GEOCHEMICAL REPORT

ON THE

X GROUP OF CLAIMS

ATLIN MINING DIVISION, BRITISH COLUMBIA and Petroleum Resources Department for CANADIAN JOHNS-MANVILLE COMPANY, LIMITED **Exploration Department** P.O. Box 1500 - Asbestos, Quebec

Covering:

X Claims No. 1-8, 13-18 AT Claims No. 7-8, 10-18 HOBO Claims No. 91, 93-96

Located:

59⁰42'N, 133⁰26'W 1)

2)

N.T.S. Map 104N - Atlin On Boulder Creek, 12 miles northeast

of Atlin, B.C.

Submitted: by

Chong-Pin Lin, M.A.

H.K. Conn

, P.Eng.

Date

February 1971



Expiry Date: Jan. 28, 1972



Expiry Date: Jan. 28, 1971

TABLE OF CONTENTS

	Page No.
SUMMARY AND RECOMMENDATIONS	1
INTRODUCTION	1
LOCATION AND ACCESS	1
PHYSIOGRAPHY AND VEGETATION	2
GENERAL GEOLOGY	2
GEOCHEMISTRY SURVEY:	2 - 3
A. Grid ControlB. Sampling MethodsC. Analytical TechniquesD. Classification of DataE. Data Presentation	3 3 - 4 4 - 5
DISCUSSION OF DATA	5 - 6

APPENDIX A: COST ANALYSIS

APPENDIX B: STATEMENT OF QUALIFICATIONS - H.K. CONN & C.P. LIN

APPENDIX C: GEOCHEMICAL SOIL SURVEY DATA

	LIST OF M	APS:				<u>Scale</u>
*	Boulder C Atlin, B.	1" = 1,000'				
*2	Boulder C	reek - Geoc	hemical Su	rvey - Pb Dis	tribution	1" = 200'
	\$3 ··	-	11	- Cu	ti .	и
	* H	_	ŧr	- Ag	ii	u
	۶ _"	_	II	- Mo	11	Ħ
	b	-	-11	- W	N	II
	1 ,,	-	, u	- Sn	Ħ	u

SUMMARY AND RECOMMENDATIONS:

A geochemical survey was carried out over the X group of claims as a follow-up of previous reconnaissance investigation. A total of 189 samples were collected and assayed for molybdenum, copper, lead, silver, tin and tungsten.

Only the results of lead and copper show significant anomalous patterns that seem to have been derived from mineralization up slope to the west of the present sampling area. The results of other elements are generally low apart from a few erratic highs.

Therefore, it is recommended that further geochemical surveying, geological mapping, and prospecting be applied to the area that lies upslope and west to the present grid area in an attempt to locate the source of this mineralization.

INTRODUCTION:

During the period July 11 to August 15, 1970 a geochemical survey was carried out over the X group of claims owned by Canadian Johns-Manville Company, Limited. The work was done by geologist N.C. Aspinall and his assistant P. Nicholson; both were employed by the above said company. This survey consists of follow-up geochemical sampling on a 200-foot grid pattern over weak anomalies outlined by an earlier reconnaissance survey.

LOCATION AND ACCESS:

These claims are located in the Boulder Creek area of Atlin Mining Division, B.C., about twelve miles northeast of Atlin and three miles upstream from Surprise Lake. The property can be reached by a secondary road to Surprise Lake and a rough road up the west side of Boulder Creek. Geographical location is 39°42'N and 133°26'W, on the Atlin map sheet 104N.

PHYSIOGRAPHY AND VEGETATION:

Elevation of the claim group ranges from 4,500 feet at the south end to 5,600 feet at the northeast corner with a local relief of about 1,100 feet. Boulder Creek valley strikes north-south and slopes gradually up to Mount Leonard and the peaks along the Ruby Creek - Boulder Creek divide. The southern slopes of those peaks are generally steep but rounded in nature.

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

The development of soil under these conditions is very slow with some organic A-horizon and negligible B-horizon, followed by an intermixture of grey glacial till and broken bedrock forming the C-horizon.

GENERAL GEOLOGY:

The main part of the claim group is underlain by the Ruby Creek alaskite which forms a small outlier of the Surprise Lake batholith of Cretaceous age.

The southwest portion of the claim group is underlain by sediments of the Cache Creek group and some small ultrabasic bodies; both of Permian age.

The Surprise Lake batholith is composed of alaskite which is characterized by inequigranular texture and abundant smoky quartz. The Cache Creek group sediments in the vicinity of the claims are argillaceous quartzite, quartzite, and re-crystallized limestone. The peridotite bodies are part of the Atlin intrusions in the Cache Creek sediments.

GEOCHEMISTRY SURVEY:

In July 1970 a grid system of sample stations was established along the central fork of Boulder Creek over the following claims:

GEOCHEMISTRY SURVEY: (Cont'd)

HOBO 89, 91, 93-96 AT 7 & 8, 10-12, 18 X 14, 16

A total of 189 geochemical samples was collected from the grid by Geologist C. Aspinall and his assistant P. Nicholson.

A. Grid Control:

A north-south baseline, 5,000 feet long, was surveyed along the central fork of Boulder Creek. East-west offset lines were established at 400 foot intervals which extended 1,000 feet on either side of the baseline. The survey was done with a Brunton compass and 100-foot chain. Stations on each line were marked by pickets and flagging.

B. Sampling Methods:

All sample numbers were headed by "X" to denote the X claim group. Other letters in the sample numbers indicate the types of sample material collected and their environment, e.g.

XS - Soil XSP - Seep XR - Rill XCR - Creek

The pattern of sampling basically followed the grid lines at intervals of 200 feet. Additional samples were collected from any creeks, rills and seeps encountered within the grid. B-horizon material was sought where possible but A zone material was collected where the B-horizon was not available.

C. Analytical Techniques:

The geochemical samples were analyzed in the Vancouver laboratories of Bondar-Clegg & Company, Limited. Tests for copper, lead, molybdenum, silver, tungsten and tin were run on the complete batch of 189 samples.

C. Analytical Techniques: (Cont'd)

The samples were dried at 40° to 50°C in infra-red ovens and sieved to -80 mesh in Tyler sieves. In order to extract the metals, an aliquot of -80 mesh fraction was digested in hot aqua regia, amonium iodide and potassium carbonate. The metal content of each sample was determined by atomic absorption and colorimetric means at various detection limits of 2, 1, and 0.2 ppm. A description of the method used is presented below:

Elemen	Extraction Method	Determination Method	Detection Limit
Cu Pb Mo	Hot Aqua Regia "	Atomic Absorption	ppm ppm ppm
Ag Sn W	Amonium Iodide Potassium Carbona	Colorimetric	0.2 ppm 2 ppm 2 ppm

D. Classification of Data:

The sample data are classified into five categories for each element as follows:

Negative : $0 - (\overline{x})$ Possibly anomalous: $(\overline{x}+1) - (\overline{x}+s)$ Probably anomalous: $(\overline{x}+s+1) - (\overline{x}+2s)$ Anomalous : $(\overline{x}+2s+1) - (\overline{x}+3s)$ Highly anomalous : $(\overline{x}+3s+1)$

" \overline{x} " is the arithmetical mean; "s" is the standard deviation.

The 189 samples were treated as one population. Although they were collected from different environments and should be dealt with separately, their amount is too limited to allow such subdivision.

E. Data Presentation:

Detailed sample locations are shown on a 200 foot scale map. Analytical results in parts per million are plotted at the sample stations on individual map sheets showing values of each element.

E. Data Presentation: (Cont'd)

Stations of anomalous values are indicated by symbols as described in the legends of the geochemical survey maps.

DISCUSSION OF DATA:

A study of all the elements by superimposing their distributions shows that no significant concentric rings of anomaly are present in the grid area. However, two zones of moderately anomalous values are noticed. One centers at stations x = 54 and x = 56 in the northwest portion of the grid; the other stretches along x = 86, x = 91 and x = 123 in the central portion of the grid.

A few other weak, coincident anomalies are scattered sporadically along the creek.

Pb:

An obvious zone of anomaly is found on the central portion of the grid, west of the creek. The values seem to increase up slope towards the western margin of the grid to a peak of 270 ppm - xs 78. This suggests that the source of this lead mineralization occurs up slope to the west of the present grid area.

The remaining scattered anomalous values occurring outside the mentioned zone are disregarded as erratics.

Cu:

One anomalous zone at the northwest margin of the grid is open up slope to the west, with a tendency for the values also to increase up slope. This suggests a source of possible copper mineralization up slope to the west of Line 32-44. Slightly anomalous values are also distributed along the main creek as well as in some of the rills at the northern end. No significant patterns are formed by these stations.

DISCUSSION OF DATA: (Cont'd)

Ag:

Scattered anomalous values are found inside the vegetation zone at the southern portion of the grid. The widespread, erratic pattern probably reflects a different environment rather than a source of significant mineralization. Other erratic high values occur along rills and are of no significance.

Mo:

No values of any significance are revealed in the Mo results. There is a slight tendency for higher values to occur along the creek or associated with some of the rills but, in comparison with the highly anomalous geochem results in the adjoining Ruby Creek headwaters to the northeast, the area is of no significance.

W:

Results are low in general. Slightly anomalous values are found on the east side of the creek. They were probably derived from the tungsten mineralization which occurs in association with veins of quartz previously found to the east of the present claim area.

<u>Sn:</u>

Generally, values are low. Most of the anomalous stations are loosely distributed in the northern portion of the grid west of the creek.

COST ANALYSIS

1.	LABOR COSTS: (July 11 to August 15)			
	Geologist - C. Aspinall 20 days at \$40.77 per day	\$	815.40	
	Assistant - P. Nicholson 20 days at \$17.36 per day	_	347.20	
	ь.	-		\$ 1,163.00
2.	CAMP COSTS - ROOM & BOARD:			
	40 man days at \$10.00 per man day			400.00
3.	ANALYTICAL COSTS:			
	Sample analysis for Cu, Pb, Mo, Ag,			
	W and Sn 189 samples at \$6.60 per sample	\$ 1	,247.40	
	Shipping charges	_	23.56	
				1,271.00
4.	REPORT PREPARATION COSTS:		•	
	Technican - A. Therrien 3 days at \$32.30 per day	\$	97.00	
	Geologist - C.P. Lin 10 days at \$28.00 per day		280.00	
	Office supplies	_	50.00	
				427.00
5.	TRAVEL FARE:			•
	Air tickets from Whitehorse to Vancouve	er:		
	C. Aspinall P. Nicholson	\$	113.00 113.00	
				226.00
TOT	'AL			\$ 3,487.00

STATEMENT OF QUALIFICATIONS

- I, Chong-Pin Lin, of the city of Asbestos in the Province of Quebec, hereby certifies that:
- 1. I am a mining exploration geologist, with three years of experience.
 - 2. I am a graduate of the following universities:

National Taiwan University B.A. (Geology) 1965 (Republic of China)

Bowling Green State University M.A. (Geology) 1969 (Ohio, U.S.A.)

- 3. I am employed by Canadian Johns-Manville Company, Limited, P.O. Box 1500, Asbestos, Quebec, as a geologist.
- 4. The costs of the survey discussed in this report and analyzed in Appendix A are, to the best of my knowledge, correct.
- 5. This report is based on published and unpublished information.

February 1971

Chong-Pin Lin

STATEMENT OF QUALIFICATIONS

- I, Herbert Keith Conn, of the town of Asbestos, do hereby declare that:
- 1. I am a mining geological engineer employed as Exploration Manager for Canadian Johns-Manville Company, Limited, P.O. Box 1500, Asbestos, Quebec.
- 2. I have practised in the geological profession for 22 years and specialized in economic geology and exploration procedures for the past 21 years.
- 3. I am a graduate of the University of Toronto, Toronto, Ontario, with a degree of B.A.Sc. (Mining Geology), 1948.
 - 4. I am a member of the following professional associations:
 - (a) Corporation of Engineers of Quebec
 - (b) Non-resident member of the Association of Professional Engineers of the Province of British Columbia
 - (c) Fellow of the Geological Association of Canada
 - (d) Fellow of the Society of Economic Geologists
 - (e) Member of the Canadian Institute of Mining and Metallurgy
 - (f) Member of the American Institute of Mining Engineers
- 5. This report is based on published and unpublished information.

H.K. Conn

GEOCHEMICAL SOIL SURVEY DATA

AREA:

BOWLDER CREEK ATUN M.D.

COLLECTOR: P. NICHOLSON

AMPLE	100171011	DRAINAGE	DUVELO CO A DUVE	SOIL	HORIZON	6010115	Trywine	DEMARKS	ANALYT	ICAL RESULTS
NO.	LOCATION	SLOPE	PHYSIOGRAPHY	TYPE	DEPTH	COLOUR	TEXTURE	REMARKS		
(s-1	48+00N 2+ 00 W E		MOWITAINSIDE	G.T.	B HORIZON HOLE 6"	BROWN	FINE- COASSE	SAMPLE FROM CREEK BANK, ALASKITE PEBBLES, NO BLACK SOIL ON SUAFACE. ORGANIC WAS SLIGHT.		
s-3	4+00以E 48+00N	-	MOUNTAINSIDE	G.T.	B HORIZON HOLE 6"	BROWN	FINE - CORESE	SANDY SOIL. 2-3" BLACK SOIL. AREA FLAT. ORGANIC WAS VERY SLIGHT.		
s - 4	48+∞N 6+∞€E	1	MOUNTAINSIDE	G.T.	8 HORIZANI HOLE 5"	BROWN	FINE - COARSE	ABOUT 3" OF BLACK SOIL. SOIL IS FULL OF AEBBLES. ORGANIC WAS SLIGHT.		
-5	8+00₩E		MOUNTAINSIDE	G.T.	A-B HORIZON HOLE 5"	BLACK- BROWN	FINE - COARSE	ABOUT S" OF BLACK SOIL. SAMPLE FROM SLIGHT OIP. NOT A DRY CREEK. ORGANIC WAS VERY SLIGHT.		
s-6	48+00N 10+00UE	~	MOUNTAINSIDE	G.T.	HOLE 8-9"	BLACK	FINE - COARSE	BLACK ROCKY SOIL. ORGANIC WAS SLIGHT.		
_{ip} -7	48+00N 10+00E	1	MOUNTAINSIDE	G.τ.		Buchskin- Black	FINE	SEEP SAMPLE. SOIL WAS CLAYEY. LIGHT COLOR ON TOP, ORGANIC WAS VERY SLIGHT,		
²⁶ -8	44+ 00 N 10+ 00 E	/	MOUNTAINSIDE	G.T.		TAN	FINE- MEDIUM.	SEEP SAMPLE. TAKEN MAINLY NEAR TO SURFACE. ORGANIC WAS VERY SLIGHT.		
s-9	10+00 # E	~	MOUNTAINSIDE	G.T.	HOLE II"	DARK Brown	FINE- COARSE	ROCKY SOIL. SOIL STILL BARK COLOR AT 12". ORGANIC WAS SLIGHT.		
5-10	8+00 mm r 44+00 m	-	MOUNTAINSIDE	G π.	B HORIZON HOLG 8"	DARK BROWN	FINE - COARSE	NO DESTINCTIVE BLACK SOIL LAYER. ORGANIC WAS SLIGHT.		
Sp-1]	44+00 N	/	MOWITAINSIDE	G.T.		TAN	FINE- COARSE	SEEP SAMPLE. ORGANIC WAS VERY SLIGHT.		
5-12	44+00N 6+00間E	/	MOUNTAINSDE	G.T.	HOLE S"	BROWN- BLACK	FINE - COARSE	VERY THIN LAYER OF BLACK SOIL ON TOP. 3" OF BROWN SOIL THEN BLACK AGAIN. COULD BE AN OLD SEEP,		
s - 13	44+00N 4+00E)E	-	MOUNTAINSIDE	G.T.	HOLE 5"	BROWN	FINE- COARSE	on 'flats' beside cabek. Organic was slight,		
's-15	44+00N 2+00@E	>	MOUNTAINSIDE	G.T.	8 HORIZON HOLE 7"	BROWN	FINE- COARSE	VERY THIN BLACK SOIL. ROCK LINDERNIGHTH. ORGANIC WAS SLIGHT.		
(s-16	44+00N 2+00W		MOUNTAINSIDE	GT.	8 HORIZON	BROWN	FINE - COARSE	I" LAYER OF BLACK SOIL. OAGANIC WAS SLIGHT.		
(s-17	14+00M 14+00M	-	MOUNTAINSIDE	G.T.		very light tan.	FINE- MEDIUM.	SAMPLE FROM PILE OF VERY LIGHT TAN SOIL (3'x2'). ORGANIC WAS YERY SLIGHT.		

GEOCHEMICAL SOIL SURVEY DATA

AREA: BOWDER CREEK ATUN M.D.

DATE:	JULY 21, 19	770		PR	OJECT:		LOCATION REF.:					
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANAL	YTICAL F	RESULTS	
×s-18	H4+ 00N	->	MOUNTAINSIDE	G.T.	6 HORIZON HOLE 7"	DARK Brown	FINE- MEDIUM	THIN LAYER OF BLACK SOIL. ORGANIC WAS SLIGHT.				
X _s -19	44+00N 8+00W	->	MOWTAINSIDE	G.T.	B HORIZONI HOLE 13"	BROWN	MEDIUM = COARSE.	SOIL CONSISTS OF GRAVEL. ORGANIC WAS SLIGHT.				
X3 • 20	10+00N	->	MOUNTAINSIDE	G.T.	6 HORIZON HOLE 7"	Beown	FINE- COARSE	2-3" BLACK SOIL. ORGANIC WAS SLIGHT.				,
X6-51	10+00W		MOUNTAINSIDE	G.T.	40LE 5"	BROWN	rine -	BALD SPOT, LOOKS AS IF SOIL HAS SECRED OUT OF MOUNTAIN, ORGANIC WAS VERY SLIGHT.				
XR-22	48+00N		MOWITAINSIDE	GT.	HoLE 6"	BROWN	FINE- COARSE	AT TOP OF DRY CREEK WHERE WATER MUST HAVE SEEPED OUT. ORGANIC WAS SLIGHT.				
Xs-23	48+∞N 8+00W	>	MOUNTAINSIDE	TALLIS	HOLE 4"	BROWN	FINE- COARSE	ALL AREA IS QUITE BARE. SOIL IS FULL OF PEBBLES. ORGANIC WAS VERY SUGHT.				
¥s - 24	48+00N	a	r		.•	•	,,	٠,				
X5-52	48+00N		MOUNTAINSIDE	Talus BH.	HOLE 5"	BROWN	FINE- COARSE	VERY SANDY SOIL. STRUCTED AT BASE OF SNOW PATCH, SOME SEEPAGE, ORGANIC WAS SUGHT.				
XR-26	2+00W	>	MOUNTAINSIDE	Gπ.	HOL€ 7"	BROWN	FINE- COARSE	SAMPLE FROM RILL MANY ALASKITE FRAGMOSTS. ORGANIC WAS VERY SLIGHT.				
Xs-27	5+00M 48+00N		MOUNTAINSIDE	Gπ.	Hole 7"	BROWN	FINE- COARSE	SAMPLE JUST OFF TO SIDE OF RILL. DREGALIC WAS SLIGHT.				
X5~58	40+00N 2+00E		MOUNTAINSIDE	G.T.	B HORIZON HOLEG"	BROWN	FINE - MEDIUM	2-3" BLACK SOIL. ORGANIC WAS SLIGHT.				
X80 - 29	39+00N 3+00E		MOUNTAINSIDE	G.T.		BROWN	ane- Coarse	ALASKITE ASBBLES IN SOIL. ORGANIC WAS SLIGHT.				
×s-30	4000A	-	MOWTAINSIDE	GA.	B HORIZON HOLE 6"	BROWN	FINE -coarse	ALASKITE PEBBLES IN SOIL. 2-3" BLACK SOIL. ORGANIC WAS SLIGHT.				
X _s -31	40+00N 6+00E	~	MOUNTAIN SIDE	G.T.	B HORIZON HOLE 5"	BROWN	FINE- COARSE	PLACK SOIL.				
× ₅₀ -32	38+00~ 7+00E	-	MOWITAINSIDE	G.T.	HOLE 6-7"	BROWN	FINE - COARSE	2-3" MOSS AND BLACK SOIL. ORGANIC WAS SLIGHT.				

COLLECTOR: P. NICHOLSON

	OR: P NIC							LOCATION DEF					<u> </u>
DATE:	Jux 23,19	ام7.		PR	ROJECT:			LOCATION REF.,					_
AMPLE NO.	LOCATION	DRAINAGE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS		ANALY	TICAL R	ESULTS	
<≤-33	40+00N 8+00E		MOUNTAINSIDE	G.T.	8 HORIZON HOLE 7"	BROWN	FINE-	2-3" BLACK SOIL. ORGANIC WAS VERY SLIGHT.					
Ks-34	40+00N 10+00E	√ .	MOUNTAINSIDE	G.T.	B HORIZON	BROWN	FINE- MEDILM	NO BLACK SOIL, JUST DARK BRAWN, ORGANIC WAS MODERATE.				-	
X _A -35	40+00N 10+00E	~	MOUNTAINSIDE	6.T.	HOLE 8-9"	BROWN	FINE- COARSE	VERY CARSE SOIL. ORGANIC WAS SLIGHT.					
×s-36	36100N		MOUNTAINSIDE	G.T.	HOLE 7"	DARK Grey	FILLE- COARSE	2" BLACK SOIL, I" BROWN, THEN GREY SOIL. DREGNIC WAS SLIGHT-MODERATE		-			
⟨ _{Sp} -37	57+00N 10+00E		MOWTAINSIDE	G.T.	HOLE 6"	GREY- BROWN	FINE- COARSE	FROM HEAD OF SEEP, 2" MOSS AND BLACK EARTH. ORGANIC WAS SLIGHT.					
×5-38	34+∞N 8+∞E	-	MOUNTAINSIDE	G.T.	Hore C.	Dark Grey	FINE-	3" BLACK SOL, 2-3" DARK GREY THEN PEBBLES. LOOKS LIKE OLD SEEP, ORGANIC WAS SLIGHT.					
×sp-39	36+00N 8+00E	/	MOUNTAINSIDE	Gπ.	HOLE 6"	BROWN	FINE- COARSE	FROM HEAD OF SEEP. I" BLACK Soil- OAGANIC WAS SLIGHT.					
Х _S -40	36+00N -	>	v	G.T.	HOLE 4"	Brown	FINE- MEDIUM	VERY LITTLE BLACK SOIL. ORGANIC WAS VERY SLIGHT.					
K ₅₀ -41	38+00N 5+00€		44	G.T.	HOLE 4"	BROWN	FINE- COARSE	CREANIC WAS JERY SLIGHT.	,				
X5-42	36+∞N 4+∞E	->	18 .	G.т.		врешч	FINE- MEDIUM	FROM PILE OUT OF GOPHER HOLE. ORGANIC WAS VERY SUIGHT.					
' _{SP} -43	36+00N 3+00E	->	u	G.T.		GREY	FINE	SAMPLE OF VERY FINE SEDIMENT FROM STREAM OF SEEP. ORGANIC WAS VERY SLIGHT.					
(s-44	36+∞N 2+00€	>	44	Gл.	HOLE 7"	BROWN	FINE-	SAMPLE FROM AREA AMONIST SEEPS, AREA IS DRY BUT COULD PROBABLY BE CONSIDERED A SEEP.					
K ₅₀ -45	36+00N 1+00W		ч .	G.T.	HOLE 6"	BROWN	FINE- COARSE	FROM HEAD OF SMALL SEEP. ORGANIC WAS SUGHT.					
KS-46	36+00N 2+00W	->		G.T.	HOLE 4"	BROWN	FINE -	VERY LITTLE BLACK SOIL . ORGANIC WAS SLIGHT.					
(sp-47	1700N W00+5	->	41	Gπ.	HOLE 5"	Beawal	FINE - CHASE	AT HEAD OF FAST FLOWING SEEP. ORGANIC WAS VERY SLIGHT.					

COLLECT	OK: WILL F.	MICHOLSE	<u> </u>	SOUCHE CORE ALEN MID. 18.C.									
DATE:	JW-Y 23	1970		PF	ROJECT:			LOCATION REF.:					
AMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALY	YTICAL R	ESULTS		
(_s -48	36+00N 4+00W	>	MOUNTAINSIDE	GT.	HOLE 8"	BROWN	FINE- COARSE	DARK BROWN SOIL WITH PEBBLES. ORGANIC WAS SLIGHT.					
5-49	36+00N 6+00W		n	G.T.	HOLE 8"	DARK BROWN	FINE- COARSE	4-5" OF BLACK SOIL THEN SANDIER SOIL ORGANIC WAS SLIGHT.					
(s-50	36+∞N 8+∞W		ч	G.T.	BHORIZON HOLE 7"	BROWN	FINE- MEDIUM	3" OF BLACK SOIL. DRIGHNIC WAS SLIGHT.				,	
ζ _s -51	¥6+00 W W 00+01		u	G.T.	B HORIZON	BROWN	FINE-	3-4" OF BLACK SOIL. ORGANIC WAS SLIGHT.					
(s-52	40+00 N 2+00 W	>	es .	G.T.	HOLE 7"	BROWN	FINE- COARSE	Brown Rebbley Soil. Organic was slight.					
√s-53	4000M	>	16	G.T.	HOLE 4"	RED BASWA	FINE- MEDIUM	SAMPLES FROM 3 PILES OF BARE SOIL. ORGANIC WAS SLIGHT.					
X _{5P} -54	4000N 600W	>	.,	G.T.	HOLE 5"	BROWN	FINE- MEDIUM	FROM HEAD OF SEEP. ORGANIC WAS VERY SLIGHT.					
Xs-55	40+00W		te .	G.T.	HOLE 7"	BROWN	FINE- COARSE	ספפאטוכ שאפ בנופעד.					
X _{Sp} -56	38+00N 7+00W		. 40	GT.	H01€ 6"	Brown	FINE- COARSE	SAMPLE FROM HEAD OF SEEP. ORGANIC WAS SLIGHT.					
Xs-57	40+00N W00+8		lı	6.T.	B HORIZON HOLE 5"	BROWN	FINE-	2" OF BLACK SOIL. ORGANIC WAS SLIGHT.					
<i>V</i> ₅∵58	40+00N	->	10	G.T.	B HORIZON HOLE IZ"	BROWN	FINE- COARSE	3-4" BLACK SOIL. HOLE 12" AS SOIL WAS ROCKY. ORGANIC WAS SLIGHT					
Xs-59	32+00N 10+00W		46	G.T.	HOLE 4"	BLACK- BROWN.	FINC- MEDIUM	1° BLACK SOIL, 2° BROWN THEN BLACK BROWN. ORGANIC WAS SLIGHT.					
х _ў -ю	32+00N	†	4	G.T.	HOLE 10"	BROWN	FINE- COARSE	FROM RILL. ORGANIC WAS SLIGHT.			·		
Xs-61	32+00N	-	** .	G.T.	B HORIZON HOLE 7"	BROWN	FINE-,	3" BLACK SOIL. ORGANIC WAS SLIGHT					
× 5-62	32+00N 6+00W	→	to .	G.T.	8 HORIZON HOLE 6"	BROWN	FINE- MEDIUM	I" BLACK SOIL. ORGANIC WAS SLIGHT.					

COLLECT	OR: MR.P. N	SICHOLSON		AREA: BOULDER CREEK, ATUN M.D. BC.									
DATE:	JULY 27	1970	. ;	PR	ROJECT:		·····	LOCATION REF.:					
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANA	LYTICAL R	ESULTS		
Xs-63	32+00N 4+00W	7	Mountainside	G.T.	B HORIZON HOLE 7"	BROWN	FINE- MEDIUM	3-4" BLACK SOIL. NO B.B. IN AREA, ONLY ALPINE GRASS. ORGANIC WAS SLIGHT.					
Xs-64	32+00N 2+00W	-	ęa	G.T.	& HORIZON HOLE 6"	Brown	FINE- MEDIUM	2" BLACK SOIL. NO 8.8. ORGANIC WAS SLIGHT.					
X _{Sp} -45	34+00N 2+00W	-	и	G.T.		Brown-	FINE- MEDIUM	FROM HEAD OF SEEP. ORGANIC WAS VERY SLIGHT.				,	
Xs-66	32+00N	-	u	G.T.	B HORIZON	врын	FINE-	3-4" BLACK SOIL. NO B.B. OREANIC WAS SLIGHT.					
Xs-67	32+00N 4+00E	->	u	G.T.	B HORIZON HOLE 5"	Brown	FINE- MEDIUM	I" BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.					
X5-63	32+00N 6+00E		tt	6.т.	HOLE 7"	BROWN	FINE- MEDIUM	NO BLACK SOIL ORGANIC WAS SLIGHT.					
P3-a2X	31+00N 6+00E	-	u	G.T.		BROWN	FINE- COARSE	FROM HEAD OF SEEP. ORGANIC WAS SLIGHT.					
Xs-71	32+00N 8+00E	_	(t	G.T.		BROWN	FINE- MEDIUM	FLAT AREA NEXT TO SEEP. COULD BE AN OLD SEEP. OREANIC WAS SLIGHT.				 	
Xs-72	32+00N 10+00E	-	æ.	G.T.	B HORIZON HOLE 7"	DARK Brown	FINE- MEDILLM	2-3" BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.					
Xs-73	28+00N	-	4	G.T.	B HORIZON HOLE 7"	BROWN	FINE- MEDIUM	VERY THIN LAYER OF BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.					
X=-74	28+00N 8+00E	←	ч	G.T.	B HORIZON HOLE 7"	BROWN	FINE- Medium	2-3" BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.					
		·								·			
	,												

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: CLIVE ASPINALL

AREA BOOLDER CREEK, ATLIN, M.D.

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DATE:	23-7-70			PRO	DJECT: 60			LOCATION REF. SURPRI	ide La	KE 13	2/1W11/WHC
AMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS .	ANAL	YTICAL R	ESULTS
5-76	24+00 N 8+00W	-	MOUNTAINOUS	TALUSFING AN AGLACIA	ES ALR	BROWN	MAINLY FINE, SOME COARSE	SOIL SHOWS NO DISTINCTIVE HORIZONS. ALASKITE FRACHENTSINTAY	S		
15-77	24+00N 10+00W	-	w 11		5c 10	to 64	••				
.´s- 78	20+00H	->	5 , 11	u 11		n,		ALASKITE BOULPERS AND OUTCEOPNEAR SAMPLES TE FRYMM STAINING.			
,5-79	20+00N	**			ot 11	ts •1		No Pistinctive Horizousin SOIL. ALABKITEFEAQ IN TALUS			
5-80	400+02 400+3		0	n "	11, 14	4 61	90 40				
·s-81	24+00 N 6+00W	>>	11			. "	14 19	TALUS MIKEP IN SOIL, MOKE CONC: BELOW 6". SOME OKY: MATERIAL.			
ir-82	SAMPLE TAKE NEAR ABOVE SITE.	->	ц и	Rill SAMPLE	Surface	THP THM		SAMPLE TA KEN FROMORY RILL.			
5-83	100+42 100+4	**	., ,	TALUS FINES+ GLACIAL TILL	A-8 4"-6"	BROWN	" "	SOIL HORIZON EXMEITS PISTINCTIVE HUMUS HORIZ - 2" THICK.			
<u>is-84</u>	24+00N 2 +00W	->	31				1.				
·s-85	BASELINE Z4+00N	→	n 12	MAINLY GLACIAL TILL.	n *	BROWH	FINE	SOL CONTRINSVERY LITTLE TALUS FERG: SOMEORY: MATERIAL,			
·s-86	Baseline 22400 N		u g	\$6 80	\$1 L0	u 11	11 60	SOIL HOR'Z OHR HOT PIETINCTWE. SOME TRUB ALASKITE MIKED IN EDIL.			
(s-87	892571NE 20 400 N	->	Na 60 .	GLACIAL TILLAMP TALUS,	,, i,	" "	FINE _ COAKSE	A'HORIZOM SHOWS APISTIM CTIVE HOMOS ZOME S'' THICK.			
88-2	20400N 2400W	-	y. to	ų 1•	" "		10	PISTINCTIVE HUMUS ZONE Z" THICK. THLUS MIXED WITH SOIL			
(s-89	20400H	**	11 H		16 16 ·	u 4	w 16	NO DISTINCTIVE HORIZONS. SOMEDED! IN SAMPLE.			
	20 +004	*	n		11		n 11	SAMPLE TAKEN ON SMALL TE CRACE. BOULDERS AND ROCKS			
ACP 5343	2-100E	•						BELOW 6" PEPTH.			

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: CliVE ASPINANT

AREA. Boulder Creek ATLIN M.T. LOCATION REF. SURPRISE LAKE 1044/1161/2 PROJECT: 23-7-70,27-7-70 ANALYTICAL RESULTS SOIL HORIZON SAMPLE DRAINAGE **PHYSIOGRAPHY** COLOUR **TEXTURE** REMARKS LOCATION & TYPE NO. SLOPE DEPTH SAMPLE TAKEN FROM 18+00N SEEP Light FINE -ACTIVE SPRING SEEP SURFACE TAN - BROWN COARSE SAMPLE MOUNTAINOUS 2400 E (sh-91 GLACIAL TILL WITH SAMPLE TAKENFROM 20 toon FINE BROWN 7 GOPHERHOLE FILL. .5-92 4400E TALUS SAMPLE TAKEN FROM CLACIAITIII BROWN FINE-20+00H A-B PRRIMAGE COURSE BUT 4930 000D CORCLE LiG 47 TAM (5-94 6+00E 4"-6" MOT PISTINGVISHABLE RILL TALUS. SAMPLE WITH TALUS. GLACIAL A - B 20+00N BROWN TILL WITH TOLUS CONGISTE OF 4"-6° (5-95 3000E TALUS ALASKITE FERGMENTS A HORIZ HAS PISTINGUIS 20+00N ASLE HOMUS ZONE (5-96 10 +00E I" THICK SAMPLE TAKENFROM 24+00N

(s-97 10460E NOTSURE WHAT HORIZ. NO DEFINITE HOEIZ 24+00H A-B (5-98 4"-6" 308+ T 24+00H ٠. 10 6 400E (5-100 24+00N

GOPHER HOLE FILL, AND

X5-101 4 400E 24 400N u X3-102 44 .. . 2+00E 16400H * •• •• •• ٠,

2

.

(5-103 NO PERINITE HORIZ: 18+00H BELOW 6" BOULDERS .. . (5-104 FRA & ME NTS NO PEFINITE SOIL

16+00H (s-105 HORIZ: 2+00 W * 16+00N NO DEFINITE SOIL

. •• ٠, ٠, HORIZ: SCATTEREP s-106 4 + 00W ECRATICS OF ALASKITE NO SOIL HORIZONS. 16+00N, . SAMPLE TRYEN BETWEEN 3 BOULDERS OF ALASKITE (5-107 6+00W

ACP 5343

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: CLIVE ASPINALL

AREA, BOULDER CREEK, ATLIN M. P.

ATE: 27-7-70 PROJECT: 60

LOCATION REF. SURPRISE LAKE 104H IIW 12

DATE:	X1-1-10)		PROJECT: 60				LOCATION REF.: SURPRISE LAKE IOUN IIW		
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYT	ICAL RESULTS
X=-108	16+00N W08+5	>>	Mountainous	CILACIAL TILLAUP TALUS.	Ś	BROWN	FINE - CORRSE	SAMPLE TAKEN FROM SMALL TERRACE + GOPHERHOLE FILL.		
Xs-109	16+00N 10+20W		ys 80		A-B 5"-6"			SLOPE OF HILL = Z5.º NO PIETIN CTNE SOIL HORIZ		
Xs-110		→	b w	ts "		Brown.		SOME ORG MATTER. NO TEFINITE SOIL HORIZ		
X5-111	12400N 8+00W	<i>*</i>	41	10 9	n 11	10 39	••			
X5112	12+00N 6+20N	<i>^</i>			-?-	BEOWN	u	14. 44		
X5P-113	12+00H 5+90W	1	n 0	タモモ で	GURFACE		ba .	SEEP ZAMPLE. ACTIVE 20STEP TALOS FRAG. OR 9: MAMER		
Xzii4	12+00N 4+00W	1	11, 4	GLACIAL Till	9-B 4"-6"	CHOCAL ATE BROWN	FINE- COAKSE	HORIZ:		
X=-115	12+00H 2+00W	1	n "			••				
X5-116	12+00N	1		•		ZURTED BROWNTO CHOCALAT	5	CHOCIBEOWN CHOCIBEOWN CHOCIBEOWN EVETER BROWN		
Xs-117	14+00N	**	1 0	CLACIAL TILL AND TALUS		•	•	NO PERIMITE SOIL HORIZ: SOIL COLOUES HIXED. SOME ORG: MATTER		
Xs-118	16+00H	~>	N N	. ~	• •		•			
X5-120			я			choc: Beow Light Brow	H K "	CIGHT 3 ROWH } 6"		
X5-121	6400E		н н	11 11	., ,,	PARKBR LIGHT BR		TWO PISTIMETINE SOIL COLOUCE.		
X5-122			a . "	,, .(u vi	W 11	. 14	PACKER WITH ORG MATTER	}6	
X5-123	U 1001	_	n "	11	, 4		to	n h n		

GEOCHEMICAL SOIL SURVEY DATA

AREA. Boulder CREEK, ATLIN M.T.

DATE:	27-7-	70,2	8-7-70	PROJECT: 60				LOCATION REF. SURPRISE LAKE LOYN /11W/2		
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS _	ANALYTICAL RESULTS	
Xs-124	12+00 N 10+00 E		Mountaino	GLACIAN S OTILNY TALVS	H,-P., 4-8	Light Brown Soil	FINE	HLEINE GEBSSMAT LIGHTSEOWN SOIL WITH S TALUS	G.	
Xs-125	12+00 H	2	n n	30 00	6"-8"	ParkBro WN Soil	PINE,	BLEINE GEURE HAT S DAEKTEONN ZOIL SOKKY FRO GENER BLEINE GENER HAT BERTHAM		
(s-126	12+00N 6+00E		15 14	11 14	9-B 4-6	BROWNSOIL LightBROW	,	SAMPLE CONSITED OF LIGHTBROWN SOIL		
X5-127	12+00N 4+40E		u n	ty 11	A-B 4"-6"	FOMM COPO POMM COPO	: Deep Fine	NO JULINGUISHABLE 9-8- C- HORIZON.		
X5-129	12+00 N	1	" "	,	t) 11	PARK BROWN G.T. WITH LIGHTIAN TALUS	FINE	No Pistinguismable A+B HORIZON.		
(s -130	10-400H	->>	i, a		n ,,			Not MUCH +alus FRAG: IN SAMPLE.		
X5-131	84001	*	к и	GLACIAL TILL	15 10	BROWN	~ ~	BEOMMEDIE SECRETATION LIBIT		
X=-132	8+00N 2+00W	<u></u>	4 11	\$0 st	, <u>'</u> ''	••	•	BELOWY BOULPERS ARE CONC: NOT POSSIBLE TOTAKE SAMPLE.		
X5-133	8+00H		я п	я 11	A-B 6"	**	a 4	RELOW 6" ROULPERS ARE CONC:		
X5-13/4	6 400H	<u></u>	10 15	6 6 / / / / / / / / / / / / / / / / / /	A-B 6"	**		P. BEOWNEOIT P. BEOWNEOIT VEG! WAL		
X = 135	400+8 WOO+8	~~	31 41	LIGHTBROWN GLACIALTIII WITH ALASKII ERAG	A-B 66"		COARSE	HORIZ		
X5-136	M00+01	>>>	n, Es	41-1-4 41-1-4 78-102	6"	., ,	w . w			
Ks-137	H00401		u Vi			BEOW H	· · ·	n		
X5-138	400+B	*	" "	.,	·	Beown	n . N	• •		
Xs-139	6+00W H+00K		" "	11 11	, "	• •	n n	MUCH ORG: MATERIAL IN SAMPLE		

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: Clive Ashinall

DATE: 27-7-70, 28-7-70

PROJECT:

AREA, BOULDEV Creek ATLINM.V.

LOCATION REF.: SURPRISE LAKE 104N/11W/2

SAMPLE	I IOCATION PHYSI			SOIL	HORIZON	COLOUR	TEVTUDE	ECCATION REF. O OR VICE	ANALYTICAL RESULTS			
NO.	LOCATION	SLOPE	PHYSIOGRAPHY	TYPE	DEPTH	COLOUR	TEXTURE	REMARKS				
(5-140	1400M 1400N	-	Мосытатнос	GLACIAL TILL+ TALUS	A-B	BROWN	FINE COARSE	VEC!MAT BE:2011+20015 BEOWNSOIL				
(s-141	4+00 N 2+00 W	→	и и	u	•	•		SAMPLE TAKEN INTHICKWILLOW REEM.				
(5/142	400H	->	n N	SAUF (SEEP)	SURFACE	Light Brown	Fine	FINE GRAINEP TO HEP GRAINEP SAMP TALASKITE FRAG.				
15-143	H+00N	→	u u	glacial Till	A-B 6"	Beown		TO POLINIVE DOIL HORIZ: TAKENAEAR SEEP				
15-144	H00H	→	n u	и 11	B. Höriz			SAMPLE TAKEN PREK BEOWN ZONEW				
(s-14b	8+00H 4+00E	~	w u	Mainly TALUS	H-6"	TANG	COARSE	CORESE GRAINED ALBAKITE TRIVS				
(2-147	8400N	2	ц	9 LACIAL TILL+ TALUS	4-15	Beown	FINE -	NO Pistinguishing FENTURES BETWEEN AHD HORIZ		/		
(5-148	9400H 300+8		n 4	,, ,	n n	*		-				
(5-149	10+00E		w w	- "	•	•	-	Novegetation mat				
(s-150	10+00H 14+00H	~	~ v	w w	. •	u	CORES	3846 FOIC				
(5-151	400+4 ∃00+8		34 13	w •	h n	PROWN	FINE.	SAMPLE TAKEN FROM LIGHTBROWN FOIL UNDER DARKBROWN SOIL				
(5-152	H+00N 6+00F		u u	u n	~ ~	u	COUSE	HORIZOHS				
X5-153	H 400E H 400N	~	n n	p 11	n n	11 %	·· ,					
Xs-154	4+00H 2+00E	<	u u	n u	ti U	fr so		to to		·		
(s-155	2+00N	->>	ii ii	n u	u u	et et	u u	is te				

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: Clive	4 spingl
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AREA. Boulder Creek, ATLIN M. 17.

DATE:	DATE: 29-7-70				OJECT: (0		LOCATION REF. SURPRISE LAKE IOUN IIWIL					
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANA	LYTICAL RESULT	s		
X=-15b	0+00 0+00		MOUNTAINOUS	GLACIAL TILL WITH TOLUS	6"	LLCHT BROWN	COUSSE	SAMPLETA KEN EROM LIGHTZROWN SOIL					
X5-157	8400E 0400				- 0	٠.,	•						
X5-158	0+00E 0+00			•		w , 11		•			,		
Xs-159	0 +00 300+µ		5 1	*	" "	a u	.						
X5-160	0+00 2+00E			u u	w "	v #		. 4					
X5-162	0+00	*	,	Clyciar ting t tarus	7	w	n "	SAMPLE TAKEN FROM GOPHER HOLE THE FILL					
Xs-163	2+00W			•	A - B	n 4		MODISTINCTIVE SOIL HORIZ					
Xs-164	00+0 W60+V		*	u n	•								
Xs-165	6+00 W 0+00	1	ų v	4 W		n h		м ч					
Xs-166	1+00M 0+00		n n		w	• •	, .	n 4					
Xs-167	8+00M 0+00					•		~ ~					
X2-168	00+00 W 00+01				~	u a							
				·									
			-										

GEOCHEMICAL SOIL SURVEY DATA

DATE:	TWY 28,			PR	OJECT:			LOCATION REF.:	TEIN PUB.	
AMPLE NO.	MPLE LOCATION DRA		PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS	ANALYTICA	AL RESULTS
(-171	28+00N 6+00E		MOUNTAINSIDE	G.T.	House 8"	Beown	FINE-	NO BLACK SOIL, ORGANIC OLLITE CONSIDERABLE.		
(s-172	28+00N 4+00E	->	a	G.T.	HOLE 7"	BROWN	FINE- MEDIUM	NO BLACK SOIL. NOB.B. JUST ALPINE GRASS. ORGANIC WAS SLIGHT.		
(₅ .173	28+00N 2+00E		11	6 .т.	HOLE 6"	BROWN	FINE- MEDIUM	NO BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.		
(s-174	28+00N 2+00W		E _e	G.T.	HOLE 7º	BLACK- BROWN	FINE- MEDIUM	2" BLACKISH BROWN SOIL, THEN 2" BROWN, THEN SOFT BLACK ORGANIC WAS SLIGHT,		
(s-175	28+00N 4+00W	-	4	G.T.	HOLE 5"	BROWN	FINE- MEDIUM	VERY THIN LAYER OF BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.		
(s-176	28+00N 6+00W	-	Se .	G.T.	Hace 5-6"	BROWN	FINE- MEDIUM	VERY THIN LAYER OF BLACK SOIL. NO B.B. ORGANIC WAS SLIGHT.		· ·
<s-177< td=""><td>28+00N 8+00W</td><td>_</td><td>t_e</td><td>G.T.</td><td>HOLE 78"</td><td>BROWN</td><td>FINE-</td><td>NO BLACK SOIL. NO 8.8. ORGANIC WAS SLIGHT.</td><td></td><td></td></s-177<>	28+00N 8+00W	_	t _e	G.T.	HOLE 78"	BROWN	FINE-	NO BLACK SOIL. NO 8.8. ORGANIC WAS SLIGHT.		
(j-178	28+00N 10+00W	->	ta .	G.T.	HOLE 6"	BROWN	FINE -	I" BLACK SOIL. NO. B.B. ORGANIC WAS SLIGHT.		
× _R -179	30+00N 9+00W	->-	. 41	G.T.	HOLE 6"	Beow	FINE- COARSE	FRAM RILL. ORGANIC WAS SLIGHT.		
(s-180	50+∞N &		as .	G.T.	HOLE 6"	DARK Brown	FINE- MEDIUM	NO BLACK SOIL. ORGANIC WAS SLIGHT.		
X5-181	48+00N	>	ч	G.T.	Hove c"	BROWN	FINE- MEDIUM	VERY THIN LAYER OF BLACK SOIL. ORGANIC WAS SLIGHT.		
K5-182	46+00N	->	11	G.T.	HOLES"	BROWN	FINE- COARSE	WERY THIN LAYER OF BLACK SOIL. ORGANIC WAS SLIGHT.		
Xs-183	#4+ 00N			G.T.	HOLE 7"	BROWN	FINE- MEDIUM	DEGAMIC WAS SLIGHT.		
xs-184	42+00N			G.T.	HOLE 6"	GREY- BUKKSKIN	FING- MEDIUM	2-3" BLACK SOIL THEN GREY- BUCKSKIN. PROBABLY OLD SEEP. ORGANIC WAS SLIGHT.		
Ks-185	40+00N		и	G.T.	HOLE 6"	BROWN	FINE- MEDIUM	NO BLACK SOIL. ORGANIC WAS SLIGHT.		

ACP 5343

COLLECT	OR: MR. P.	MICHOUSE	<u>N</u>			AREA: BOWDER CREEK, ATLIN M.D., B.C.								
DATE:	JULY 28	, 1970		PR	OJECT:	ECOLOUR TEXTURE REMARKS FINE- BROWN COARSE ORGANIC WAS SLIGHT. FINE- BROWN MEDIUM ORGANIC WAS SLIGHT. BROWN COARSE ORGANIC WAS SLIGHT. BROWN MEDIUM ORGANIC WAS LERY SUGHT. BROWN FINE- BROWN ORGANIC WAS SLIGHT. BROWN COARSE ORGANIC WAS SLIGHT.						·		
SAMPLE NO.	LOCATION	DRAINAGE SLOPE	PHYSIOGRAPHY	SOIL TYPE	HORIZON & DEPTH	COLOUR	TEXTURE	REMARKS .		ANALY	TICAL R	ESULTS		
Xs-186	38+00N	->	Mountainside	G.T.	HOLE 67"	BROWN		ALASKITE CHIPS IN SOIL. ORGANIC WAS SLIGHT.						
X5-187	36+00N		ų	G.T.	HOLE 6"	BROWN	1	VERY THIN BLACK SOIL. NO.88. ORGANIC WAS SLIGHT.						
<i>861-2</i> X	34+00N		И	GT.	HOLE 4"	BROWN		BAUD SPOT. ORGANIC WAS VERY SLIGHT.						
Xs-189	32+∞N \$_		14	G.T.	HOLE 54"	BROWN	i							
Xs-190	30+00N &		ч	G.T.	HOLE 6-7°	BROWN	i i			,				
X5-191	28+00N	->	4	G.T.	HOLE 5-6"	BROWN	1							
X5-195	26,00N	>	a	G.T.	Hove 6"	BROWN	-	1						
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		·												
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BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

	MR. P. NICHOLSON					WEATHER FAIR.						
DATE3	WY 21-28,1970.	A R	EA Bow	LOER CREE	<u> </u>	PHYSIO	GRAPHY	MoculTAI	Hous.			
SAMPLE NO.	LOCATION	STREAM SIZE VELOCITY	COLOUR	TEXTURE	REMARKS	_р н Н ₂ О		ANALY	TICAL			
Xca-2	48+00N 2+50 E	APROX. & gai/s. VEL. 4-5 f.p.s.	TAN	Coarse	SOIL WAS COARSE ALASKITE PEBBLES.							
Xca-14	44+00N 4+00E	Appenx. 5 gal/s.	LIGHT TAN	MEDIUM- COARSE	NO FINE SOIL, JUST							
X _{CR} -70	32+00N	Aprox. Ggal/s.	TAN	FINE- COARSE	SOIL VERY COARSE.							
Xcr-75	28+00N 7+00E	APROX 6 gal/s.	TAN	MEDIUM - COARSE	COARSE SOIL, MILKY QUARTZ IN AREA.							
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tali tali ya kata kata kata kata kata kata kata k					·							
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BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL STREAM SEDIMENT SURVEY DATA

COLLECTOR Clive Aspiral PROJECT 60 DATE JULY, 1970 AREA BOULDER CV, ATLIN M. T								WEATHER FAIR							
DATE	1970 , plo I) AF	REA BO	older (Cr. ATLIN	PHYSIC	OGRAPH	<u> </u>	1000	taino	20				
SAMPLE NO.	LOCATION	STREAM SIZE VELOCITY	COLOUR	TEXTURE	REMARKS	_р н н ₂ о			ANALY		·				
XCr-93	20400N	6912/26C	LIGHT	MET-	QTZ FRAG										
XC1-98	24 +00N 7+20E	~			TAKENNEAL BANK										
e11-12X	16+00H 3+BOE				SEPIN OR COARSE										
X C1-128	12 +00H 3+40E	4			w ,										
X Cv - 145	8+00N 2+20E	h			~ .										
X Cr - 161	0+00 1+20E	h			MODYSEDIS ALASKITE										
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