

GEOCHEMICAL ASSESMENT REPORT

On The

HAG2 CLAIM

OMINECA M.D.
93L/3E

Latitude 54°10'N

Longitude 127°02'W

July 5 - 6, 1983

owner/operator S. Zastavnikovich

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,480

Vancouver, B.C.
July, 1984

S. Zastavnikovich

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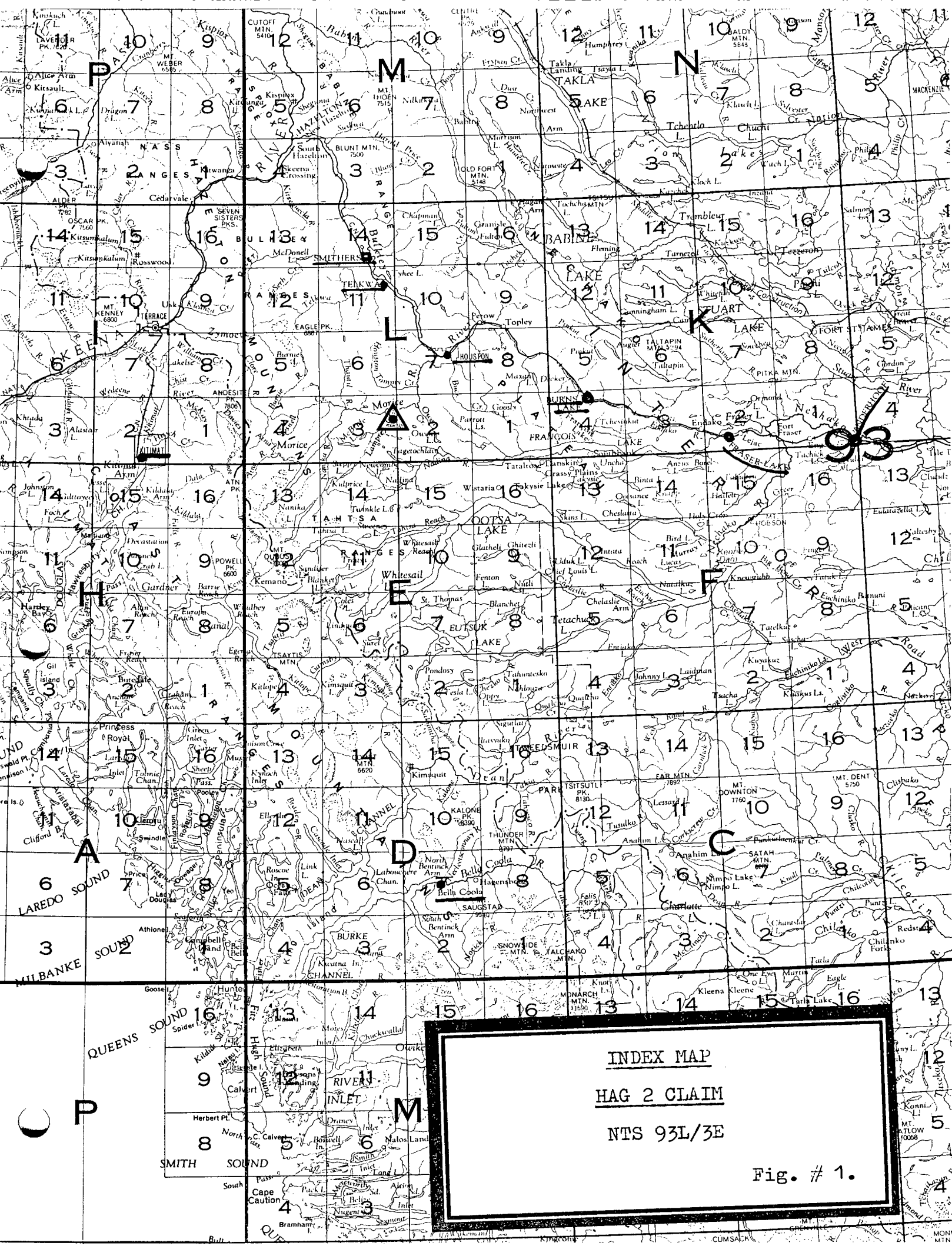
APPENDICES

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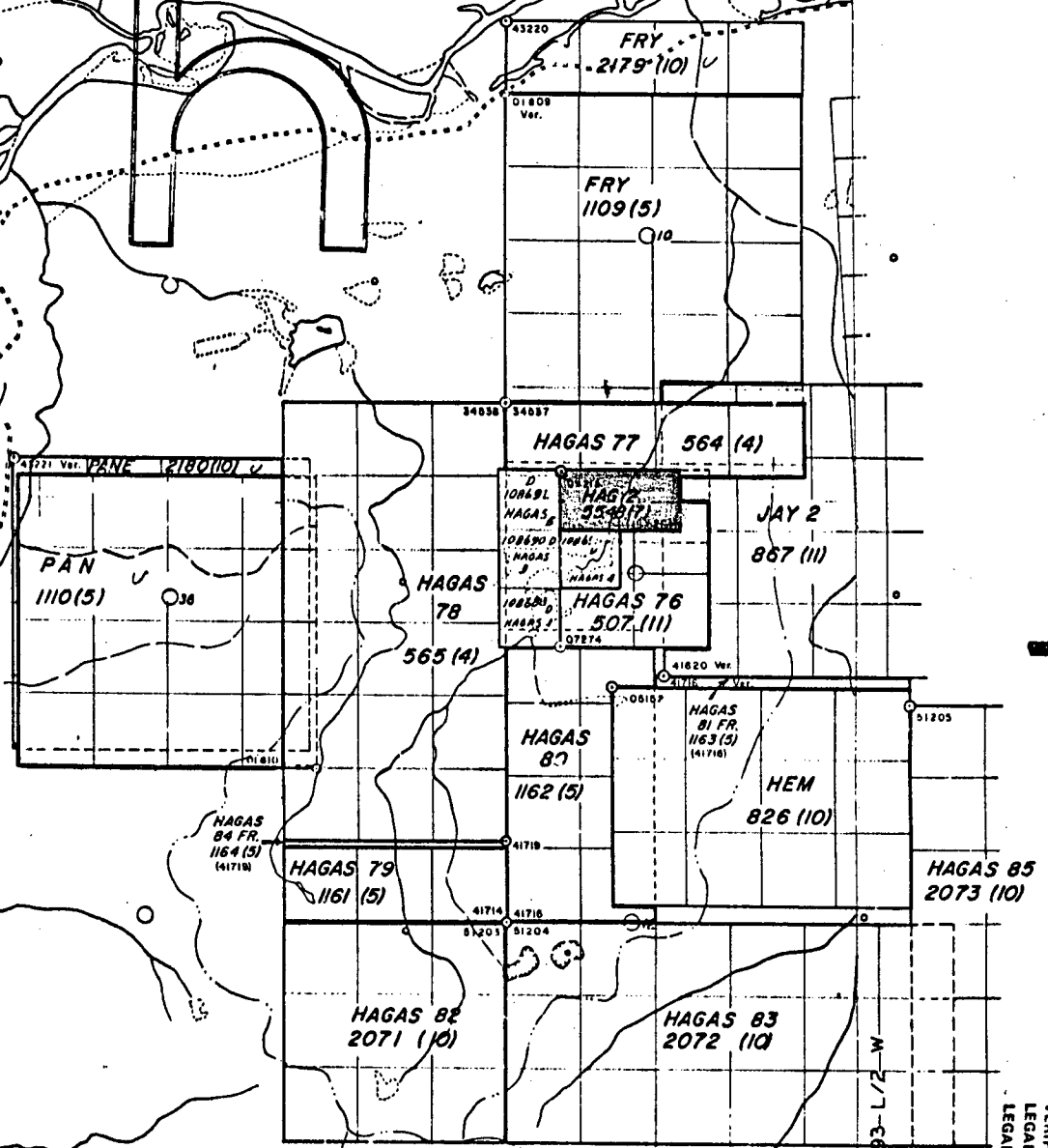
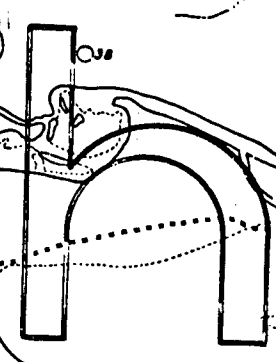
MAPS

1. Scale 1:⁵⁰⁰⁰~~10,000~~ Geochemical and Geology Map, with topography and claim outlines for the HAG 2 Claim, (Fig 3) in pocket /



INDEX MAP
HAG 2 CLAIM
NTS 93L/3E
Fig. # 1.

River

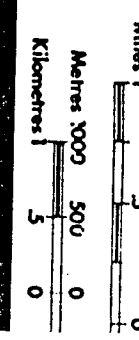


Pimpernel

YETI
4695(8)
(S&K 4W)

CLAIM MAP
HAG 2 CLAIM
NTS 93L/3E
Fig. #2.

CROWN-GRANTED MINERAL CLAIM
REVERTED C.G. MINERAL CLAIM
FORFEITED MINERAL CLAIM
VERIFIED LEGAL CORNER POST
LEGAL SURVEY
LEGAL CORNER POST & TAG NUMBER



TO EAST SEE MAP 93-L/2-W

GEOCHEMICAL ASSESMENT REPORT ON THE HAG2 CLAIM

Omineca M.D., West - Central, B.C.

INTRODUCTION & DESCRIPTION

The HAG2 Claim, containing a total of two units, is located 2.5 km south of Morice River and 3.5 km east of Lamprey Creek, some 32 km southwest of the town of Houston.

The HAG2 Claim was staked by the writer over the previously expired Hagas6 and Hagas16 Claims. As the large scale map indicates (Fig. 3), the LCP is located in a small draw near the top of the main north-south ridge in the area.

Access to the claim is from Houston via the Morice River road (42 km), then by good logging road for 4.5 km to the LCP.

GENERAL GEOLOGY

The general geology of the claim area, as shown on the geological base map (Fig. 3), was copied from the latest GSC 1:125,000 geology map for the area by H.W. Tipper (GSC O.F. 351, 1976). The Jurassic volcanics of the Hazelton Group underlie most of the claim, with the Eocene Buck Creek Volcanics occupying the southeastern corner. Some glacial dispersed intrusive float of diorite to gabbro composition was observed in the field.

GEOCHEMICAL SURVEY

While geochemical stream sediment sampling was the main purpose of the survey, rock outcrop samples were also collected where available along the silt-sampling traverses. Because of the small claim area and very poor drainage pattern, only a handful of high quality stream sediments and seven rock chip samples were taken. All samples were analyzed for 26 element ICP, plus gold and mercury at Min-En Laboratory in N.Vancouver, using geochemical methods described overleaf.

Complete analytical results are directly inscribed on the geochemical 1:5,000 scale sample location map (Fig. 3).

Stream Sediment Geochemistry - A specially constructed perforated pan and sieve was used for collection of stream sediment samples in order to enhance the uniformity of the material sampled, which in turn makes it possible to identify subtle trace element anomalies.

Except for the gully sample near the LCP, which is anomalous in zinc, the stream sediments did not provide useful information in this area mainly because of thick glacial cover and poor drainage network. The sediment samples would have to be taken much further downstream, at a lower elevation, to capture the hydromorphic contribution of the bedrock-circulating groundwaters.

Analytical Procedure - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight of 5.0 or 10.0 grams is pretreated with HNO_3 and HClO_4 mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25% HCl to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°C for 4 hours, then digested in HNO_3 and HCl acids mixture, and analyzed by the Hatch and Ott flameless AA method.

Rock Geochemistry - Due to the extensive overburden cover in the central portion of the claim, only several volcanic outcrops were located and sampled around the periphery, as well as a couple of intrusive floats (#103,105).

Only the two samples from the northwest corner of the claim, numbers 101 and 106 are anomalous in several trace elements, silver, cadmium, lead, and zinc as well as in arsenic and antimony, suggesting greater potential at depth.

CONCLUSIONS

1. Due to the extensive thickness of glacial overburden, stream sediment sampling is not very useful for locating mineralization in a small area such as the HAG2 claim.
2. Sufficiently interesting, though mild, anomalies in rocks and a sediment sample exist in the northwest corner of the claim to warrant followup with soil line and profile sampling in that area.

APPENDIX I

STATEMENT OF EXPENDITURES

(Hag 2 Claim)

Geochemistry

Food - two days @ \$25	50.00
Travel - gasoline and oil	117.00
Supplies - sample bags, flagging, etc.	35.00

Analysis

7 Silt Samples for Hg, Au, F, 26 ICP & prep. @ 22.10/sample	154.70
6 Rock Samples for Hg, Au, F, 26 ICP & prep. @ 19.25/sample	115.50

Report Preparation

Report typing	60.00
Map and report duplication	35.00

Total Expenditures 567.20

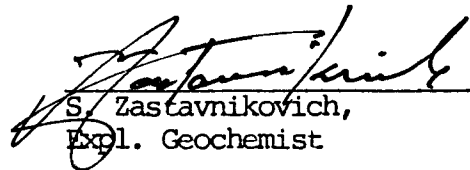
APPENDIX II

STATEMENT OF QUALIFICATIONS

I.- Sam Zastavnikovich, do hereby certify that:

1. I am a graduate of the University of Alberta with the Degree of B. Ed. in Physical Sciences, 1969.
2. I have been a practicing exploration geochemist with Falconbridge Ltd. of Toronto and Vancouver for thirteen continuous years as:

1969-1975: Field geochemist, international.
1975-1979: Project geologist-geochemist, B. C.
1979-1982: Exploration geochemist, worldwide, where I was engaged in all aspects of geochemical exploration, including research and development of improved sampling techniques, and advanced geochemical interpretation, as well as the writing of final, budget, and assessment reports.
3. I am a voting member of the Association of Exploration Geochemists.
4. I am a consulting geochemist with offices at 5063 - 56th. St., Delta, B. C.


S. Zastavnikovich,
Expl. Geochemist

MINERAL ACT - PROVINCE OF BRITISH COLUMBIA

Record of Mineral Claim
FORM G

MAP NO. **93L/3E**

RECORD NO. **5548**

MINING RECEIPT NO. **207215E**

RECORDED AT **Smithers**

B.C. THIS **13th** DAY OF **July**

19 **83**

DO NOT WRITE IN
SHADED AREAS

Omineca

MINING RECORDER
Gold Commissioner

MINING DIVISION

**Affidavit
for
Mineral
Claim**

SAM ZASTAVNIKOVICH AGENT FOR

NAME

NAME

5013 - 50th Street, BC

ADDRESS

ADDRESS

VALID SUBSISTING F.M.C. NO. **22115**

VALID SUBSISTING F.M.C. NO.

MAKE OATH AND SAY:- I COMMENCED LOCATING THE **HAG 2** MINERAL CLAIM

ON THE **5th** DAY OF **July**, 19 **83** AT **7:00 AM** AND COMPLETED THE LOCATION

(TIME - INDICATE A.M. OR P.M.)

ON THE **5th** DAY OF **July**, 19 **83** AT **7:00 PM** CONSISTING OF

(TIME - INDICATE A.M. OR P.M.)

2 UNIT LENGTHS **East** AND **1** UNIT LENGTHS **South** AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION

(NUMBER)

(DIRECTION)

(NUMBER)

(DIRECTION)

ON METAL TAGS NO. **04713** WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS.

IDENTIFICATION POST(S) NOT PLACED WERE

CHECK APPLICABLE SQUARE

THE LEGAL CORNER POST

THE WITNESS POST FOR THE LEGAL CORNER POST

IS SITUATED: **Map 93L/3E**

(PRECISELY DESCRIBE POSITION OF POST RELATIVE TO KNOWN TOPOGRAPHICAL OR SURVEYED FEATURES THAT RELATE TO FEATURES ON A MAP)

HAG 2 was staked on the previous Map 93L/3E

† BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE MINING RECORDER, OF THE LOCATION.

SWORN AND SUBSCRIBED TO AT

THIS _____ DAY OF _____ 19 _____ BEFORE ME

* THIS AFFIDAVIT MAY BE TAKEN BY A PERSON EMPOWERED TO TAKE AFFIDAVITS BY THE EVIDENCE ACT OF BRITISH COLUMBIA.

[Signature]
SIGNATURE

207215E
MR OR SMR STAMP

NO. OF UNITS _____ WORK REQUIREMENT \$ _____ PER YEAR RENTAL REQUIREMENT - \$10.00 PER \$200.00 WORK \$20.00 PER \$200.00 C/L

OFFICE USE ONLY

WORK NUMBERS	C/L IN \$	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	YEAR OF EXPIRY	CREDIT		TRANSFERS (B/S'S, ASSIGNMENTS, CONVEYANCES)
					WORK UNIT(S)	RENTAL IN \$'S	

COMPANY: S. ZAST
 PROJECT No:
 ATTENTION:

MIN-EN LABS ICP REPORT
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT:6E03) PAGE 1 OF 3
 FILE No: J-5408
 DATE: JULY 22, 1983

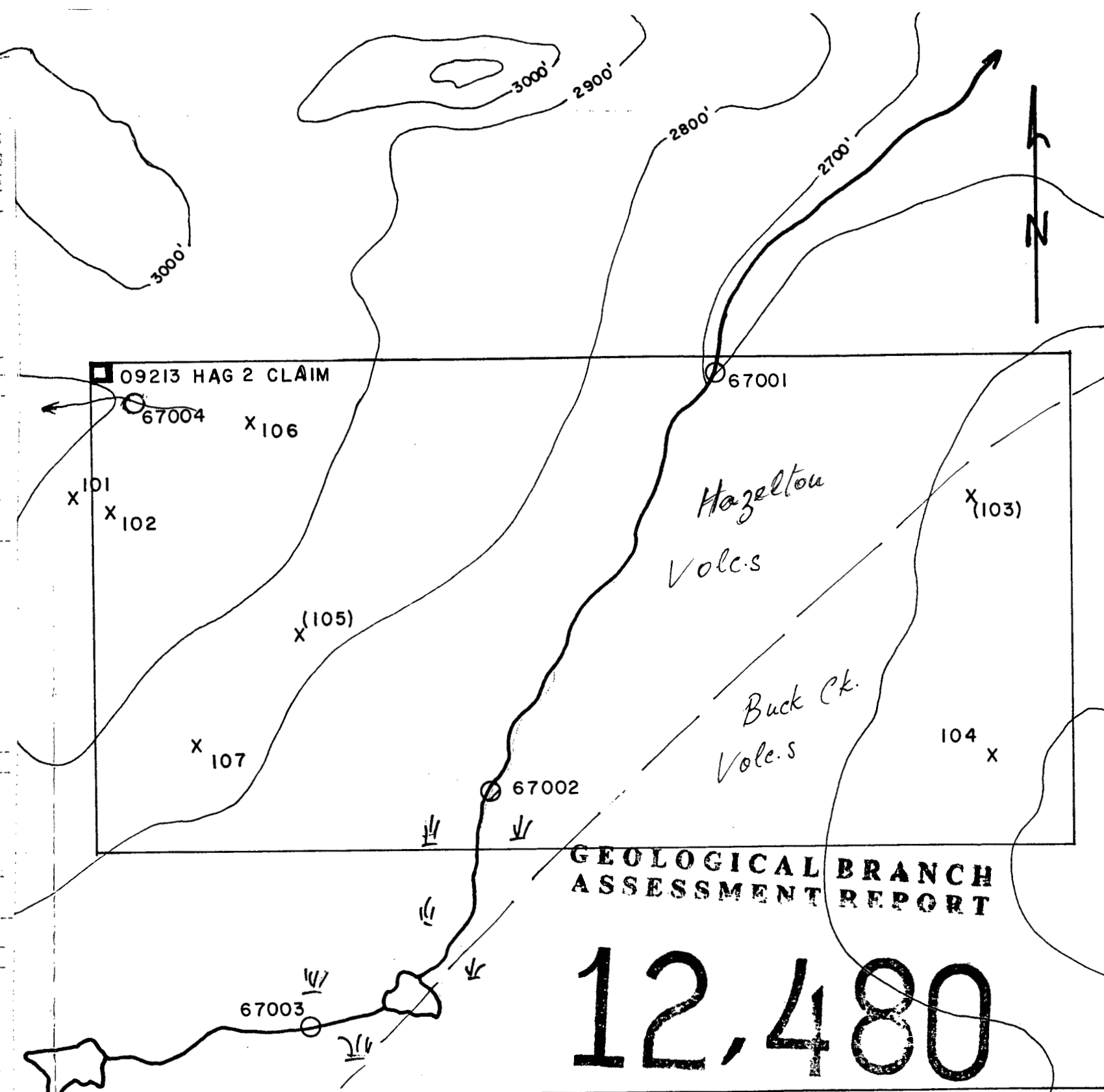
(REPORT VALUES IN PPM)	AS	AL	AR	B	BT	CA	CD	CO	CU	FE	K	MG
67001-100	.1	11900	0	5	19	5210	0	12	13	46400	551	3300
67001-050	.2	9390	0	2	19	4150	.1	11	10	45200	441	3000
67002-100	.5	11200	0	4	24	5290	.7	17	11	66900	539	3570
67002-050	.3	10400	0	3	23	4880	1.6	15	11	59900	463	4020
67003-100	.1	10400	0	2	19	3750	1.3	10	11	49200	363	3260
67004-100	.1	14500	0	6	23	4490	1.4	15	15	62800	459	4330
67004-050	0	14700	0	7	25	4930	2.3	18	13	79800	465	5240

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SP	SR	TH	U	V	ZN
67001-100	725	7	247	13	742	4	0	112	5	0	63.1	53
67001-050	559	4	271	19	545	1	0	84	4	0	54.0	46
67002-100	1790	8	233	29	588	14	0	82	5	9	55.5	73
67002-050	1310	8	207	15	599	17	0	59	5	0	75.0	70
67003-100	815	4	107	15	745	15	0	49	4	2	56.0	62
67004-100	1380	6	114	28	440	18	0	65	5	2	60.4	105
67004-050	1210	7	103	25	467	21	0	53	5	0	103.0	105

(REPORT VALUES IN PPM)	HG-PPB	AU-PPB	F
67001-100	40	1	285
67001-050	10	1	300
67002-100	60	1	310
67002-050	40	4	295
67003-100	30	3	235
67004-100	60	1	215
67004-050	50	3	275

(REPORT VALUES IN PPM)	AS	AL	AR	B	BT	CA	CD	CO	CU	FE	K	MG
101	.5	25200	38	37	22	63100	5.3	34	17	94500	593	18300
102	.4	25800	0	15	28	17500	1.3	22	30	111000	404	8450
103	0	4530	0	0	17	1500	.7	4	7	19900	1240	1870
104	0	33900	0	23	25	30200	4.5	44	120	130000	195	22700
105	0	5590	0	0	20	2110	.4	7	7	44700	1750	4500
106	.5	7280	49	7	25	30000	6.6	34	14	88200	217	3360
107	.1	19900	0	2	20	10200	0	20	15	65500	1530	3900

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SP	SR	TH	U	V	ZN
101	1190	16	142	38	654	45	9	105	27	0	155.0	75
102	1380	6	2770	8	454	0	0	70	1	0	98.2	79
103	131	23	277	5	593	13	1	14	9	0	15.4	22
104	1250	18	516	30	591	40	0	94	19	0	203.0	88
105	254	3	170	2	421	3	0	12	7	0	31.7	20
106	1670	11	48	26	551	61	29	103	17	9	187.0	582
107	303	4	1100	30	1850	1	0	190	6	10	115.0	61



LEGEND

- 41567 - Stream Sed. Sample No.
- 123 X - Rock Sample No.
- () - Float
- - - Contact

HAG 2 CLAIM
 Morice R. - Lamprey Ck. Area
 NTS 93L/3E
GEOCHEMICAL MAP

WORK DATE: JULY '83 BY: S. ZASTAVNIKOVICH

