

81-#679.

NUFORT RESOURCES LIMITED

Geochemical Report
on a
Line Cutting & Soil Sampling Survey
Independence Prospect

Latitude 49°39'N Longitude 120°58'W
N.T.S. 92 H/10W

AUTHORS: E. Trent Pezzot, B.Sc.,
Geophysicist
J.S. Vincent, B.Sc., M.Sc.,
P.Eng., Consulting Geologist

DATE OF WORK: July 6-24, 1981

DATE OF REPORT: August 27, 1981

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

9426
No.

Glen E. White

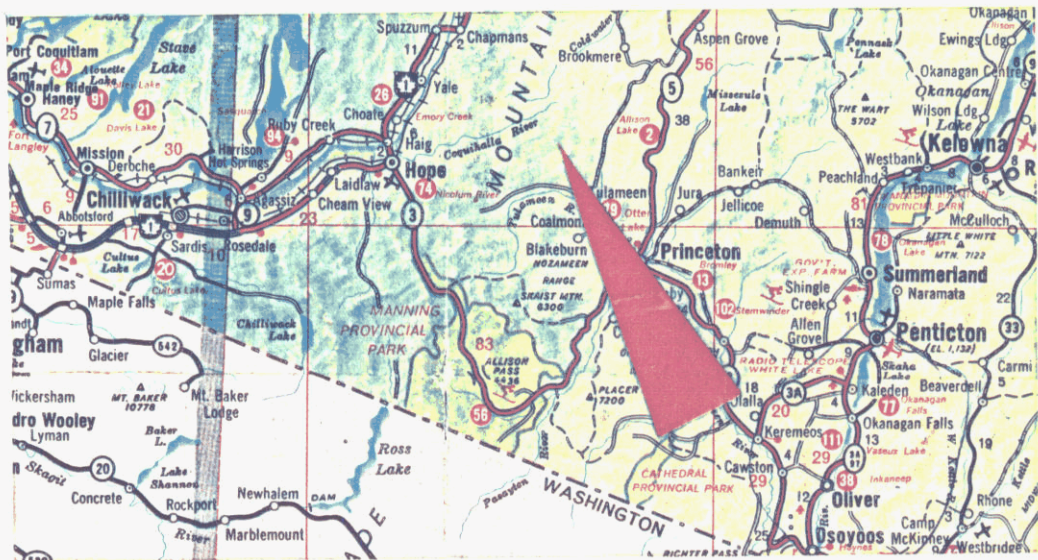
GEOPHYSICAL CONSULTING & SERVICES LTD.

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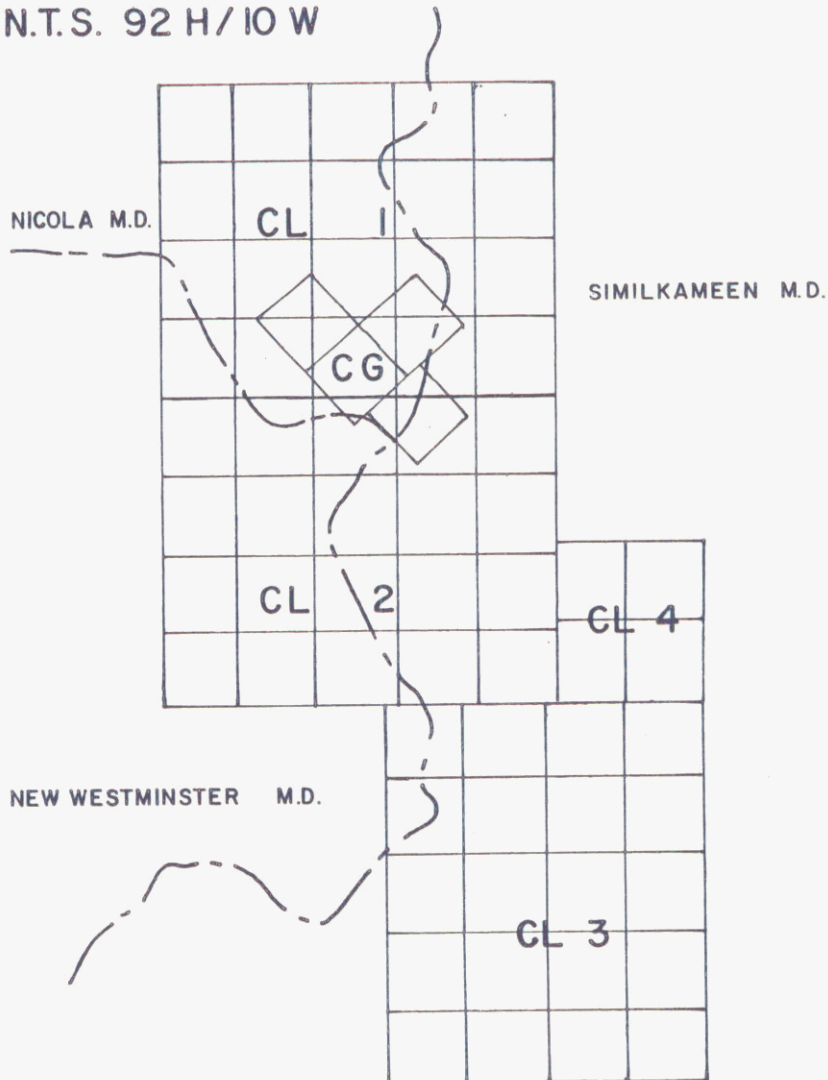
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N.T.S. 92 H/10 W



NUFORT RESOURCES INC.
INDEPENDENCE PROPERTY
CLAIMS AND LOCATION MAP

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FIG. 1

INTRODUCTION

During July, 1981 Glen E. White Geophysical Consulting and Services Limited conducted a program of line cutting and reconnaissance soil sampling on behalf of Nufort Resources Incorporated over their Independence Prospect in the Coquihalla Lakes area of B.C.

The survey grid was established along a porphyry contact and samples gathered were analyzed for copper, zinc, molybdenum and silver.

PROPERTY

The Independence Prospect area is comprised of the following claims; all of which are owned 100% by Nufort Resources Inc.:

4 Crown Granted Claims	1695 - 1698, inclusive	
	Claim 1 - 47463 (533)	20 units
	Claim 2 - 47464 (534)	20 units
	Claim 3 - 47467 (605)	20 units
	Claim 4 - 48688 (736)	4 units

LOCATION AND ACCESS

The Independence Prospect area is situated approximately 25 miles northeast of Princeton, B.C. with approximate geographical co-ordinates of latitude 49°39'N and longitude 120°58'W. The area is located in NTS 92H/10W near the confluence of the Nicola, New Westminster and Similkameen Mining Divisions as shown on Figure 1.

The property area can be reached by truck from Princeton in under two hours. Last year a tractor road, passable by four-wheel drive vehicle, was pushed on to the property and allows for direct access to the survey area.

LOCAL GEOLOGY

A Mesozoic series called the Nicola greenstone has been intruded by a granodiorite batholith, the Eagle granodiorite. The greenstones are mostly schistosed green volcanic rocks representing metamorphosed andesitic and basaltic types. The granodiorite is a medium grained, massive, typically granitic rock. The contact zone between the greenstone and granodiorite parallels the schistosity of the intruded greenstone, trending in a northwesterly direction with granodiorite on the northeast side. The Independence Prospect area straddles this contact zone.

In a zone up to 1500 feet and more wide, along the granodiorite-greenstone contact, there occur irregular bodies and plugs of various types of quartz-feldspar porphyry which are younger than both the granodiorite and greenstone. Although these porphyry bodies and the granodiorite batholith probably have the same distant parentage, the porphyries are nevertheless clearly intrusive into the granodiorite as well as the greenstone.

All the important mineral deposits are in the quartz porphyries, and therefore the area of prime interest from an economic standpoint is the contact zone or strip described above.

PREVIOUS WORK

The original discovery of the area was made around 1900 and in 1909 the Granby Copper Company undertook a program of about 900 feet of drifting, crosscutting and raising from an adit. The four crown grants were staked

at this time and formed the nucleus of the property which has had intermittent work conducted on it ever since.

During 1957-58 Panamerican Ventures conducted a geological survey of the area and did 2,628 feet of diamond drilling in six holes, all located on Crown Grant L-1696. In 1964, Fort Reliance Minerals conducted a preliminary magnetometer and geochemical survey in the area south-east of the four Crown Grants.

Bethex Explorations Ltd. optioned the property in 1965, conducted an induced polarization survey and drilled four holes.

In 1972 Fort Reliance re-staked the area and conducted a program of trenching and stripping in the vicinity of the old trenches on Crown Grant L-1696.

More recently the area was re-staked by Nufort Resources Incorporated who in 1980 pushed a tractor road into the adit area following the contact zone.

SURVEY GRID

A 6.0 kilometer baseline extending from 38+00N to 22+00S was established to follow a geological contact between the greenstone and granodiorite rock units along which irregular bodies of quartz-feldspar porphyry occur.

Survey lines offset at right angles to the baseline were spaced at 200 meter intervals and flagged and numbered along 50 meter station intervals. Thirty-one survey lines, each 1 kilometer in length, were established as shown on the geochemical maps, Figures 2-5 inclusive.

GEOCHEMICAL SURVEY

Soil samples of the upper "B" horizon were taken along the traverse lines at 50 meter intervals. The soil samples were then placed in soil envelopes provided by Chemex Labs Ltd. of North Vancouver, B.C. The samples were delivered to the above lab where -80 mesh sieving, digestion by hot perchloricnitric acid and analysis by atomic absorption were carried out under the supervision of professional geochemists. 274 samples were obtained and analysed for p.p.m. copper, zinc, molybdenum and silver.

DISCUSSION OF RESULTS

Thirty-seven kilometers of survey grid was established by compass and hip chain across the Independence Prospect area in July, 1981. Along this grid 675 soil samples were gathered and analyzed for ppm copper, zinc, molybdenum and silver. The results of this survey are presented in contour form as Figures 2 through 5 inclusive.

The results of the copper analysis define the overall geochemical trends on the property with the zinc, molybdenum and silver anomalies restricted to more localized sites along these trends.

Extending from line 22+00S northward to line 10+00S a high copper geochemical trend is outlined by the 100 ppm values above a background of some 50 ppm. The high value of 425 ppm copper is observed along this trend between lines 20+00S and 22+00S on the grid baseline. This location coincides with the highest zinc and molybdenum

values observed in the area. The zinc response also exhibits a parallel high trend immediately east of this copper trend.

A second, larger copper trend extends from line 2+00S northwest along the baseline to line 20+00N. High soil concentrations of zinc and silver occur coincidentally along the baseline between lines 0+00N and 2+00S at the southernmost limit of this trend. A narrow zone of low copper values splits this large trend into two northward extending arms near line 14+00N. Extremely high values of greater than 10,000 ppm copper are recorded in this area immediately east of the baseline on lines 12+00N and 14+00N (Figure 2). This area also exhibits anomalously high concentrations of silver and molybdenum with the molybdenum map (Figure 4) displaying a nearly identical dispersion of high concentrations as the trend outlined by the copper values. High zinc values are sporadically distributed along this trend with the best correlation to the copper and molybdenum occurring on line 18+00N at station 3+50W.

The strong copper trend terminates abruptly between lines 20+00N and 22+00N. Four isolated samples exhibiting concentrations of greater than 100 ppm copper are observed north of this point. Similarly weak responses of zinc are also noted in this area. There is however evidence of a weak zinc trend starting on line 36+00N and considered open to the northwest of line 38+00N. No anomalous silver values are observed in this area. A well defined molybdenum anomaly is present, extending from line 24+00N to line 30+00N immediately west of and parallel to the baseline. An isolated high on line 34+00N at stations 4+00W and 3+50W is also present.

SUMMARY AND CONCLUSIONS

During July, 1981 thirty-seven kilometers of survey grid were established across the Independence Prospect of Nufort Resources Inc., and soil samples were gathered at 50 meter intervals to be analyzed for concentrations of copper, zinc, molybdenum and silver.

The chemical analysis for copper defined two trends of increased copper concentration in the soils. The smaller trend was observed to strike north-south and extend from line 22+00S to line 10+00S. Localized high concentrations of copper, zinc, and molybdenum were observed at the southern end of this trend along the baseline. A weak zinc trend runs parallel to and due east of the stronger copper anomaly in this area.

The second and larger copper trend extend from line 2+00S to line 20+00N along the grid baseline. Localized concentrations of zinc, silver and molybdenum occur along this larger trend.

A well defined molybdenum trend extending from line 24+00N to line 30+00N occurs northwest from the major copper trend. Indications of a weak zinc trend, open to the northwest, are present on lines 36+00N and 38+00N.

RECOMMENDATIONS

The geochemical trends defined by this survey should be correlated to local topography to determine the probable point of origin of the anomalous metal concentrations. Previous work, specifically the induced polarization, drilling and trenching should be reviewed to determine whether any of the anomalies observed on this survey have

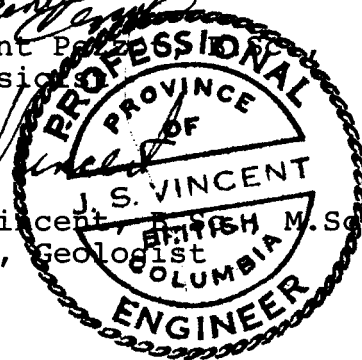
already been precisely identified. Based on these results geophysical exploration of any unidentified features should be continued.

An electromagnetic survey, preferably with the powerful pulse e.m. system, will almost certainly respond to and delineate the greenstone-granodiorite contact. Depending on the strength of this response nearby conductive units may be partially or wholly masked. An induced polarization survey may be better suited to map a porphyry type deposit under these conditions but neither procedure should be eliminated before a review of the present information can determine a more precise type and location of the geophysical target.

Respectfully submitted,

E. Trent
E. Trent
Geophysicist

J. S. Vincent
J. S. Vincent,
P. Eng., Geologist



COST BREAKDOWN

<u>PERSONNEL</u>	<u>DATES</u>		<u>RATE</u>	<u>TOTAL</u>
	<u>FROM</u>	<u>TO</u>	<u>PER DAY</u>	
M. Gray	July 6	July 24	\$150	\$ 2,850.00
B. Crassweller	July 6	July 24	\$120	\$ 2,280.00
B. Evans	July 6	July 24	\$120	\$ 2,280.00
B. Beaudin	July 7	July 24	\$120	\$ 2,160.00
Meals and Accomodations (July 6-9)				\$ 720.00
Vehicle (all inclusive)				\$ 680.00
Camp (equipment and supplies) July 13-24				\$ 2,120.00
Helicopter				\$ 1,390.00
Interpretation, drafting and report				<u>\$ 1,050.00</u>
Total				\$15,530.00

STATEMENT OF QUALIFICATIONS

NAME: PEZZOT, E. Trent

PROFESSION: Geophysicist - Geologist

EDUCATION: University of British Columbia -
B.Sc. - Honors Geophysics and Geology

PROFESSIONAL
ASSOCIATIONS: Society of Exploration Geophysicists

EXPERIENCE: Three years undergraduate work in
geology - Geological Survey of Canada,
consultants.

Three years Petroleum Geophysicist,
Senior Grade, Amoco Canada Petroleum
Co. Ltd.

Two years consulting geophysicist,
Consulting geologist - B.C., Alberta,
Saskatchewan, N.W.T., Yukon, western
U.S.A.

Two years geophysicist with Glen E.
White Geophysical Consulting & Ser-
vices Ltd.

CERTIFICATE

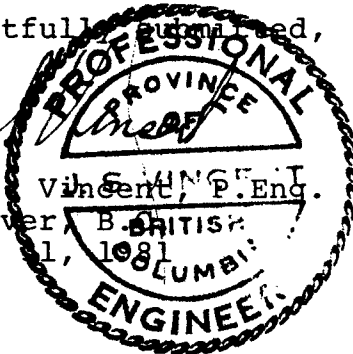
I, John S. Vincent, with residential and business address at 4859 - 12A Avenue, Delta, B.C., do hereby certify that:

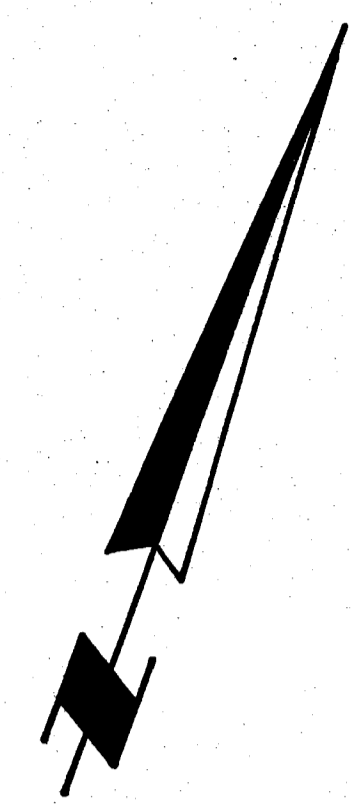
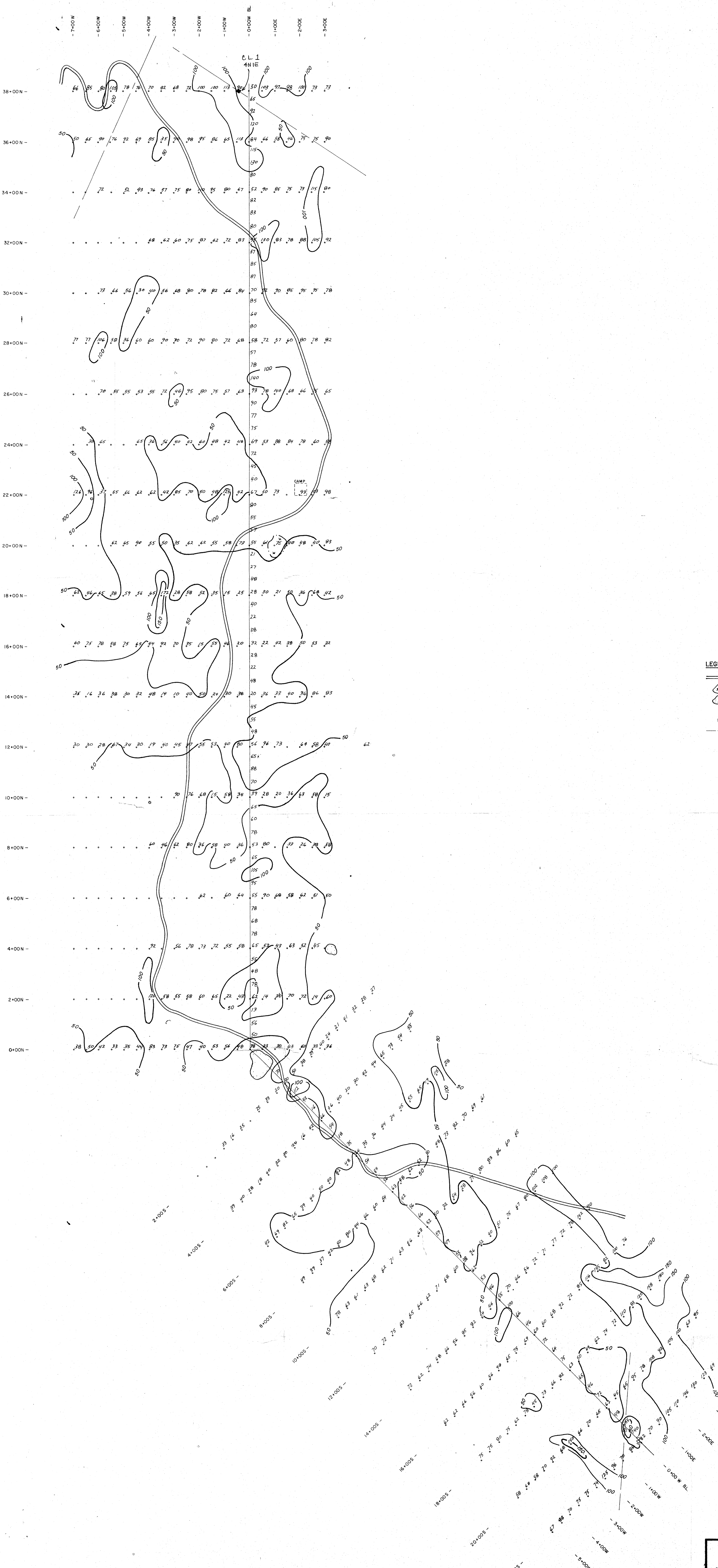
1. I am a practicing Mining Geologist and a registered Professional Engineer in good standing in the Province of British Columbia.
2. I am a graduate of Queen's University, B.Sc., 1959, Geological Sciences, and of McGill University, M.Sc., 1962, Economic Geology.
3. I have practiced my profession since graduation in 1959.
4. The information presented in this report was obtained from surveys carried out by personnel under the supervision of our office.
5. I have no interest in the properties or securities of Nufort Resources Limited, nor do I intend to obtain such interest.
6. Permission is granted for the use of the attached report for the purpose of financing as may be required.

Respectfully submitted,

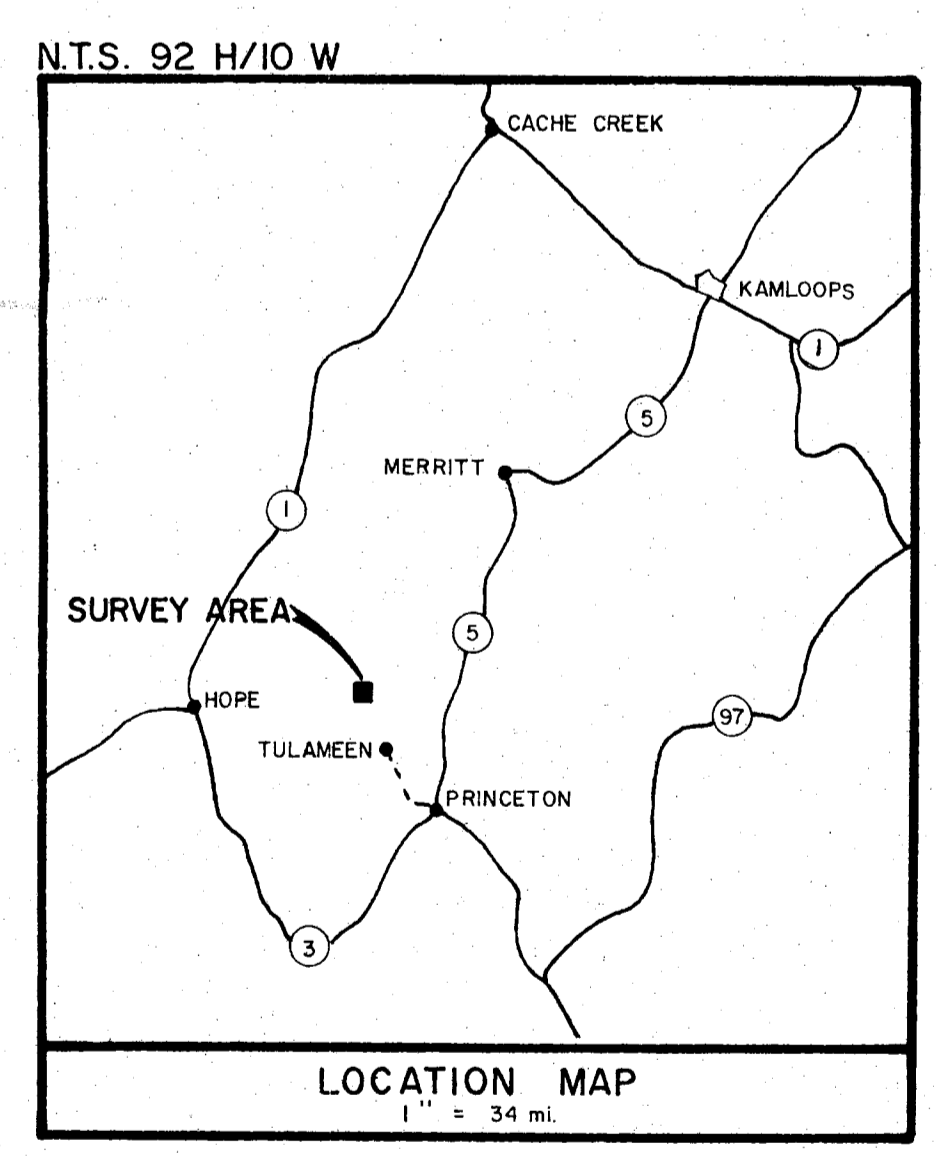
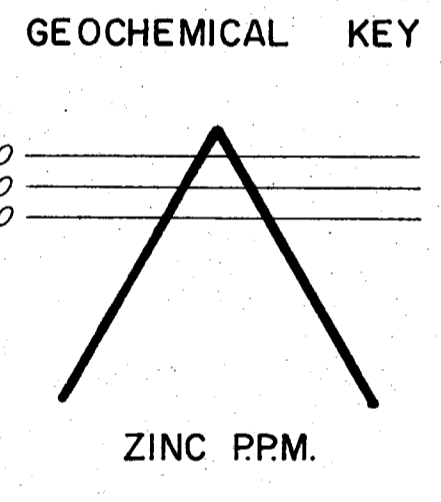
John S. Vincent

John S. Vincent, P. Eng.
Vancouver, B.C.
August 1, 1981

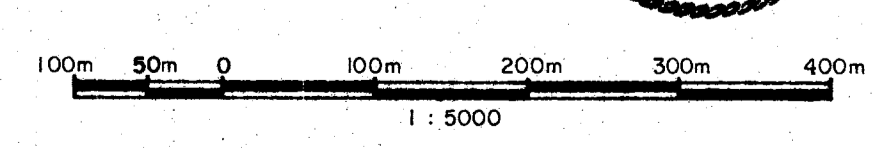
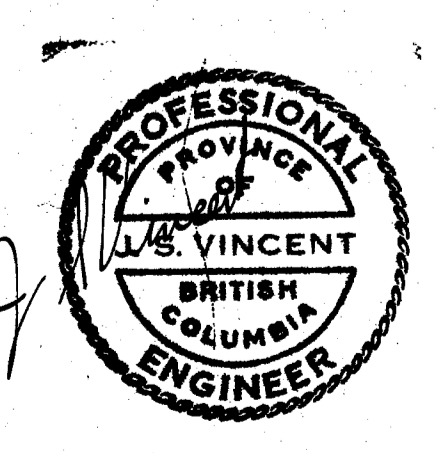

 A circular professional seal for the Province of British Columbia. The outer ring contains the text "PROFESSIONAL ENGINEERS" at the top and "PROVINCE OF BRITISH COLUMBIA" at the bottom. The center of the seal features a stylized signature "John S. Vincent" and the text "P. Eng." below it.



- LEGEND:**
- ROAD
 - SWAMP
 - POND
 - GEOCHEMICAL SAMPLE STATION
 - CLAIM POST
 - CLAIM BOUNDARY



MINERAL RESOURCES BRANCH
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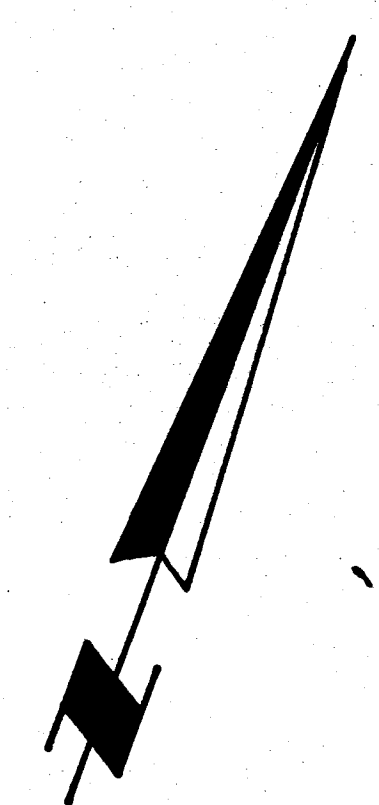
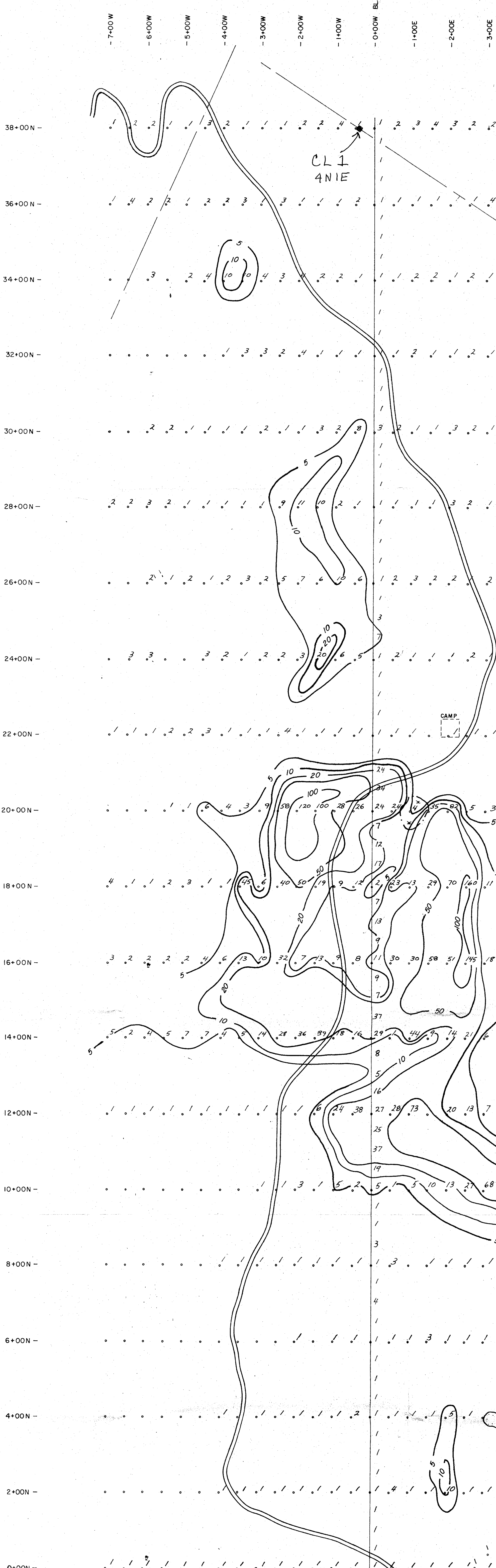


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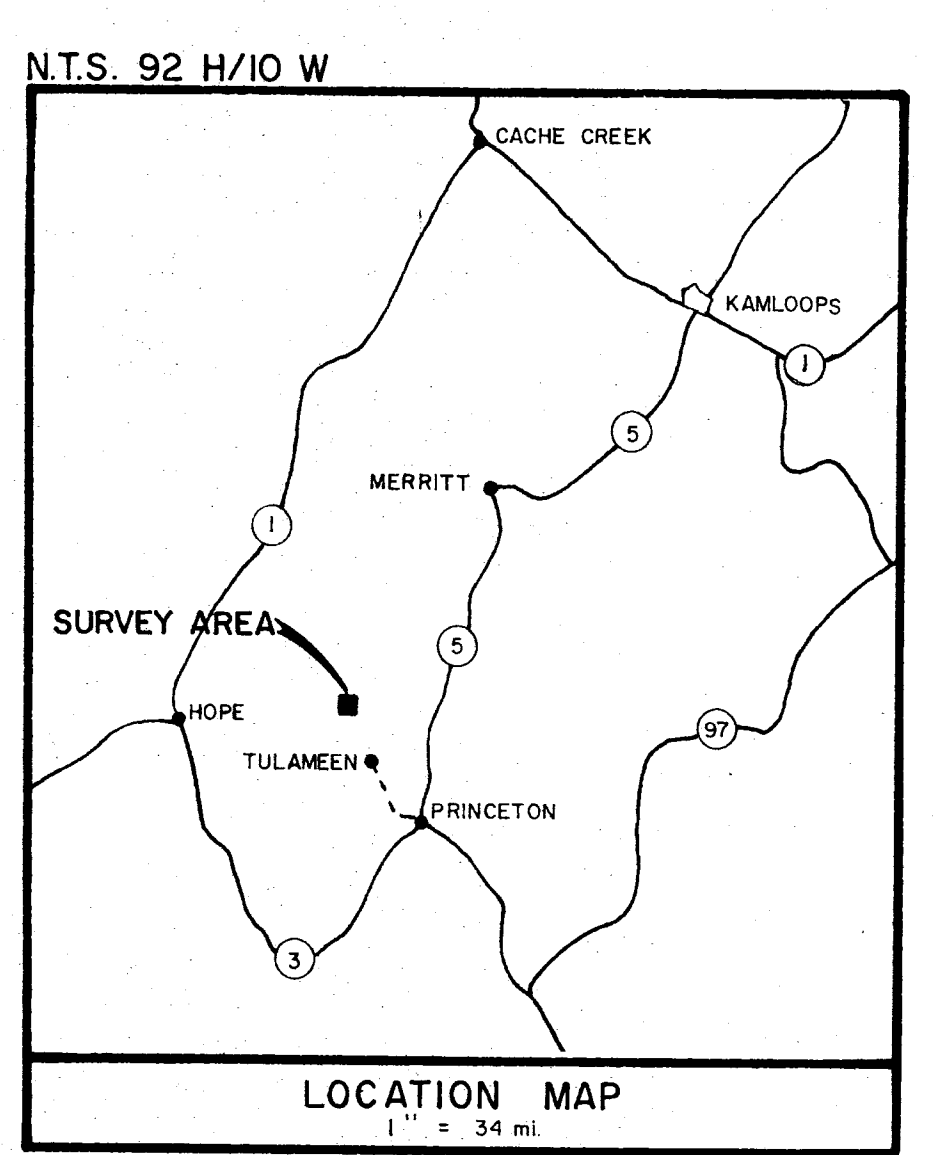
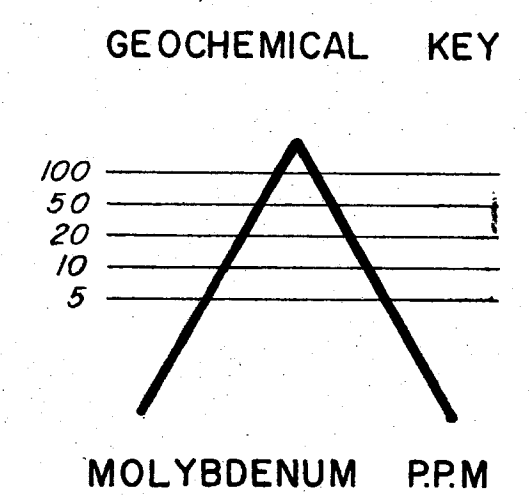
GEOCHEMICAL MAP
ZINC PPM.

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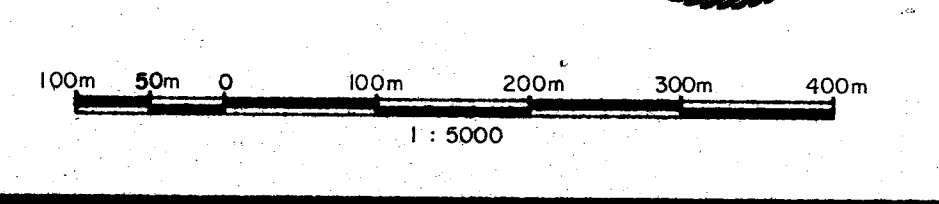
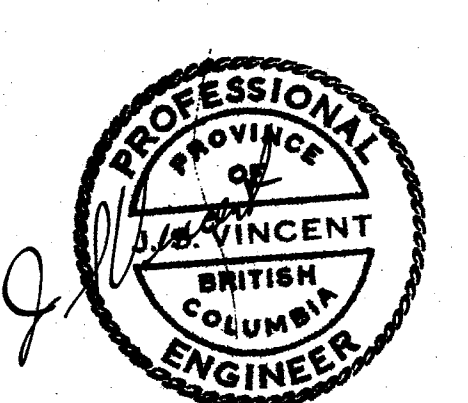
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FIG. No. 3



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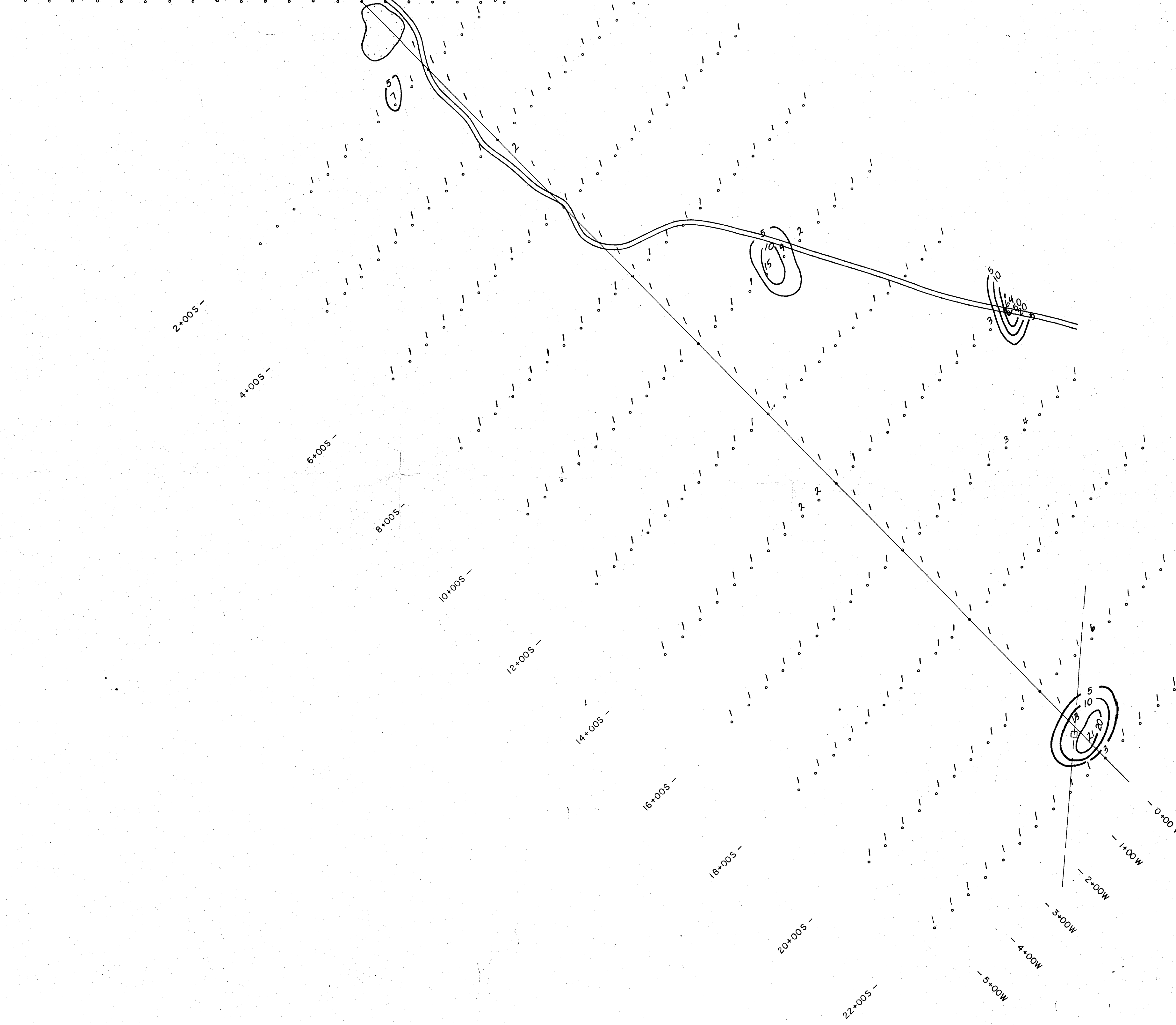


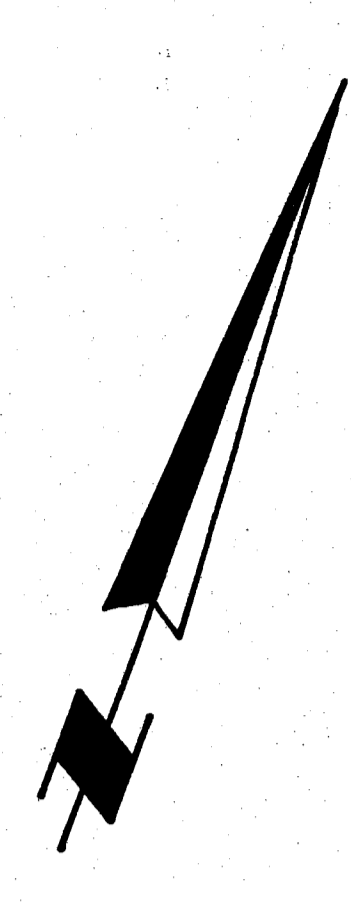
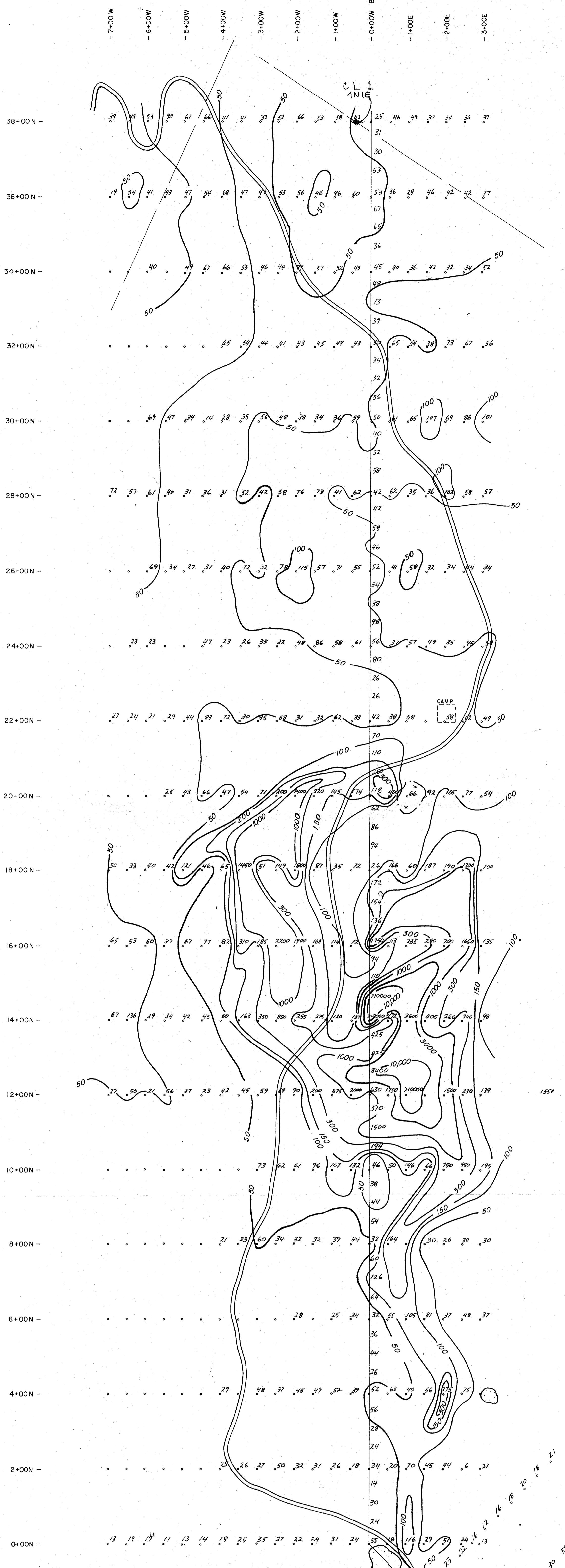
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GEOCHEMICAL MAP
MOLYBDENUM PPM.

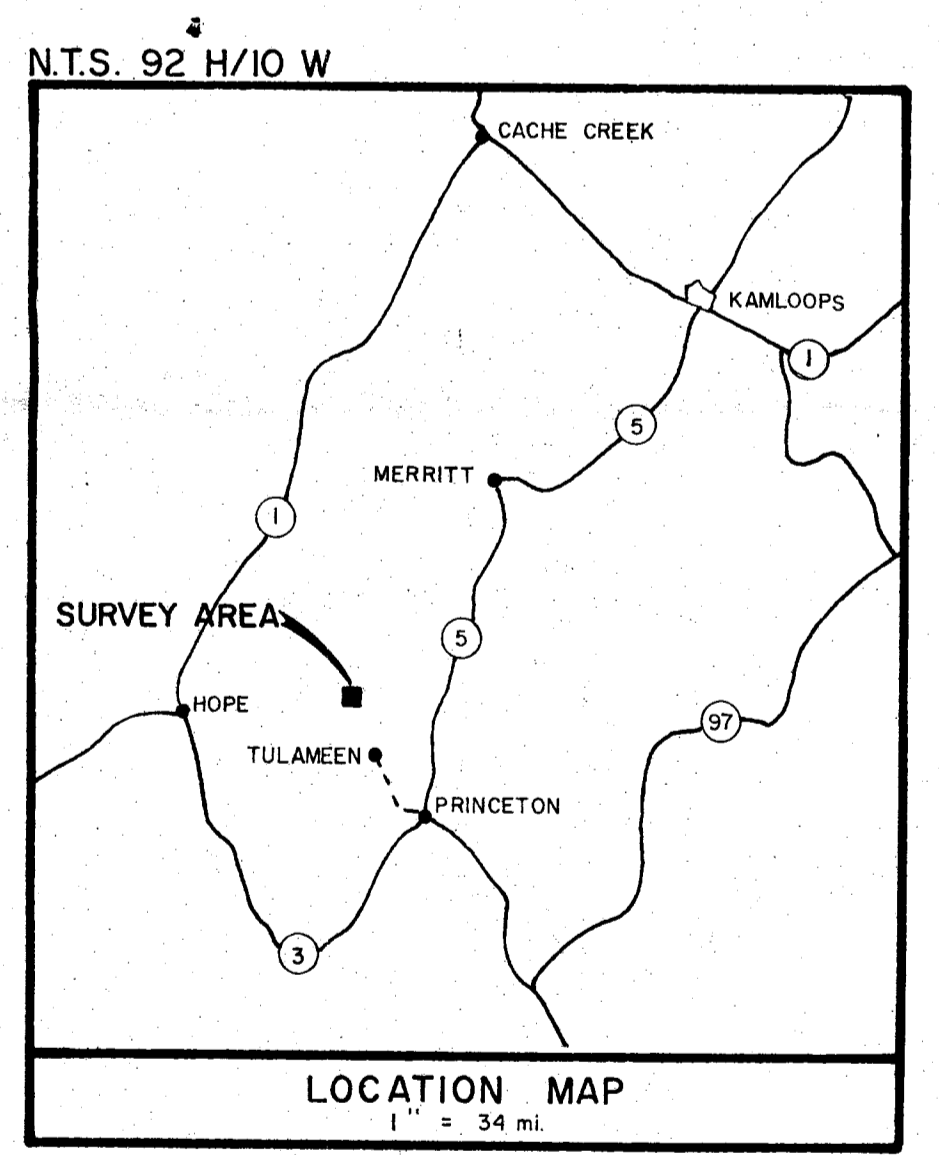
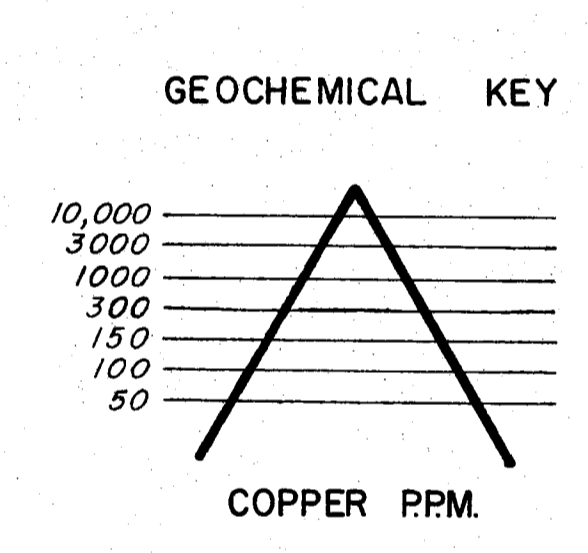
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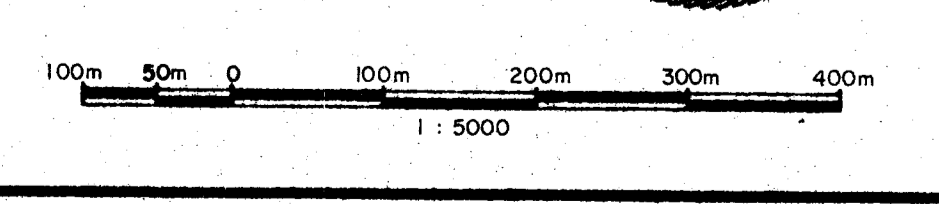




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 - GEOCHEMICAL SAMPLE STATION
 - CLAIM POST
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MINERAL RESEARCH
ASSESSMENT REPORT
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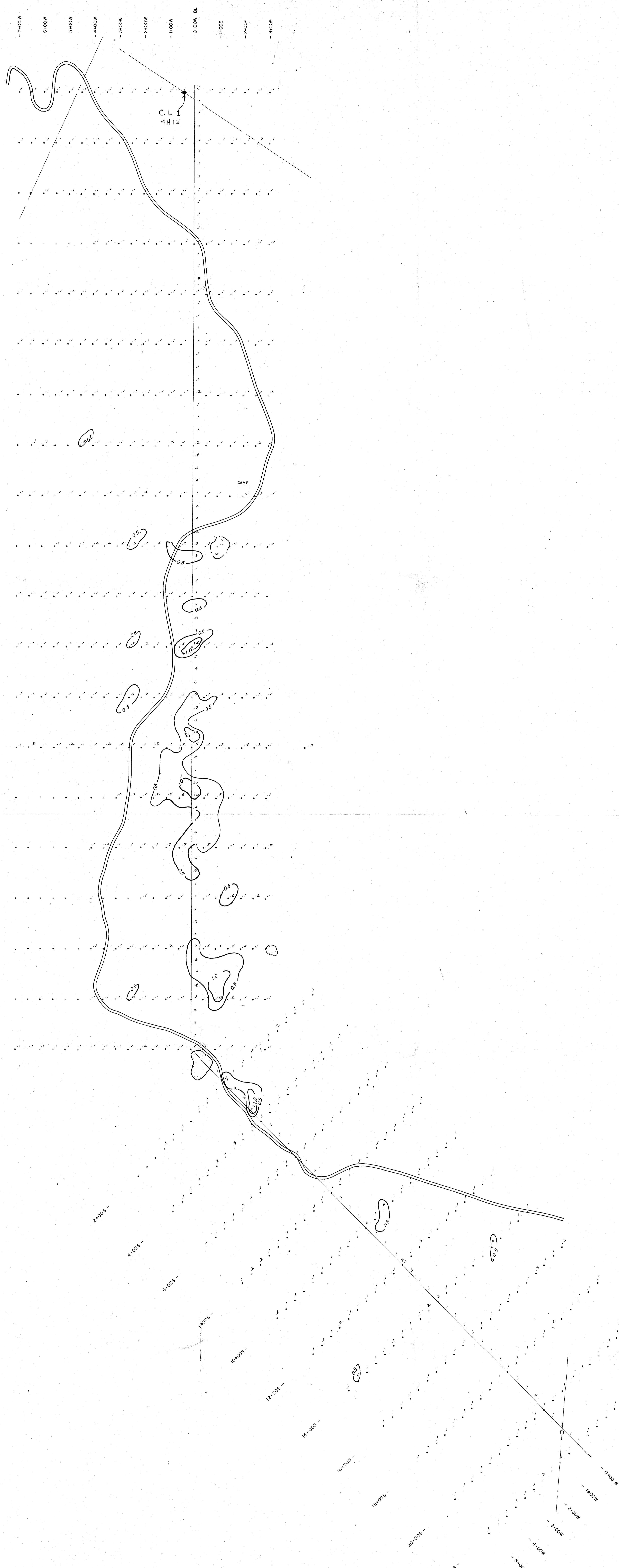


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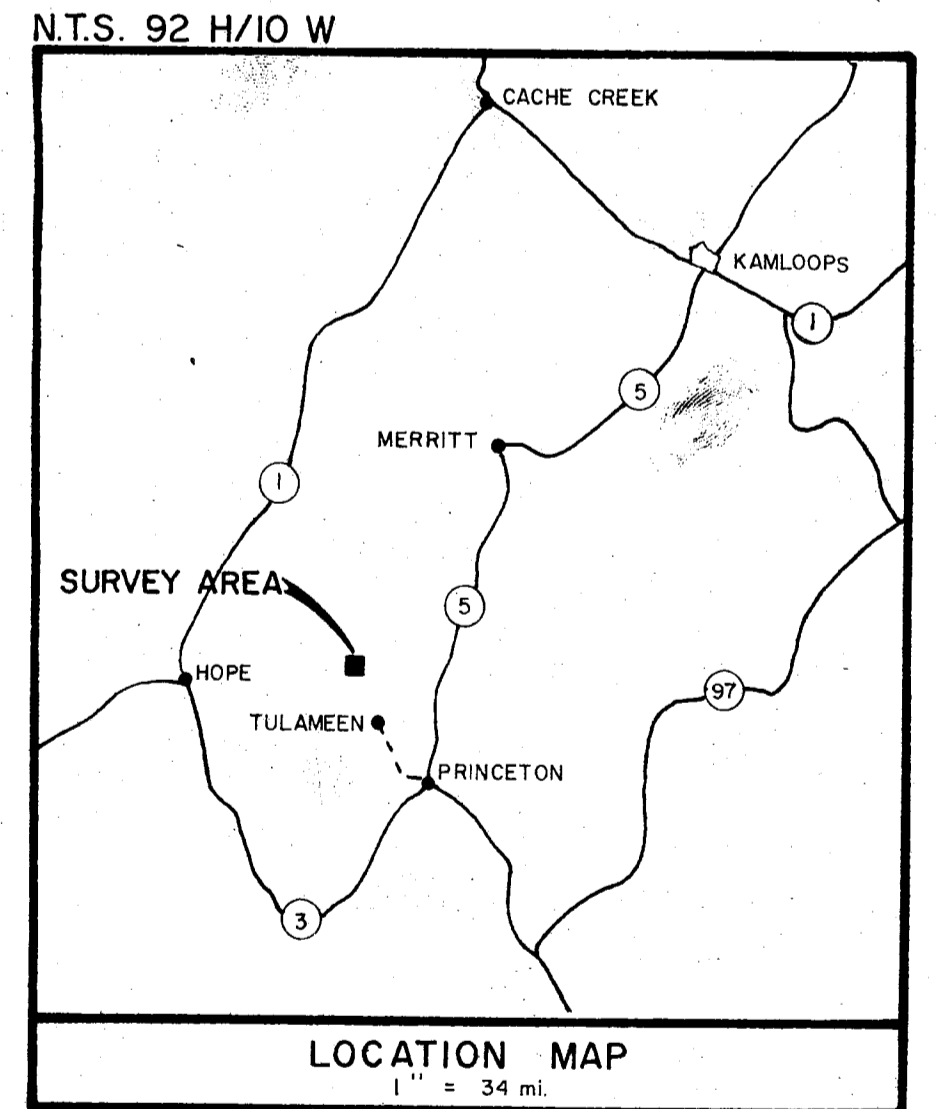
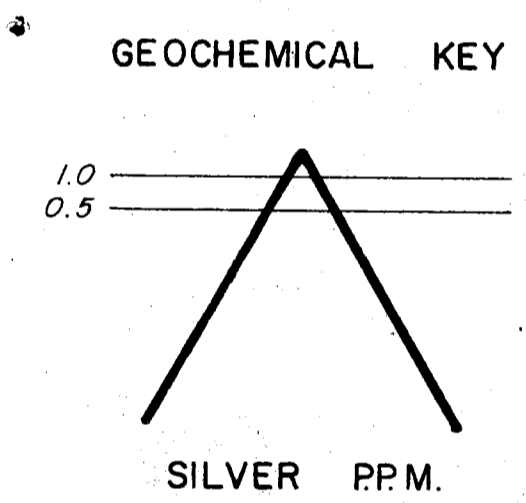
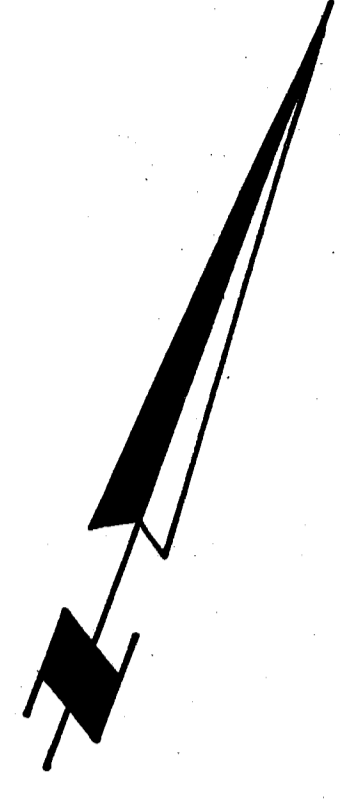
GEOCHEMICAL MAP
COPPER PPM.

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geophysical consulting
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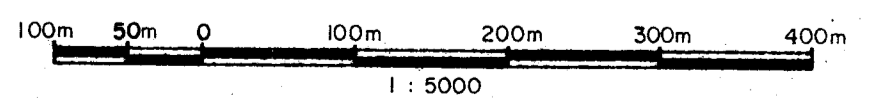
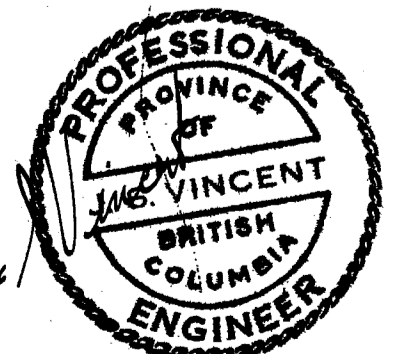
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FIG. No. 2



LEGEND:
 ROAD
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 GEOCHEMICAL SAMPLE STATION
 CLAIM POST
 CLAIM BOUNDARY



MINERAL TECHNOLOGICAL RESEARCH
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NUFORT RESOURCES INC.
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GEOCHEMICAL MAP
 SILVER PPM.

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 FIG. No: 5