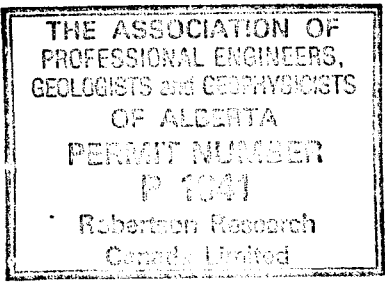


84-#104-#12356.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**



12,356

03/85

GEOCHEMICAL RECONNAISSANCE REPORT

TOPAZ CLAIM

NELSON MINING DIVISION

82 F/2

Lat: 49°09'N Long: 116°46'W

OWNER: GREENWICH RESOURCES, INC.

OPERATOR: GREENWICH RESOURCES, INC.

CONSULTANT CONTRACTOR: ROBERTSON RESEARCH CANADA LIMITED

BY

G. W. SINDEN, CET

and

D. S. EVANS, Ph.D., P.Geol.

Consultant to

ROBERTSON RESEARCH CANADA LIMITED

FEBRUARY 1984

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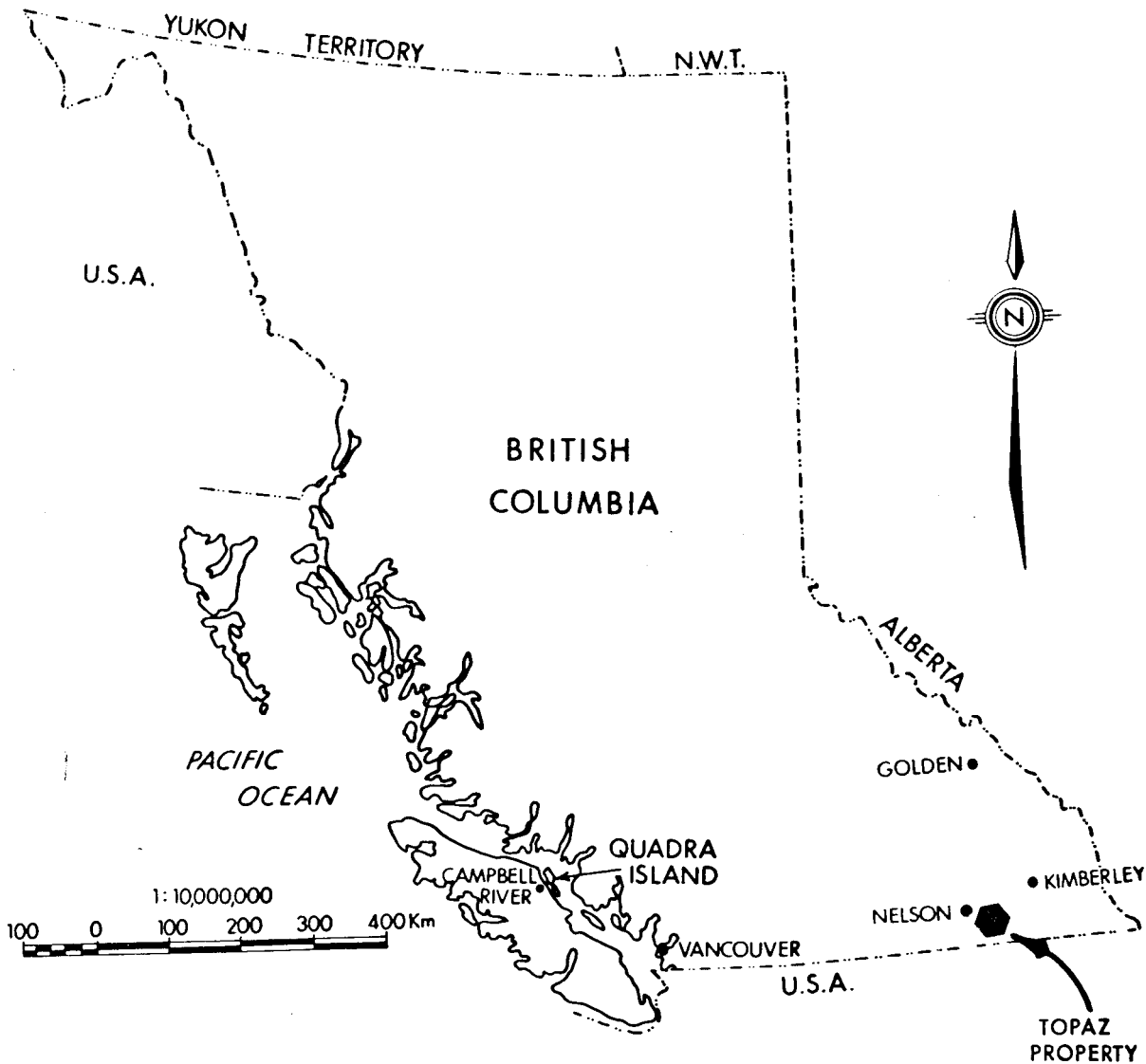
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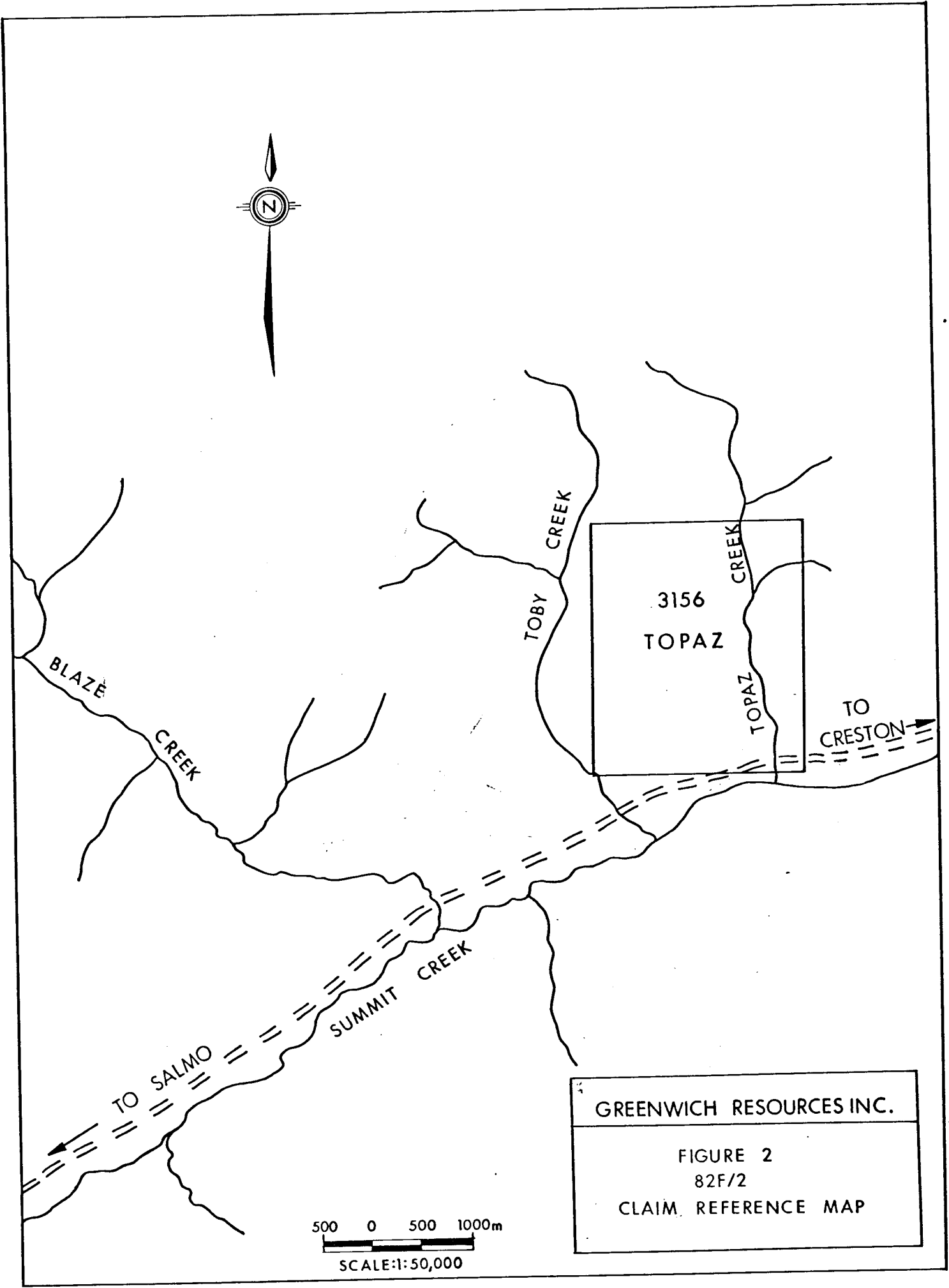
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GREENWICH RESOURCES INC.

FIGURE 1

PROPERTY INDEX MAP



3156
TOPAZ

BLAZE
CREEK

TOBY
CREEK

TOPAZ
CREEK

TO
CRESTON

TO SALMO

SUMMIT
CREEK

500 0 500 1000m
SCALE: 1:50,000

GREENWICH RESOURCES INC.
FIGURE 2
82F/2
CLAIM, REFERENCE MAP

3.0 GEOLOGY

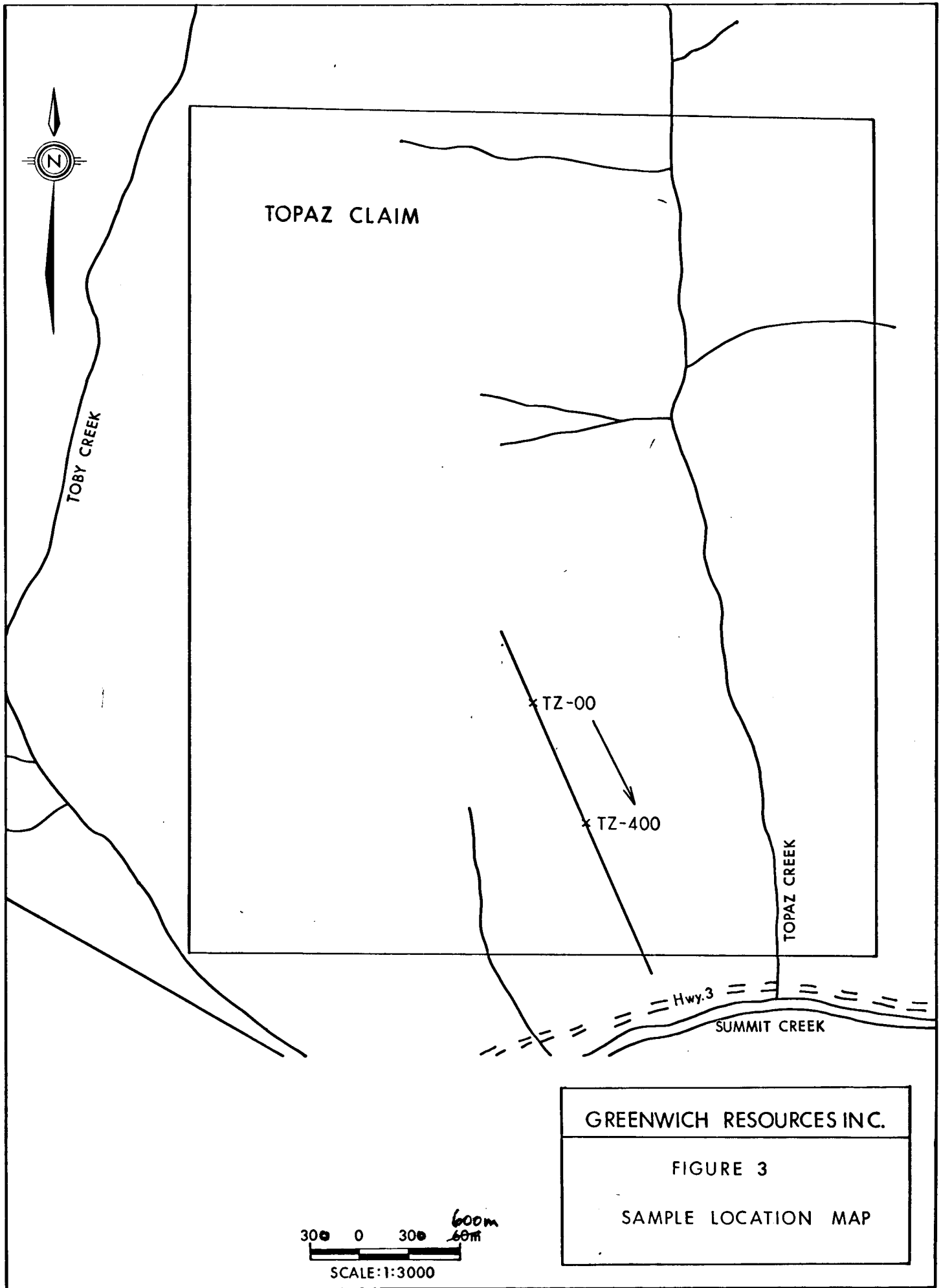
The Topaz Claim is underlain by rocks of the Aldridge Formation and Dutch Creek Formation both of Proterozoic age (Canada Department of Mines and Resources Map 603A, Rice, 1941). These formations are primarily of sedimentary origin and include argillites, limestones and quartzites.

Mineral potential of the Topaz Claim is related to base and precious metal containing quartz veins hosted in folded and faulted members of the Aldridge and Dutch Creek Formations.

4.0 GEOCHEMISTRY

Twenty-three stream sediment samples were collected from the Topaz Claim and analysed for Cu, Pb, Zn, Ni, Co, Ag, Sn (Appendix 2). Stream sediment "fines" from the active channel was the preferred sampling media. Stations are plotted on Figure 3 and results plotted on Figure 4.

A Cu-Zn anomaly has been identified at stations TZ-20 to TZ-60; and, a zinc anomaly has been identified at stations TZ-80 to TZ-150 (see Appendix 2). Both anomalies are of weak to moderate magnitude.



TOPAZ CLAIM

TOBY CREEK

TOPAZ CREEK

x TZ-00

x TZ-400

Hwy. 3

SUMMIT CREEK

GREENWICH RESOURCES INC.

FIGURE 3

SAMPLE LOCATION MAP

30 0 30 60m
SCALE: 1:3000

73,8,60,57 • TZ-00

87,8,68,60 • 10

102,8,81,73 • 20

• NS

59,6,53,49 • 40

89,10,82,78 • 50

Weak
Cu / Zn
Anomaly

92,16,88,98 • 60

72,16,85,79 • 70

50,18,140,80 • 80

64,16,89,78 • 90

61,14,89,70 • 100

42,15,199,63 • 110

36,24,200,44 • 120

50,19,157,85 • 130

60,12,98,66 • 140

37,14,117,46 • 150

94,23,83,63 • 330

34,13,41,20 • 340

42,13,45,27 • 350

52,14,53,32 • 360 370

35,10,50,28 • 380

71,17,85,56 • 390

44,9,60,35 • TZ-400

Unnamed Seasonal Stream
82F/2



Area believed
to host "Topaz"
occurrence
(appendix 4)

TZ-10 Stream Sediment Reference No.
Cu, Pb, Zn, Ni (ppm)



SCALE: 1:500

GREENWICH RESOURCES INC.

FIGURE 4
RECONNAISSANCE
GEOCHEMICAL RESULTS
STREAM SEDIMENT SURVEY

5.0 CONCLUSIONS

Reconnaissance stream sediment sampling survey results from the Topaz claim have identified moderate copper and zinc anomalies. Followup stream and soil sampling is necessary to establish the source area(s) of these anomalies.

6. RECOMMENDATIONS

More detailed and systematic soil, rock and stream surveys are recommended for the Topaz Claim. Prospecting and mapping are recommended in areas of outcrop. It is important that the Topaz Cu, Ni, Sn, Ag, Pb, Zn occurrence identified on the British Columbia Mineral Inventory data base (Appendix 4) be located.

7. SELECTED REFERENCES

Rice, H. M. A., 1941.

Nelson (East Half) Map Area, Canada Department of
Mines and Resources Map 603A.

"Nelson Map-Area, East Half, British Columbia."
Geol. Surv. Canada, Memori 228.

CERTIFICATE

I, Gordon W. Sinden, currently residing at 2607, 123 - 10th Avenue S.W., CALGARY, Alberta, T2R 1K8, hereby certify that:

1. I am a geological technologist and have practised my profession since 1977.
2. I am a graduate of Northern Alberta Institute of Technology (1977) in Mineral Resources Technology.
3. I am a registered Engineering Technology (Resources Technology) with the Alberta Society of Engineering Technologists.
4. I visited the Topaz Claim on May 24, 1983 and carried out the work described in this report.

March 15/84

Date

Gordon Sinden

Gordon W. Sinden, C.E.T.

CERTIFICATE

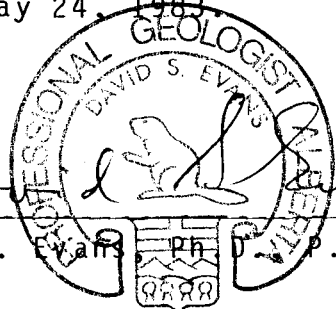
I, David S. Evans, currently residing at 5232 Viceroy Drive N.W., CALGARY, Alberta T3A 0V7, hereby certify that:

1. I am a mining exploration geologist and have practised my profession since 1966.
2. I am a graduate of the University of British Columbia with a B.Sc. (1966) in Chemistry and Geology, and a graduate of the Royal School of Mines, University of London (U.K.) with a Ph.D. (1971) in Applied Geochemistry.
3. I am a registered Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, a member of the Society of Exploration Geochemists, and a fellow of the Geological Society of Canada.
4. The work in this report was carried out under my supervision
5. I visited the Topaz Property on May 24, 1983.

March 15/84

Date

David S. Evans
David S. Evans Ph.D. P. Geol.

A circular seal for a Professional Geologist. The outer ring contains the text "PROFESSIONAL GEOLOGIST" at the top and "ALBERTA" at the bottom. Inside the ring, the name "DAVID S. EVANS" is written in a curve. The center of the seal features a stylized profile of a geological hammer and pickaxe. Below the seal, there is a small rectangular stamp with the letters "P.G." and "R.R.R." inside.

APPENDIX 1

ANALYTICAL INFORMATION

Laboratory: TerraMin Research Labs Ltd.
Calgary, Alberta

Mesh Size: Stream sediments / -80 mesh

Extraction: For Pb/Zn Nitric-perchloric dissolution to
Ag/Cu/Co/Ni: dryness, taken up in dilute HCl

For Sn: Nitric-perchloric dissolution to
dryness, taken up in dilute HCl.
Stannine evolution.

Analysis: Atomic Absorption

APPENDIX 2

GEOCHEMICAL DATA



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-123

Robertson Research

Date July 12, 1983

Client Project TOPAZ

Page 1/7

Sample No. <u>Soil</u>	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Sn ppm
TZ - 00	73	8	60	57	15	0.5	-1
10	87	8	68	60	19	0.3	1
20	102	8	81	73	19	0.3	1
40	59	6	53	49	12	0.2	-1
50	89	10	82	78	17	0.3	-1
60	92	16	88	98	22	0.4	-1
70	72	16	85	79	18	0.3	-1
80	50	18	140	80	22	0.2	-1
90	64	16	89	78	20	0.3	-1
100	61	14	89	70	23	0.4	-1
110	42	15	199	63	23	0.4	1
120	36	24	200	44	18	0.3	-1
130	50	19	157	85	18	0.3	1
140	60	12	98	66	19	0.2	-1
150	37	14	117	46	17	0.2	-1
330	94	23	83	63	23	0.3	-1
340	34	13	41	20	16	0.2	-1
350	42	13	45	27	12	0.2	-1
360	52	14	53	32	13	0.1	-1
370	28	7	46	22	7	0.1	-1
380	35	10	50	28	13	0.1	-1
390	71	17	85	56	18	0.3	-1
400	44	9	60	35	15	0.1	-1

APPENDIX 3

STATEMENT OF
EXPLORATION EXPENDITURES

STATEMENT OF 1983 EXPENDITURES
TOPAZ CLAIMS

NAME/ADDRESS	DAYS WORKED	WAGES			SUBSISTENCE		
		Days Worked	Daily Rate	Total Wages	Total Days	Rate Per Day	Amount
Gordon W. Sinden Senior Technologist Robertson Research Canada Ltd. 300, 604 - 1st Street S.W. CALGARY, Alberta T2P 1M7	May 24,	1	\$155.00	\$155.00	1	\$25.00	\$25.00
David S. Evans Exploration Manager/Geochemist Robertson Research Canada Ltd. 300, 604 - 1st Street S.W. CALGARY, Alberta T2P 1M7	May 24	1	\$360.00	\$360.00	1	\$25.00	\$25.00
Tim Joveski Field Assistant R.R. #1 Nelson, B.C. V1L 5P4	May 24, June 10	2	\$110.00	\$220.00	2	\$25.00	\$50.00
Ken Konkin Field Assistant Box 52 Nelson, B.C. V1L 5P7	May 24, June 10	2	\$110.00	\$220.00	2	\$25.00	\$50.00
				TOTAL \$ 955.00	TOTAL \$ 150.00		

STATEMENT OF 1983 EXPENDITURES
TOPAZ CLAIM

Other Expenditures

Field Office Rental	\$ 60.00
Supplies and Equipment	100.00
Truck Rental (incl. gas, oil, maintenance)	90.00
Mileage and Expenses	30.00
Freight	15.00
Communications - Telephone	10.00
Analyses	241.50
Drafting	100.00
	<hr/>
Total Other Expenditures	\$ 646.50

Summary

Total Wages	\$ 955.00
Total Subsistence	150.00
Total Other Expenditures	646.50
	<hr/>
Total Project Costs	\$ 1751.50
Report Preparation	300.00
	<hr/>
TOTAL 1983 EXPENDITURES	\$ 2051.50

APPENDIX 4

MINERAL INVENTORY OCCURRENCE
TOPAZ CLAIM AREA

Topaz 82F/2W

Lat: 4908.8 Long: 11645.8 Elev: 900m

Commodities present: Cu, Ni, Sn, Ag, Pb, Zn.

Minerals present: CLCP, GLEN, SPLR, PYTT, CSTR.

Galena, sphalerite and cassiterite occur
in a quartz vein in metasedimentary
rocks.

Chalcopyrite and pyrrhotite are
disseminated in a diorite sill.

Location comment: Common boundary of Topaz #1 - #3.

Bibliography:

1. BCDM GEM 1969 - 321
2. BCDM ACS. Report 2062