

LOG NO. 0213 RD. 1  
ACTION: Data received report  
back from amendments.  
FILE NO: ASSESSMENT REPORT ON

LOG NO: 1006 RD.  
ACTION:  
FILE NO:

LAKE #2 CLAIM 6288(7)  
FOR FERDINAND SCHMIG

SUB-RECORDER  
RECEIVED  
SEP 20 1988  
M.R. # \_\_\_\_\_ \$ \_\_\_\_\_  
VANCOUVER, B.C.

SKEENA MINING DIVISION

NTS 104B9W, 104B10E

FILMED

LAT. 56°37'N LONG. 130°30'E

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**17,817**

TIM SANDBERG  
COOKE GEOLOGICAL CONSULTANTS LTD.  
SEPTEMBER 10, 1988

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## INTRODUCTION

This report describes work done on the Lake #2 (6288)(7) claim in July of 1988 for assessment purposes by Cooke Geological Consultants Ltd. for Ferdinand Schomig. The work was undertaken by a two man crew that camped on Tom MacKay Lake to complete a regional prospecting, soil and silt program to cover assessment work on several claims in the area.

### Location and Access (Figure #1)

The Lake #2 Claim is located about 80km NNW of Stewart, B.C. and lies due east of Tom MacKay Lake. The claim lies within the Skeena Mining Division and is bisected by map sheets M104B10E and M104B9W (Figure #2). The crew mobilized from Smithers, B.C. using a Cessna 206 aircraft to land them at the Bronson airstrip and then a Hughes 500D from Bronson strip to Tom MacKay Lake, where camp was set-up on the eastern shore, some 700m northwest of the L.C.P.

### Topography and Climate

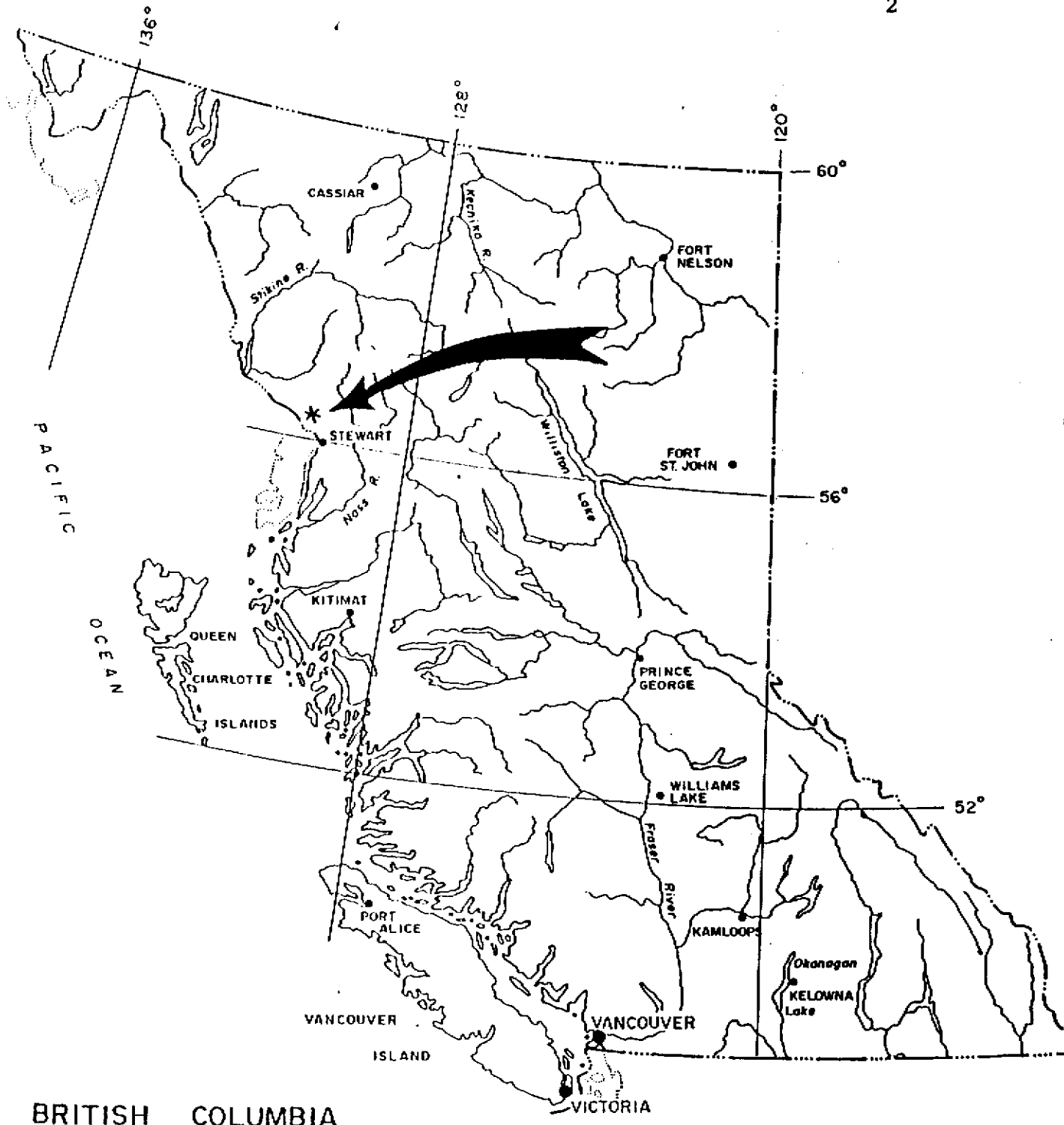
The claims lies on a fairly high alpine plateau ranging from 3,000 to 4,000 feet in elevation. The area is typified by northeast trending hills and valleys with sparse vegetation of mountain hemlock and spruce. Many small ponds and lakes dot the plateau and are fed by large, winter, accumulated snow melts and the rains of the cool wet summers.

### Property Description (Figure #2)

The Lake #2 Claim (6288)(7) was staked by Ferdinand Schomig in July 1987 and recorded on the 20th day of the same month. The L.C.P. was located about midway, on the eastern shore of Tom MacKay lake and encompasses a 16 unit area, 4 units south and 4 units east. Upon acceptance of this work the claim will expire July 20th, 1989.

### History

Although this is the first years assessment on the Lake #2 claim, the area has a long history of mining activity. The claim lies about 2 km west of the Tok-Kay claims presently owned by Consolidated Stikine Silver and Calpine Resources. These, two-post claims have been active since 1932 when Tom MacKay discovered a large, low grade, gold-bearing, northeast trending structure containing high grade shoots of gold-silver-lead-zinc and copper.



### BRITISH COLUMBIA

Scale 1:7,500,000 approx.

LAKE # 2 CLAIM.		
<b>GENERAL LOCATION</b>		
SKEENA M.D., B.C.		SOUTH UNUK RIVER
COOKE GEOLOGICAL CONSULTANTS LTD.		
Scale see above	Drawn by	Figure
N.T.S. 104 B/9W	Date July 1988	1

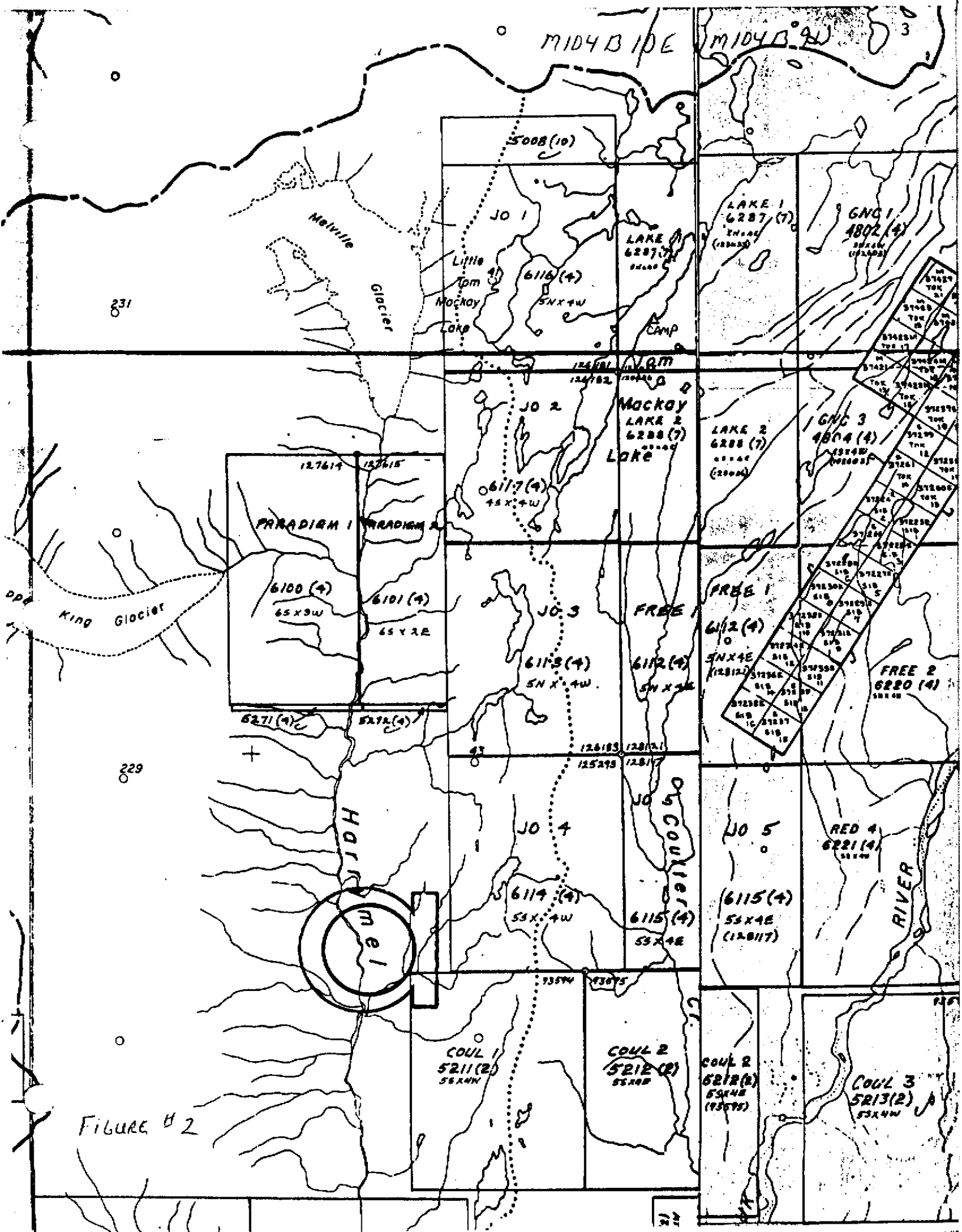


FIGURE # 2

## GEOLOGY

### Regional

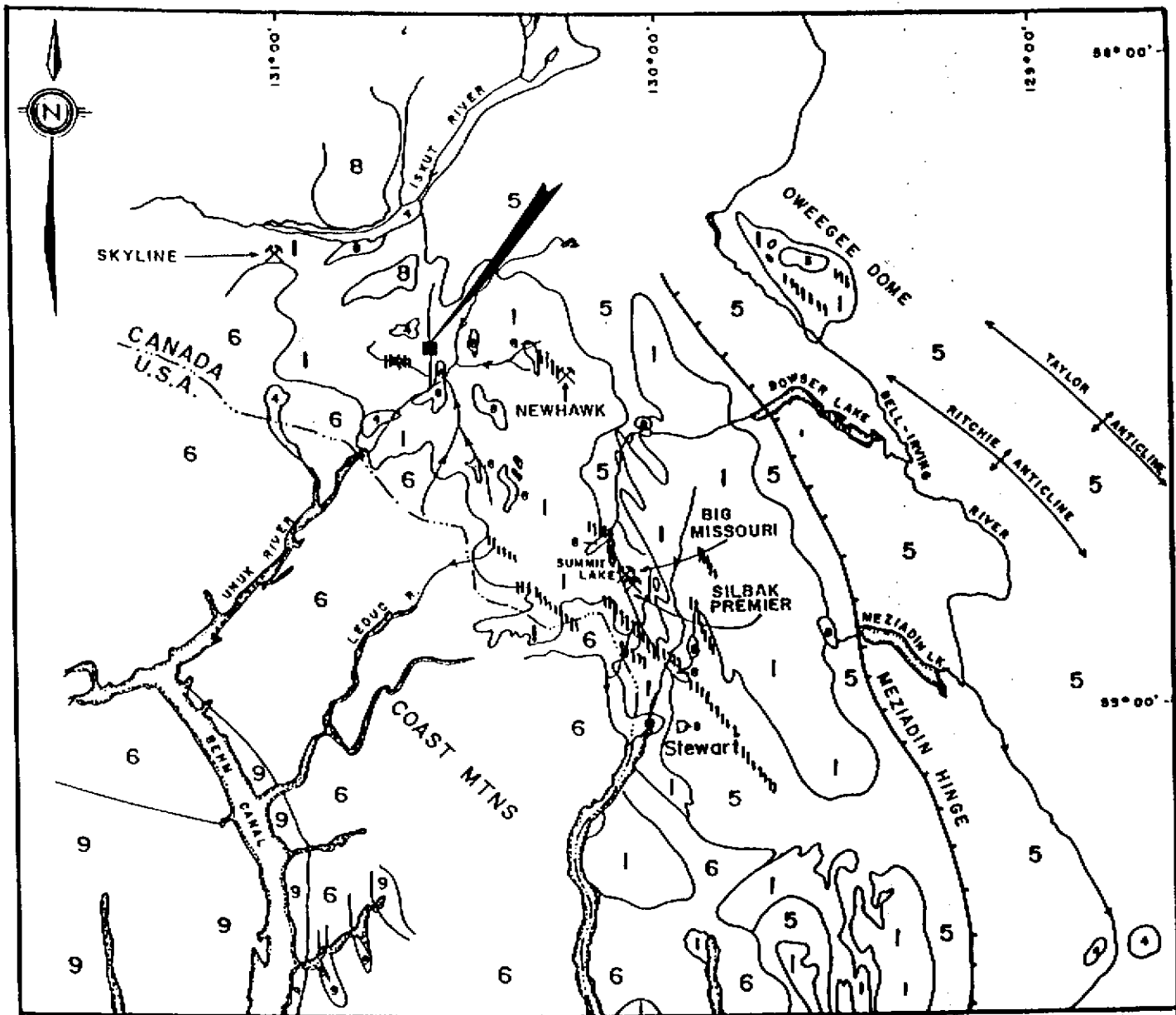
The Stewart gold-silver mining district lies at the western margin of the Intermontaine Belt of volcanic and sedimentary rocks where it meets the Coast Plutonic Complex of plutonic and metamorphic rocks. Local geological elements include Triassic to Jurassic, volcanic-sedimentary rocks of the Stewart Complex, the primary host rocks to gold-silver mineralization in the region; Triassic to Tertiary, plutonic rocks of the Coast Intrusions, possible source rocks to gold-silver mineralization; and Jurassic sedimentary rocks of the Bowser Basin, cover rocks to the Stewart Complex (Figure 3).

Upper Triassic clastic sediments of the Takla Group have been metamorphosed to layered schists-cataclasites and intruded by felsic plutons; overlain by Lower Jurassic, mafic volcanics and clastic sediments of the Unuk River Formation that are metamorphosed to hornfel-schists and intruded by dioritic plugs; followed by deposition of Middle Jurassic mafic to felsic volcanics and clastic sediments of the Betty Creek and Salmon River Formations, which were intruded by felsic sills and dikes; overlapped by Upper Jurassic clastic sediments of the Nass Formation; metamorphosed to hornfels and intruded by Lower Tertiary felsic plutons of the Coast Intrusions; and capped by Quaternary flood basalts and unconsolidated deposits (Table 1).

The Stewart mining camp has been a major producer of gold (>2 million oz.), silver (>45 million oz.) and copper (>385 million lbs.) for British Columbia. Premier-Silbak, the largest gold-silver mine in the district, operated continuously from 1918 to 1968.

Several recent discoveries of gold-silver vein deposits northwest of Stewart have fueled a boom in exploration activity. Delaware Resources (1 million tons ore grading 0.75 oz/ton gold), Skyline Explorations (1 million tons ore grading 0.75 oz/ton gold), Newhawk Gold Mines (2 million tons ore grading 0.45 oz/ton gold and 2 oz/ton silver) and Westmin Resources (10 million tons grading 0.08 oz/ton gold and 2 oz. silver) all have new mines now under development.


Gold-silver (copper, molybdenum) quartz veins follow narrow fractures and broad shears in Stewart Complex volcanics and sediments near felsic porphyry sills and dikes. They form part of a regional zoning from copper-rich mineralization in the west to molybdenum-bearing zones moving eastwards, and from gold-rich veins in the north to silver-dominant mineralization moving southwards.



SEDIMENTS - VOLCANICS

- 1 STEWART COMPLEX - TRIASSIC & JURASSIC
- 2 SUSTUT ASSEMBLAGE - CRETACEOUS & TERTIARY
- 3 PALEOZOIC
- 4 TERTIARY & RECENT VOLCANICS
- 5 BOWSER ASSEMBLAGE - MIDDLE JURASSIC TO UPPER JURASSIC

INTRUSIVES

- 6 COAST
- 7 OMINECA - TOPLEY
- 8 SKEENA
-  DYKE SWARMS
- 9 WRANGELL - REVILLAGIGEDO METAMORPHICS

LAKE #2 CLAIM.

**REGIONAL GEOLOGY**

SKEENA M.D. - SOUTH UNUK RIVER AREA

COOKE GEOLOGICAL CONSULTANTS LTD.

N.T.S. 104B/9W	SCALE: 1:1,000,000	FIG.
DATE: July 1988	DRAWN: J.R./dw	3

AFTER: GROVE, 1970

TABLE 1: FORMATION LIST

PERIOD	UNIT	LITHOLOGY	LEGEND
Quaternary	Unconsolidated deposits	Fluvial, glacial sediments	20
	Volcanic Flows	Basalt	18, 19
Lower Tertiary	Coast Intrusions	Quartz diorite, granodiorite, quartz monzonite, granite	7, 8, 9
	Metamorphic Rocks	Hornfels, schist, gneiss	3
Upper Jurassic	Nass Formation	Mudstone, siltstone, sandstone, conglomerate	17
Middle Jurassic	Plutonic Rocks	Granodiorite, syenodiorite, monzonite, alaskite	6
	Salmon River Formation	Siltstone, sandstone, rhyolite, tuff	15, 16
	Betty Creek Formation	Andesite, basalt, conglomerate, sandstone	13, 14
Lower Jurassic	Plutonic Rocks	Diorite, syenite	5
	Unuk River Formation	Andesite, tuff, sandstone, siltstone	11, 12
	Metamorphic Rocks	Hornfels, schist, gneiss, cataclasite	2
Upper Triassic	Plutonic Rocks	Diorite, quartz diorite, granodiorite	4
	Takla Group	Siltstone, sandstone, conglomerate, tuff	10
	Metamorphic Rocks	Schist, gneiss, cataclasite	1



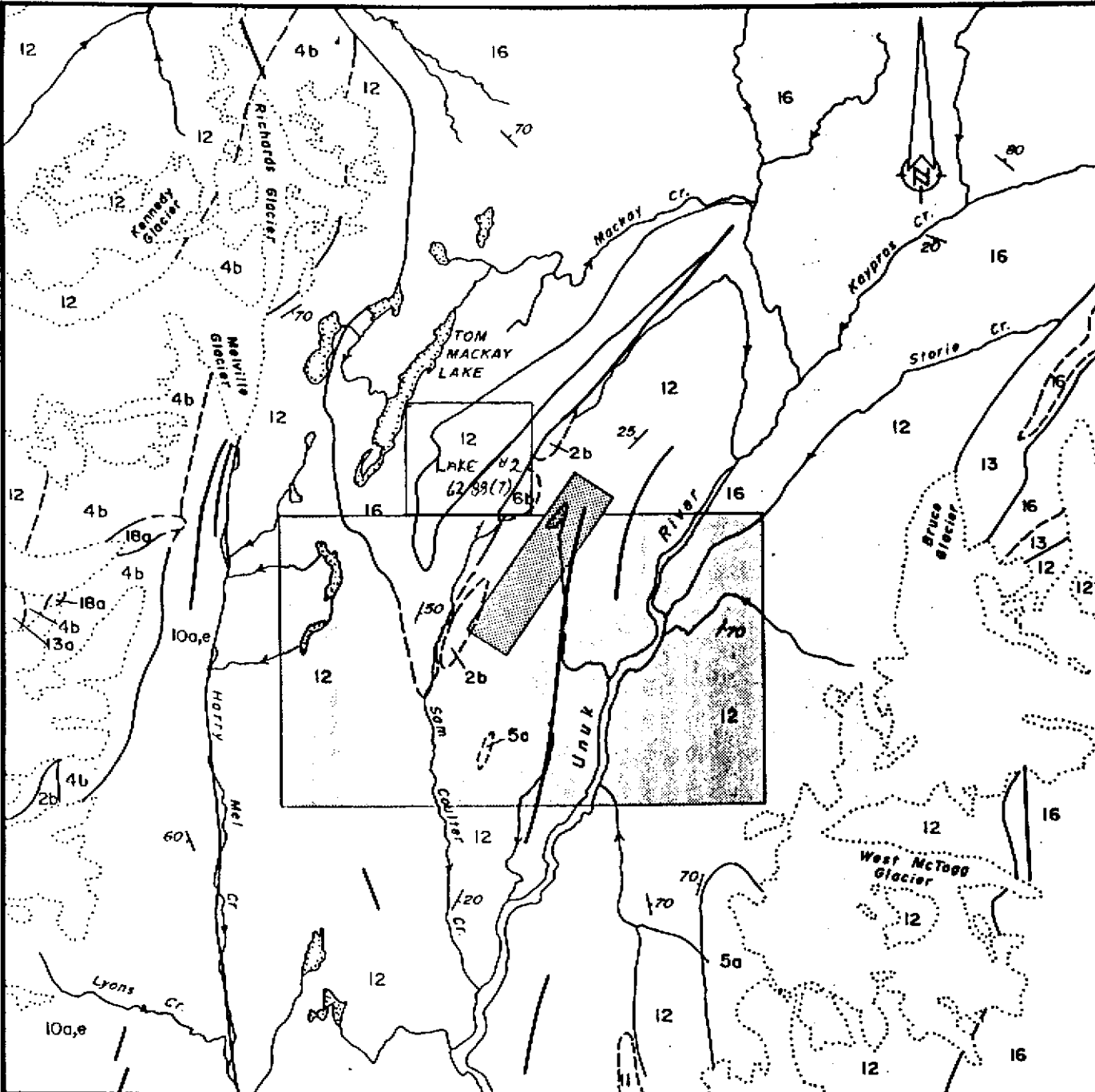
Property

The Lake #2 property is underlain predominantly by rocks of the Stewart Complex, including andesite, rhyolite and greywacke of the Lower Jurassic Unuk River Formation, unconformably overlain by argillite, sandstone and conglomerate of the Middle Jurassic Salmon River Formation. These rocks strike to the northeast and dip steeply northwest, along several northeast-trending fold axes, intruded by feldspar porphyry plugs, dikes and sills of Jurassic age (Figure #4). The shaly argillite was by far the dominant rock type to the NE and was characterized by a well defined axial planar cleavage. The ridges to the southeast were capped by the volcanics and conglomerate, while the valleys representing the eroded cores of anticlines were hosted by shales.

Prospecting and Physical Work

During the four-man days spent prospecting the Lake #1 claim, two men traversed the areas illustrated in Figure 5. Lithological units were checked and corresponded very closely to the local geology map (Figure #4). A total of 93 soils at 25m intervals were taken from the B Horizon along a traverse line trending about 130° to cross-cut local structures and establish control across the property. One silt sample was taken from the creek illustrated in Figure 5.

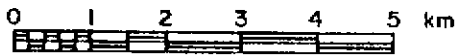
A total of 10 rocks were taken for future assay. The most common samples were quartz float barren of sulphides. However, a very interesting gossanous unit was located in the southeast corner of the claim. Here a number of samples were taken of an altered pyrited rhyolite and a quartz vein from 15 to 20cm wide containing enhearl pyrite oxidized on surface creating the goassan.



POLO property

SIB property

LAKE #2 PROPERTY



**LEGEND**

- Bedding
- Fault
- Geological contact (defined, approx)
- Glacier
- Creek

(see Formation List for Legend)

LAKE # 2 PROPERTY		
<b>LOCAL GEOLOGY</b>		
SKEENA M.D. - SOUTH UNUK RIVER AREA		
COOKE GEOLOGICAL CONSULTANTS LTD.		
N.T.S.	SCALE 1 : 100 000	FIGURE
104 B / W	DRAWN	4
DATE 1988		

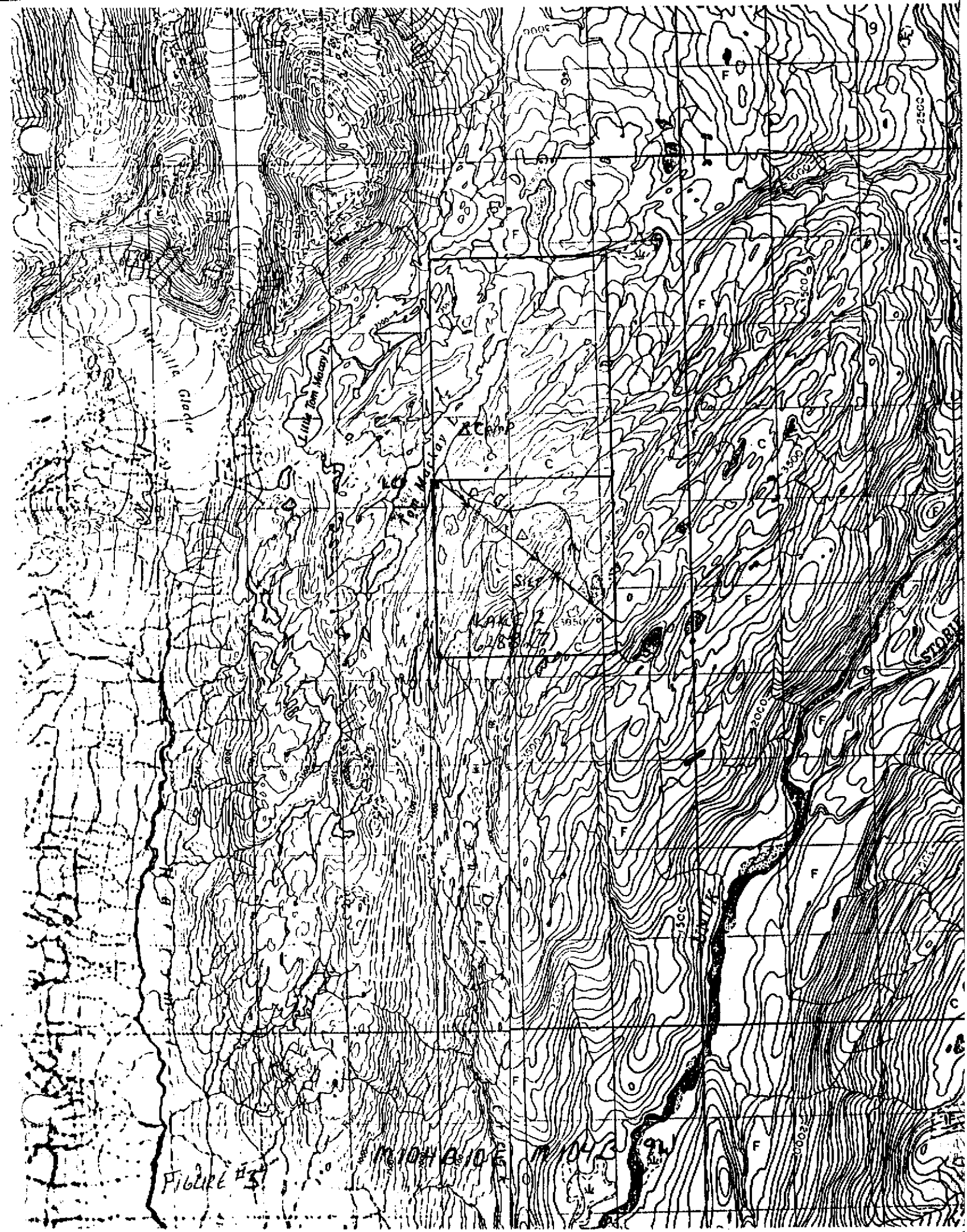


FIGURE #51

## COST STATEMENT

## 4 Man Days

1 Mob Demob x \$175/day	
2 Prospecting	
1 Report Writing	\$ 700.00

## 3 Man Days

1 Mob Demob x \$150/day	
2 Prospecting, Silts & Soils	450.00

DRAFTING & REPRODUCTION	49.80
CENTRAL MOUNTAIN AIR - CESSNA 206	500.00
HELICOPTERS - 1.8 hrs. x \$600	1,080.00
GROCERIES & SUPPLIES - 1	128.00
MEALS & ACCOMMODATIONS	103.20
CAMP SUPPLIES	<u>100.00</u>

\$1,961.00

DIVIDED BY:

2

\$ 980.50

980.50

TOTAL

\$2,130.50

STATEMENT OF QUALIFICATIONS

I, Tim Sandberg, of 201 - 1286 West 14th Avenue, Vancouver, British Columbia, V6H 1P9 do hereby certify:

I graduated from the University of British Columbia in May of 1982 with the degree of B.Sc. (Maj) in Geology.

I have worked in the mineral exploration industry, both seasonally and full-time since 1978.

I am an Associate Member of the Geological Association of Canada.

The information in this report is based on fieldwork performed by the author during the summer of 1988, and upon a review of the available literature.



Tim Sandberg, B.Sc.

Geologist

Cooke Geological Consultants Ltd.

September 10, 1988

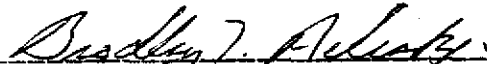
STATEMENT OF QUALIFICATIONS

I, Bradley Aelicks, of Vancouver British Columbia do hereby certify that:

I am a graduate of Laurentian University (1984) and hold a B.Sc. in Geological Sciences.

I have been involved in mineral exploration and mine development since April of 1980.

I organized the Project on behalf of Cooke Geological Consultants Ltd. and visited the property in July of 1988.

  
\_\_\_\_\_  
Bradley J. Aelicks, B.Sc.  
Geologist  
Cooke Geological Consultants Ltd.

September 10, 1988

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SAMPLE DESCRIPTIONS - LAKE #2

- TOM 88-R- 1      Quartz float - possibly sweats from host rock mud  
stones bedding 125°/18NE fractures 130°/85NE
- TOM 88-R- 2      Quartz breccia with vugs in nose of kink folds  
located within the silt and mudstones slightly  
rusty bedding 010°/38°E
- TOM 88-R- 3      Minor quartz stringers with localized  
silicification of conglomerate, containing chert  
siltstone clasts, stringers trend 100°/70°S.
- TOM 88-R- 4      Quartz stockwork and breccia at contact of  
conglomerate and interbedded sandstone.
- TOM 88-R- 5      Float: Quartz breccia slightly rusty in shale  
talus.
- TOM 88-R- 6      Quartz stockwork and breccia with pervasive  
silicification of the host sandstone over a  
15 m<sup>2</sup> area.
- TOM 88-R- 7      Possible rhyolite, siliceous and yellow weathering  
has 5% very fine grained disseminated pyrite,  
abundant outcrop nearby.
- TOM-88-R- 8      Rusty gossanous area, outcrops are somewhat  
bleached containing 20% disseminated euhedral  
pyrite in places.
- TOM-88-R-10      Siliceous rusty rhyolite with 5% disseminated  
pyrite in outcrop at south end of the lake.



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P.O. BOX 867  
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TELEPHONE: (705) 264-9996

*Certificate of ASSAY*

Company: ARC RESOURCE GROUP  
Project: CRB8TM MACKAY LAKE  
Attention: COOKE

File: 8-2141/P1  
Date: DEC 6/88  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
TOM 88 R 01	.01	0.001
TOM 88 R 02	.04	0.001
TOM 88 R 03	.01	0.001
TOM 88 R 04	.01	0.001
TOM 88 R 05	.01	0.001
TOM 88 R 06	.01	0.001
TOM 88 R 07	.01	0.001
TOM 88 R 08	.25	0.007
TOM 88 R 09	.37	0.011
TOM 88 R 10	.59	0.017
M 88 R 11	.01	0.001
TOM 88 R 12	.01	0.001

Certified by

MIN-EN LABORATORIES LTD.

COMPANY: ARC RESOURCE GROUP

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: CR 88 TM

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 9-2141R/P1

ATTENTION: B.AELICKS

(604)980-5814 DR (604)988-4524

\* TYPE ROCK GEOCHEM \*

DATE: DECEMBER 6, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
TOM88R01	1.3	14	27	27	4	61
TOM88R02	1.0	10	25	28	8	64
TOM88R03	1.1	10	18	27	2	35
TOM88R04	1.1	11	9	25	1	32
TOM88R05	1.1	10	23	21	2	86
TOM88R06	1.1	16	17	20	2	27
TOM88R07	.8	17	9	34	5	53
TOM88R08	.4	80	9	27	2	130
TOM88R09	.8	86	10	27	1	49
TOM88R10	2.2	111	9	37	4	17
TOM88R11	1.3	16	17	16	2	20
TOM88R12	1.1	18	17	10	1	24

PROJECT NO: CR 88 TM

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-21419/P1+2

ATTENTION: B.AELICKS

(604)980-5814 OR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: DECEMBER 6, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
TOMS88001	.6	19	9	30	1	84	1
TOMS88002	.6	5	28	32	2	183	4
TOMS88003	.5	16	72	40	4	522	2
TOMS88004	.5	7	36	24	1	166	3
TOMS88005	.7	20	53	28	4	263	3
TOMS88006	.4	17	80	41	3	412	1
TOMS88007	.5	4	62	29	4	356	1
TOMS88008	.6	5	56	24	1	261	3
TOMS88009	1.5	17	33	26	4	215	2
TOMS88010	1.1	8	11	22	1	86	1
TOMS88011	.7	9	10	30	1	82	1
TOMS88012	.6	6	13	23	1	79	2
TOMS88013	.5	3	35	24	1	132	1
TOMS88014	.5	3	25	29	1	227	1
TOMS88015	2.0	11	6	22	3	51	1
TOMS88016	2.6	5	6	27	1	57	2
TOMS88017	1.8	4	7	27	1	63	1
TOMS88019	.5	21	8	26	5	80	1
TOMS88020	1.4	14	8	27	1	61	1
TOMS88021	1.6	20	7	34	1	60	3
TOMS88022	2.1	17	8	24	1	42	1
TOMS88023	.6	18	31	38	5	191	2
TOMS88024	.4	5	33	37	1	326	2
TOMS88025	1.5	17	27	38	1	239	1
TOMS88026	.6	15	42	38	3	115	1
TOMS88027	.8	18	17	21	4	150	1
TOMS88029	1.9	6	7	22	1	128	1
TOMS88030	1.9	5	12	34	1	158	3
TOMS88031	1.3	5	17	27	1	88	1
TOMS88032	2.0	17	8	29	4	102	3
TOMS88033	2.3	3	9	34	1	80	1
TOMS88034	1.3	7	21	29	1	103	1
TOMS88035	2.9	19	7	32	1	72	1
TOMS88036	.9	26	9	31	1	82	2
TOMS88037	1.1	4	31	28	1	138	1
TOMS88038	1.0	5	24	26	1	122	1
TOMS88039	.8	6	18	31	1	110	3
TOMS88040	.3	11	19	24	1	98	5
TOMS88041	3.6	15	12	23	4	47	2
TOMS88042	.2	6	36	27	1	112	1
TOMS88043	1.7	4	14	21	1	131	1
TOMS88044	1.2	18	41	32	4	216	2
TOMS88045	1.7	5	28	26	1	196	4
TOMS88046	1.9	6	41	32	1	311	1
TOMS88047	1.6	19	17	25	6	147	1
TOMS88048	.5	19	47	24	5	244	1
TOMS88049	.9	24	17	43	4	165	3
TOMS88050	2.0	4	10	27	1	87	1
TOMS88051	1.5	19	17	35	1	119	2
TOMS88052	.4	6	14	32	1	100	2
TOMS88053	2.7	6	8	28	1	62	1
TOMS88054	2.5	18	7	21	1	65	1
TOMS88055	2.6	5	8	20	1	55	1
TOMS88056	.4	8	40	24	1	110	18
TOMS88057	2.2	19	7	37	1	65	16
TOMS88058	3.0	4	8	26	1	64	2
TOMS88059	.3	18	22	58	1	215	23
TOMS88060	.3	4	10	63	1	121	4
TOMS88061	3.0	4	7	28	1	55	2
TOMS88062	1.5	4	9	25	1	98	1

PROJECT NO: CR BB TN

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2141S/P3+4

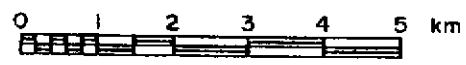
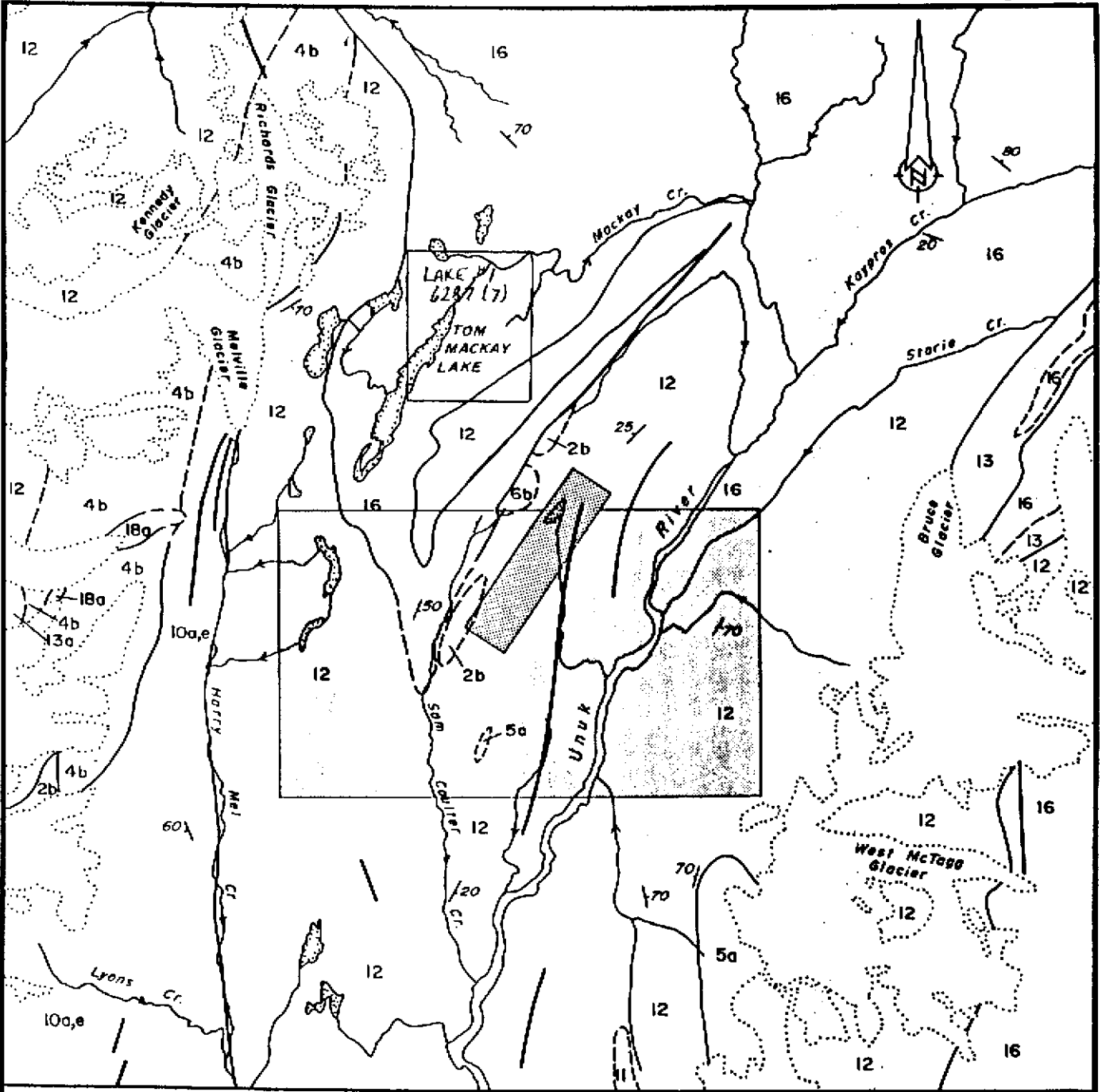
ATTENTION: B. AELICKS

(604) 980-5814 DR (604) 988-4524

# TYPE SOIL GEDCHEM #

DATE: DECEMBER 6, 1988

(VALUES IN PPM)	AS	AS	CU	PB	SB	ZN	AU-PPB
TOMS88063	.5	8	17	30	1	144	2
TOMS88064	.3	8	64	26	1	239	6
TOMS88065	.7	19	46	27	1	178	1
TOMS88066	1.2	6	18	21	1	95	1
TOMS88067	1.3	7	7	29	2	81	3
TOMS88068	2.0	22	74	39	1	311	2
TOMS88069	.3	10	47	31	1	225	2
TOMS88070	.3	13	50	31	1	352	3
TOMS88071	.5	6	13	26	1	128	22
TOMS88072	.7	9	25	29	3	129	1
TOMS88073SILT	.4	9	47	21	1	304	1
TOMS88074	1.8	7	9	25	2	179	2
TOMS88075	2.2	7	8	25	2	262	1
TOMS88076	3.0	18	26	31	7	127	23
TOMS88077	1.7	32	21	24	5	155	15
TOMS88078	.3	40	15	8	7	81	6
TOMS88079	.3	31	41	31	1	160	2
TOMS88080	.4	17	15	31	4	115	5
TOMS88081	2.8	5	8	27	1	46	1
TOMS88082	.3	7	9	40	1	130	2
TOMS88083	1.0	6	7	42	1	91	1
TOMS88084	1.2	5	6	29	2	62	3
TOMS88085	.5	6	9	23	2	64	1
TOMS88086	1.7	20	8	19	1	44	7
TOMS88087	.3	12	8	37	1	146	2
TOMS88088	6.8	9	6	77	4	52	2
TOMS88089	1.5	15	14	51	3	117	19
TOMS88090	10.4	208	17	2079	22	61	658
TOMS88091	1.3	12	8	64	4	68	9
TOMS88092	.6	5	9	54	1	71	4
TOMS88093	.7	5	12	43	5	136	13
TOMS88094	1.6	3	40	56	1	153	2
TOMS88095	1.8	19	8	32	1	58	3
TOMS88096	2.3	21	10	37	1	68	1
TOMS88097	1.0	5	7	33	1	101	1
TOMS88098	1.7	18	9	28	1	84	3
TOMS88099	2.4	4	8	39	2	43	1
TOMS88100	2.5	3	8	51	1	66	1
TOMS88101	.6	18	14	37	1	101	2
TOMS88102	.4	18	20	43	3	121	2
TOMS88103	1.9	21	7	30	1	49	1
TOMS88104	1.7	4	8	28	2	61	2
TOMS88105	1.4	20	8	29	1	50	1
TOMS88106	2.1	16	7	26	2	46	1
TOMS88107SILT	.4	18	27	29	1	162	1
TOMS88108	2.4	5	10	34	1	88	3
TOMS88109	1.0	19	13	43	1	119	2
TOMS88110	1.6	7	8	34	1	72	1
TOMS88111	.4	8	33	25	1	109	1
TOMS88112	.8	6	29	42	1	129	1
TOMS88113	.8	21	11	38	1	111	3
TOMS88114	.5	6	20	28	1	100	1
TOMS88115	1.2	12	12	31	2	71	2
TOMS88116	1.1	24	8	37	2	94	1
TOMS88117	.8	4	8	31	1	86	1
TOMS88118	2.7	24	10	33	3	93	2
TOMS88119	.9	6	77	36	1	213	1
TOMS88120	2.3	5	8	27	2	69	1
TOMS88121	1.1	8	31	30	1	163	1
TOMS88122	.4	7	19	37	1	89	2



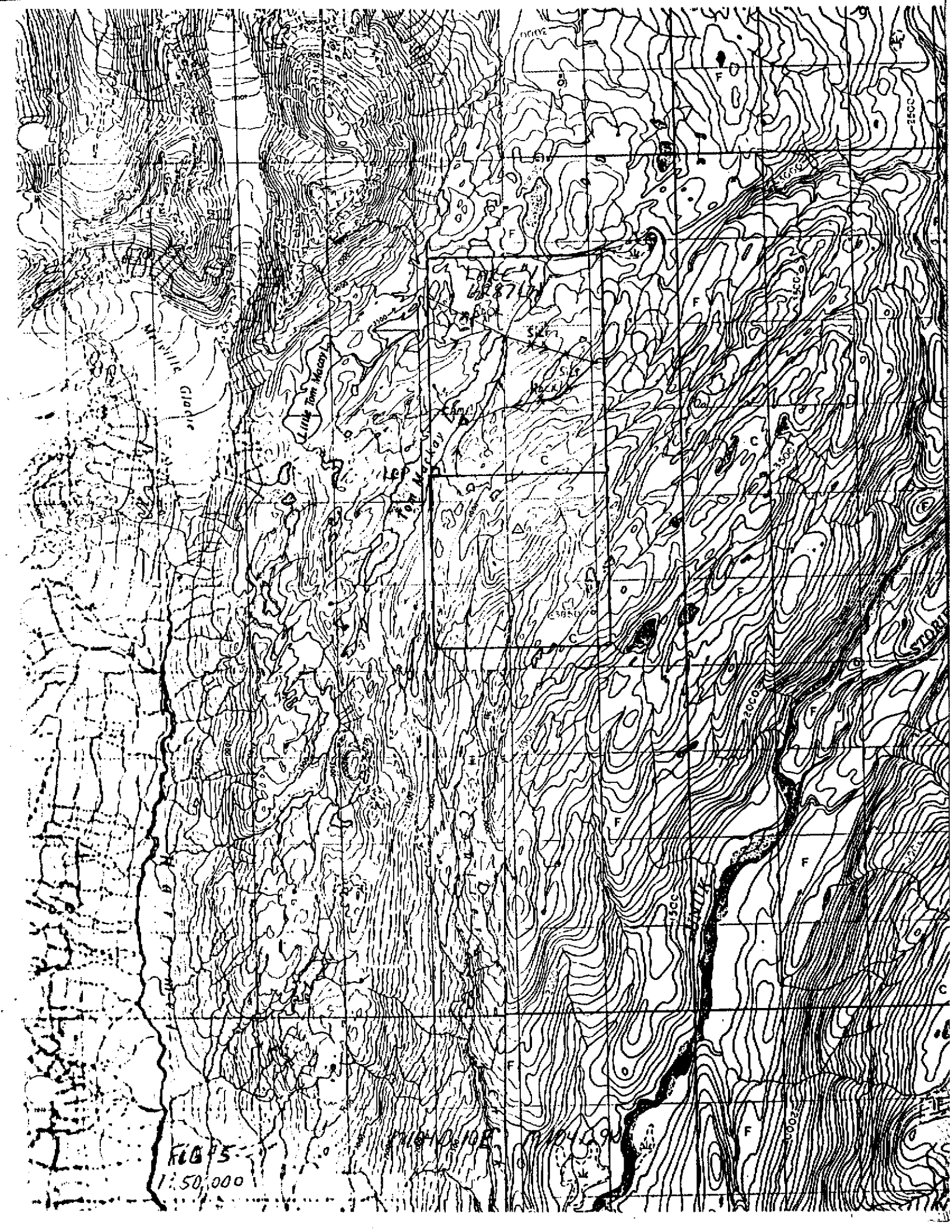
**LEGEND**

- Bedding
- Fault
- Geological contact (defined, approx)
- Glacier
- Creek

(See Formation List for Legend)

- POLO property
- SIB property
- LAKE #1 PROPERTY

<i>LAKE #1 PROPERTY</i>		
<b>LOCAL GEOLOGY</b>		
SKEENA M.D. - SOUTH UNUK RIVER AREA		
COOKE GEOLOGICAL CONSULTANTS LTD.		
N.T.S. 104 B / W	SCALE 1 : 100 000	FIGURE <b>4</b>
DATE 1988	DRAWN	



FCG 75  
1:50,000

Little Tom Macayol

Glacier

STON

COST STATEMENT

4 Man Days

1 Mob Demob x \$175/day	
2 Prospecting	
1 Report Writing	\$ 700.00

3 Man Days

1 Mob Demob x \$150/day	
2 Prospecting, Silts & Soils	450.00

DRAFTING & REPRODUCTION	49.80	
CENTRAL MOUNTAIN AIR - CESSNA 206	500.00	
HELICOPTERS - 1.8 hrs. x \$600	1,080.00	
GROCERIES & SUPPLIES - 1	128.00	
MEALS & ACCOMMODATIONS	103.20	
CAMP SUPPLIES	100.00	
	\$1,961.00	
	DIVIDED BY: 2	
	\$ 980.50	980.50

TOTAL		\$2,130.50
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STATEMENT OF QUALIFICATIONS

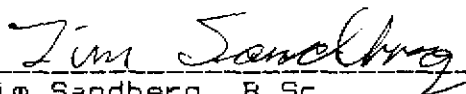
I, Tim Sandberg, of 201 - 1286 West 14th Avenue, Vancouver, British Columbia, V6H 1P9 do hereby certify:

I graduated from the University of British Columbia in May of 1982 with the degree of B.Sc. (Maj) in Geology.

I have worked in the mineral exploration industry, both seasonally and full-time since 1978.

I am an Associate Member of the Geological Association of Canada.

The information in this report is based on fieldwork performed by the author during the summer of 1988, and upon a review of the available literature.

  
-----  
Tim Sandberg, B.Sc.  
Geologist  
Cooke Geological Consultants Ltd.

September 10, 1988

STATEMENT OF QUALIFICATIONS

I, Bradley Aelicks, of Vancouver British Columbia do hereby certify that:

I am a graduate of Laurentian University (1984) and hold a B.Sc. in Geological Sciences.

I have been involved in mineral exploration and mine development since April of 1980.

I organized the Project on behalf of Cooke Geological Consultants Ltd. and visited the property in July of 1988.

*Bradley V. Aelicks*  
-----  
Bradley V. Aelicks, B.Sc.  
Geologist  
Cooke Geological Consultants Ltd.

September 10, 1988

#### REFERENCES

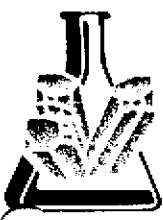
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SAMPLE DESCRIPTIONS - LAKE #1

TOM-R-88-11      Quartz float, no visible sulphides.

TOM-R-88-12      Quartz breccia veining near contact of  
conglomerate and siltstones 150°/50NE.



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P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-8996

*Certificate of ASSAY*

Company: ARC RESOURCE GROUP  
Project: CR88TM MACKAY LAKE  
Attention: COOKE

File: 8-2141/P1  
Date: DEC 6/88  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
TOM 88 R 01	.01	0.001
TOM 88 R 02	.04	0.001
TOM 88 R 03	.01	0.001
TOM 88 R 04	.01	0.001
TOM 88 R 05	.01	0.001
TOM 88 R 06	.01	0.001
TOM 88 R 07	.01	0.001
TOM 88 R 08	.25	0.007
TOM 88 R 09	.37	0.011
TOM 88 R 10	.59	0.017
M 88 R 11	.01	0.001
TOM 88 R 12	.01	0.001

Certified by   
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(ACT:F31) PAGE 1 OF 1

PROJECT NO: CR 88 TM

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-2141R/P1

ATTENTION: B.AELICKS

(604)980-5814 OR (604)988-4524 \* TYPE ROCK GEDCHEM \* DATE: DECEMBER 6, 1988

(VALUES IN PPM )	AG	AS	CU	PB	SB	ZN
TOM88R01	1.3	14	27	27	4	61
TOM88R02	1.0	10	25	28	8	64
TOM88R03	1.1	10	18	27	2	35
TOM88R04	1.1	11	9	25	1	32
TOM88R05	1.1	10	23	21	2	86
TOM88R06	1.1	16	17	20	2	27
TOM88R07	.8	17	9	34	5	53
TOM88R08	.4	80	9	27	2	130
TOM88R09	.8	86	10	27	1	49
TOM88R10	2.2	111	9	37	4	17
TOM88R11	1.3	16	17	16	2	20
TOM88R12	1.1	18	17	10	1	24

PROJECT NO: CR BB TM

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-21415/P3+4

ATTENTION: B. AELICKS

(604) 980-5814 OR (604) 988-4524

# TYPE SOIL GEOCHEM #

DATE: DECEMBER 6, 1988

(VALUES IN PPM)	AS	CS	CU	PB	SB	ZN	AU-PPB
TOMS88063	.5	8	17	30	1	144	2
TOMS88064	.3	8	64	26	1	239	6
TOMS88065	.7	19	46	27	1	178	1
TOMS88066	1.2	6	18	21	1	95	1
TOMS88067	1.3	7	7	29	2	81	3
TOMS88068	2.0	22	74	39	1	311	2
TOMS88069	.3	10	47	31	1	225	2
TOMS88070	.3	13	50	31	1	352	3
TOMS88071	.5	6	13	26	1	128	22
TOMS88072	.7	9	25	29	3	129	1
TOMS88073SILT	.4	9	47	21	1	304	1
TOMS88074	1.8	7	9	25	2	179	2
TOMS88075	2.2	7	8	25	2	262	1
TOMS88076	3.0	18	26	31	7	127	23
TOMS88077	1.7	32	21	24	5	155	15
TOMS88078	.3	40	15	8	7	81	6
TOMS88079	.3	31	41	31	1	160	2
TOMS88080	.4	17	15	31	4	115	5
TOMS88081	2.8	5	8	27	1	46	1
TOMS88082	.3	7	9	40	1	130	2
TOMS88083	1.0	6	7	42	1	91	1
TOMS88084	1.2	5	6	29	2	62	3
TOMS88085	.5	6	9	23	2	64	1
TOMS88086	1.7	20	8	19	1	44	7
TOMS88087	.3	12	8	37	1	146	2
TOMS88088	6.8	9	6	77	4	52	2
TOMS88089	1.5	15	14	51	3	117	19
TOMS88090	10.4	208	17	2079	22	61	658
TOMS88091	1.3	12	8	64	4	68	9
TOMS88092	.6	5	9	54	1	71	4
TOMS88093	.7	5	12	43	5	136	13
TOMS88094	1.6	3	40	56	1	153	2
TOMS88095	1.8	19	8	32	1	58	3
TOMS88096	2.3	21	10	37	1	68	1
TOMS88097	1.0	5	7	33	1	101	1
TOMS88098	1.7	18	9	28	1	84	3
TOMS88099	2.4	4	8	39	2	43	1
TOMS88100	2.5	3	8	51	1	66	1
TOMS88101	.6	18	14	37	1	101	2
TOMS88102	.4	18	20	43	3	121	2
TOMS88103	1.9	21	7	30	1	49	1
TOMS88104	1.7	4	8	28	2	61	2
TOMS88105	1.4	20	8	29	1	50	1
TOMS88106	2.1	16	7	26	2	46	1
TOMS88107SILT	.4	18	27	29	1	162	1
TOMS88108	2.4	5	10	34	1	88	3
TOMS88109	1.0	19	13	43	1	119	2
TOMS88110	1.6	7	8	34	1	72	1
TOMS88111	.4	8	33	25	1	109	1
TOMS88112	.8	6	29	42	1	129	1
TOMS88113	.8	21	11	38	1	111	3
TOMS88114	.5	6	20	28	1	100	1
TOMS88115	1.2	12	12	31	2	71	2
TOMS88116	1.1	24	8	37	2	94	1
TOMS88117	.8	4	8	31	1	86	1
TOMS88118	2.7	24	10	33	3	93	2
TOMS88119	.9	6	77	36	1	213	1
TOMS88120	2.3	5	8	27	2	69	1
TOMS88121	1.1	8	31	30	1	163	1
TOMS88122	.4	7	19	37	1	89	2



PROJECT NO: CR 88 TM

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-2141S/P5+6

ATTENTION: B. AELICKS

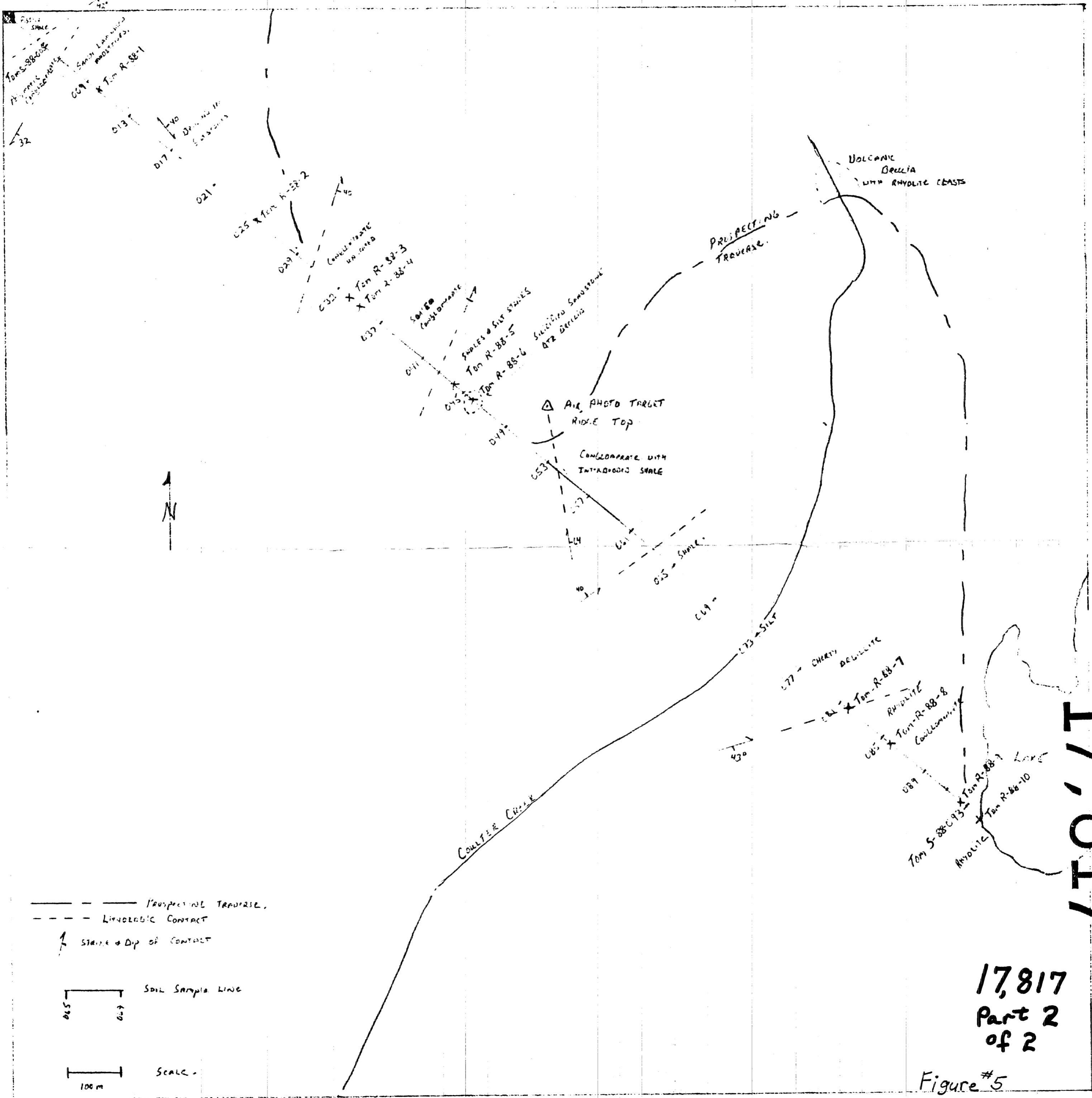
(604)980-5814 OR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: DECEMBER 6, 1988

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TOMS88125	2.2	12	7	34	7	82	8
TOMS88126	1.2	5	11	31	3	81	2
TOMS88127	1.3	6	8	16	2	55	1
TOMS88128	.9	18	9	26	1	63	1
TOMS88129	1.4	7	9	38	4	77	3
TOMS88130	1.1	6	7	25	2	48	1
TOMS88131SILT	.5	4	15	28	1	133	5
TOMS88132	.9	7	11	26	1	108	1
TOMS88133	2.3	25	8	26	2	66	1
TOMS88134	1.7	4	23	34	1	114	4
TOMS88135	2.9	5	8	35	1	85	2
TOMS88136	1.5	6	12	41	1	100	1
TOMS88137	2.7	9	7	28	1	44	1
TOMS88138	1.2	5	14	28	1	77	1
TOMS88139	1.6	17	7	17	1	64	3
TOMS88140	2.4	4	16	22	1	71	2
TOMS88141	.8	13	9	26	1	93	2
TOMS88142	.5	8	14	23	1	125	1
TOMS88143	1.9	3	6	23	2	63	2
TOMS88144	1.2	4	8	26	2	96	1
TOMS88145	2.0	24	6	29	2	71	5
TOMS88146	1.0	17	8	32	1	68	10
TOMS88147	.9	9	7	35	2	89	9
TOMS88148	.9	6	11	31	2	76	3
TOMS88149	2.3	7	10	37	1	84	14
TOMS88150	1.9	5	10	35	1	95	4
TOMS88151	2.1	6	8	39	2	75	6
TOMS88152	2.2	3	7	28	1	45	1
TOMS88153	2.6	8	9	39	5	88	2
TOMS88154	2.5	5	7	32	6	87	1
TOMS88155	2.4	11	7	31	4	65	3
TOMS88156	2.5	6	7	32	2	69	3
TOMS88157	1.4	6	7	40	2	92	1
TOMS88158	.6	13	6	39	3	91	5
TOMS88159	2.2	11	8	41	3	95	9
TOMS88160	3.5	17	8	35	2	66	1
TOMS88161	3.6	9	6	31	5	78	3
TOMS88162	3.4	10	7	38	3	73	1
TOMS88163	2.3	6	8	27	3	59	2
TOMS88164	2.5	14	9	46	6	109	2
TOMS88165	1.7	7	7	41	7	124	1
TOMS88166	2.2	17	10	42	8	99	1
TOMS88167	2.5	4	9	33	2	57	1
TOMS88168	3.7	10	7	29	5	57	3
TOMS88169	2.4	9	7	37	4	81	2
TOMS88170	.5	10	30	42	1	151	10
TOMS88171	2.3	3	8	29	1	74	4
TOMS88172	2.6	4	7	30	2	63	1
TOMS88173	2.4	22	8	39	1	77	2
TOMS88174	1.4	5	7	38	2	79	2
TOMS88175	1.0	7	8	49	1	110	1
TOMS88176	.6	12	41	37	1	121	1
TOMS88177	.5	9	8	40	3	131	2
TOMS88178	3.2	9	8	38	1	63	1
TOMS88179	4.0	21	8	53	9	119	1
TOMS88180	3.5	8	8	27	1	50	1

LCP  
 LAKE #2  
 6288 (7)  
 4S 4E



17,817

ASSESSMENT REPORT

17,817  
 Part 2  
 of 2

Figure #5