THE KUSP PROPERTY

Slocan Mining Division
82K-4E
Kusp 1, Nak 1-8, Naku 1 Claims

for

ADASTRAL RESOURCES LTD.

by
J. R. Woodcock
August 19, 1988

JRW

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

THE KUSP PROPERTY

SUMMARY

The Kusp property lies in the Slocan Mining Division about 17 kilometers southeast of Nakusp. Although the claim block extends from the highway on the north to logging roads on the south (at the top of the ridge), access to the Discovery area at present is by helicopter.

In 1977 J. R. Woodcock discovered the Kusp mineralized zone and in 1978 he mapped the zone, did geophysical and geochemical work, and a limited amount of drilling (308 meters). In 1987 Adastral Resources acquired the property and extended the geochemical and VLF-EM survey.

The mountain block which hosts the mineralized zone is composed largely of pyroclastic rocks, mainly tuffs, which have in the past been assigned to the Slocan Group with age Jurassic to Triassic. The overall structure is an overturned anticline with both limbs dipping to the southwest. Along the northeast limb is a horizon of white weathering volcanic tuffs which is highly pyritic in places. Stratigraphically underlying, but structurally overlying this white pyrite tuff is a bed at least 30 meters thick which contains disseminated sulphides and small bands of massive sulphides including pyrite, galena, and sphalerite. This complete zone of over 30 meters is highly anomalous in Cu, Pb, Zn, and Ag.

The 1978 work showed highly anomalous geochemical values, both in the soil and especially in the silts in the Discovery area. Such values have been enhanced by the disseminated nature of the mineralization and by the subsequent rock slide which has permitted weathering agents to accelerate the release of the metals.

The VLF-EM work of 1988 shows an anomaly that extends for more than 1200 meters and includes the rock slide and mineralized zone studied in 1978. Lying along this VLF-EM anomaly are some zones of white bleached rock ("kill zones") and also intermittent anomalous values in Cu, Pb, Zn, Ag, and Mn.

The writer has recommended some field investigation of these anomalies before planning further exploration work.

INTRODUCTION

In the summer of 1977, J. R. Woodcock observed a large gossan zone and associated bleached areas during an aerial reconnaissance. Silt samples taken along the foot of the steep mountain slope from the creeks draining this gossan area yielded some highly anomalous values in copper, lead, and zinc. The Kusp claims were staked to cover the anomalous drainages and their source area.

In 1978, Dome Exploration (Canada) Ltd. and Ranworth Explorations Ltd. optioned the property. The 1978 work included a detailed examination of the main zone of interest including geological, geophysical, and geochemical work. This was followed by a limited drill program in which the main anomalous target was tested with 1012 feet (308 meters) of diamond drilling.

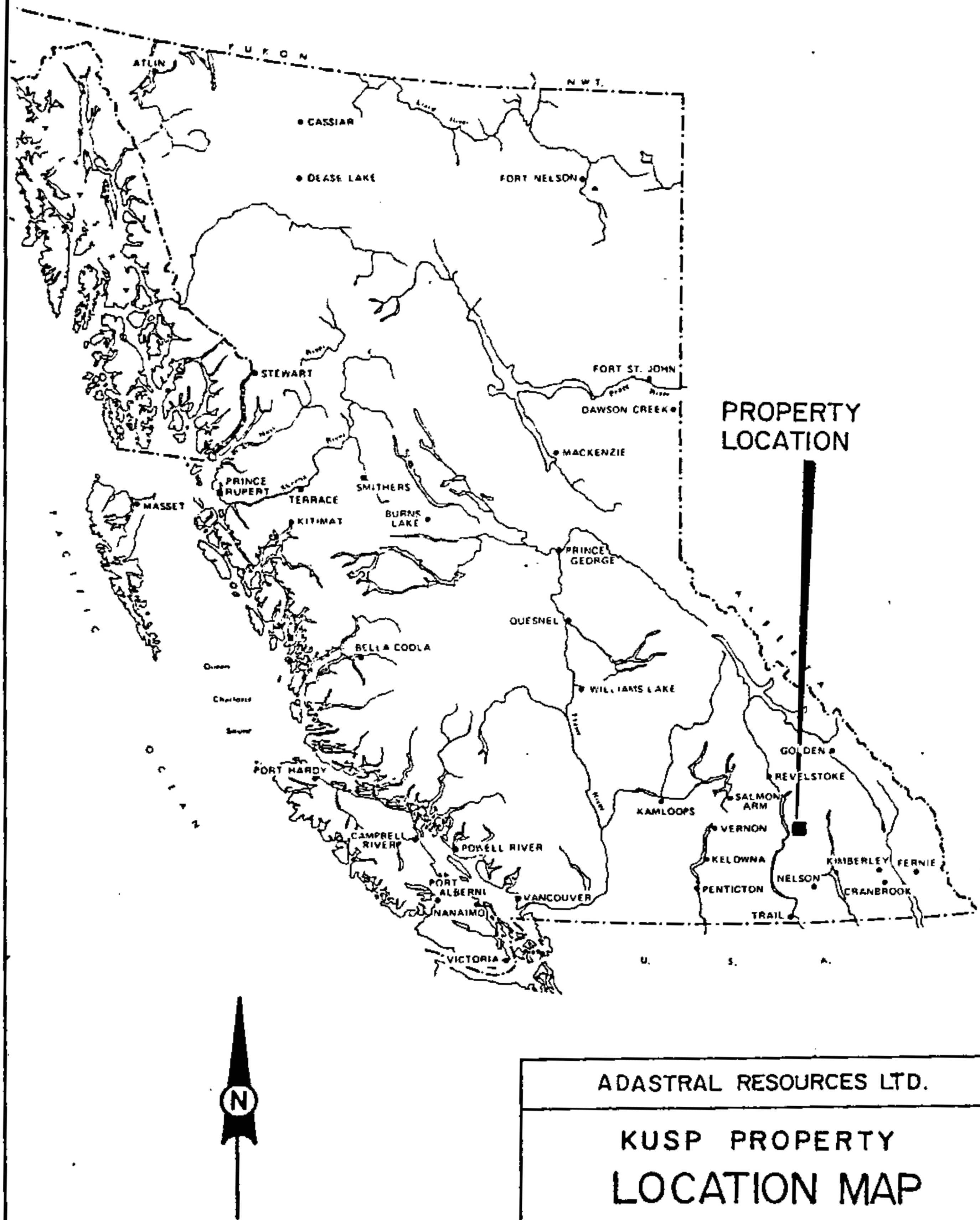
In 1979 work consisted primarily of geological mapping along and adjacent to the Kusp claim block. The geological mapping permitted a classification of rock types and units and the mapping of the main geological structures.

In 1987 the property was sold to Adastral Resources Ltd. and in July of 1988 a two-man crew completed a more extensive program of soil geochemistry and VLF-EM work. This new grid covered and extended beyond the small original grid of 1978. This present report discusses the results of the latest geochemical-geophysical surveys.

LOCATION AND ACCESS

The Kusp property is at latitude 50° 08.5' N, longitude 117° 36.5' W, on Map Sheet 82K-4E. Summit Lake, which lies along the valley of Bonanza Creek, is just north of the property. Nakusp is 17 kilometers northwest of Summit Lake and a helicopter is based at Nakusp.

The claims extend from the bottom of the valley of Bonanza Creek southward up the steep slopes to the top of some very rugged mountains (Rugged Peak, Big Sister Mountain). Over a horizontal distance of 2.8 kilometers, elevations rise from 830 meters at Bonanza Creek to 2670 meters at the highest peaks. Slopes on the south side of the rugged mountains are less steep and are drained by McDonald Creek.



ADASTRAL RESOURCES LTD.

KUSP PROPERTY

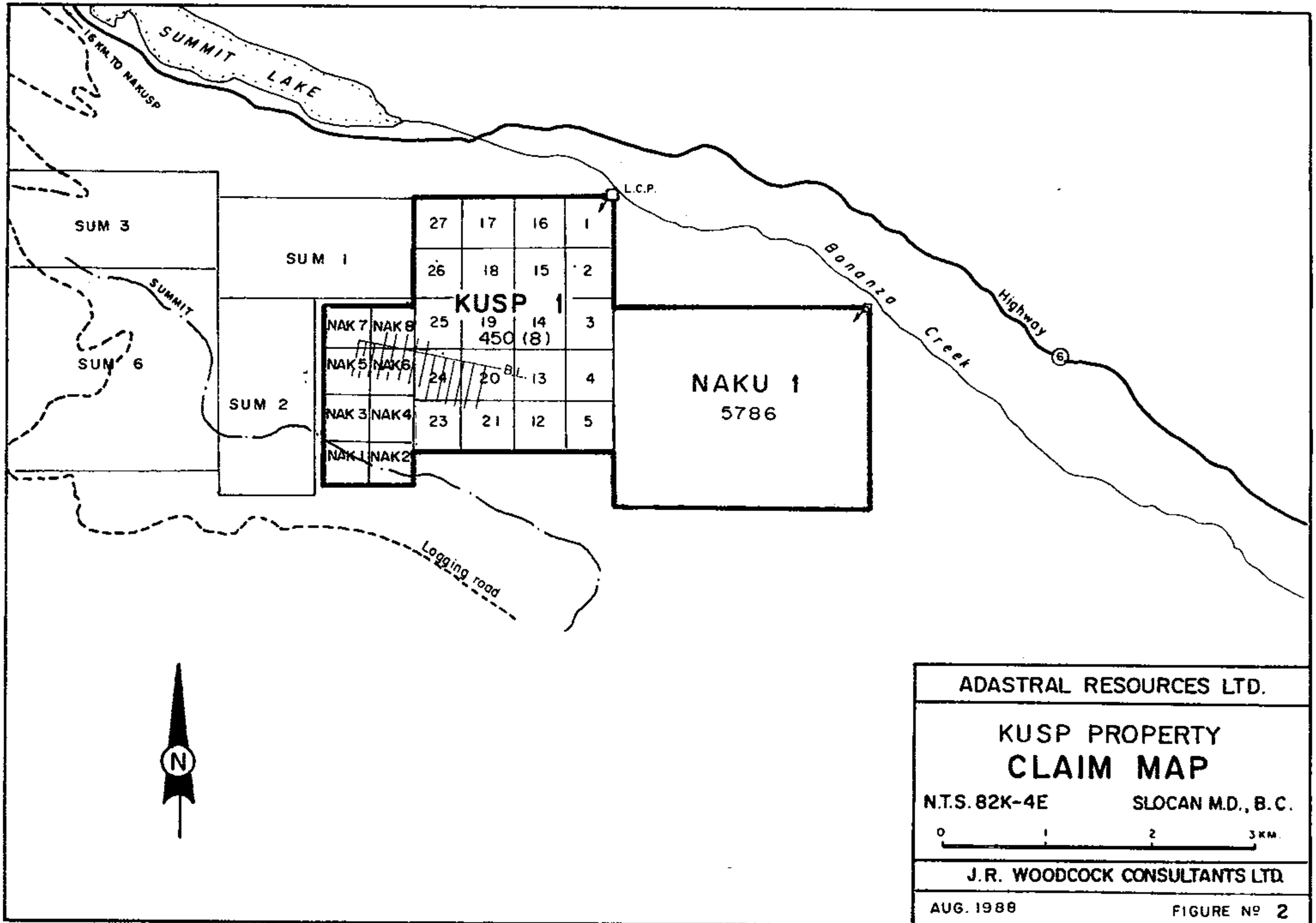
LOCATION MAP

0 100 200 400 KM.

J. R. WOODCOCK CONSULTANTS LTD.

APRIL 1987 FIGURE Nº 1

CHONG


SUMMIT LAKE
16 KM. TO NAKUSP
SUM 3
SUM 1
SUM 6
SUM 2
SUMMIT
L.C.P.
27
17
16
1
26
18
15
2
KUSP 1
25
19
14
3
450 (8)
NAK 7
NAK 8
NAK 5
NAK 6
24
20
B.L.
13
4
NAK 3
NAK 4
23
21
12
5
NAK 1
NAK 2
NAKU 1
5786
Bonanza Creek
Highway
6
Logging road
N
ADASTRAL RESOURCES LTD.
KUSP PROPERTY
CLAIM MAP
N.T.S. 82K-4E
SLOCAN M.D., B.C.
0
1
2
3 KM.
J.R. WOODCOCK CONSULTANTS LTD.
AUG. 1988
FIGURE Nº 2

CHONG

The very steep north-facing slopes have been subjected to a severe forest fire and almost complete burn. Subsequently a dense growth of brush and young evergreen trees has returned, making access up the steep slopes very difficult. The tops of the peaks, however, are above timber line.

Outcrops are abundant at the tops of the rugged peaks and in the heads of all of the cirques which drain northward through various small streams into Bonanza Creek. On the forest covered slopes, however, outcrops are mainly restricted to the creek beds and also in places on the steep interfluvial areas.

Logging roads have been placed in the area west of the Kusp claim group and these, along with fire access roads, extend to the ridge top which lies just south of the property. Although these logging roads are accessible with a two-wheeled vehicle throughout the summer months, the intervening area between the logging roads and the old drill sites and showings is quite steep and would entail some work for a road connection. In addition to the logging access roads, major highways and a railway lie along Bonanza Creek just north of the property.

CLAIMS AND OWNERSHIP

The Kusp property includes two 20-unit grid claims and eight 2-post claims. These claims, belonging to Adastral Resources Ltd., are held in the name of John R. Woodcock. The claim data is presented in Table I.

TABLE I

CLAIM DATA

Name	Tag No.	Record No.	No. of Units	Record Date
Kusp 1	12052	450	20	August 9, 1977
Nak 1	499023M	5418	1	July 31, 1987
2	499024M	5419	1	July 31, 1987
3	499025M	5420	1	July 31, 1987
4	499026M	5421	1	July 31, 1987
5	499027M	5422	1	July 31, 1987
6	499028M	5423	1	July 31, 1987
7	499029M	5424	1	July 31, 1987
8	499030M	5425	1	July 31, 1987
Naku 1	64989	5786	20	July 29, 1988

GENERAL GEOLOGY

The mountains south of Summit Lake owe their high and rugged topography to the resistant volcanic rocks which underlie this part of the Lardeau Map Sheet. Geological Survey maps (Hyndman, 1968 and Reid, 1976) show an area eight miles (13 km) long and up to two miles (3.2 km) wide underlain by the volcanic rocks that form the backbone of these rugged mountains. These geologists have assigned the volcanic rocks to the Slocan Group (Triassic to Lower Jurassic), which generally includes augite metabasalt and andesite flows and tuffs. Surrounding this volcanic group are some sedimentary rocks also included in the Slocan Group and presumably underlying the volcanic rocks. These include the grey to black phyllite, argillite, quartzite and minor tuffaceous sediments near the top. In order to get an elliptical outline to the volcanic area (terminating at both ends) the geologists have suggested a possible synclinal structure.

Woodcock, as a result of his mapping, has suggested that this is a basin of volcanic deposition and this volcanic pile has subsequently been thrust into a southerly dipping overturned anticline. Attitudes in the mapped area show a strike averaging about 100^{o} azimuth and moderate to steep dips southwest.

Drastic lateral facies changes occur in the coarse clastic and the pyroclastic units of this belt and some of the coarse clastic units disappear to the west where finer-grained equivalent units are exposed. The distribution of the rock units of the central belt including their interfingering and their drastic lateral facies changes suggest that these volcanic and sedimentary rocks were deposited in a basin or along the edge of a basin and that the basin extends westerly from the source area.

With his mapping, Woodcock has divided the sequence into seven units, most of which are a variety of pyroclastics but also include some coarse clastic sediments such as grits, greywacke and conglomerates. Most of the boulders and cobbles within the conglomerate are angular to sub angular.

One of the units within this group is a bleached white tuff which occurs adjacent to the mineralized tuffs along the main geochemical-geophysical anomaly. In the main part of the anomaly where the original drilling has been done this white tuff has abundant disseminated pyrite. It weathers to a white sticky clay in which most of the limonite has been leached out, leaving in places some yellow jarosite. This tuff stratigraphically overlies the carbonate-rich grey clastic which contains pyrite and traces of base metals and silver. Because it is on the overturned limb of the anticline the white tuff structurally underlies the carbonate-rich pyritic tuff.

Interpretation of graded bedding and of cross bedding found in various places shows that the structure is anticlinal and overturned and that the exposures of white tuff along the geophysical anomalies are actually on the overturned limb of the anticline.

Rock slides occur in a number of places. At the Discovery a hummocky topography, including a little closed basin has resulted from a rock slide. Similar features also occur along the white tuff horizon in several other places.

GEOPHYSICAL WORK

The VLF-EM results for the 1988 work have been adjusted with a Fraser-filter technique and the contoured results are plotted on Figure 7. The field data is given in Appendix I. These show an anomaly that extends across the map area for about 1200 meters, is open at both ends, with increasing strength to the west. The four short cross lines of VLF-EM work done in 1987 would be between 2 + 00 E and 0 + 60 W on the present grid, in an area of somewhat reduced response.

The strata in the area strike parallel to the base line and dip 60° to 80° southerly. In 1978 the geophysical anomaly was interpreted to reflect the highly pyritiferous white tuff or the contact thereof. Superimposed on and covering this contact is a gravity slide which has moved the white tuff to its present exposed position (the so-called "kill zone") and also the stratified tuffs lying in a continuous outcrop immediately south of this "kill zone". The full extent of this gravity slide was not recognized early in the 1978 drill program and so the No. 1 drill hole passed through strata lying structurally below the mineralized strata. The No. 3 and No. 4 holes, however, passed through about 100 feet of the rock debris before intersecting about 100 feet of highly anomalous mineralized carbonate-rich tuff which is structurally underlain by the pyritic white tuff.

The locations of these drill holes are shown on the sample location map (Figure 3). A comparison of the location of these drill holes with the new VLF-EM survey indicates that the zone investigated in 1978 lies adjacent to a subdued portion of the VLF-EM anomaly. Two peaks occur along this anomaly, one on L 3 + 00 W and one on L 7 + 00 W.

Additional smaller VLF-EM anomalies occur in the southeast part of the grid. The reason for these is not clear; however some of it may be related to the black slaty rocks that occur in this part of the property.

GEOCHEMISTRY

General

A base line 120 meters long with 7200 meters of cross lines at 100-meter intervals has been flagged on the property. The base line is cleared and picketed; however the cross lines have only been flagged. 340 soil samples were taken from the B-horizon at 15 cm along the cross lines at 20-meter intervals. These samples were submitted to Min-En Laboratories Ltd. for analyses of Cu, Mn, Ag, As, Pb, Zn and the results are plotted on Figures 4, 5, and 6 with two metals per map.

The magnitude of geochemical results may not necessarily be directly proportional to the grade of any mineralization. The rock slide at the Discovery area has exposed the widespread disseminated mineralization to the weathering elements and has thus enhanced the geochemical responses in the soils and especially in the silts draining the rock slide. Another factor which must be considered is the greater response from disseminated and mineralized pyritic zones than generally found from massive sulphide zones.

Lead in Soil

The highest lead responses are found along lines 1 + 00 E to 3 + 00 E adjacent to the base line. This is in the area of the rock slide and in the target drilled in 1978. Other high values are found on L 2 + 00 W and this correlates with a stronger EM anomaly in this area. Other high values are scattered along the extent of the main EM anomaly.

Silver in Soil

Silver values shown on Figure 5 indicate a very high background in the pyroclastic sequence. Values over 3 ppm appear to be significant and these are scattered along the EM anomaly with values as high as 24.4 ppm in the rock slide area of the Discovery target.

Zinc in Soil

Zinc geochemistry also follows the lead geochemistry in parts of the property, especially in the slide area of the Discovery. High values are also found in places along the remainder of the main EM anomaly although they do not form a continuous pattern. Another zone of somewhat high zinc values (>200 ppm) occurs in the southeast part of the grid and corresponds to some extent with one of the EM anomalies in this part of the grid. It could be due to the black slaty rocks.

Manganese in Soil

Manganese is plotted along with copper on Figure 6. There are two anomalous zones on the manganese map. The northern zone with the highest values corresponds to the lead anomalies of the slide area but extends further westward to include some very high EM response along L 00 at the base line. Other scattered highs occur further west along the EM anomaly.

Another zone of high manganese values occurs in the southeast part of the grid area. It corresponds to, but is larger than, the zinc anomaly. The two southern EM anomalies on lines 400 E and 500 E correlate with the northern and southern boundaries of the manganese anomaly. Thus the high manganese values, the high zinc values and the EM response in this area may be due to some graphitic material in the black slates.

Copper in Soil

The highest copper values correspond to the Discovery area, especially in the slide but also extend somewhat south of the slide area and the mineralized zone. Other scattered highs do occur along the northern geophysical anomaly.

Scattered somewhat high values (> 100 ppm) are scattered through the grid. These also indicate an unusually high background for this pyroclastic pile.

Arsenic in Soil

A number of somewhat high arsenic values (25 to 50 ppm) are scattered throughout the grid area and probably do not indicate too much of significance except that the pyroclastic pile has somewhat high background in arsenic. However, concentrations of these higher values do occur along and adjacent to the northern EM anomaly.

CONCLUSIONS AND RECOMMENDATIONS

1. The geophysical work has been very successful in tracing a mineral potential horizon along the whole of the grid area and indicates that it continues westward. In a few places along this zone, the response is much stronger than that obtained over the the Discovery area.

2. Scattered along the EM anomaly are discontinuous but anomalous geochemical values which may show up on one or more adjacent lines. All of the metals tested are higher or anomalous along this zone; however the highest values do correspond to the slide debris in the Discovery area.

3. Some field investigation is now needed to determine the cause of the EM anomaly west from the Discovery area, especially in those places where anomalous geochemical values correlate.

J. R. Woodcock, P. Eng.

JRW:me

KUSP PROPERTY COSTS

Fees

J. R. Woodcock:			
June 4 - July 7			
Compile data, organize crew	1 1/4 days		
June 29			
Visit property	1 day		
Aug. 7, 16, 17, 18			
Work on report	1 1/2 days		
	3 3/4 days @ $400	$1,500.00	
Mark Kilby:			
July 4 - 25	21 days @ $130		
R. Hamilton:			
July 4 - 25	20 1/2 days @ $120	5,190.00	
Fringe benefits & overhead (Kilby & Hamilton)		1,297.50	
M. Earnshaw (typing and report)	2 3/4 hrs. @ $18	49.50	
Sub Total - Fees			$ 8,037.00

Miscellaneous

Equipment rentals - (EM, camp equip.)	1,136.00
Travel, Transportation	1,068.85
Supplies, Food, Accommodation	1,251.42
Drafting and Reproduction	493.88
Highland Helicopters	690.00
Geochemical Analyses	2,052.00
Total	$14,729.15

APPENDIX I

FIELD DATA FOR VLF-EM SURVEY

Field Data for VLF-EM Survey

The VLF-EM survey was done with a Phoenix VLF-2 instrument, using the transmitter at Culter, Maine with readings taken at 20-meter intervals and operator facing west.

Fraser-filter readings are obtained for sites between stations by:

(a) add values on both adjacent stations to get intermediate values

(b) subtract intermediate value to south from intermediate value to north.

Station	Topo Slope	Field Strength	Horiz.	Dip	Fraser Filter	
LINE 5W						
100N	-19	.20	1.7	22		
80N	-15	.20	1.6	31	53	
60N	-14	.35	1.43	16	47	6
40N	+ 4	.30	2.05	31	47	-10
20N	+14	.32	2.1	26	57	4
0	+10	.34	2.2	17	43	12
20S	+25	.30	2.2	28	45	-10
40S	+15	.30	2.5	25	53	5
60S	+29	.31	3.4	15	40	31
80S	+15	.3	4.1	7	22	25
100S	+ 2	.48	3.6	8	15	- 1
120S	+ 5	.42	3.2	15	23	-17
140S	-25	.43	3.8	17	32	- 2
160S	-23	.43	4.3	8	25	+19
180S	-18	.3	4.1	5	13	10
200S	-19	.35	3.6	10	15	- 5
220S	-18	.3	3.6	8	18	- 4
240S	-25	.35	3.5	11	19	- 9
260S	-30	.4	3.6	16	27	6
280S	-21	.3	3.5	17	13	0
300S	-12	.3	3.8	15	17	-13
320S	- 8	.25	3.4	11	26	8
340S	-10	.3	3.8	8	19	5
360S	-14	.5	3.8	13	21	- 6
380S	-21	.32	3.7	12	25	- 4
400S	- 8	.3	3.9	13	25	- 1
420S	- 3	.20	3.8	13	26	1
440S	0	.35	3.8	11	24	7
460S	0	.35	3.8	8	19	9
480S	0	.4	2.9	+ 7	15	
500S	in lake				lake at 485	
LINE 4W						
100N	cliff at 78N					
80N	-19	.13	1.5	36		
60N	-23	.2	1.7	29	65	
40N	-22	.30	1.9	33	62	- 6
20N	-30	.6	4.8	38	71	1
0	-33	.15	4.3	23	61	30
20S	-26	.08	4.9	18	41	25
40S	-34	.2	2.5	18	36	15
60S	0	.3	3.1	8	26	21
80S	0	.25	2.9	7	15	12
100S	0	.05	1.3	7	14	1
120S	+ 3	.36	2.5	7	14	- 1
140S	-10	.33	3.2	8	15	- 3
160S	+ 2	.31	2.9	9	17	- 3
					18	0

180S	-10	.30	2.8	9		
200S	-19	.32	2.9	8	17	4
220S	-10	.48	3.1	6	14	5
240S	- 9	.40	0.7	6	12	2
260S	-12	.1	.9	6	12	- 2
280S	-17	.1	1.0	8	14	-10
300S	-11	.1	1.1	14	22	- 5
320S	-21	.1	1.1	5	19	4
340S	0	.07	1.1	13	18	- 4
360S	-22	.09	1.0	10	23	1
380S	-24	.12	1.1	7	17	3
400S	-18	.1	1.1	13	20	-13
420S	-19	.09	1.2	17	30	-15
440S	+ 4	.09	1.2	18	35	5
460S	0	.08	1.2	7	25	17
480S	0	.07	1.3	10	17	6
500S		.09	1.3	9	19	
					on edge of boulder field above lake	

<u>LINE 3W</u>

100N	cliff					
80N	49	.08	.9	40		
60N	51	.08	.7	55	95	
40N	37	.2	.9	52	107	5
20N	33	.11	1.2	38	90	53
BL 00S	33	.17	1.5	16	54	69
20S	48	.2	1.4	5	21	43
40S	41	.21	1.4	6	11	9
60S	50	.2	1.3	6	12	- 1
80S	45	.18	1.3	6	12	2
100S	28	.11	1.2	4	10	- 6
120S	32	.1	1.1	14	18	-13
140S	25	.07	1.1	9	23	1
160S	17	.05	1.2	8	17	- 9
180S	10	.1	1.2	6	14	7
200S	- 5	.1	1.1	4	10	7
220S	4	.1	1.1	3	7	- 1
240S	0	.1	1.1	8	11	- 6
260S	10	.1	1.1	5	13	0
280S	7	.1	1.0	6	11	1
300S	10	.12	1.05	6	12	- 2
320S	8	.12	1.3	7	13	- 1
340S	17	.15	1.0	6	13	- 8
360S	+ 6	.41	4.2	15	21	-13
380S	27	.42	4.1	11	26	- 4
400S	4	.4	3.8	14	25	- 1
420S	13	.5	5.9	13	27	- 1
440S	-14	.6	6.0	13	26	5
460S	- 9	.65	6.1	9	22	9
480S	- 9	.08	1.05	8	17	2
500S		.1	1.0	12	20	

LINE 2W

100N	51	.1	.5	47		
80N	50	.05	.7	44	91	
60N	41	.07	.8	46	90	- 3
40N	42	.45	2.5	48	94	2
20N	35	.45	4.8	40	88	16
0	36	.21	1.7	38	78	37
20S	35	.5	9.0	13	51	45
40S	42	.4	1.5	20	33	22
60S	43	.1	1.4	9	29	12
80S	46	.1	1.4	12	21	7
100S	46	.7	8.1	10	22	- 7
120S	48	.8	7.1	18	28	-11
140S	45	.52	7.1	15	33	4
160S	36	.32	7.0	9	24	14
180S	35	.20	7.2	10	19	0
200S	15	.20	7.1	14	24	- 7
220S	12	.20	6.4	12	26	2
240S	19	.25	6.5	10	22	9
260S	5	.1	6.6	7	17	2
280S	2	.1	7.1	13	20	- 7
300S	1	.1	6.8	11	24	- 5
320S	13	.2	6.4	14	25	- 1
340S	- 5	.15	6.6	11	25	4
360S	20	.13	6.4	10	21	3
380S	20	.2	6.6	12	22	0
400S	6	.2	6.5	9	21	13
420S	3	.25	6.4	14	23	- 2
440S	6	.20	6.3	12	26	- 4
460S	26	.32	5.8	8	20	2
480S	40	.15	5.6	16	24	-12
500S		.1	5.5	16	32	
					cliffs	

LINE 1W

100N	40	.1	.7	51		
80N	36	.3	1.0	38	89	
60N	31	.4	7.2	38	76	+32
40N	39	.4	9.4	19	57	39
20N	46	.3	9.8	18	37	21
BL 00	32	.1	1.4	18	36	11
20S	36	.1	1.4	12	26	16
40S	30	.02	1.3	8	20	8
60S	18	.03	1.2	10	18	1
80S	18	.03	1.2	9	19	4
100S	21	.05	1.2	5	14	6
120S	25	.04	1.2	8	13	- 6
140S	48	.02	1.1	12	20	-13
160S	13	.03	1.1	14	26	- 4
180S	- 2	.02	.1	10	24	6
200S	8	.1	6.8	10	20	8
220S	9	.03	1.0	6	16	0
240S	10	.03	1.0	14	20	- 8
					24	0

260S	21	.02	.9	10		
280S	- 5	.04	.9	10	20	3
300S	- 3	.04	1.1	11	21	- 5
320S	7	.05	.9	14	25	- 7
340S	24	.03	.9	14	28	2
360S	26	.04	.9	9	23	0
380S	34	.03	.9	19	28	-12
400S	28	.02	.9	16	35	- 4
420S	26	.03	.9	16	32	5
440S	34	.02	.9	14	30	0
460S	27	.05	1.0	18	32	-10
480S	41	.05	1.0	22	40	- 9
500S		.05	.8	19	41	

<u>LINE OW</u>

BL 00	-11	.15	1.5	11	21	
20S	5	.15	1.4	2	13	14
40S	17	.10	1.2	5	7	10
60S	0	.03	1.1	- 2	3	8
80S	24	.01	1.1	1	- 1	0
100S	8	.05	1.0	2	3	- 7
120S	41	.02	1.0	4	6	-10
140S	18	.08	1.0	9	13	-15
160S	24	.1	1.0	12	21	-13
180S	23	.01	1.0	14	26	- 8
200S	-10	.05	.9	15	29	-10
220S	5	.08	1.0	21	36	-10
240S	15	.05	1.0	18	39	9
260S	18	.03	1.0	9	27	22
280S	14	.02	1.0	8	17	9
300S	20	.03	1.0	10	18	- 7
320S	47	.08	1.0	14	24	-19
340S	31	.1	1.0	23	37	-13
360S	31	.08	1.0	14	37	6
380S	40	.1	1.0	17	31	4
400S	41	.05	1.0	16	33	- 1
420S	43	.08	1.0	16	32	4
440S	40	.1	1.0	13	29	7
460S	41	.1	1.1	12	25	- 1
480S	29	.1	1.0	18	30	- 8
500S	39	.05	.9	15	33	- 7
520S	37	.05	1.2	22	37	- 6
540S	27	.01	1.0	17	39	- 4
560S	- 8	.1	1.0	24	41	- 7
580S	- 4	.1	1.1	22	46	1
600S		.1	.9	18	40	
120N	33	.08	1.3	24		
100N	30	.06	1.3	25	49	
80N	0	.08	1.2	22	47	5
60N	0	.15	1.3	22	44	8
40N	- 5	.2	1.6	17	39	19
20N	- 8	.25	1.8	8	25	21
00	-11	.3	2.1	10	18	12

LINE 1E

BL 00	8	.2	1.1	19		
20S	-15	.2	1.3	9	28	
40S	-13	.2	1.0	8	17	20
60S	8	.15	1.0	0	8	11
80S	16	.05	.8	6	6	- 3
100S	43	.05	.9	5	11	- 6
120S	42	.05	1.0	7	12	- 8
140S	25	.08	.9	12	19	-12
160S	4	.08	.7	12	24	-10
180S	14	.2	1.0	17	29	-11
200S	32	.18	.45	18	35	-14
220S	30	.15	.45	25	43	-10
240S	43	.1	1.0	20	45	8
260S	39	.25	1.1	15	35	8
280S	42	.05	1.4	22	37	- 7
300S	38	.1	1.0	20	42	- 7
320S	40	.1	1.0	24	44	- 2
340S	37	.1	1.1	20	44	0
360S	41	.5	1.5	24	44	- 6
380S	35	.08	1.7	26	50	- 5
400S	38	.3	1.4	23	49	7
420S	31	.08	1.4	20	43	1
440S	35	.2	1.4	28	48	1
460S	28	.03	1.3	14	42	17
480S	10	.1	1.2	17	31	11
500S	5	.1	1.2	11	28	0
520S	- 8	.12	1.1	20	31	- 6
540S	-22	.17	6.4	14	34	- 5
560S	-29	1.3	5.6	22	36	2
580S	- 5	1.2	6.3	20	32	- 2
600S		1.0	5.6	18	38	

LINE 2E

BL 00	-10	.2	.9	10	22	-12
20S	28	.12	.9	22	32	-10
40S	19	.1	.9	20	42	0
60S	0	.2	1.0	12	32	18
80S	0	.1	0.9	12	24	2
100S	15	.08	.9	18	30	- 4
120S	22	.2	.9	10	28	4
140S	30	.05	.9	16	26	2
160S	41	.1	.8	10	26	0
180S	41	.05	.9	16	26	- 6
200S	39	.08	.9	16	32	1
220S	38	.08	.9	9	25	1
240S	38	.1	1.5	22	31	-20
260S	39	.2	1.4	23	45	-30
280S	45	.1	1.6	28	51	- 1
300S	35	.1	1.6	18	46	12
320S	33	.12	1.6	21	39	9
340S	25	.1	1.7	16	37	7
360S	24	.1	1.8	16	32	8
					29	7

380S	30	.1	1.9	13		
400S	38	.12	1.8	12	25	11
420S	19	.1	1.7	6	18	14
440S	- 5	.15	1.8	5	11	1
460S	+ 8	.3	1.7	12	17	- 7
480S	- 9	.2	1.6	6	18	4
500S	- 6	.2	1.6	7	13	2
520S	- 9	.2	1.5	9	16	4
540S	0	.2	1.4	5	14	2
560S	5	.2	1.5	8	13	-11
580S	5	.2	1.5	16	24	- 5
600S		.3	1.4	13	29	
100N						
80N						
60N						
40N	-18	.2	1.3	10		
20N	- 7	.2	1.3	12		

LINE 6W

200N						
180N						
160N						
140N						
120N						
100N	-38	.1	1.0	23		
80N	-16	.12	1.4	15	38	
60N	-11	1.0	7.4	18	33	- 5
40N	- 8	1.0	6.5	25	43	-18
20N	-11	.8	6.4	26	51	- 7
00N	0	.9	6.2	24	50	3
20S	-11	.2	1.0	24	48	1
40S	27	.2	1.1	25	49	-15
60S	35	.18	1.0	38	63	-39
80S	39	.1	1.2	50	88	-11
100S	33	.1	2.1	24	74	50
120S	43	.05	1.9	9	33	49
140S	48	.2	1.6	16	25	4
160S	37	.1	1.6	13	29	- 4
180S	28	.1	1.6	16	29	- 1
200S	28	.1	1.6	14	30	1
220S	17	.08	1.6	14	28	0
240S	15	.08	1.7	16	30	- 5
260S	0	.03	1.6	17	33	- 6
280S	11	.03	1.6	19	36	- 7
300S		.1	1.4	21	40	

LINE 4E

BL 00	32	.06	1.6	20		
20	20	.15	5.0	21	41	
40	25	.45	1.6	25	46	- 2
60	25	.15	1.4	18	43	2
80	25	.1	1.3	26	44	-11
100	20	.1	1.5	26	52	5
					39	16

120	0	.4	6.8	13		
140	8	.2	1.6	23	36	- 8
160	12	.1	1.3	24	47	- 2
180	18	.15	1.3	14	38	19
200	12	.1	1.4	14	28	16
220	16	.1	1.5	8	22	6
240	27	.1	1.3	12	20	-10
260	14	.15	1.3	20	32	-16
280	30	.1	.45	16	36	-33
300	30	.45	.9	49	65	-46
320	30	.2	1.2	34	82	17
340	22	.1	1.4	14	48	59
360	30	.08	1.3	9	23	14
380	40	.1	1.3	25	34	-32
400	10	.1	1.3	30	55	-24
420	0	.1	1.1	28	58	
440	ends because cliff and waterfall					

LINE 3E

100N						
60N						
20N						
00	35	.1	1.2	5		
20S	20	.1	1.1	10	15	
40S	18	.15	1.1	18	28	-37
60S	30	.1	.9	34	52	-37
80S	38	.1	1.1	31	65	- 2
100S	22	.1	1.4	23	54	23
120S	25	.05	1.2	19	42	15
140S	30	.08	1.3	20	39	4
160S	42	.05	1.1	18	38	5
180S	35	.05	1.3	16	34	9
200S	13	.05	1.3	13	29	5
220S	8	.08	1.2	16	29	-10
240S	9	.05	1.1	23	39	-19
260S	16	.08	1.1	25	48	-11
280S	24	.08	1.0	25	50	- 5
300S	43	.08	1.1	28	53	- 6
320S	42	.2	8.1	28	56	6
340S	25	.06	1.5	19	47	19
360S	33	.03	1.5	18	37	13
380S	11	.08	1.5	16	34	6
400S	0	.08	1.5	15	31	4
420S	5	.08	1.5	15	30	11
440S	7	.08	1.5	4	19	21
460S	- 6	.04	1.5	5	9	7
480S	26	.03	1.4	7	12	- 7
500S	6	.05	1.3	9	16	- 5
520S	12	.04	.9	8	17	- 1
540S	25	.05	1.0	9	17	- 5
560S	20	.05	1.1	13	22	-12
580S	-10	.08	1.0	16	29	- 8
					30	

600S		.1	.9	14		

LINE 5E

BL 00	24	.05	1.2	25		
20S	29	.08	1.3	16	41	
40S	34	.1	1.0	28	46	-23
60S	33	.1	1.0	37	65	-19
80S	25	.1	1.1	28	65	9
100S	20	.08	1.1	28	56	19
120S	20	.15	1.0	18	46	18
140S	4	.1	1.0	20	38	8
160S	16	.1	1.0	18	38	- 4
180S	31	.03	1.2	34	42	- 1
200S	43	.1	1.3	13	39	3
220S	43	.1	1.0	26	39	-10
240S	40	.1	1.0	23	49	-17
260S	35	.08	.9	33	56	-16
280S	38	.1	.9	32	65	-17
300S	38	.2	5.6	41	73	- 9
320S	30	.3	1.0	33	74	11
340S	24	.4	6.2	29	62	30
360S	30	.55	8.6	15	44	26
380S	31	.8	7.2	31	36	-27
400S	33	.6	5.2	40	71	-42
420S	42	.5	5.4	38	78	-13
440S	32	.2	1.1	46	84	-16
460S	43	.2	1.0	48	94	- 2
480S	33	.4	1.9	38	86	38
500S	18	.25	2.2	18	56	55
520S	18	.2	1.7	13	31	17
540S	31	.1	1.5	16	29	- 1
560S	27	.1	1.3	16	32	1
580S	33	.1	1.2	12	28	4
600S		.1	1.2	16	28	

LINE 7W

00S	53	.1	.9	24		
20S	35	.1	.9	33	57	
40S	31	.1	.8	36	69	-20
60S	30	.1	.9	41	77	-22
80S	33	.15	.8	50	91	-17
100S	26	.2	1.3	44	94	33
120S	16	.08	1.4	14	58	72
140S	24	.1	1.3	8	22	40
160S	25	.1	1.2	10	18	- 6
180S	12	.15	1.1	18	28	-17
200S	41	.1	1.1	17	35	-13
220S	16	.15	.9	24	34	-12
240S	31	.1	1.2	23	47	- 7
260S	8	.1	1.1	25	48	2
280S	32	.1	1.1	20	45	9
300S		.1	1.2	19	39	

APPENDIX II

ANALYTICAL CERTIFICATES

MIN
• EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Analytical Report

Company: J.R.WOODCOCK CONSULTANTS
Project:
Attention: J.R.WOODCOCK

File: 8-1054
Date: AUGUST 4/88
Type: SOIL GEOCHEM

Date Samples Received : JULY 28/88
Samples Submitted by : J.R.WOODCOCK

Report on ....342 SOILS.................................... Geochem Samples
.... Assay Samples

Copies sent to:

1. J.R.WOODCOCK CONSULTANTS, VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh ....-80...... Ground to mesh ....

Prepared samples stored:..........X..... discarded:..........................
rejects stored:.............. discarded:.........X................

Methods of analysis:

6 ELEMENT TRACE ICP.

Remarks

COMPANY: J.R.WOODCOCK CONSULTANTS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1
PROJECT NO: | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1054/P1+2
ATTENTION: J.R.WOODCOCK | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:AUGUST 3, 1988

(VALUES IN PPM)	AG	AS	CU	MN	PB	ZN
K87189	3.5	49	96	321	726	130
K87190	.4	19	988	2484	158	595
K87191	12.9	104	110	2181	956	245
K87192	.7	41	304	5175	367	299
K87193	.3	1	301	3057	52	327
K87194	1.2	27	176	1205	34	127
K87195	1.1	15	207	1002	34	168
K87196	1.6	2	46	534	16	144
K87197	1.6	4	57	821	30	87
K87198	2.1	13	77	702	27	53
K87199	2.5	27	56	367	20	47
K87200	.9	24	50	1561	22	96
K87201	1.2	24	86	1074	22	77
K87202	.8	20	42	881	15	62
K87203	1.0	20	58	515	17	48
K87204	1.8	7	57	512	16	59
K87205	1.5	1	84	930	17	76
K87206	.9	1	61	1091	23	97
K87207	1.8	23	45	1200	21	204
K87208	1.5	2	39	1271	20	161
K87209	2.2	23	16	324	20	74
K87210	2.6	25	19	391	19	87
K87211	2.1	24	16	184	20	68
K87212	2.1	18	28	471	19	139
K87213	1.4	11	29	1276	18	120
K87214	1.3	9	32	937	21	242
K87215	1.3	5	22	1053	18	237
K87216	.7	19	34	1488	25	282
K87217	.2	28	90	1771	22	298
K87218	.3	18	70	4909	52	330
K87219	.3	27	83	7076	43	374
K87125	3.4	42	21	98	23	30
K87124	2.2	24	31	278	15	123
K87123	3.2	41	33	204	17	117
K87122 N/S						
K87121	3.2	36	18	264	17	91
K87120	2.7	26	28	301	17	108
K87119	3.3	42	15	171	18	37
K87118	.8	18	48	1988	27	270
K87117	2.0	2	53	800	24	264
K87116	2.4	17	50	371	24	309
K87115	2.2	24	17	325	22	144
K87114	2.0	19	26	352	18	187
K87113	1.9	23	16	468	23	118
K87112	2.5	27	16	279	21	87
K87111	1.6	16	29	366	19	166
K87110	1.5	17	50	371	21	173
K87109	2.1	10	9	598	21	134
K87108	2.3	14	9	248	17	125
K87107	3.0	37	21	204	16	78
K87106	2.1	20	15	449	18	106
K87105	2.5	30	19	244	21	70
K87104	1.8	18	26	671	18	112
K87103	1.5	7	21	538	14	121
K87102	2.3	23	15	345	16	106
K87101	1.7	16	29	354	13	160
K87100	11.1	32	76	516	203	260
K87099	6.0	47	52	752	369	243
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PROJECT NO: 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-1054/P3+4
ATTENTION: J.R.WOODCOCK (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * DATE:AUGUST 3, 1988

(VALUES IN PPM)	AG	AS	CU	MN	PB	ZN
K87096	.9	30	68	794	48	304
K87095	.1	5	40	1987	33	248
K87092	.9	34	198	589	44	633
K87091	2.6	14	129	253	24	264
K87090	2.7	38	27	153	20	106
K87089	2.0	7	91	278	24	266
K87088	2.1	12	16	130	22	100
K87087	2.6	35	37	177	17	68
K87086	1.8	27	110	408	30	282
K87085 N/S						
K87084	1.8	33	97	369	22	366
K87083	3.7	55	27	112	19	40
K87082	2.3	18	24	240	21	140
K87081	1.9	1	26	522	24	213
K87080	1.8	2	60	470	19	182
K87079	1.4	17	42	655	24	211
K87078	1.2	24	43	1061	26	214
K87077	2.2	13	32	378	25	158
K87076	2.0	11	25	312	17	124
K87075	1.7	12	54	386	22	139
K87074	1.9	13	24	230	13	107
K87073	1.6	26	19	341	9	154
K87072	3.0	38	19	128	16	65
K87071	1.6	9	25	616	18	150
K87070	2.5	24	26	179	16	117
K87069	.5	24	647	3711	28	332
K87068	2.2	20	32	618	17	126
K87067	2.5	25	20	187	18	118
K87066	2.0	12	49	649	19	159
K87062	.9	34	92	1086	36	309
K87061	2.2	25	44	346	25	246
K87060	3.3	36	40	223	27	126
K87059 N/S						
K87058	.9	30	66	839	18	256
K87057	1.2	32	85	762	23	319
K87056	1.9	18	74	379	26	229
K87055	2.2	28	59	190	20	181
K87054	3.1	66	31	77	15	62
K87053	1.9	12	61	571	23	170
K87052	2.1	27	27	207	22	112
K87051	2.4	35	26	237	21	103
K87050	2.0	23	20	949	26	99
K87049	2.0	13	10	677	22	134
K87048	2.2	22	25	367	24	135
K87047	1.4	35	48	724	16	223
K87046	1.0	20	42	663	12	223
K87045	1.2	1	55	1338	45	226
K87044	.7	8	34	1242	19	241
K87043	1.9	19	47	652	27	201
K87042	1.8	4	22	868	30	215
K87041	2.4	30	20	197	15	151
K87040	2.0	15	15	314	15	135
K87039	1.2	1	31	814	16	191
K87038	3.5	19	157	738	65	372
K87037	1.5	14	20	1108	23	239
K87036	1.0	21	60	1491	25	392
K87035	1.9	22	28	736	24	192
K87034	1.6	2	22	776	26	304
K87033	1.8	32	41	363	29	194
K87001	2.9	42	16	156	19	41

COMPANY: J.R.WOODCOCK CONSULTANTS MIN-EN LABS ICP REPORT (ACT:F31) PAGE 1 OF 1
PROJECT NO: 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-1054/P5+6
ATTENTION: J.R.WOODCOCK (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * DATE:AUGUST 3, 1988

(VALUES IN PPM)	AG	AS	CU	MN	PB	ZN
K87002	1.6	8	20	276	20	104
K87003	3.1	41	16	50	20	48
K87004	2.9	38	24	72	16	152
K87005	2.4	20	51	277	17	178
K87006	1.9	18	24	857	21	124
K87007	2.1	13	95	565	26	381
K87008	1.5	1	72	1502	16	287
K87009	.2	1	145	5696	27	927
K87010	.1	5	63	2597	21	262
K87011	.4	33	83	3068	27	293
K87012	.9	17	143	1532	16	376
K87013	2.2	23	83	856	18	215
K87014	2.1	28	38	590	14	132
K87015	2.1	34	42	367	17	133
K87016	2.0	27	25	892	15	93
K87017	2.6	40	35	342	14	106
K87018	2.6	40	25	436	18	74
K87019	2.6	38	29	721	21	91
K87020	3.0	40	25	215	16	67
K87021	3.1	49	20	146	15	30
K87022	2.1	27	28	598	20	95
K87023	2.0	28	25	384	17	90
K87024	2.8	42	27	248	19	80
K87025	1.3	11	28	1801	24	149
K87026	2.4	34	29	644	12	86
K87027	2.2	26	36	281	12	128
K87028	2.6	42	29	742	31	82
K87029 N/S						
K87030	1.7	16	41	257	13	127
K87282	3.0	18	77	372	34	177
K87283	2.4	1	40	752	23	303
K87284	2.3	1	62	1184	36	200
K87285	.8	22	75	1852	26	394
K87286	.8	24	68	1599	28	242
K87287	2.6	12	55	671	55	156
K87288	1.9	7	226	812	25	168
K87289	2.5	12	55	801	29	125
K87290	2.5	25	96	490	13	62
K87291	2.3	9	110	512	18	73
K87292	2.1	29	94	1166	21	69
K87293	.7	12	124	1866	20	109
K87294	.8	18	126	1207	14	76
K87295	.1	36	86	21480	69	338
K87296	1.5	26	94	979	23	70
K87297	2.3	7	84	802	31	52
K87298	1.5	6	153	1257	41	93
K87299	.8	31	156	1748	31	102
K87304 N/S						
K87301	1.9	20	93	618	22	66
K87302	.4	32	58	2681	21	85
K87303	.4	15	108	5727	41	305
K87304	4.0	77	22	52	7	8
K87220	3.1	16	94	170	126	189
K87221	1.8	39	795	4021	444	504
K87222	3.3	41	423	5286	238	229
K87223	24.4	30	282	4071	1976	454
K87224	1.9	10	103	865	39	172
K87225	1.5	42	251	2158	75	240
K87226	2.4	31	42	299	36	55
K87227	2.1	6	60	586	20	59

(VALUES IN PPM)	AG	AS	CU	MN	PB	ZN
K87228	2.4	27	41	465	24	47
K87229	1.5	7	34	607	14	61
K87230	1.4	7	50	695	18	72
K87231	.7	30	95	721	15	108
K87232	.9	32	128	777	24	82
K87233	1.5	16	70	643	15	86
K87234	2.7	35	36	310	12	35
K87235	.7	21	109	722	14	76
K87236	.8	4	63	574	17	96
K87237	.2	23	143	2177	53	277
K87238	.2	15	153	1235	10	124
K87239	1.2	31	42	858	23	73
K87240	1.0	29	114	633	16	78
K87241	1.5	13	79	562	14	111
K87242	1.1	8	370	1000	17	89
K87243	.5	11	61	4137	46	341
K87244	.1	32	85	3112	25	320
K87245	.3	7	61	3471	32	303
K87246	.5	10	49	3231	28	224
K87247	.3	1	47	2715	24	136
K87248	.2	14	39	5143	40	150
K87249	.2	1	40	6737	39	165
K87250	.3	2	44	3207	37	92
K87344	2.5	25	45	586	42	82
K87348	2.7	40	52	164	16	75
K87354	.2	9	158	1507	28	103
K87355	.2	33	111	2270	28	80
K87356	1.6	6	92	596	22	73
K87357	2.2	28	82	410	21	56
K87358	1.4	16	100	669	18	102
K87359	.9	17	110	754	28	113
K87360	.2	5	144	1127	30	142
K87361	1.0	37	146	911	23	102
K87362 N/S						
K87363	1.8	15	69	1016	24	65
K87364	.2	10	69	1450	24	72
K87365	.5	7	99	1359	19	73
K87366	.6	20	79	1226	17	55
K87367	.4	7	131	1526	21	71
K87368	.1	36	234	2054	24	77
K87369	1.4	10	75	589	16	95
K87370	2.7	41	24	278	19	41
K87158	1.4	28	116	964	31	193
K87159	3.4	27	98	1910	85	199
K87160	1.8	4	48	586	16	182
K87161 N/S						
K87162	1.2	27	69	1579	30	192
K87163	2.0	3	77	1168	22	203
K87164	.6	18	198	2177	40	368
K87165	2.0	37	169	1382	25	331
K87166	.3	17	28	1740	25	252
K87167	1.4	2	41	571	21	244

COMPANY: J.R.WOODCOCK CONSULTANTS　　MIN-EN LABS ICP REPORT　　(ACT:F31) PAGE 1 OF 1
PROJECT NO:　　705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2　　FILE NO: 8-1054/P9+10
ATTENTION: J.R.WOODCOCK　　(604)980-5814 OR (604)988-4524　　* TYPE SOIL GEOCHEM *　　DATE:AUGUST 3, 1988

(VALUES IN PPM)	AG	AS	CU	MN	PB	ZN
K87168	1.3	3	56	625	18	152
K87169	1.8	34	26	438	17	105
K87170	2.1	42	35	300	19	104
K87171	2.1	38	31	399	22	112
K87172	2.4	38	29	186	18	81
K87173	3.0	67	17	171	13	32
K87174	2.0	20	68	944	20	79
K87175	3.1	72	23	101	13	29
K87176	1.3	8	33	945	25	122
K87177	2.2	30	17	414	16	55
K87178	2.0	44	23	494	20	90
K87179	1.9	29	24	392	24	145
K87180	1.6	19	14	807	22	77
K87181	2.0	35	22	403	18	78
K87182	2.0	30	27	201	18	108
K87183	1.6	16	15	621	26	131
K87184	1.9	30	27	415	27	138
K87185	2.0	35	17	455	22	88
K87186	1.7	40	48	341	23	193
K87187	.5	1	65	1614	28	214
K87188	1.1	1	41	1118	21	193
K87126	2.0	27	27	263	25	188
K87127	1.9	22	33	604	28	277
K87128	1.5	20	41	631	24	166
K87129	2.5	31	32	317	48	79
K87130	1.9	8	171	722	41	140
K87131	2.6	43	26	323	45	94
K87132	1.8	35	23	219	21	175
K87133	1.8	28	23	294	23	138
K87134	1.8	7	27	362	14	172
K87135	1.8	17	27	266	19	158
K87136	2.0	27	45	288	20	141
K87137	1.6	8	30	687	25	136
K87138	1.6	10	19	906	17	93
K87139	1.5	1	27	371	19	188
K87140	1.6	21	33	398	22	158
K87141	1.5	13	36	597	21	161
K87142	1.7	6	15	556	23	152
K87143	1.0	22	26	967	25	225
K87144	1.7	6	11	216	19	163
K87145	1.7	17	17	258	19	159
K87146	1.8	16	21	294	22	176
K87147	1.7	10	20	439	21	164
K87148	1.8	2	17	520	24	139
K87149	1.7	11	22	383	25	156
K87150	2.7	50	19	151	12	41
K87151	2.0	24	12	412	19	98
K87152	1.5	5	20	612	18	108
K87153	1.5	5	21	737	20	94
K87154	1.3	25	35	855	15	112
K87155	1.8	21	21	530	23	111
K87156	2.2	9	24	468	24	100
K87251	.3	1	322	5484	227	709
K87252	3.5	44	110	396	57	93
K87253	.3	26	186	12139	55	686
K87254	3.1	44	113	228	65	79
K87255	2.4	24	32	333	21	84
K87256	1.8	11	55	771	33	177
K87257	2.2	18	27	178	26	45
K87258	1.8	1	54	385	32	66

COMPANY: J.R.WOODCOCK CONSULTANTS MIN-EN LABS ICP REPORT (ACT:F31) PAGE 1 OF 1
PROJECT NO: 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-1054/P11+12
ATTENTION: J.R.WOODCOCK (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * DATE:AUGUST 3, 1988

(VALUES IN PPM)	AG	AS	CU	MN	PB	ZN
K87259	1.8	17	36	227	18	66
K87260	1.2	29	108	708	20	85
K87261	1.3	19	39	448	12	144
K87262	.8	23	115	1124	27	105
K87263	.8	21	89	1381	24	83
K87264	1.0	20	98	793	18	91
K87265	.3	20	137	1964	22	82
K87266	.9	21	116	920	19	64
K87267	1.3	21	89	868	16	50
K87268	1.4	4	27	436	18	42
K87269	1.3	1	44	545	22	66
K87270	1.9	29	31	468	25	46
K87271	.6	11	114	1259	19	83
K87272 N/S						
K87273 N/S						
K87274	.3	23	47	3043	30	163
K87275	.1	9	41	2613	29	217
K87276	.2	6	45	2729	36	192
K87277	1.3	11	33	1499	22	65
K87278	1.6	29	31	1225	18	79
K87279	.6	19	44	1518	24	115
K87280	1.3	19	50	1158	26	145
K87313	1.4	6	96	820	40	247
K87314	1.3	27	54	1046	29	199
K87315	1.3	29	51	947	22	231
K87316	1.2	2	54	947	34	200
K87318	2.0	32	30	132	13	138
K87319	1.4	24	35	762	17	179
K87320	2.2	31	32	538	21	79
K87321	1.6	18	200	610	42	157
K87322	2.1	30	202	620	105	135
K87323	2.2	8	1240	526	110	327
K87324	2.3	44	28	759	16	47
K87325	2.3	36	27	701	16	31
K87327	1.7	7	20	551	24	140
K87329	2.2	35	13	204	26	45
K87330	1.9	27	36	421	21	146
K87331	2.0	34	30	715	22	65
K87332	1.9	23	18	635	17	58
K87375	.9	2	33	889	29	173
K87376	2.5	41	32	219	23	157
K87377	1.8	15	22	509	25	207
K87378	1.3	33	37	1062	37	117
K87379	2.1	12	381	650	68	217
K87380	2.1	26	117	615	33	298
K87381	1.6	13	28	440	27	154
K87382	2.5	40	27	246	19	169
K87383	2.1	34	26	223	19	235
K87384	1.2	7	46	522	25	132
K87386	1.9	19	30	379	28	160
K87387	1.9	17	12	132	20	122
K87388	2.2	39	261	97	43	112
K87389	2.4	32	16	156	16	80
K87390	2.3	41	23	342	14	67
K87391	2.1	33	18	524	17	78
K87393	2.8	56	20	98	13	25
K87396	1.5	9	59	1078	33	90

500 W
00
500 E
100N
B.L.
200S
400S
600S
SLIDE
FROG CREEK
FROG LAKE
SLIDE
ALTERATION KILL ZONE (~20 x 35m)
KILL ZONE
SOUR CR.
SWEET CR.
Core
87-1
193 -50°
87-3 -75°
87-4 -70°
CAMP SITE
Swamp
SIGNS OF ALTERATION
SURPRISE BEAR CR.
Water fall (8m) canyon
BIG RED BLUFF
DARK ORANGE GOSSAN
GENTLE ALPINE AREA
LEGEND
360 Sample No. (K87 prefix)
Bluff
Helicopter landing
Diamond drill holes
GEOLOGICAL BRANCH ASSESSMENT REPORT
17,717
ADASTRAL RESOURCES LTD.
KUSP PROPERTY
SAMPLE LOCATION MAP
0 50 100 150 METRES
J. R. WOODCOCK CONSULTANTS LTD.
AUGUST 1988
FIGURE No. 3
CHONG

500 W
00
500 E
100N
B.L.
200S
400S
600S
FROG CREEK
FROG LAKE
SWEET CR.
SURPRISE BEAR CR.
GEOLOGICAL BRANCH
ASSESSMENT REPORT
17,717
LEGEND
23 102 Pb, Zn in ppm
Pb contour
Zn "
ADASTRAL RESOURCES LTD.
KUSP PROPERTY
SOIL GEOCHEMISTRY
Pb, Zn
0 50 100 150 METRES
J.R. WOODCOCK CONSULTANTS LTD.
AUGUST 1988
FIGURE № 4
CHONG

ADASTRAL RESOURCES LTD.

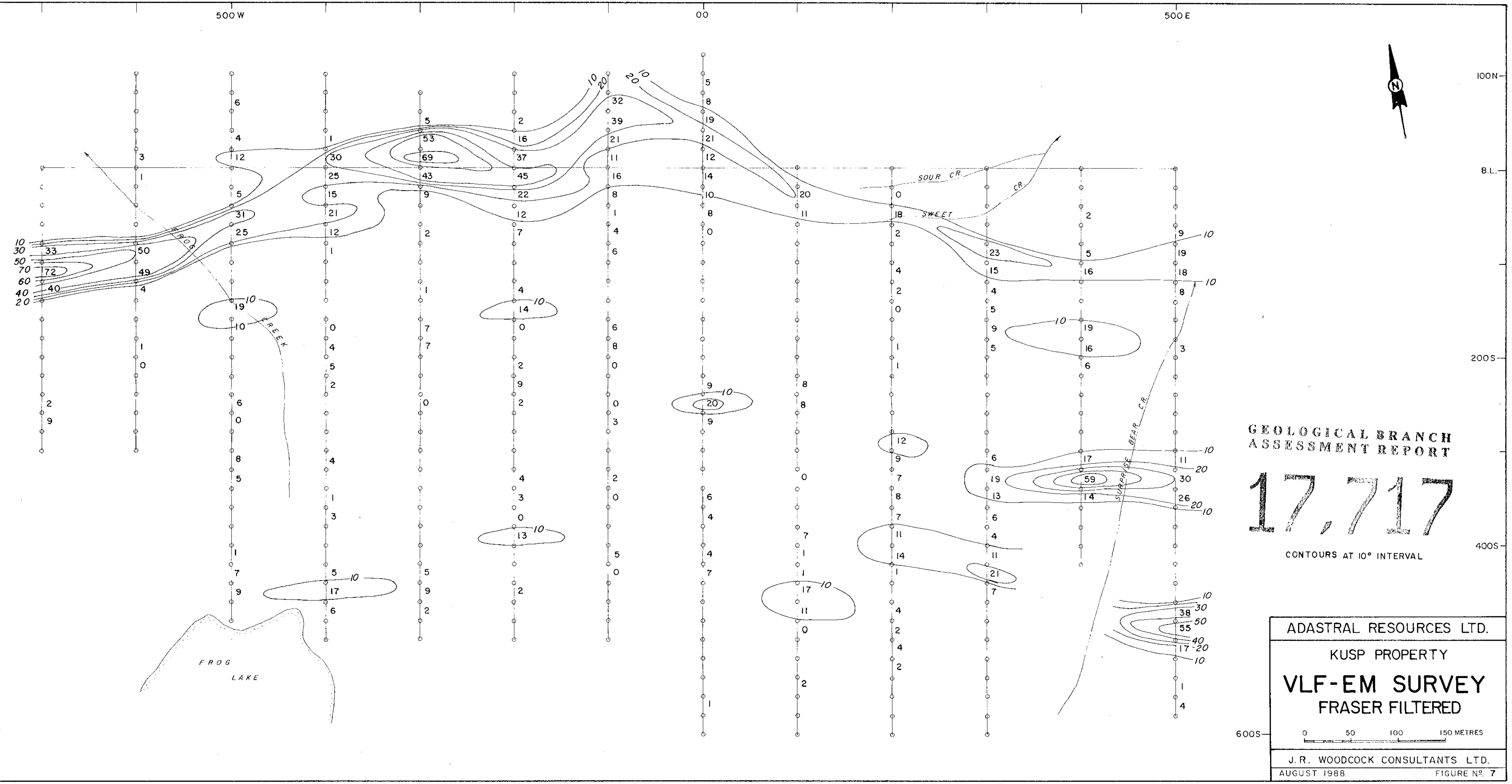
KUSP PROPERTY

SOIL GEOCHEMISTRY
Ag, As

J. R. WOODCOCK CONSULTANTS LTD.

AUGUST 1988 FIGURE No. 5


500 W
00
500 E
100N
B.L.
200S
400S
600S
FROG CREEK
FROG LAKE
SOUR CR.
SWEET
SURPRISE BEAR CR.
GEOLOGICAL BRANCH
ASSESSMENT REPORT
17,717
LEGEND
100 ∘ 669 Cu, Mn in ppm
Cu contour
Mn "
ADASTRAL RESOURCES LTD.
KUSP PROPERTY
SOIL GEOCHEMISTRY
Cu, Mn
0 50 100 150 METRES
J.R. WOODCOCK CONSULTANTS LTD.
AUGUST 1988
FIGURE Nº 6
CHONG



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,717

CONTOURS AT 10° INTERVAL

ADASTRAL RESOURCES LTD.

KUSP PROPERTY

VLF-EM SURVEY

FRASER FILTERED

0 50 100 150 METRES

J. R. WOODCOCK CONSULTANTS LTD.

AUGUST 1988 FIGURE Nº 7

CHONG