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FIELD
COPY

SALMON RIVER - M468

REPORT COVERING FOLLOW-UP OF 1977 STREAM DETRITUS SAMPLING IN THE SALMON RIVER AREA

January to May 1978 Inclusive

NTS 92F/13 92K/4 92K/3

NANAIMO MINING DIVISION

by

G. W. Laforme
Geologist

for

Chevron Standard Limited
Minerals Staff
901-355 Burrard Street
Vancouver, B.C. V6C2G8

May 1978

INTRODUCTION

In October 1977, 20 bulk samples of stream detritus were collected, each separated into 19 fractions, and analyzed for Cu, Pb, Zn and Mo. A microscopic examination of one or more fractions from each sample was carried out.

A preliminary evaluation of the results obtained, indicated sample sites V7 and V8 were highly anomalous in Cu, Pb and Zn; V16 anomalous in Cu; V1 in Cu and Pb. Scheelite was noted in sample V1 as well.

This survey was an initial attempt to determine the reason for the anomalies produced by the above sampling program.

SUMMARY

April 14 - 18 with Jim Chapman

		Samples Collected		
		Bulk	Panned	Rock
Field checking Greenstone Cr.	Fig. 1	GL-78-B15	GL-78-P15	
" " V7 Cr.	Fig. 2	GL-78-B16	GL-78-P16	
" " North Memekay R.	Fig. 2	GL-78-B17	Gl-78-P17	(R 7 (R10
" " V8 Cr.	Fig. 2		GL-78-P18	R 8

RECOMMENDATIONS

Further prospecting should be carried out on:

(1) V8 Creek

(2) The North Memekay River

(3) V1 Creek Fig. 3

(4) Greenstone Creek Upstream from Crown Grants L1215, L1216

FIELD METHODS

(Fig. 2) Site V7 Creek was sampled and prospected over a length of some 2 miles (3.2 km). The creek cuts through the Parsons Bay Formation (limy argillite member) for the lower ¼ mile (0.4 km) of its length. Fractures in the argillite are calcite filled with minor sphalerite, galena, and chalcopyrite in isolated instances.

(Fig. 2) Site V8 Creek was sampled and prospected for the lower mile (1.6 km) which flows along the Parsons Bay Formation. A fossiliferous bed in the argillite is exposed just above the logging road bridge. A specimen was obtained, monotis subcircularis?, and sent to the Geological Survey of Canada for positive identification.

Visible sphalerite was found in a calcite filled fracture in porphyritic andesite float (GL-78-R8). Minor calcite filled fractures in argillite were noted with traces of galena and sphalerite. Coarse breccia float was observed approximately 1 mile (1.6 km) upstream from V8 creek's confluence with the White River.

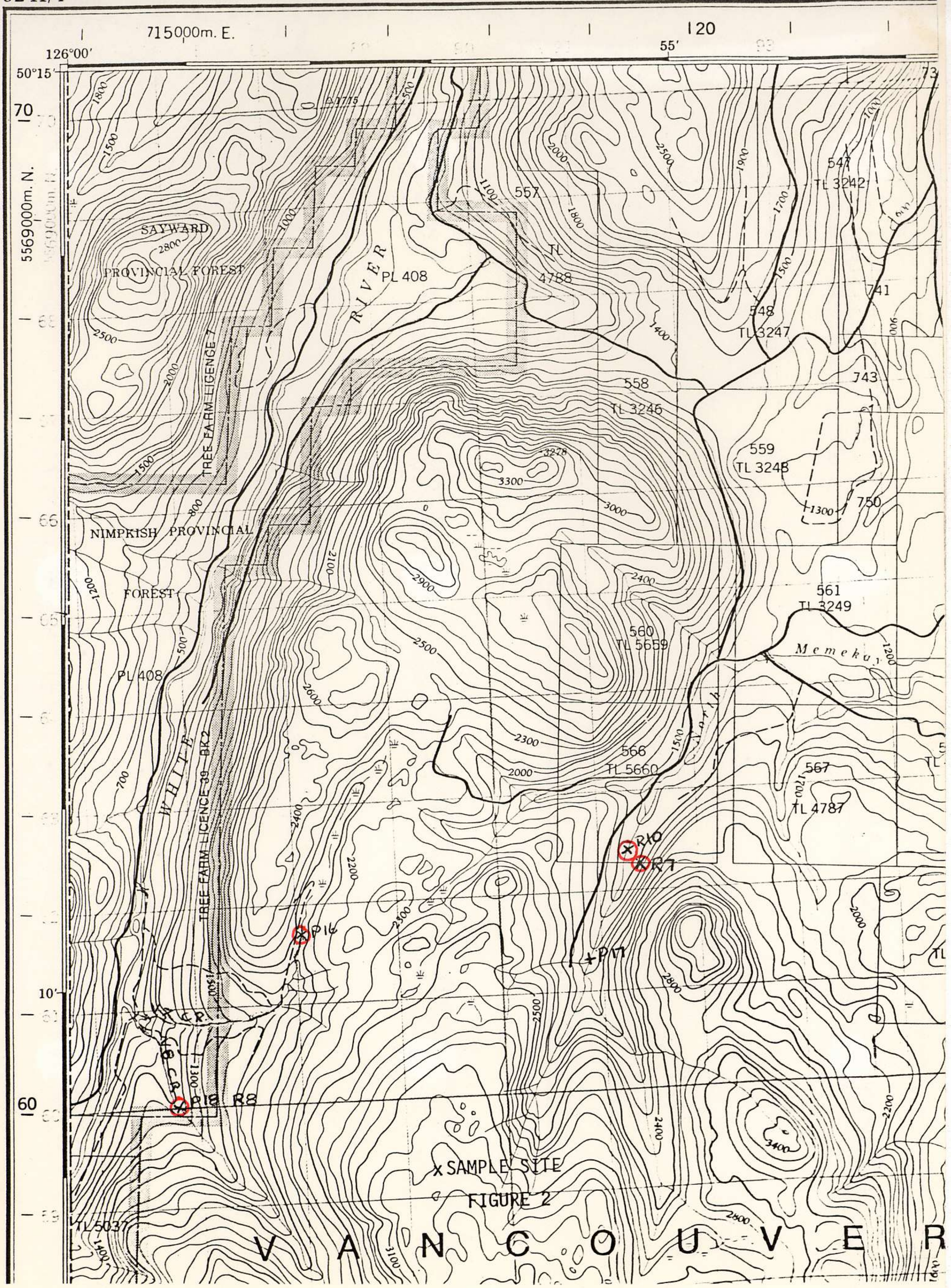
Site V12 North Memekay River was prospected and sampled for 1.25 miles (2.0 km). Two very fine gold nuggets were found in a panned sample. Sphalerite, 0.25 inches (6 mm) thick, was found in a rusty coloured fracture in a grey weathered, brecciated cobble some 5 inches (125 mm) in diameter, composed of very fine grained andesitic fragments $\leq$ 1 inch (25 mm) with a coarser grained dioritic matrix.

A pyritized ammonite fossil, found on a logging road 70 feet (21 meters) above the stream surface, was sent to the Geological Survey of Canada for identification.

(Fig. 1) Site V16 Greenstone Creek was sampled near the upstream boundary of Crown Grant #1215.

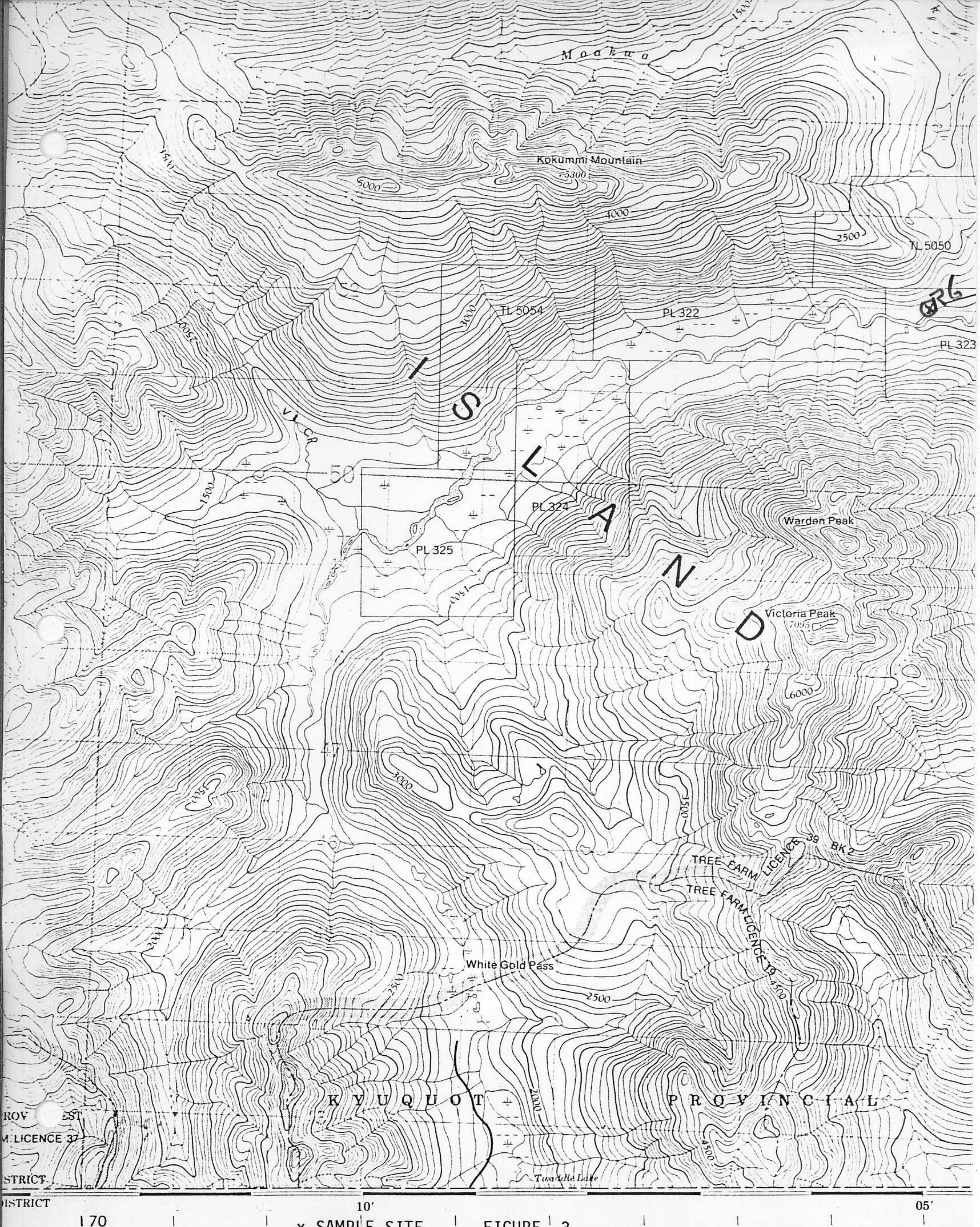
COMOX LAND DISTRICT
D DISTRICT
Greenstone
Creek
2800
Mount
Evelyn
4324
BK 44
BK 524
BK 925
2300
3200
BK 1009
Creek
Ronald
BK 735
246A
1400
BK 1064
2900
BK 880
1900
3100
UPPER CAMPBEL
1857
BK 560
BK 1336
2100
258
1800
4646
Mount
Flannigan
BK 797
BK 846
3900
BK 559
Television
5063
BK 718
3600
1600
1400
BK 1085
I S L A N D
BK 1086
BK 558
BK 43
2200
1300
BK 552
BK 1051
BK 127
X SAMPLE SITE

FIGURE 1



X SAMPLE SITE

FIGURE 2



x SAMPLE SITE FIGURE 3

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VANCOUVER OFFICE

PROJECT: M 468

SEMI-QUANTITATIVE ANALYSIS

No: 28 - 131

Sample No. GL-78 - R7

From: Chevron Standard Ltd.

Method: X R F

Date: May 1, 1978

No. of Elements: 32

Analyst:

MAJOR ELEMENTS (%)	<.003	.003-.01	.01-.03	.03-0.1	0.1-0.3	0.3-1.0	1.0-3.0	3.0-10.0	> 10.0	REMARKS
SiO_2									X	
Al_2O_3								X		
Total Fe (Fe_2O_3)									X	
MgO							X			
CaO									X	
Na_2O					X					
K_2O				X						
TiO_2						X				
TRACE ELEMENTS (%)										
V		X								
Cr		X								
Mn					X					
Co	X									
Ni	X									
Cu		X								
Zn		X								
As	X									
Sr			X							
Y	X									
Zr	X									
Nb	X									
Mo	X									
Ag	X									
Sn	X									
Sb	X									
Ba		X								
La	X									
Ce	X									
W	X									
Pb		X								
Bi	X									
Th	X									
U	X									

Salmon River

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Geochemical Lab Report

Extraction Hot AquaRegia

Method Atomic Absorption

Fraction Used

Report No. 28 - 143 PROJECTS: M 467 & 468

From Chevron Standard Ltd.

Date April 26, 19 78

SAMPLE NO.	Cd ppm	ZN ppm	ZN / CD		Pb	PB / CD		REMARKS
GL - 78 - R 5	2.2	166	75		128	58		
P15	0.2	89	445		<2	10		CONTROL
P18	1.0	245	245		8	31		

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Geochemical Lab Report

Extraction Cu,Pb,Zn,Ag; Hot Aqua Regia
Au; Fire Assay & Hot Aqua Regia

Report No. 28 - 131 PROJECT: M 468

Method Atomic Absorption

From Chevron Standard Ltd.

Fraction Used

Date April 21 1978

SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb			REMARKS
GL - 78 - R6	-	-	-	1.2	155			
GL - 78 - R7	-	-	-	0.8	60			
GL - 78 - R8	24	42	124	-	-			
								Spec to follow

0-18

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Geochemical Lab Report

Extraction: Ag; Hot Aqua Regia W; Basic Fusion
Au; Fire Assay & Hot Aqua Regia

Method: W; Colorimetric
Ag,Au; Atomic Absorption

Fraction Used

Report No. 28 - 262 PROJECT: M 467

From Chevron Standard Ltd.

Date June 5 1978

SAMPLE NO.	Ag ppm	W ppm	Au ppb		SAMPLE NO.				
GL-78-R10	2.9	3	55						

V-16

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VANCOUVER OFFICE

Geochemical Lab Report

Extraction: Cu,Pb,Zn,Mo,Ag; Hot Aqua Regia / Au; Fire Assay & Hot Aqua Regia

Report No. 28 - 134 PROJECT: M 468

Method: Atomic Absorption

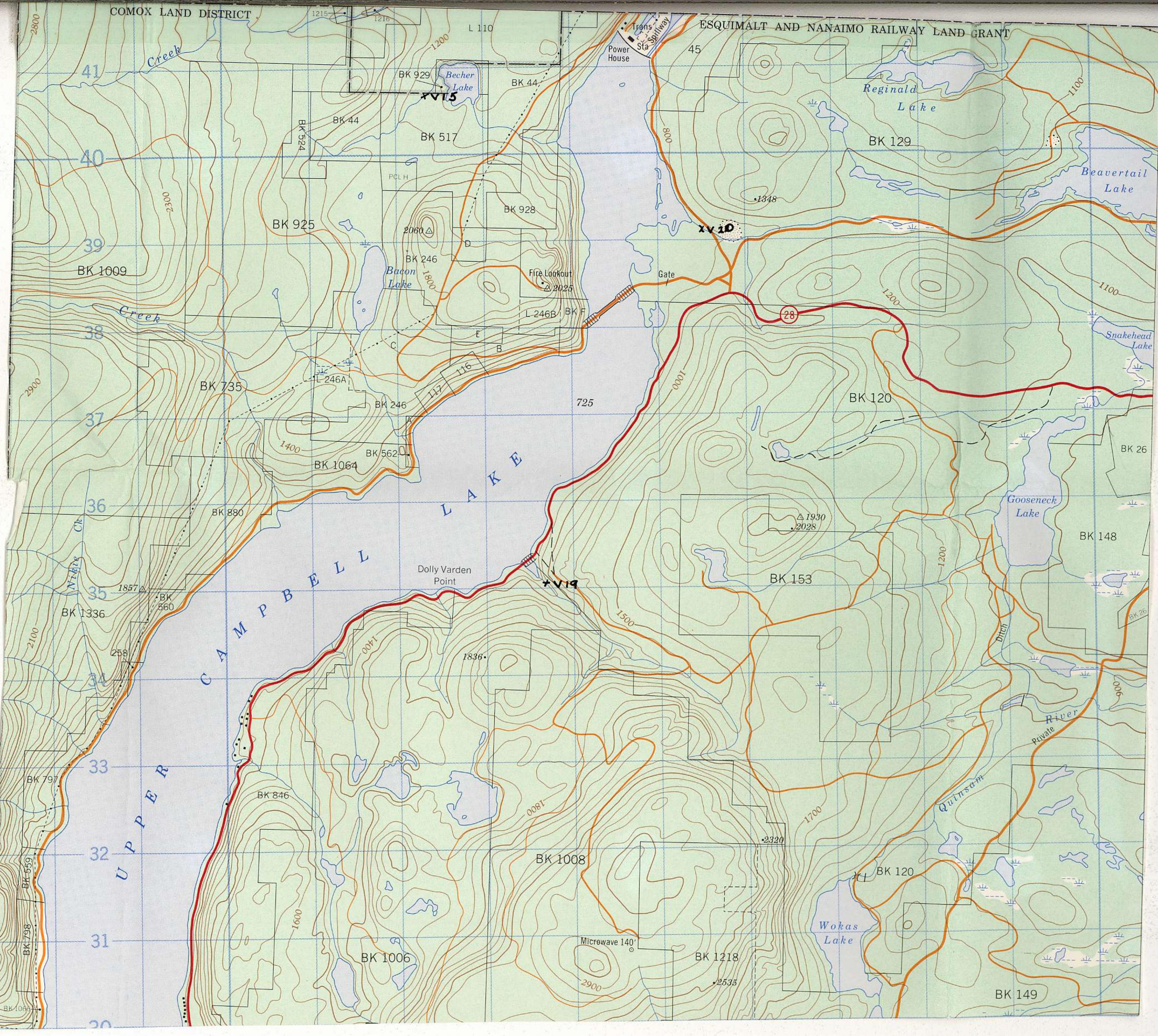
From: Chevron Standard Ltd.

Fraction Used:

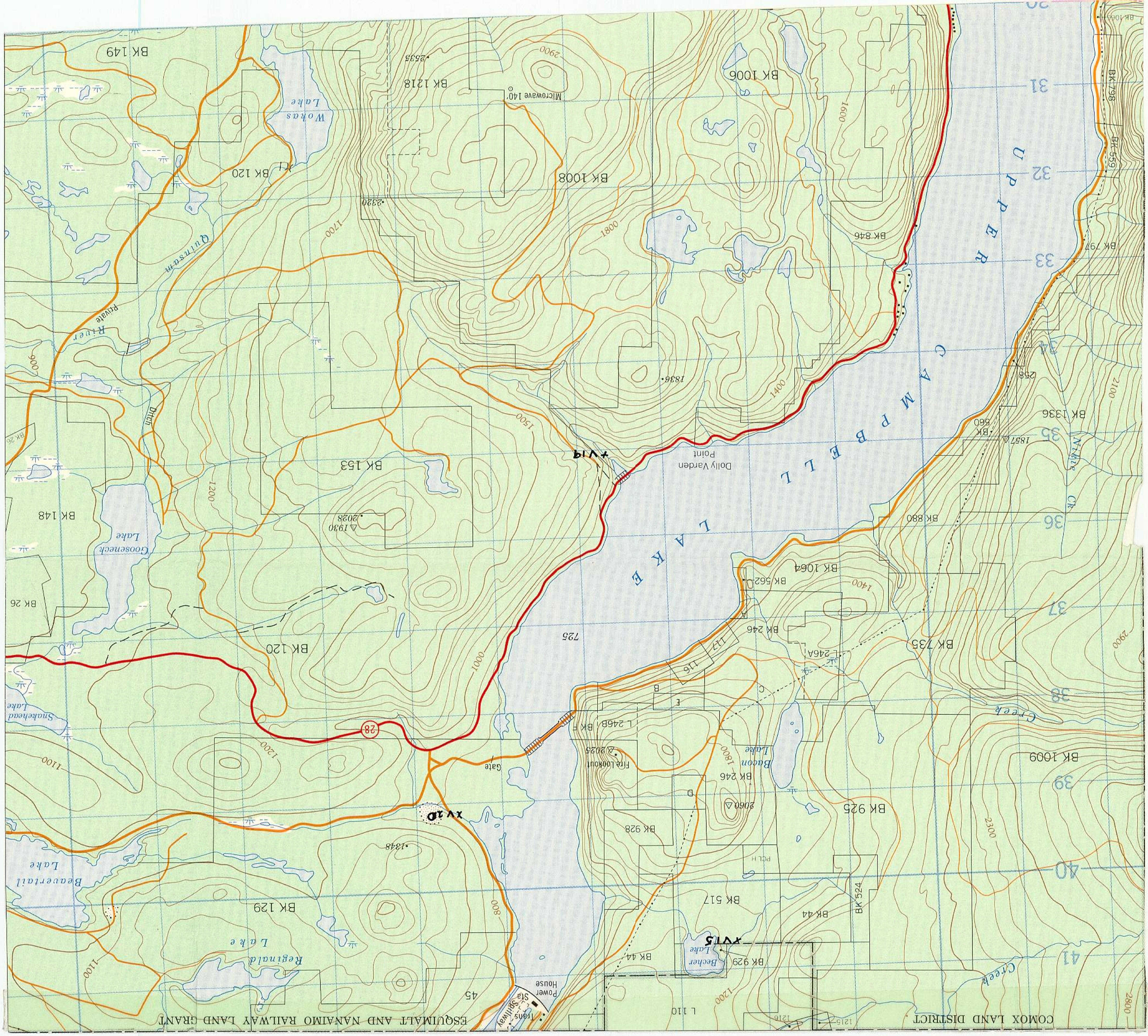
Date: April 25 19 78

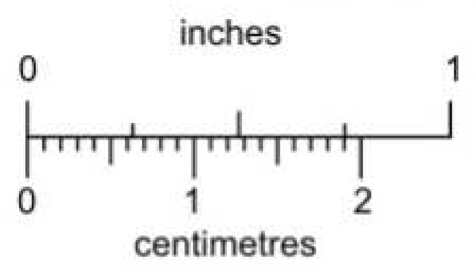
SAMPLE NO.	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Au ppb		REMARKS
GL - 78 - R 9	10	-	-	-	0.3	10		
P 15	102	< 2	89	1	-	-		
P 16	58	6	72	1	-	-		
P 17	44	6	145	1	-	-		
P 18	123	8	245	2	-	-		

D-18



COMOX LAND DISTRICT
ESQUIMALT AND NANAIMO RAILWAY LAND GRANT
Creek
L 110
Becher Lake
BK 929
BK 44
Power House
Trans Sta
Spillway
45
Reginald Lake
BK 129
Beavertail Lake
BK 524
BK 517
BK 925
BK 928
2060
Bacon Lake
BK 246
D
Fire Lookout
2025
BK 1009
Gate
1348
Creek
L 246B
BK F
28
1200
1100
Snakehead Lake
C
E
B
BK 735
L 246A
116
117
BK 246
725
BK 120
A
BK 26
1400
BK 562
BK 1064
BK 880
LAKE
Gooseneck Lake
1930
2028
BK 148
Nikto Cr.
Dolly Varden Point
BK 153
1857
BK 560
BK 1336
CAMPBELL
1500
258
1836
Ditch
River
Private
Quinsam
BK 797
BK 846
1800
1700
2320
UPPER
BK 1008
BK 120
BK 359
BK 798
1600
Wokas Lake
Microwave 140'
BK 1006
BK 1218
2900
2535
BK 149
2800
2300
2900
2100
1000
800
900
41
40
39
38
37
36
35
34
33
32
31
30





This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

V1 BULK SAMPLE SITE + SILT SAMPLE SITE.
GL-77-S1 SILT SAMPLE SITE ONLY

PROJECT M 468 1977

Roads:	Routes:		
hard surface, all weather	pavée, toute saison	dual highway / 2 chaussées séparées	more than 2 lanes / plus de 2 voies
hard surface, all weather	pavée, toute saison	2 lanes / 2 voies	less than 2 lanes / moins de 2 voies
loose or stabilized surface, all weather	gravier aggloméré, toute saison	2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose surface, dry weather and unclassified streets	de gravier, temps sec et rues hors classe		
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

BREWSTER LAKE

BRITISH COLUMBIA

Scale 1:50,000 Échelle

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

BROWN NUMBERED TICKS INDICATE THE 1000 METRE U.T.M. GRID ZONE 9
LES TRAITS NUMÉROTÉS EN BRUN INDIQUENT LE QUADRILLAGE DE 1000 MÈTRES U.T.M.

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE

92 L/8	92 K/5	92 K/6
92 L/1	92 K/4	92 K/3
92 E/16	92 F/13	92 F/14

INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

BREWSTER LAKE
92 K/4
EDITION 2

M 468
SAMPLE SITES
1977
G.A.L.

DOMINION MAP LIMITED
571 HOWE STREET
VANCOUVER, B.C. V6C 2C2