOCATIONS

Sample No	Area (Map No)	Results IN.										
PR : 1-6 ✓ PR : 1-9 ✓ TM 2 : 1-29 ✓ J.H. : 1-15 JG : 302-304 TSB : 198-201; 146, 149, 156, 159, 160 1161; 222-232; (146-161) TM 3 : 1-45 ✓ TM 4 : 1-43 ✓ TM 7 : 1-15 16-30 P : 1-14 J.H. : 16-24, and 32, 33, 37, 38, 39 40, 41 PRD : 1-40 JG : 310-312 <del>FR : 33R-5DR</del>	105G-16 105G-16 105G-16 105G-16 105G-16 } 105G-16 105G-16 105G-16 } 105G-16 105H-13 105G-16 } 105G-16 105G-16 <del>105G-16</del>	Plotted 7/Sept/66 p lotted 7/Sept/66 Plotted 7/8  Plotted 7/16 P. whid	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>105 J2</td> <td>105 J1</td> <td>105 I4</td> </tr> <tr> <td>105 G.15</td> <td>105 G.16</td> <td>105 H.13</td> </tr> <tr> <td>105G 10</td> <td>105 G.9</td> <td>105H 12</td> </tr> </table>	105 J2	105 J1	105 I4	105 G.15	105 G.16	105 H.13	105G 10	105 G.9	105H 12
105 J2	105 J1	105 I4										
105 G.15	105 G.16	105 H.13										
105G 10	105 G.9	105H 12										
T.M. 7 : 16-30 T.S.B. : 119-143 T.S. : 10-17 T.S.B. : 1-32 ✓ <i>ms</i> T.M. 8 : 24-32 T.M. 8 : 1-23 " 33-49 FR: 33R-5DR PRB : 1-9 R : 1-32 PRC : 1-21 " 47-61	105H-13 105H-13 105H-13 105H-13 105H-13 105I-4 105I-4 105I-4 105I-4 105I-4 105I-4 105I-4	Plotted 9th Sep. Plotted Sept 10/66 Plotted 9th Sept Plotted 9th										
PRC : 22-46 ✓ T.S.B. : 162-194 T.S. : 73-132 " 1-8 Ei : 1-30	105J-1 105J-1 105J-1 105J-1 105J-1	Plotted Plotted Plotted										

TSB: -195, 196, 197, 214,  
215, 213

TMI: - 1 - End. ✓

J.G: -305-309

TSB: -78-118 x

FR. (F1-24

4 (from 105

~~TMI3~~

105J-1

105J-1: Platted

105J-1

105J-1

105J-1 (Same in 105J2)

~~Platted~~

TS: 24-72

TM 6: 1-49

TSB: -218-219  
210, 211

105J-2

105J-2

105J-2

T.S.B.: -202-209

105G-15

TSB - 33-77

TM6 -

105J-2

105J2.

- Platted  
~~Platted~~

Date Com In.	SAMPLER	LOCATION	SAMPLE SEQUENCE	PROCESSED PELLY	SENT.
Aug 24/66.	T.S.B.		# 185 → # 202		Aug/26
Aug 24/66	J.F. P.F.T.	RISBY P.T.	FR 1-R → 32R TMB-1 → 49.		
Aug 26/66	T.S.B.		# 203 → 252		
SEPT 2/66	P.F.T.		T.M. 10 -		
"	P.F.T.		T.M. 11 -		
"	R.W.		B.W. 1-1 → 3 ✓		
"	P.R.		PR-1-69-C ✓		
"	P.R.		PR- <del>8-1</del> → 9 ✓		
"	T.S.B.		235-237		
Sept 8 th /66	C.O. (Charlie Ollie)	N.W. of McEvoy Lake	CO1 - CO19 ✓		
"	P.R.		PRE 1-69 ✓		
9 th Sept	P.T.		T.M. 13: 1-51		
"	P.R. #		PRE: 70-105		
"			M.A: 1-307 ✓		
"	JO		JO: 1-30? ✓		
"			RE: line 3 Samples		
"			JA: lines 3x4 Samples		
"			JG: 96 Series		
"			JG: 96-11-121		
10 th Sept.	B.W.		B.W. 1-70 ✓		
	<del>T.M. 14</del> P.T.		T.M. 14: 1-31		
Sept, 16	J.F.		FR B: 51-60		
Sept. 17 th .	CO	N.W. of McEvoy Lake	CO: 20-27		
	JO		JO: 11-17		
	MA		MA: 15-27		
	I.H.	South of Pelly.	I.H. LA Complete ✓		
	Low Hill.	"	I.H. LB Complete ✓		
		"	I.H. LC ✓		
	Lake Henderson	West of Lake Group	JH: 65-71 ✓		
Sept. 18 th .	C.O.	S. Pelly Lakes	CO: 917: 1-32		
Sept. 22 nd	Mike Smith Mac Ladue Mac Acklack	N.W. of Pelly. " " "	LINE 13 MS: 1-29 (1-20 each) 12 E Line 12W		
Sept. 26	Mike Smith.	✓ ✓	11D-Series 1-50		

Aug 21/66

P.F.T

SAMPLE No.	SAMPLER	
T11-5 37A	P.F.T.	<20
" 37	"	40
" 38	"	220
" 39	"	40
" 40	"	100
" 41	"	<20
" 42	"	25
" 43	"	<20
" 44	"	<20
" 45	"	<20
" 46	"	30
" 47	"	<20
" 48	"	40

SAMPLE No.	SAMPLER	
TSB 33	T.S.B	40
" 34	"	<20
" 35	"	<20
" 36	"	<20
" 37	"	40
" 38	"	<20
" 39	"	<20
" 40	"	40
" 41	"	<20
" 42	"	40
" 43	"	<20
" 44	"	<20
" 45	"	60
" 46	"	<20
" 47	"	<20
" 48	"	<20
" 49	"	60
" 50	"	100
" 51	"	60
" 52	"	40
" 53	"	60
" 54	"	<20
" 55	"	<20
" 56	"	<20
" 57	"	40

SEPT 3/66  
P.F.T

SAMPLE NO.	SAMPLER	P.P.M.
33	P.R.	30
34	"	<20
35	"	<20
36	"	<20
37	"	<20
38	"	<20
39	"	<20
40	"	<20
41	"	<20
42	"	<20
43	"	40
44	"	<20
45	"	40
46	"	<20
47	"	<20
48	"	100
49	"	<20
50	"	<20
51	"	<20
52	"	<20
53	"	<20
54	"	<20
55	"	<20
56	"	<20
57	"	<20
58	"	<20
59	"	<20
60	"	<20
61	"	<20

SEPT 3/66

P.F.T.

SAMPLE NO.	SAMPLER	P.F.T.
TS.B 235	T.S.B.	<20
" 236		<20
" 237		<20
BW 1-1	R.W.	400 +
BW 1-3	R.W.	<20
1-2	R.W.	<20
PR -1-C	P.R	<20
2		<20
3		<20
4		<20
5		<20
6		20
7		<20
8		<20
9		<20
10		<20
11		<20
12		<20
13		<20
15		<20
16		<20
17		<20
19		<20
20		<20
21		<20
22		<20
23		<20
24		<20
25		40
26		<20
27		<20
28		<20
29		<20
30		<20
31		<20
32		<20

Aug. 21/66

P.F.T

	58	T.S.B	40
	59	"	40
	60	"	40
	61	"	60
	62	"	44
1	63	"	220
2	64	"	60
3	65	"	220
4	66	"	220
5	67	"	220
6	68	"	220
7	69	"	220
8	70	"	220
9	71	"	60
10	72	"	220
	73	"	40
	74	"	40
	75	"	40
	76	"	220
	77	"	220

SAMPLE	NO.	SAMPLER	P.P.M.
JH	33	J. H.	30
	34	"	100 +
	35	"	100 +
	36	"	30
	37	"	220
	38	"	80
	39	"	100 +
	40	"	80
	41	"	40
	42	"	20
	43	"	220
	44	"	80
	25	"	100 +
	26	"	100 +
	27	"	100
	28	"	20
	29	"	100 +
	30	"	60
	31	"	100 +
	32	"	20

Aug 24/66.

P.F.T

SAMPLE NO.	SAMPLER	P.P.M.
BW 1	RW.	90
2	"	60
3	"	70
4	"	60
5	"	20
6	"	<20
7	"	30
8	"	90
9	"	100+
10	"	30
11	"	40
12	"	100
13	"	40
14	"	35
15	"	<20
16	"	<20
17	"	90
18	"	40
19	"	60
20	"	80
21	"	80
22	"	80
23	"	80
24	"	100
25	"	80

Aug 21/66.

P.F.T.

SAMPLE NO.	SAMPLER.	
1 TM-5 1	P.F.T	<20
2 " 2	"	<20
3 " 3	"	<20
4 " 4	"	30
5 " 5	"	<20
6 " 6	"	75
7 " 7	"	<20
8 " 8	<u>1</u>	— <20
9 " 9	<u>11</u>	— 60
10 " 10	"	<20
1 " 11	"	<20
2 " 12	"	30
3 " 13	"	<20
4 " 14	"	60
" 15	"	60
" 16	"	40
" 17	"	<20
" 18	"	<20
" 19	"	<20
" 20	"	25
" 21	"	<20
" 22	"	<20
" 23	"	<20
" 24	"	<20
" 25	"	<20
" 26	"	10
" 27	"	<20
" 28	"	60
" 29	"	<20
" 30	"	60
" 31A	"	<20
" 31	"	<20
" 32	"	<20
" 33	"	40
" 34	"	<20
" 35	"	60
" 36	"	70

BIO-CHEM - PELLY LAKES

Aug 18/66.  
P.F.T.

TS	#	T.S.	
	19		<20
	20	"	100+
TM-	13	P.F.T.	<20
"	14	"	<20
"	15	"	<20
"	16	"	<20
"	17	"	<20
"	18	"	<20
"	19	"	<20
"	20	"	<20
"	21	"	<20
2	22	"	<20
3	23	"	30
4	24	"	<20
5	25	"	<20
6	26	"	30
7	27	"	<20
8	28	"	<20
9	29	"	<20
10	30	"	<20
1	32	"	<20
2	32	"	30
3	33	"	100+
4	34	"	35
5	35	"	100
6	36	"	30
7	37	"	30
8	38	"	<20
9	39	"	<30
10	40	"	<20
1	41		
2	42		
3	43		
4	44		
5	45		
6	46		
7	47		

SAMPLE NO.	SAMPLER	P.P.M.
TM-2 25		<20
26		<20
27		<20
28		<20
29		<20

AUG. 14/66

TS	#	T.S	P.P.M.
"	#10	"	<20
"	#11	"	<20
"	#12	"	<20
"	#13	"	<20
"	#14	"	<20
"	#15	"	<20
"	#16	"	<20
"	#17	"	<20
"	#18	"	30

AUG. 17/66.

FR.	1-T	J.G & J.F	P.P.M.
"	2-T	"	<20
"	3-T	"	<20
"	4-T	"	<20
"	5-T	"	<20
"	6-T	"	<20
"	7-T	"	<20
"	8-T	"	<20

TM-3	1	P.F.T	P.P.M.
"	2	"	<20
"	3	"	<20
"	4	"	<20
"	5	"	<20
"	6	"	<20
"	7	"	30
"	8	"	<20
"	9	"	<20
"	10	"	<20
"	11	"	50
"	12	"	<20

AUG. 18/66

SAMPLE NO.	SAMPLER	P.P.M. APPROX.
1 A.R. 1	A. ROSICART	100.
2 J.G. 305	J. GRAHAM	< 20
3 306		< 20
4 307		100 +
5 308		< 20
6 309		20
} traffic mt.		
7 TM-2 1	P.F.T	50
8 " 2	"	< 20
9 " 3	"	< 20
10 " 4	"	< 20
1 " 5	"	30
2 " 6	"	30
3 " 7	"	30
4 " 8	"	< 20
5 " 9	"	20
6 " 10	"	20
7 " 11	"	100 +
8 " 12	"	20
9 " 13	"	20
10 " 14	"	20
1 " 15	"	< 20
2 " 16	"	< 20
3 " 17	"	< 20
4 " 18	"	< 20
5 " 19	"	< 20
6 " 20	"	< 20
7 " 21	"	< 20
8 " 22	"	< 20
9 " 23	"	< 20
10 " 24	"	< 20

July 13/66.

P.F.T.

SAMPLE. NO.	SAMPLER	P.P.M.
1 Tml #49	P.F.T.	<20
2 " 50	"	<20
3 " 51	"	<20
4 " 52	"	<20
5 " 53	"	<20
6 " 54	"	<20
7 " 55	"	<20
8 " 56	"	60
9 " 57	"	30
10 " 58	"	<20
1 " 59	"	<20
2 " 60	"	<20
3 " 61	"	60
4 " 62	"	60
5 " 63	"	30
6 " 64	"	<20
7 cirque stream in ①	T.S.B.	95
8 400' up ②	"	100
9 200' E ③	"	<20
10 200' SE ④	"	<20
11 Chales Sl. ⑤	"	<20
12 50' W ⑦	"	<20



SAMPLE NO	TAKEN BY	PART. PER MIL
FR - 1 P	J.F.	30
" - 2 "	"	< 20
" - 3 "	"	< 20
" - 4 "	"	< 20
" - 5 "	"	< 20
" - 6 "	"	< 20
" - 7 "	"	35
" - 8 "	"	35
" - 9 "	"	35
" - 10 "	"	> 100
" - 11 "	"	< 20
" - 12 "	"	< 20
" - 13 "	"	< 20
" - 14 "	"	< 20
1 JG 302	JG	> 100 + ²⁰⁰
2 " 303	"	> 100 +
3 Tm 1 1		< 20
4 " 2		75
5 " 3		75
6 " 4		< 20
7 " 5		< 20
8 " 6		< 20
9 " 7		< 20
10 " 8		< 20
1 Tm 1 9		< 20
2 " 10		< 20
3 " 11		< 20
4 " 12		> 200
5 " 13		45
6 " 14		< 20
7 " 15		< 20
8 " 16		< 20
9 " 17		40
10 " 18		< 20

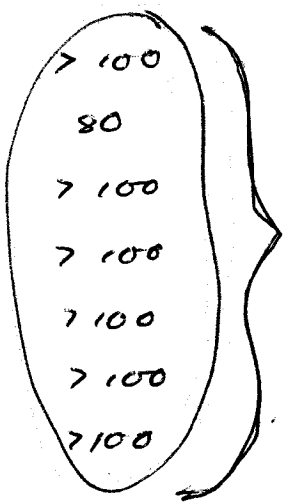
200

GEO CHEM - DELLY LAKES.

July 12/66.

P.F.T.

SAMPLE NO.	TAKEN BY	PART. P.R. MIC.	DATE TAKEN	RESULTS DATE
1 T-300	T.S.B	< 20		
2 T-301	"	< 20		
3 T-302	"	< 30		
4 T-303	"	< 25		
5 T-304	"	< 20		
6 T-305	"	< 20		
7 T-306	"	< 20		
8 T-307	"	< 20		
-				
1 F66-44	F.C.	< 20		
2 F66-43	F.C.	< 20		
3 F66-45	F.C.	< 20		
4 -				
5 PR-1	P.R	> 100		
6 " - 2	"	80		
7 " - 3	"	> 100		
8 " - 4	"	> 100		
9 " - 5	"	> 100		
10 " - 6	"	> 100		
11 " - 7	"	> 100		
-				
1 TS-1	T.S.	< 20		
2 " 2	"	< 20		
3 " 3	"	> 100		
4 " 4	"	< 20		
5 " 5	"	< 20		
6 " 6	"	> 100		
7 " 7	"	< 20		
8 " 8	"	> 100		
9 J.G. 301		< 20		
10 " 302		< 20		





Aug. 23/66  
P.F.T.

SAMPLE No.	SAMPLER	P.P.M
AH-4	A.A.	<20
5	"	40
6	"	100 +
7	"	<20
8	"	<20
J.H. #1	J.H	<20
2	"	40
3	"	80
4	"	30
5	"	<del>30</del>
6	"	30
7	"	<20
8	"	<20
9	"	60
10	"	60
11	"	<20
12	"	80
13	"	60
14	"	70
15	"	90
PR-B -1	P.R	<20
T.S.B 119	T.S.B	<20
120		<20
121		40
122		90
123		40
124		<20
125		40
126		20
127		20
128		<20
129		<20
130		<20
131		<20

GEO-CHEM - PELLY LAKES.

AUG. 18/66

P.F.T.

SAMPLE	No.	SAMPLE	P.P.M
T.S.B	1	T.S.B	
"	2	"	<20
"	3	"	30
"	4	"	100
"	5	"	20
"	6	"	<del>20</del>
"	7	"	<20
"	8	"	40
"	9	"	20
"	10	"	<20
"	11	"	<20
"	12	"	40
"	13	"	—
"	14	"	<20
"	15	"	60
"	16	"	<20
"	17	"	<20
"	18	"	<20
"	19	"	<20
"	20	"	60
"	21	"	50
"	22	"	30
"	23	"	<20
"	24	"	60
"	25	"	<20
"	26	"	<20
"	27	"	<20
"	28	"	30
"	29	"	<20
"	30	"	<20
"	31	"	<20
"	32	"	<20

SAMPLES GONE OUT.

LOCATIONS.

DATE Collected <del>in</del> In.	SAMPLER	LOCATION PLOTTED	SAMPLE SEQUENCE	PROCESSED PELLEY.
	T.S.B		T [#] 300 → T [#] 307	✓
	F.C.		F66-43 → 45	✓
	P.R		PR [#] 1 → PR [#] 7	✓
	TS		TS [#] -1 → TS [#] -8	✓
	J.G.		J.G. [#] 301 → [#] 302	✓
	J.F.		FR [#] 140 → [#] 140	✓
	J.G.		J.G. [#] 303 - [#] 304	✓
	P.F.T.		TM1- [#] 1 → [#] 64	✓
	T.S.B		① → ①	✓
	A.R		1	✓
	J.G.		[#] 305 → [#] 309	✓
	P.F.T.		TM-2 [#] 1 → [#] 29	✓
	T.S		TS [#] 10 → [#] 18	✓
	F.R		FR [#] 1-T → [#] 8-T	✓
	T.S		TS [#] 19 → [#] 20	✓
	P.F.T		TM-3 [#] 1 → [#] 47	✓
	P.F.T		TM 5 [#] 1 → [#] 48	✓
	T.S.B		T.S.B [#] 33 → [#] 77	✓
	T.S.B		T.S.B. [#] 1 → [#] 32	✓
	P.F.T	north of PELLEY north of PELLEY creek north of m. Eddy	TM-6 (PELLEY) [#] D → [#] 32	Aug 21/66
	T.S.		TS - 24 → [#] 32	"
	P.F.T		J.M.-4	"
	Joff.		FR.	"
	T.S.		TS [#] 21 → [#] 23	"
	T.S.		[#] 9	"
Aug 22	T.S		TSB PL [#] 83 → [#] 130	Aug 24/66
Aug 22	J.H.		J.H [#] 1 - [#] 15	✓ Aug 24/66
Aug 22	P.F.T.		TM7 [#] 1 → [#] 30	Aug 24/66
Aug 22	B.W.		BW [#] 1 → [#] 18	✓ Aug 24/66
Aug 22	T.S.B		TSIB [#] 146 → [#] 188	Aug 24/66
Aug 20	T.S.B		T.S.B [#] 78 → [#] 118	Aug 21/66
Aug 21	T.S.B		T.S.B [#] 119 → [#] 145	Aug 24/66
Aug 22	A.A		AH. [#] 4 → [#] 8	Aug 24/66
Aug 23	J.H		JH [#] 16 [#] 24	
Aug 23	T.S		PL [#] 131 → [#] 132	Aug 24/66
	T.S		TS [#] 133 → [#] 137	Aug 24/66

*sent in  
on the  
by  
Aug*

*not done  
at  
PELLEY.*