

LOG NO: 0302	RD.
ACTION:	
FILE NO:	

TABLE OF CONTENTS

Summary

General

Claims and Property history

Geology

VLF-EM Survey

Qualification of OPERATOR

MAPS OF PROPERTY:  
(In pocket)

	1: 5,000 Geological and Sample Location
1:20,000	Claim contour 20M.INT
1: 5,000	VLF survey map

Location Map 1:50,000

STATEMENT OF EXPENDITURES

QUALIFICATIONS

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**17,093**

### SUMMARY

9.8 km of grid line was ribboned and blazed and chained. The base line was 020 N which is the strike of the main showing. Stations were marked every 25 meters, lines were spaced 100 meters apart; and branched at right angles 200 meters west and 400 meters east of the Baseline.

About 64 soil samples were collected and assayed for Arsinic sampling interval was 50 meters from Wattaway Creek bridge east to the east side boundary. Samples were taken below the "B" horizon a distinctive layer below ground surface approximately 30 centimeters.

Assay results from main showings BW #1 thru BW #4 are in pocket with maps and geochem results.

The Claims can be reached by taking the Forbidden Plateau ski road from Courtenay, 12 km of paved road and 3 km of gravel road. The second switch back has a road (4x4) to the claims.

The B W #4 Claim is directly on the North boundary of the Forbidden Plateau Ski area and the main showings with 26 meter trench at 840 meters above sea level. The claim is a twelve unit block, (three units south and four units east).

The claim has virgin timber in some parts but mostly second growth scrub, with large cleared areas where carbonate alteration is most noticeable.

Since this is a discovery claim there has been no previous work reported.

#### GEOLOGY

Most of the ground mass is the Karmutsen (Bonanza Volcanics) formation pillow lava, minor limestones, some calciferous quartz veins with the odd shear zone. Outcrops were found by following the breccia float to the main showing encountering numerous alteration areas (five) on the way. The main showing has an 8 meter wide metallic top or cap 15 centimeters thick interlaced with silicified chlorite breccia, 1/2 a meter thick with carbonate alteration then another breccia layer was exposed on the trench, (in bottom of trench).

The strike is 020 - 10N and the road grade is 12 .

VLF - Survey

Readings were taken with a model 27 unit of Saber Electronics in Burnaby, B.C. and the transmitter from Seattle was used. Readings were taken every 25 meters and the Frazer method was used for reducing figures for contouring and are shown in accompanying map in pocket. Three strong to moderate conductors are present and should be looked at more thoroughly. The field book and part of another are enclosed with this report.

### GEOCHEM SURVEY

The sampling was done above Wattaway Creek main log road in the distinctive "B" horizon. No conclusions can be drawn from the data which is included at back of report.

### CONCLUSIONS AND RECOMMENDATIONS

The main showings need to be opened up with a longer and wider trench. The shear zones should be sampled and along with the numerous calcereous quartz veins on the property. Trenching should be done in the areas of Carbonate alteration and sampled.

STATEMENT OF EXPENDITURES

VLF unit rental 2 months	600.00
Geochem results	253.00
Assays	250.00
Labor 26 m open cut trench	200.00
Prospecting 5 days @ \$100. per day	500.00
Geophysical grid 7800 m at \$250./km	1,950.00
TOTAL	\$3,653.00

### Qualifications

I have worked with Percy Sheppard (a consulting Biologist) on numerous occasions for 3 years from 1983 till 1986. I am a graduate of the Advanced prospectors course in Mesachie Lake in April 1983. I have worked in various engineering assistant situations for Cominco at Bensen Lake and Pine Point and chose to prospect and map the various areas I'm in at every opportunity.



# MALASPINA COLLEGE

## Statement of Course Completion

HARVEY WILSON BROWN

has

Successfully Completed 180 Hours of Instruction  
in

MINERAL EXPLORATION FOR PROSPECTORS

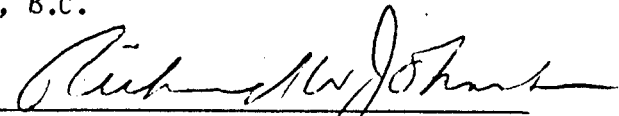
PRESENTED BY B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES  
B.C. MINISTRY OF EDUCATION

APRIL 16 to 30, 1983 - MESACHIE LAKE, B.C.

MAY 2, 1983

Dated at Nanaimo,  
British Columbia, Canada

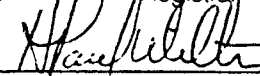




Director / Dean



Registrar



Instructor

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2S3 PH: (604) 986-5211 TELEX: 04-352578  
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604) 251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR SM, MM, FE, CA, P, CR, MG, BA, PD, AL, NA, K, V, PT AND SR. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: NATION RIVER RES. LTD.  
 ATTENTION: COLIN CAMPBELL  
 PROJECT: N/G

REPORT#: 871692PA  
 JOB#: 871692  
 INVOICE#: 871692NA

DATE RECEIVED: 87/11/06  
 DATE COMPLETED: 87/11/10  
 COPY SENT TO:

ANALYST *W. Reeves*

PAGE 1 OF 1

SAMPLE NAME	AG	AL	AS	AU	BA	BI	CA	CO	CR	CU	FE	K	MG	MM	MO	NA	NI	P	PB	PD	PT	SB	SM	SR	U	V	ZN
	PPM	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
BW 1	12.9	.22	5107	ND	13	23	.14	31	25	29732	.79	.02	.07	131	2	1.11	10	.01	61	ND	ND	5683	ND	3	ND	8	1753
BW 2	.4	.37	354	ND	15	ND	.04	22	97	293	3.98	.04	.08	639	5	.23	37	.01	10	ND	ND	153	ND	1	ND	5	202
BW 3	3.0	.18	992	ND	10	13	.10	6	30	5391	.67	.02	.06	74	1	.14	7	.01	8	ND	ND	1333	ND	3	ND	5	202
BW 4	.1	.78	68	ND	18	ND	.04	39	41	125	6.15	.05	.11	1507	2	.33	24	.01	5	ND	ND	61	ND	1	ND	65	46
BW 5	.1	5.66	ND	ND	87	ND	2.74	12	57	75	2.98	.05	.78	597	1	.11	8	.10	9	ND	ND	ND	ND	499	ND	ND	46
BW 6	.5	.78	16	ND	52	ND	.23	7	10	114	2.71	.04	.22	105	ND	.12	7	.03	9	ND	ND	10	ND	93	ND	ND	25
BW 7	.3	.10	11	ND	1158	3	.82	3	116	32	.92	.03	.21	147	2	.06	10	.01	7	ND	ND	12	ND	30	ND	ND	40
BW 8	.1	1.97	16	ND	26	ND	1.37	44	21	38	5.39	.05	1.90	961	1	.42	15	.11	5	ND	ND	ND	ND	23	ND	ND	81
DETECTION LIMIT	.1	.01	3	3	1	3	.01	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

*Handled by W. Brown*



VANGEOCHEM LAB LIMITED

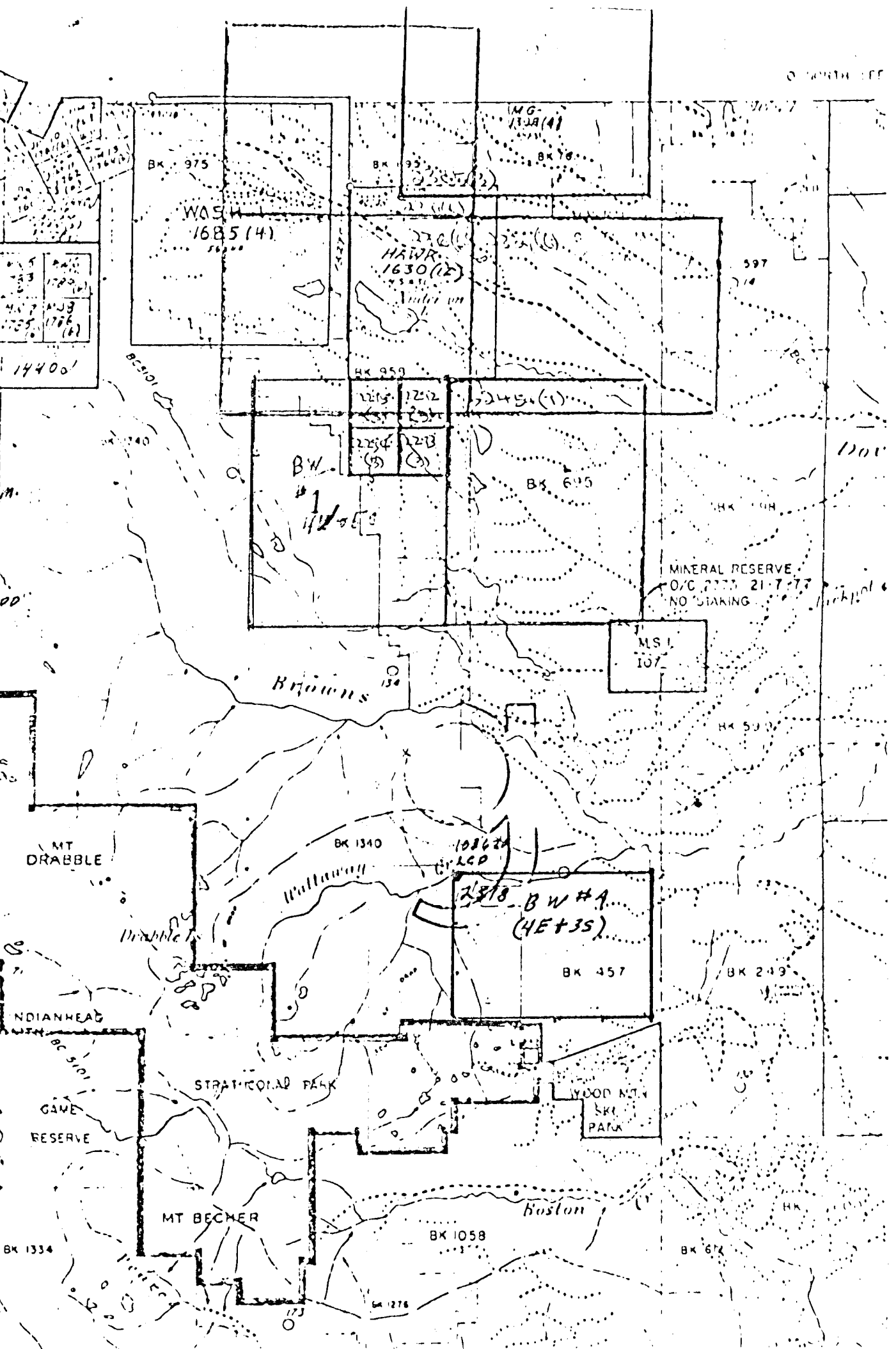
MAIN OFFICE  
 1521 PEMBERTON AVE.  
 NORTH VANCOUVER, B.C. V7P 2S3  
 (604) 986-5211 TELEX: 04-352578

BRANCH OFFICE  
 1630 PANDORA ST.  
 VANCOUVER, B.C. V5L 1L6  
 (604) 251-5656

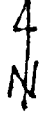
REPORT NUMBER: 871692 6A      JOB NUMBER: 871692      NATION RIVER RESOURCES      PAGE 1 OF 1

SAMPLE #	Au	Hg	
	ppb	ppb	
BW 1	1330	>5000	- 6" silicified & brecciated "cap" + Tetrahedral?
BW 2	130	>5000	- 1 metre below BW 1
BW 3	200	>5000	- Boulders to north.
BW 4	65	1400	- Gouge zone at 5 metres to south.

MOBILE



CLAIM MAP  
OF B.W.#4 CLAIM

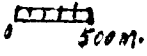


SCALE 1:50,000

Feb 20, 1988

H.W. BROWN

H.W. Brown



MINERAL RESERVE  
O/C 2273 21-7-77  
NO STAKING

MT DRABBLE

INDIANHEAD

GAME RESERVE

MT BECHER

BK 1334

STRATFORD PARK

Brown's

BK 1340

2378 B.W.#4  
(4E+3S)  
BK 457

BK 1058

Boston

WOOD MT. SKI PARK

BK 674

BK 695

MS 107

WASH 1685(4)

HAWK 1630(12)

B.W.#1

1215 1212  
1254 1218

3245(1)

22(11)

32(6)

BK 975

BK 935

BK 78

MG-1328(4)

597  
714

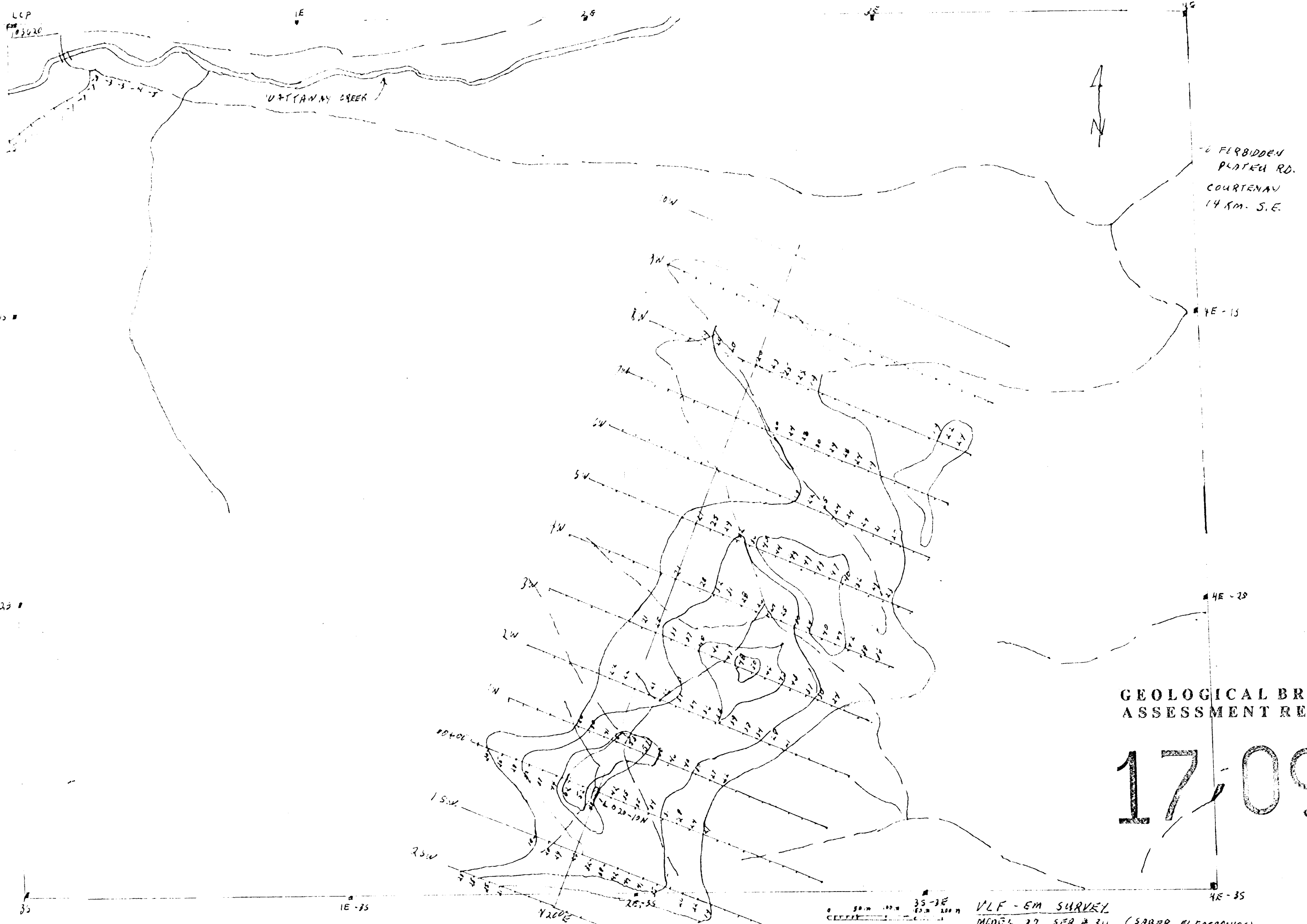
1200

BK 530

BK 249

station	null	null 20ft	Fallen	F.S.	Notes
Line 7W	-6	2	-24	30	
225	-6	2	-19	30	
250	-4	2	-16	30	
275	-3	5	-12	28	
300	-3	5	-10	28	
325	-2	5	-8	25	
350	-2	5	-7	25	
375	-1	5	-6	25	
400	-2	5	-	25	
Oct 19/88					
Line 8W	-2	0	-	25	
200	-1	0	-5	28	
175	-0	2	-6	28	
150	-2	2	-9	26	
125	-3	5	-12	28	
100	-4	5	-14	30	
75	-3	2	-12	30	
50	-4	1	-12	35	
25	-6	2	-12	35	
Dot 800N.	-4	1	-17	30	
25	-3	0	-15	30	
50	-4	1	-12	30	
75	-4	2	-11	30	

Station	mult	mult	with	stand Feet	note
Line 8W.	-1	-2	-10	45	
100	-2	-2	-8	48	
125	-3	-0	-9	50	
150	-2	-0	-8	48	
175	-2	-0	-8	45	
200	-1	-1	-9	40	
225	-3	-5	-7	40	
250	-3	-3	-7	48	
275	-0	-2	-6	48	
300	-1	-2	-7	45	
325	-2	-1	-13	46	
350	-4	-1	-17	40	
375	-6	-1	-15	38	
400	-5	-1	-	35	
Line 9W.	-4	-2	-		
200	-3	-2	-13	35	
175	-2	-1	-12	30	
150	-3	-1	-15	30	
125	-4	-1	-19	28	
100	-6	-1	-20	25	
75	-4	-2	-20	25	
50	-4	-3	-17	27	



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,093

35-38  
 4200E  
 25-35  
 4040E  
 15W  
 25W  
 10W  
 20W  
 30W  
 40W  
 50W  
 60W  
 70W  
 80W  
 90W  
 100W  
 110W  
 120W  
 130W  
 140W  
 150W  
 160W  
 170W  
 180W  
 190W  
 200W  
 210W  
 220W  
 230W  
 240W  
 250W  
 260W  
 270W  
 280W  
 290W  
 300W  
 310W  
 320W  
 330W  
 340W  
 350W  
 360W  
 370W  
 380W  
 390W  
 400W  
 410W  
 420W  
 430W  
 440W  
 450W  
 460W  
 470W  
 480W  
 490W  
 500W  
 510W  
 520W  
 530W  
 540W  
 550W  
 560W  
 570W  
 580W  
 590W  
 600W  
 610W  
 620W  
 630W  
 640W  
 650W  
 660W  
 670W  
 680W  
 690W  
 700W  
 710W  
 720W  
 730W  
 740W  
 750W  
 760W  
 770W  
 780W  
 790W  
 800W  
 810W  
 820W  
 830W  
 840W  
 850W  
 860W  
 870W  
 880W  
 890W  
 900W  
 910W  
 920W  
 930W  
 940W  
 950W  
 960W  
 970W  
 980W  
 990W  
 1000W

VLF - EM SURVEY  
 MODEL 27 SEA # 311 (SABER ELECTRONICS)  
 SEATTLE TRANSMITTER  
 CONTOUR INTERVAL  
 20, -30, -40, -50  
 92 F11/5AST DATA ACQUIRED  
 H.W. BROWN (SABER, D.C. GEOPHYSICS)  
 P. 758-367  
 H.W. BROWN  
 prospector  
 NANTANO MINING DIVISION















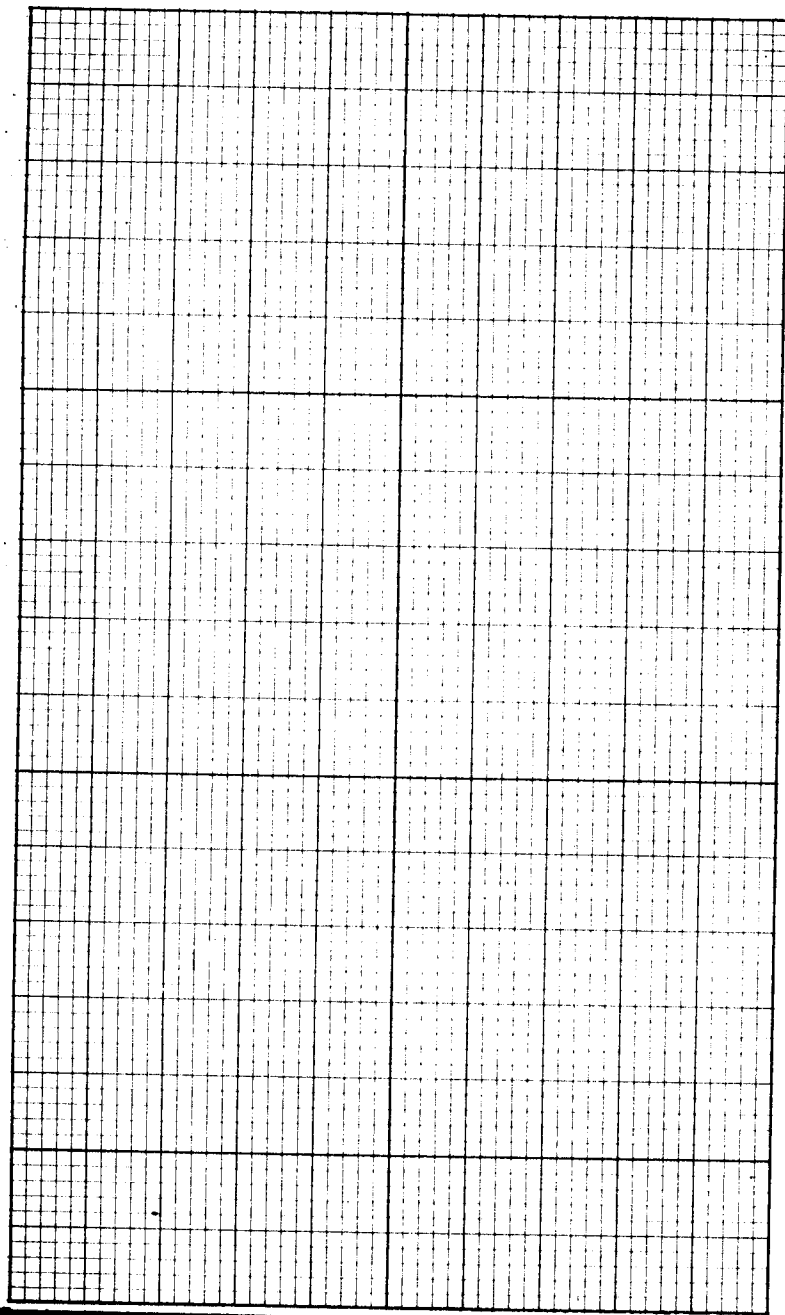








station	mult	mult ref	F <sub>at</sub>	F <sub>o</sub>	notes
300	-5	-2	-24	28	
325	-6	-2	-21	30	
350	-6	-2	-20	30	
375	-4	-0	-19	30	
400	-4	-0	-	30	
Oct 18/87 - cloudy -					
Line 7W.					
200	-2	-5	-	50	
175	-1	-5	-8	50	
150	-2	-5	-10	45	
125	-3	-7	-12	48	
100	-4	-7	-12	50	
75	-3	-8	-11	50	
50	-2	-8	-8	45	
25	-1	-5	-8	45	
00E-700m.-N	-2	-5	-9	40	
25	-3	-10	-12	40	
50	-3	-10	-16	38	
75	-4	-12	-20	40	
100	-6	-8	-24	45	
125	-7	-10	-28	40	
150	-7	-8	-30	40	
175	-8	-8	-28	38	
200	-8	-10	-28	38	





unit #3 - north east line 275m.  
- last 275 m.

(large) 20m+  
Unit - 4 - o/c sample taken at  
~~545~~ 00+40m.

unit 4 - 511 m. - north to IP 25  
03W.

L90 to run north west line unit 4.

Strike slip at 234 (2)

strike 300°

slope encountered at 292 m. west.

Distance along road - 518 m. NW - line #4  
to NW line #1.

Oct 22. sight from showing  
94° E & 12° N  
(south end Cape Lough) (to south end Constitution hill)

Ls from Archean shale  
257° & 306°  
dip and out & mulch dump.

strike N335° W apt.  
dip 48° east into hill.

Archean and  
Banded shale  
on hanging wall  
Archean on footwall  
contact is dacite  
porphyry.

mineral showing only  
in hanging wall  
in contact with dacite  
porphyry.

W strike & dip.

Ls from Archer  
252° & 306°  
dip 18° & 19°

Strike N335° W  
dip 18°

Line 1 at 87 m. E.

Line 5 - 64 m from Line 4.

✓ - MLX Pol # at 450 m.

walk lake road

00+ 574 m. to line from 384 W

to ~~sum~~ of XL Road 43 m.

146 m from 3584 W - west line

to line # 4.

Line 5 at 604 N

Line 2 - 56 m. +

Line 4 - 150 m.

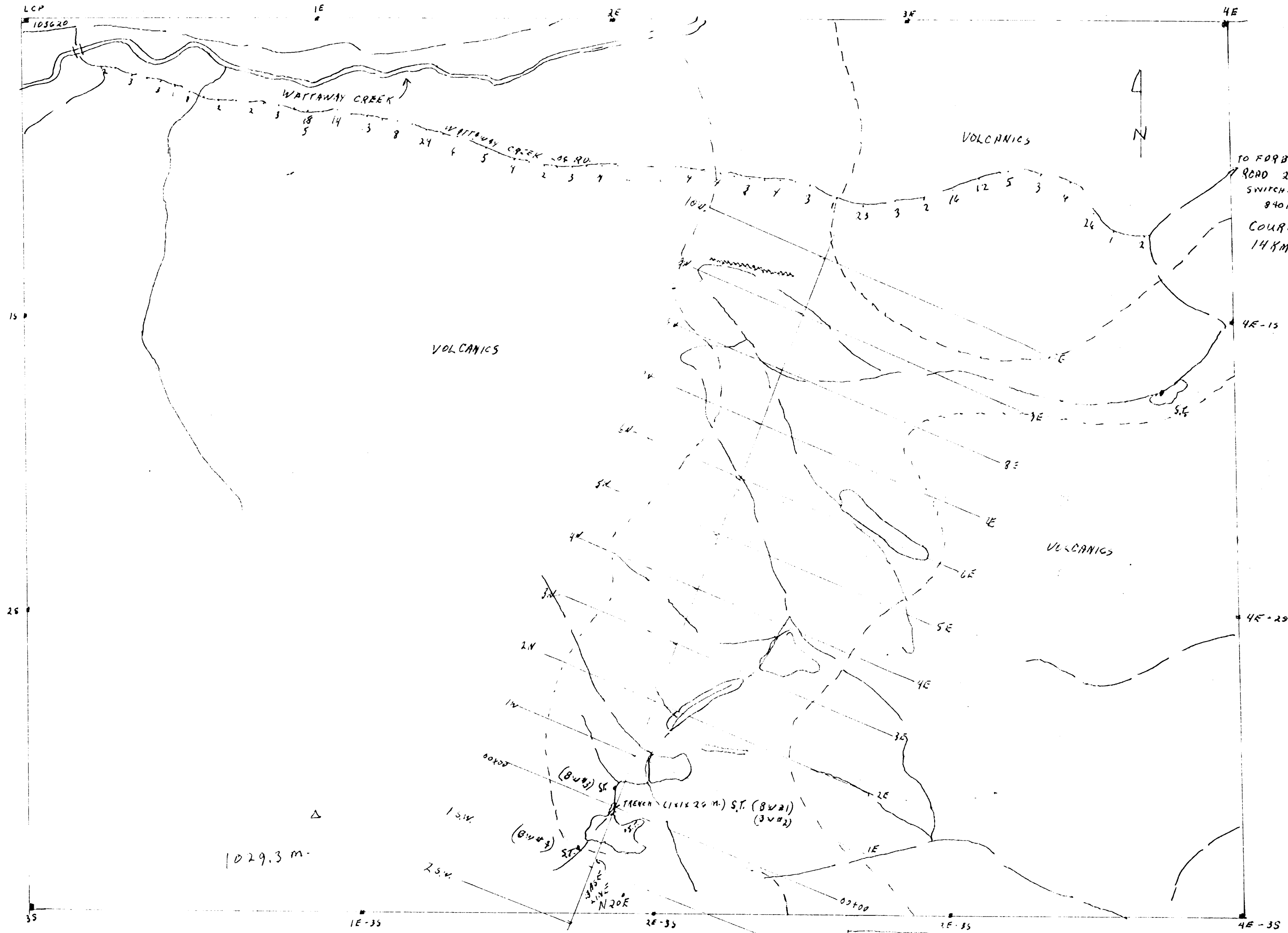
Line 2 + 11 m? - crossed lines at 288 m  
unit 578 m.

Line 2 - 575

Line 3 - 513

Line 4 - 578

L-020-10N strike & dip.



TO FORBIDDEN PLATEAU  
 ROAD 2 ND.  
 SWITCH-BACK  
 840M - EAST.  
 COURTENAY  
 14 KM. - S.E.

1029.3 m.

TRENCH ELV. - 810M.  
 SHEAR ZONE ELV. - 480M.

MINING CLAIM - RECORD NUMBER - 2578  
 B.W. 24 - FORBIDDEN PLATEAU.

MANITOBA MINING DIVISION  
 SCALE 1:5000  
 NTS 92/1/E  
 FEB 12, 87  
 H.W. BRADY

James V. Brown - Prospector

GEOLOGICAL, ASSAY & SAMPLE & OUTCROP MAP

- LOGGING ROAD OR SKIDDER TRAIL (4x4) SOMETIMES
- SAMPLE TAKEN
- SHEAR ZONE
- VEN SYSTEM
- CARBONATE PRECIPITATION ZONES FOUND
- CONTACT ASSUMED

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

17,093



BW #4 Oct 13  
 Stations null null Filler Field strength Notes

Stations	null	null setting	Filler	Field strength	Notes
325	-3	-1	-12	50	
350	-3	-1	-11	55	
375	-2	-0	-8	45	
400 m	-3	-2	/	45	

Line 00+00 gain .010  
 Oct 14 / cloudy

Stations	null	null setting	Filler	Field strength	Notes
200 m	-3	-2	-13	50	
175	-4	-1	-20	30	
150	-6	-2	-25	25	
125	-7	-1	-28	30	
100	-8	-0	-32	35	
75	-7	-2	-37	30	
50	-10	-1	-44	38	
25	-12	-3	-52	44	
00+00	-15	-1	-52	45	
25	-15	-5	-48	42	
50	-10	-7	-42	41	
75	-8	-2	-35	45	
100	-9	-1	-35	48	
125	-8	-2	-34	48	
150	-10	-3	-31	48	
175	-7	-4	-28	50	
200	-6	-4	-24	50	













	mill. setting	mill	Fiber	F.S.	
1025	5	+1	0	20	cross -over
1000	5	0	0	25	
975	5	0	-3	30	
950	10	-1	-5	35	
925	10	-2	-6	20	
900	5	-2	-7	30	
875	10	-1	-6	30	
850	10	-2	-7	30	
825	10	-1	-7	30	
800	15	-3	-6	25	
775	10	-1	-6	30	
750	15	-1	-3	25	
725	15	-1	-3	30	
700	10	0	-3	30	
675	20	-1	-3	25	
650	20	-1	-4	30	
625	20	-1	-5	30	
600	20	-1	-5	30	
575	20	-2	-4	30	
550	15	-1	-5	30	
525	10	-0	-4	25	
500	15	-2	-5	25	
475	10	-1	-7	25	
450	5	-2	-7	25	
425	7	-2	-7	30	
400	7	-2	-6	30	

July 31 / ~~Soil~~ sample  
 every 50 meters along  
 Juncan main  
 arsenopyrite found  
 in black shales at  
 800 M white digging  
 hole for "B" horizon.

Aug 2/87  
 road #10 - 3Wax found.  
 samples every 50 meters.

~~arsenopyrite~~ biotite granite  
 lat 1150 N granite  
 5 M - W outcrop. sample taken

Oct 11 / Sunday  
east of top logging trail.  
brg.  $310^\circ$  + line to intersect  
showing.  
deep 5m creek bushy dry  
Brg  $40^\circ$  NE. at 80m.  
seep at 150m.  
small creek bed 186m  
222m. to washout trail to showing.

$200^\circ$  South at showing  
into timber at  $290^\circ$   
cut off at 300m. south  
at angle to line at 300m.  
last heading  $110^\circ$   
slope  $L 10^\circ$  - South on baseline  
slope  $L 10^\circ$  - east on one side.  
set again to 0 at 00+100 E-1E  
1 E. cut off 400m. E.  
200m to

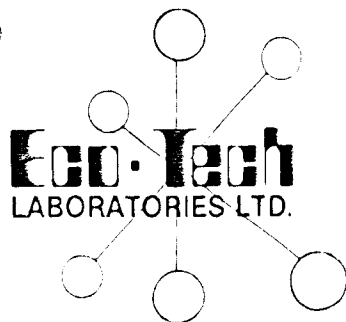
$20^\circ$  N to 2E - 100m. - (122 actual)  
Bearing  $290^\circ$  to Baseline  
o/c in rd. Strike  $240^\circ$  W  
2E at 385m at Base line

North Base line cut off  
at 100m. North from showing  
Bearing  $020^\circ$  N.

Oct 12 crossed line  
at 241 W ~~cut~~ west of  
4E & 2W I.P.  
00 + 200 N to find next 100m  
43m at 400m. BRG  $290^\circ$  (2E)  
110 Brg cut off at 104 intersect  
{ BRG  $20^\circ$  N - } Boundary  
{ 400m - East 3 } line.

Baseline start at 00+100m N  
 $20^\circ$  E ribbon every 25m.  
cut off at 1000 cliffs too high  
10m+ to ascend.

at washaway creek L.R.  
cut at 100m station not marked.  
measure to creek road washout  
200m. to creek.



ENVIRONMENTAL TESTING  
 GEOCHEMISTRY  
 ANALYTICAL CHEMISTRY  
 ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700  
 Telex: 048-8396

November 17, 1987

CERTIFICATE OF ANALYSIS ETK 87-632

CLIENT: Mr. Harvey W. Brown  
 3351 Crescent Street  
 DUMBERLAND, B.C.  
 V0R 1S0

SAMPLE IDENTIFICATION: 64 soil samples received November 2, 1987

<u>ET#</u>	<u>Description</u>	<u>As (ppm)</u>
632 - 1	ML 00+ 00	12
632 - 2	ML 00+ 50	15
632 - 3	ML 00+ 100	9
632 - 4	ML 00+ 150	8
632 - 5	ML 00+ 200	11
632 - 6	ML 00+ 250	12
632 - 7	ML 00+ 300	10
632 - 8	ML 00+ 350	8
632 - 9	ML 00+ 400	7
632 - 10	ML 00+ 450	6
632 - 11	ML 00+ 500	11
632 - 12	ML 00+ 550	4
632 - 13	ML 00+ 600	7
632 - 14	ML 00+ 650	6
632 - 15	ML 00+ 700	10
632 - 16	ML 00+ 750	8
632 - 17	ML 00+ 800	14
632 - 18	ML 00+ 850	11
632 - 19	ML 00+ 950	10
632 - 20	ML 00+ 1000	12



Mr. Harvey W. Brown

November 17, 1987

<u>ET#</u>	<u>Description</u>	<u>As (ppm)</u>
632 - 56	00+ 1400	14
632 - 57	00+ 1450	5
632 - 58	00+ 1500	3
632 - 59	00+ 1550	2
632 - 60	00+ 1600	2
632 - 61	00+ 1650	1
632 - 62	00+ 1700	2
632 - 63	00+ 1750	3
632 - 64	00+ 1800	2

S. Benischek  
ECO-TECH LABORATORIES LTD.

Sanja P. Benischek  
E.C. Certified Assayer

SE/jmb



208 13/88

Station	null	null set	F. 8	F. 9	notes
Line 9W					
25	-4	-0	-16	40	
00 + 900N	-3	-1	-20	40	
25	-6	-1	-23	40	
50	-7	-1	-25	40	
75	-7	-2	-23	40	
100	-5	-2	-19	45	
125	-4	-2	-14	42	
150	-3	-1	-12	41	
175	-2	-2	-10	40	
200	-3	-3	-8	38	
225	-2	-2	-8	38	
250	-1	-3	-8	35	
275	-2	-1	-10	35	
300	-3	-2	-15	30	
325	-4	-1	-19	30	
350	-4	-1	-22	28	
375	-4	-2	-24	30	
400	-6	-2	-	30	

July 27 '87 BW #4

# 62656 sample well silicified

62657 alteration of cherty  
siltstone

echalite gone.

vents for Volcanoes.

62661 outcrop  
silicified breccia

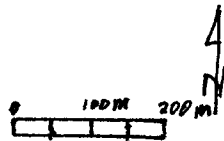
35 ppb. Au.

↓ 020-10N outcrop strike & dip.

July 5 - cloud & fog walked in from  
Plateau road to 1550 m west  
on log A. sample # 20 m west  
on road taken (carbonate quartz epidote  
and alluvial line  
on log road = 1 above  
line is 96 m. 240 m west.

Roberts line 172 m N of 45 to 35.

ES line 712 m to 90% of telephone  
poles entrance of log grade &  
switchback of Plateau road.



Scale 1:20,000

92F/11

(92F-065)

5504000

20 METER CONTOUR

Feb 18-88

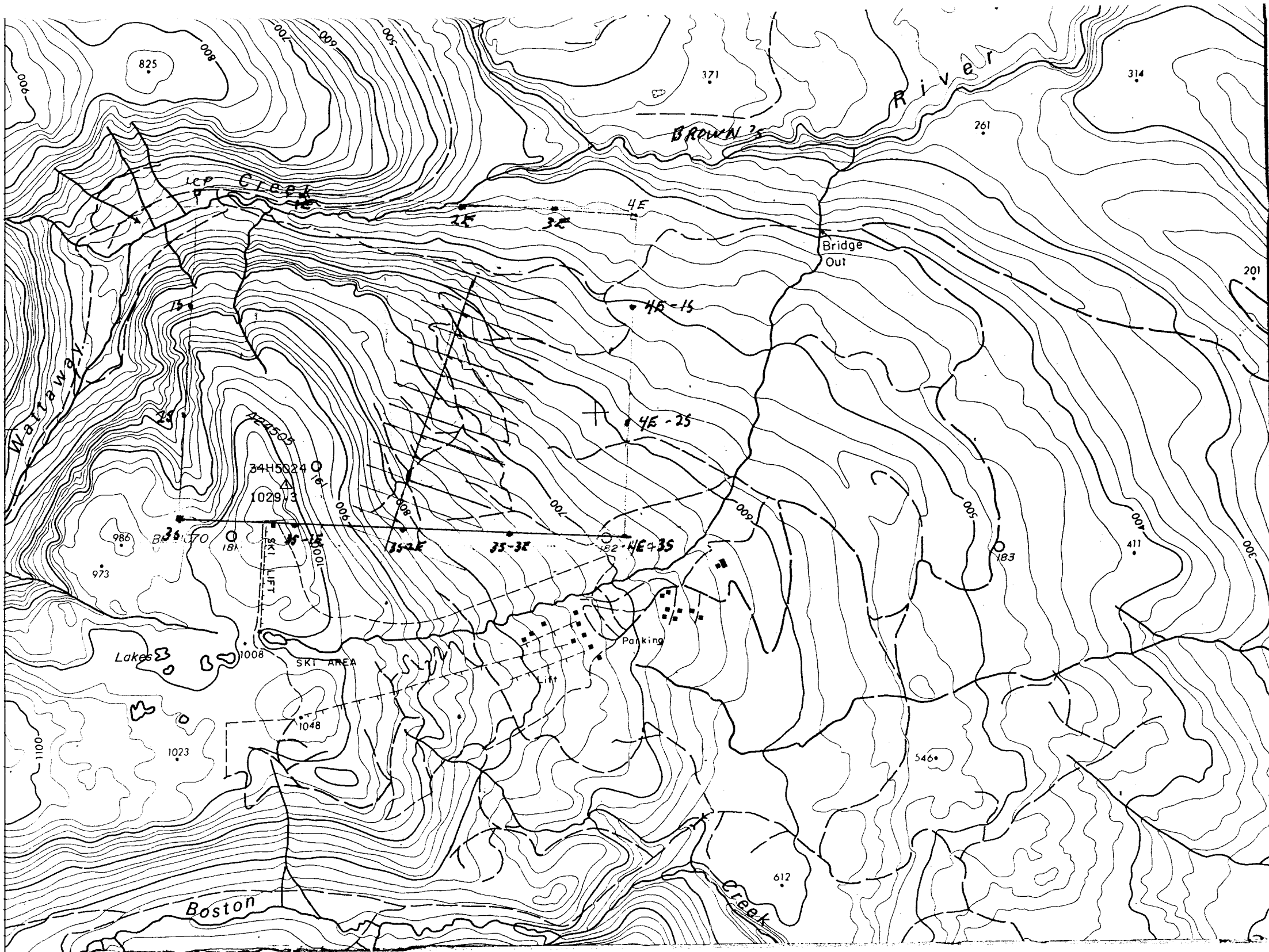
BW #4 MINING CLAIM

FORBIDDEN PLATEAU

AREA

H.W. BROWN

Harvey W. Brown



92F-064