

82-#594-10647
C

GEOCHEMICAL SURVEY REPORT

on mineral claim 9

WIND 1

54° 24'N; 125° 25'W

N.T.S. 93-K-6/W

OMINECA M.D.
owner & operator
WINDFLOWER MINING LTD.

Gerald Ryznar, P.Eng.

September 7/82

MINERAL RESOURCES BRANCH

ASSESSMENT REPORT

10,647

WIND 1-MINERAL CLAIM
GEOCHEMICAL SURVEY REPORT

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GEOCHEMICAL SURVEY REPORT WIND 1 MINERAL CLAIM

INTRODUCTION

A geochemical survey was carried out on the Wind 1 mineral claim, which is a silver and base metal prospect owned by Windflower Mining Ltd. of Vancouver, B.C. The claim is located 40 km. north-east of Burns Lake, B.C. and is accessible by good gravel road. The reason for the survey was to check for additional mineralization similar in nature to the high-grade silver veins present on the Silver Fox crown granted mineral claim which is located within the central portion of the claim block.

A total of 54 samples were collected including 20 soil samples and 35 stream silts. From this work three areas of interest were indicated, one in the southwest corner of the claims and another in the far northern and central portion of the property, and one area of moderate interest located between the two crown granted mineral claims which the Wind 1 claim envelops.

Further geochemical surveying and prospecting is warranted to determine the cause of the anomalous responses in the areas as indicated above.

PROPERTY

The property consists of the 12 unit Wind 1 mineral claim owned by Windflower Mining Ltd. of Vancouver, B.C. The claim is located on mineral claim map 93-K-6/W, Omineca Mining Division and has record number 3333; tag number 67425.

LOCATION and ACCESS 93-K-6/W Omineca Mining Division

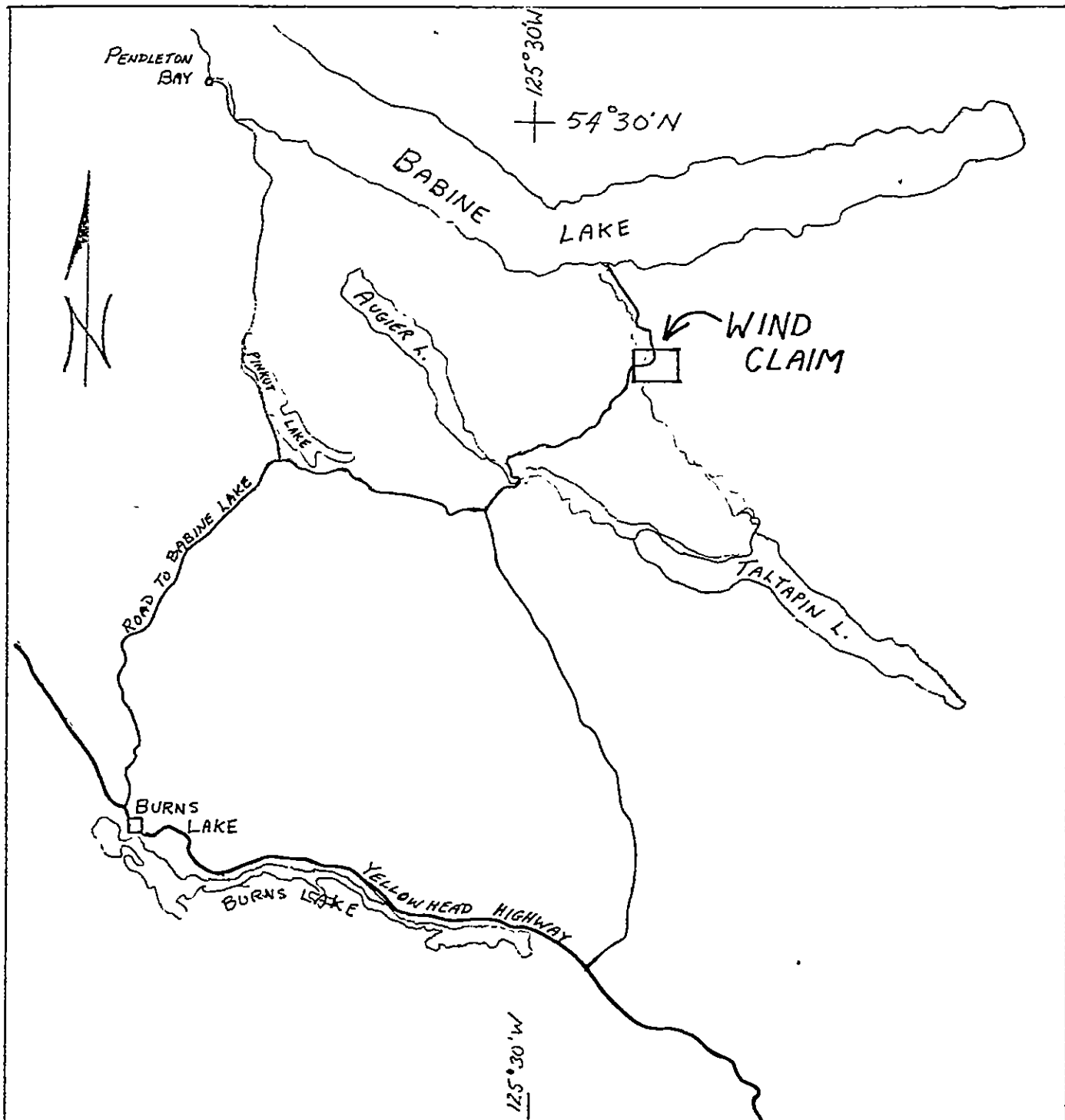
The Wind 1 mineral claim consisting of 12 claim units is located approximately 40 km. northeast of Burns Lake, B.C., along the Babine Lake road leading to the Pinkut Creek Spawning Channel. The claim is situated at the point where the Babine Lake road crosses Pinkut Creek. The excellent condition of the gravel road is probably due to the fact that it provides access to the government operated Pinkut Creek spawning channel for salmon.

GEOLOGY

The claim is underlain by Cache Creek group greenstones, andesitic flows and tuffs, argillaceous quartzites and argillites, intruded by the Permian? Topley granitic intrusions. The much younger Endako group consisting of Tertiary vesicular and amygdaloidal basalts covers small areas on the property. *Jurassic*

Mineralization of economic interest is known to occur on the Silver Fox crown grant where veins varying in width from 6 inches to 2 feet carry gold, silver, copper, lead, and zinc. The veins are found to occur in greenstones.

Underground development consisting of a short shaft of 140' and some tunnelling in from the Pinkut Creek canyon walls was carried out on this property (Silver Fox) during the 1920's.



OMINECA M.D.

93-K-6/W

LOCATION - WIND MINERAL CLAIM

BURNS LAKE AREA B.C.

SCALE 1:250,000

5 km

GEOLOGY (cont'd)

A three ton lot of high grade ore was supposedly shipped to the Trail smelter in 1920 but no assays are available on this shipment. However, some assay data is available from grab or channel sampling of the high grade showing on the cliff face on the Silver Fox. A sample collected by Lay in 1926 returned trace Au, 3.6 oz/ton Ag., 3% Pb., 27% Zn, 1% Cu. A sample collected more recently and submitted to Trail by Mr. R. Coombs returned 0.19 oz./ton Au ; 184 oz./ton Ag ; 6.8% Pb ; 9.8% Zn.

GEOCHEMICAL SURVEY

A geochemical survey of stream silts and soils was carried out on the Wind 1 claim from August 19 to 22/1982 inclusive. Twenty soil samples and thirty-five stream silts were collected for a total of fifty-five samples. One of the samples was lost in transit.

i) Collection method

The soil samples were generally collected from the horizon immediately below the humus rich A Horizon. In many cases poor soil profile development made horizon definition difficult so that samples were collected from either of the A2 or the B horizon.

The method of collection of soil samples was simple. Holes were dug with a Mattock to the proper depth and a small scoop shovel was used to collect the sample at the required horizon. Samples were then placed in marked brown paper Kraft envelopes and later hung to dry. Stream silts were collected in similar fashion, using a scoop shovel and brown Kraft paper envelopes for collection.

ii) Analytical Procedure

All geochemical analysis were carried out by Bondar-Clegg & Company of 1500 Pemberton Ave., North Vancouver, B.C. The following analytical procedure was used.

The samples were sorted according to project number etc. ,and numbers checked against sample lists for missing samples etc. The samples were dried in low temperature dryers, sifted to the -80 mesh fraction and weighed. An HNO_3 -HCL digestion method is used to leach all Cu, Pb, Zn, Mo, Ag, Mn, Cd, Ni, and Co from the soils and silts. The samples were diluted to 20% acid concentration and homogenized using a one hour settling time. Analysis was then carried out using standard atomic absorption (AA) methods. Results were collected and tabulated.

iii) Results

Results of the geochemical analysis are attached to this report as Appendix A and plans showing the location from which the samples were collected and their respective values of each element are also attached.

Interesting values in Ag and Cu were obtained from three areas on the Wind 1 claim. One of these areas is located in the south west corner of the claim where samples numbered 10 to 12 returned the following high values.

Sample #	Cu (ppm)	Ag (ppm)
10	640	3.2
11	270	4.2
12	1020	14.0

The above listed were collected at the base of an escarpment of altered andesites and intrusives. Because of the very high values obtained here intensive prospecting and more sampling is recommended to determine the source of the high metal content of the soils.

Another area of interest is indicated by the results from sample number 29. However this is an isolated sample located between two crown grants which do not form part of the Wind claim and is therefore not as high a priority as the other highs of interest. Nevertheless further checks should be made here as well.

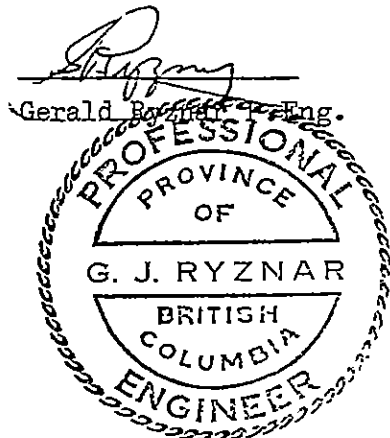
The remaining area of interest is the southwesterly flowing creek or rivulet that is located near the north central portion of the Wind claim. Four samples located along this creek returned the following results;

Sample #	Cu (PPM)	Ag (ppm)
39	163	0.8
40	174	0.8
41	135	0.4
42	101	0.6

Because of the high Cu and Ag values returned from this drainage system, a more detailed program of grid sampling and prospecting is recommended to determine the source of the anomalous responses.

CONCLUSIONS

The geochemical survey carried out on the Wind 1 claim during August 1982 indicates three areas of interest which warrant further investigation. One of these is indicated by a single isolated high and as such is suspect, however the area in the southwest corner where a high of 14 ppm Ag was obtained is extremely interesting as is the area drained by the small stream in the north central part of the claim. Further follow-up grid sampling and detailed prospecting is definitely recommended for these areas.



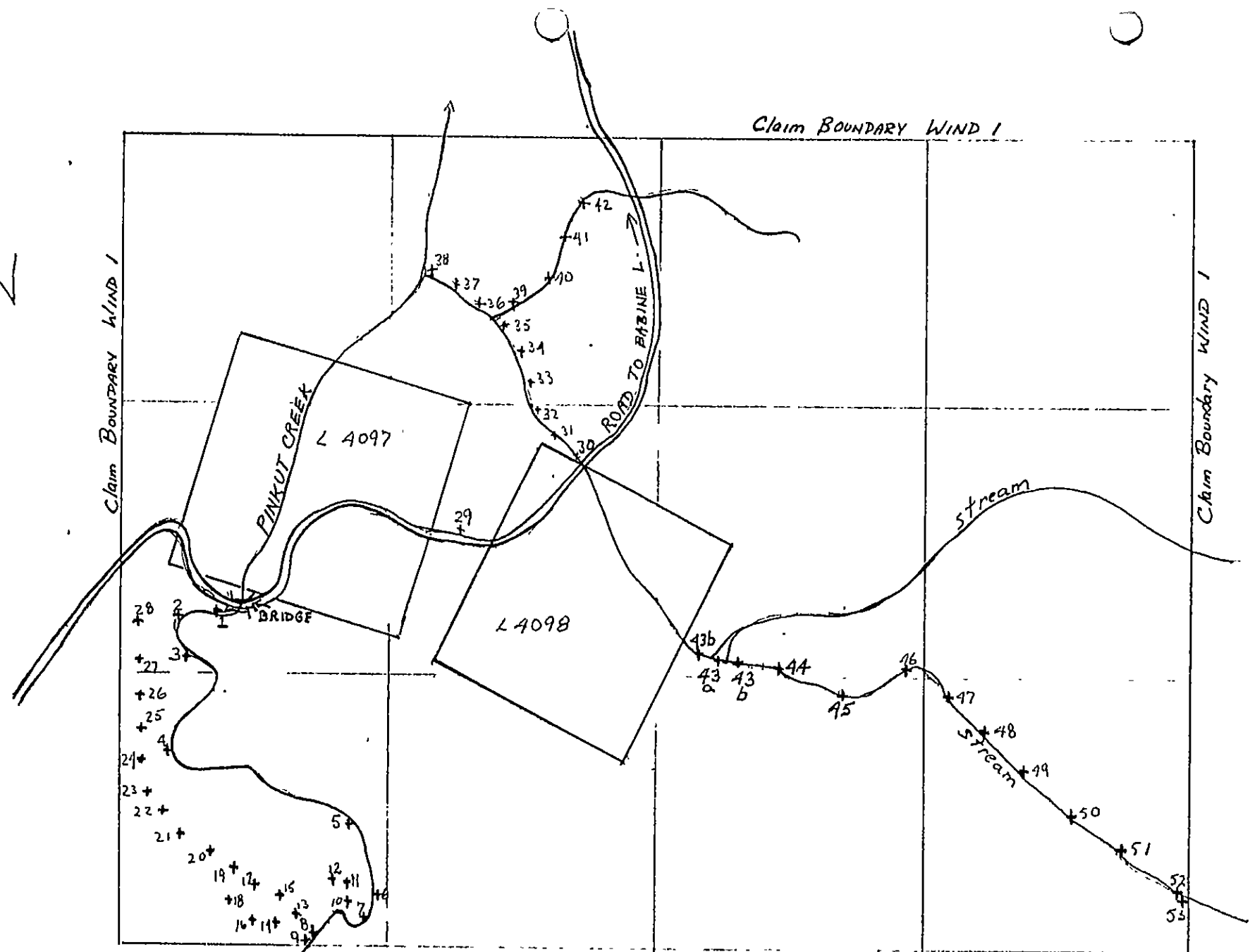
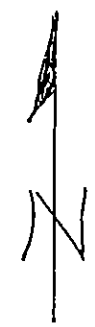


APPENDIX A

REPORT: 122-2780 PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Mo PPM	As PPM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Mo PPM	As PPM
S 01		20		0.2		S 41		135	3	0.4
S 02		25		0.2		S 42		101	6	0.6
S 03		24		0.2		S 43		43	3	0.2
S 04		22		0.2		S 43A		58	3	0.2
S 05		13		0.2		S 43B		40	3	0.2
S 06		26		0.2		S 44		41	2	0.2
S 07		13		0.2		S 45		43	3	0.2
S 08		36		0.2		S 46		48	3	0.3
S 09		58		0.2		S 47		49	3	0.3
S 10		640		3.2		S 48		44	4	0.2
S 11		270		4.2		S 49		33	3	0.2
S 12		1020		14.0		S 50		32	2	0.2
S 13		24		0.2		S 51		40	3	0.2
S 14		7		0.2		S 53		32	3	0.2
S 15		7		0.2						
S 16		12		0.2						
S 17		9		0.2						
S 18		8		0.2						
S 19		6		0.2						
S 20		5		0.2						
S 21		8		0.2						
S 22		7		0.2						
S 23		8		0.2						
S 24		14		0.2						
S 25		25		0.2						
S 26		12		0.2						
S 27		12		0.2						
S 28		14		0.2						
S 29		361		0.5						
S 30		19	2	0.2						
S 31		60	3	0.3						
S 32		44	3	0.2						
S 33		68	3	0.4						
S 34		52	2	0.2						
S 35		48	2	0.2						
S 36		44	1	0.3						
S 37		44	1	0.2						
S 38		42	2	0.2						
S 39		163	3	0.8						
S 40		174	2	0.8						



WIND CLAIM 93-K-6/W

PLATE 1.

SCALE 1:10,000

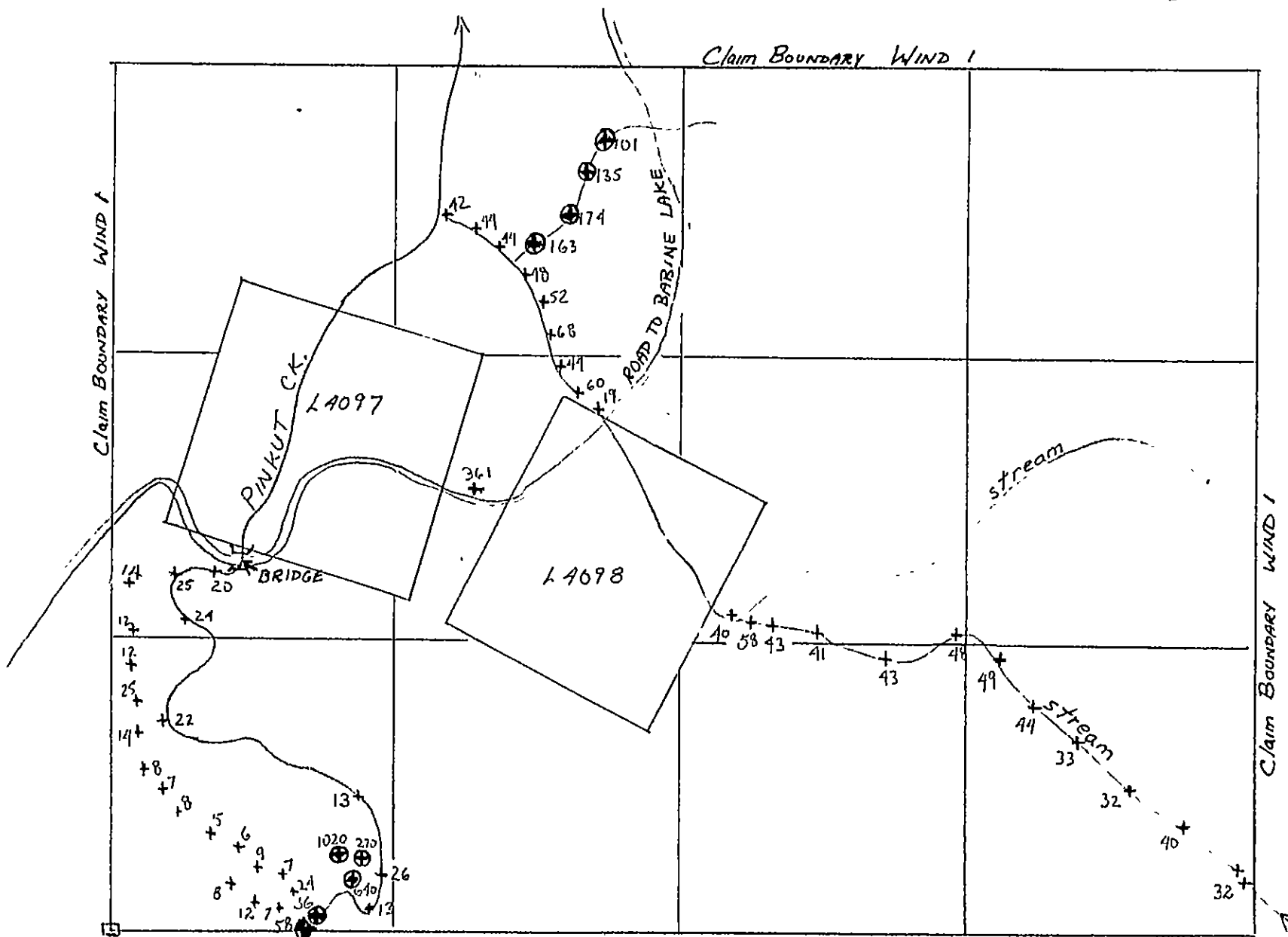
500 m.

GEOCHEMICAL SURVEY

LOCATION - SOILS AND STREAM SILTS

DEC 1982

+ indicates sample location



legal corner post established by pace & compass

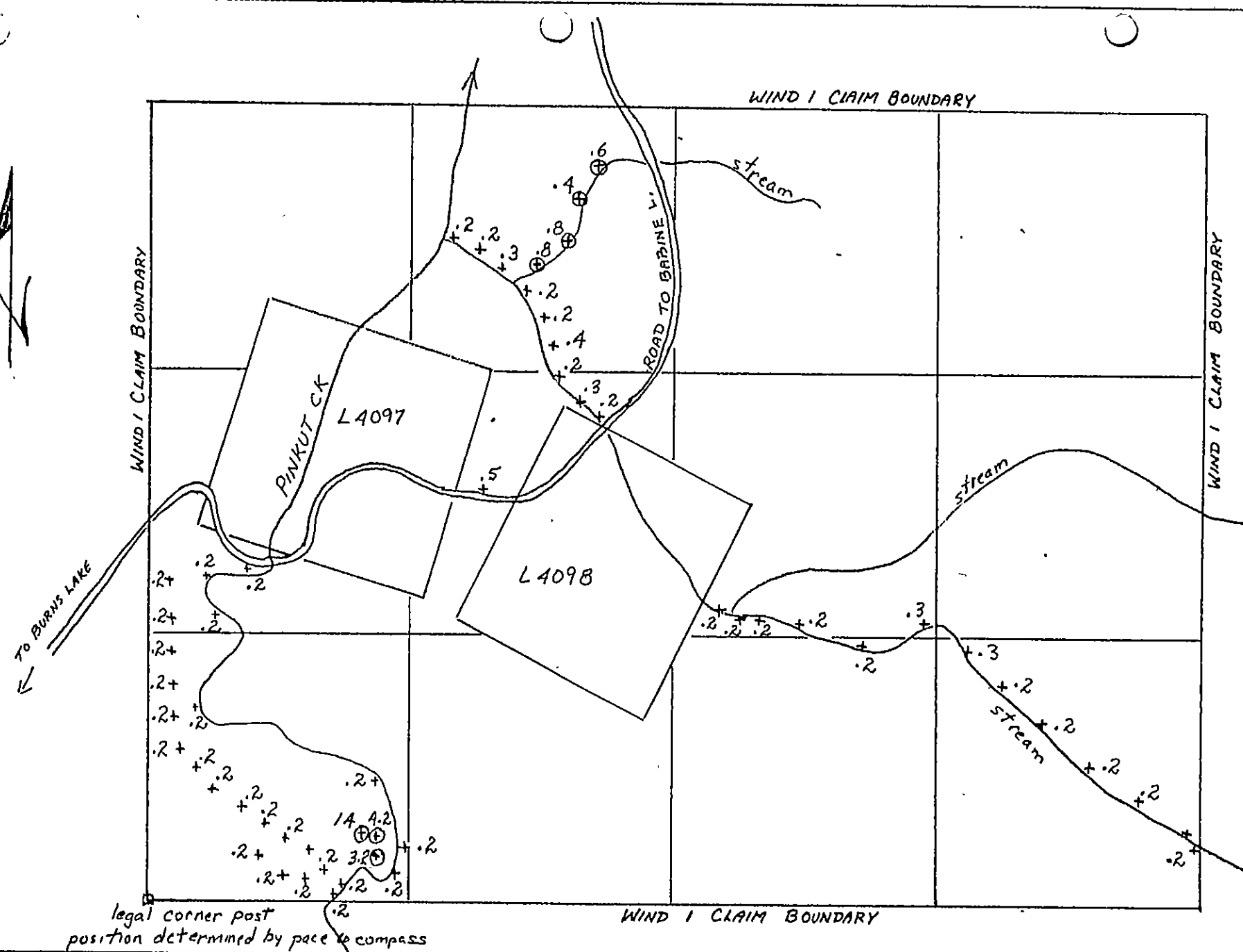
500 m.

SCALE 1:10,000

⊕ indicates anomalous Sample

93-K-61W WIND CLAIM PLATE 2

Cu Geochemical Results
Stream Sediments and Soils
Cu values in p.p.m



+ indicates sample location
⊕ indicates anomalous value.

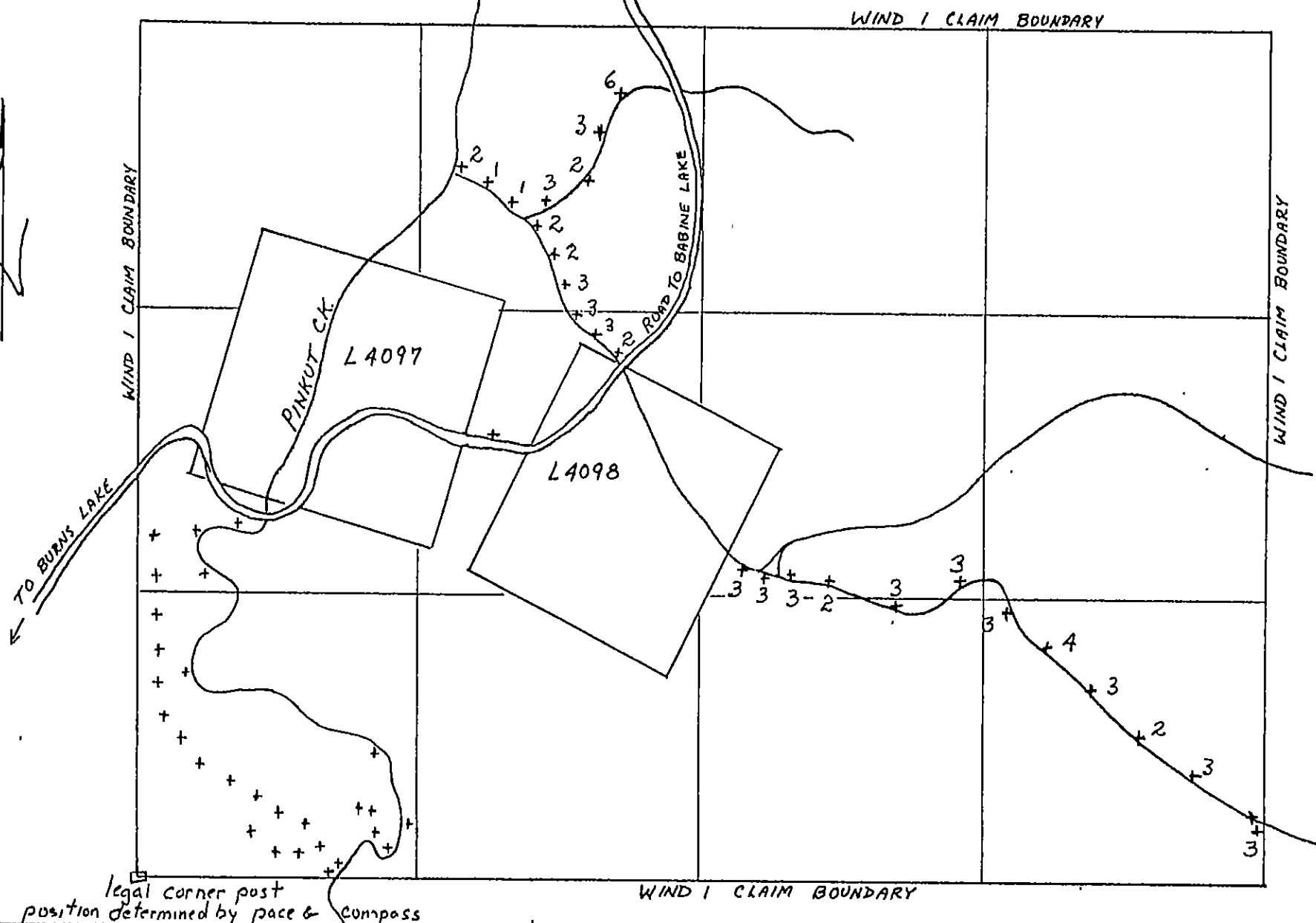
SCALE 1:10,000

500 m.

WIND CLAIM
GEOCHEMICAL SURVEY
Ag in ppm

AUG/82 PLATE 3

93-K-6/W



+ indicates sample location
NB not all samples analyzed for Mo

SCALE 1:10,000
500 m.

WIND CLAIM
GEOCHEMICAL SURVEY
Mo in ppm

AUG/82 | PLATE 4
93-K-6/W

STATEMENT OF COSTS

GEOCHEMICAL SURVEY , AUGUST/1982

WIND CLAIM 93-K-6/W

PROFESSIONAL SERVICES

G. Ryznar P.Eng. Aug. 17 to 22/1982		
6 days @ \$200/day (3 travel, 3 sampling)		\$1200.00
1 day report writing, @ \$150/day		\$ 150.00

ACCOMODATION & MEALS Aug. 17 to 22/1982

Meals 6 days @ \$20.00/day	\$120.00	
Tent Rental 6 days @ \$5.00/day	\$ 30.00	
	<u>\$150.00</u>	\$ 150.00

TRANSPORTATION COSTS Aug. 17 to 22/1982

Vancouver to Burns Lake, B.C. & to property & return		
Prorated cost of truck 1/4 of \$600	\$150.00	
Fuel for vehicle	\$ 93.84	
Equipment for vehicle	\$ 4.43	
Tire repair	\$ 5.50	
	<u>\$253.77</u>	\$ 253.77

GEOCHEMICAL COSTS

Geochemical Analysis		
Sample preparation 54 samples @ \$1.00		\$ 54.00
Analysis 54 samples for Cu, Ag @ \$2.80		\$ 151.20
25 samples for Mo @ \$.90		\$ 22.50

Miscellaneous

Sampling Envelopes	\$16.12	
Maps	\$ 7.95	
	<u>\$24.07</u>	\$ 24.07

Total		<u>\$2005.54</u>
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September 7/1982

