

'85-182-14215

GEOCHEMICAL, GEOLOGICAL RECONNAISSANCE  
OF THE  
JON 3, 4, 5 CLAIMS  
(39 Units)

OMINECA MINING DIVISION  
NTS 93F/2W  
LATITUDE 53°16', LONGITUDE 124° 52'

Dates of Work - July 28th - August 1st, 1984,  
October 15th - 18th, 1984

By  
Michael Smith

Owner - John Blackwell  
Submitted - October 24, 1984

FILMED

BPVR 84-16

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

14,215

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SUMMARY

Reconnaissance soil and prospecting traverses were carried out on the southwest corner of the JON 4 claim during the period July 28th to August 1st, 1984. A total of 78 rock and soil samples were analyzed from the JON 4 and 5 claims.

A narrow northeast trending zone of enhanced arsenic, and strontium occurs over a 250 metre length, in an area marginally anomalous in zinc.

INTRODUCTION

The JON 3, 4, and 5 claims were staked in March 1984 by John Blackwell, to cover anomalous copper, zinc, and arsenic soil values reported in Assessment Report 9632, dated October 26th, 1981, and 10638, dated August 31st, 1982. These anomalous values occur immediately to the south of the zenith of Mount Tsacha.

A preliminary reconnaissance mapping and sampling program was carried out by Selco Division in late July 1984, covering potentially geologically favourable areas on the JON claims.

Exposures of chloritized and silicified rhyolitic lapilli tuff in the vicinity of the enhanced soil values, also show some minor enrichment.

LOCATION AND ACCESS (Refer to Fig. 1)

The JON 3, 4, and 5 claims centre immediately around the zenith of Mount Tsacha, located 50 km due south of Kenney Dam, NTS 93F/2. Tsacha Lake, which forms part of the Blackwater River system, is 8 km south-southeast of the claim group.

Access at present is via helicopter.

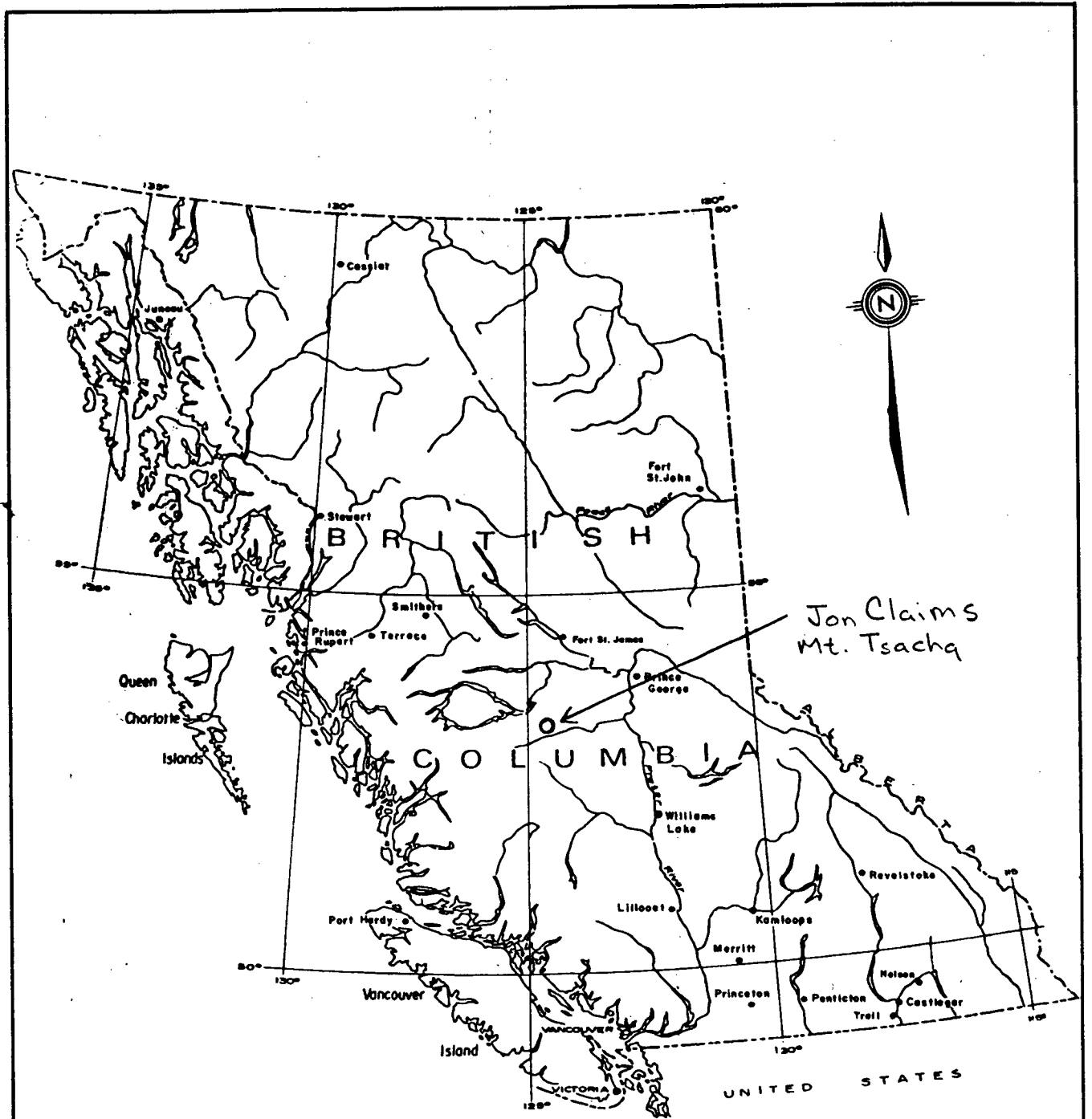
TOPOGRAPHY, OVERBURDEN AND SOIL DEVELOPMENT

Prominent topographic points in the claim area are, Tsacha Mountain, at 1725 metres and Mount Davidson, at 1850 metres. Topographic relief is about 760 metres, with valley floors at 1070 metres.

The terrain in the claim area is characterized by a series of steep-sided, rounded knolls with 100 to 180 metre relief.

Glacial striae on top of Mount Tsacha indicates an ice direction of N65E. Hilltops are rounded, and glaciofluvial deposits are common in the valley bottoms.

Bedrock exposure is common above 1650 metres elevation, and where slopes are steep ( $>30^{\circ}$ ) below this elevation.



MT. Tsacha  
Location Map

At treeline, soils are partially brunisols, while 80% of soils taken during the reconnaissance are podzols. The BF horizon was preferentially sampled.

LAND STATUS (See Figure 2)

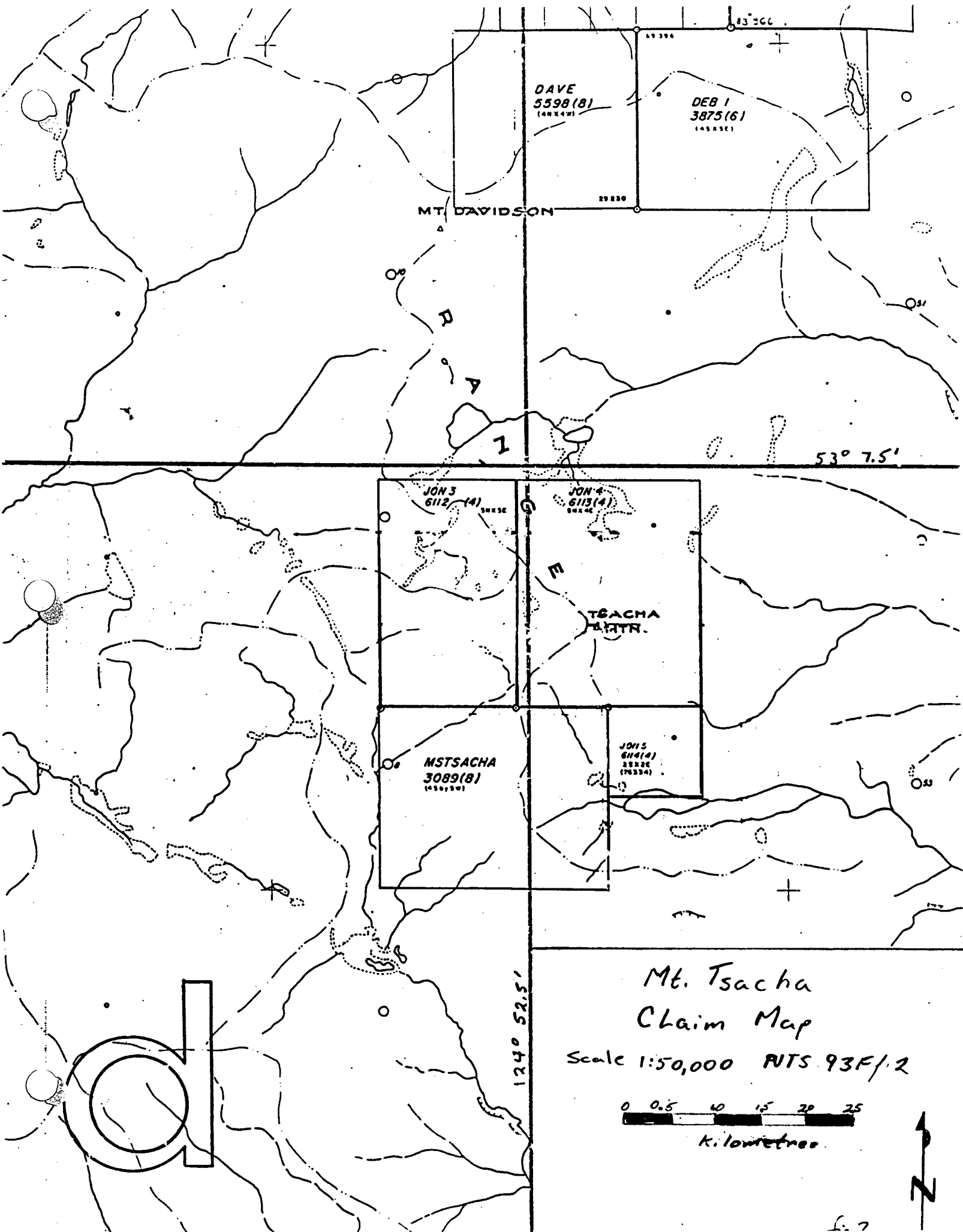
The JON 3, 4, and 5 claims consist of 39 contiguous units in three claim blocks. The record numbers and recording dates are tabulated below:

<u>Claim Name</u>	<u>Units</u>	<u>Record Number</u>	<u>Recording Date</u>
JON 3	15	6112	April 9, 1984
JON 4	20	6113	April 9, 1984
JON 5	4	6114	April 9, 1984

GENERAL GEOLOGY

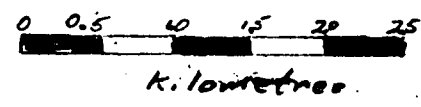
Takla group (Upper Triassic) volcanic rocks are the oldest units in the area (Tipper, 1931?). Intermediate to mafic flows of this group are the most common around Mount Tsacha. Upper Jurassic granite, granodiorite, and quartz diorite intrude the Takla rocks.

The larger mass of Upper Jurassic intrusive rocks outcrop about 10 km west of the JON claims. These are coeval with the Capoose Batholith. Late Cretaceous Ootsa Lake Group volcanic rocks overlie the Takla group and batholithic rocks.



Mt. Tsacha  
Claim Map

Scale 1:50,000 NTS 93F/2





GEOLOGY OF THE CLAIM GROUP (See Fig. 3)

Only the southwest corner of the JON 4 claim was examined. The top of Mount Tsacha is capped by an easterly dipping, northwest trending, argillite unit. This unit overlies a faulted succession of felsic to intermediate volcanics, consisting of predominantly porphyritic andesites, dacitic to rhyolitic lapilli tuffs and tuff breccias.

ALTERATION

Chloritic alteration was noted in rhyolitic lapilli tuffs about 300 metres south of the zenith of Mount Tsacha. This area appears to be extensively faulted, and several outcrops exhibit moderate silicification.

STRUCTURE

The general area has been extensively faulted, with many high angle reverse faults trending north to northeast. Detailed mapping was not done to locate these faults accurately on the JON claims. The uppermost argillite is exposed in an oblong shaped area about 350 metres x 800 metres trending north to northwest.

# Mt. Tsacha

## Generalized Recon. Geology

Scale 1:10,000 NTS 92F02

### Legend

S - argillite

V - intermediate-  
Selsic volcanics

porphyritic andesite

porphyritic dacite

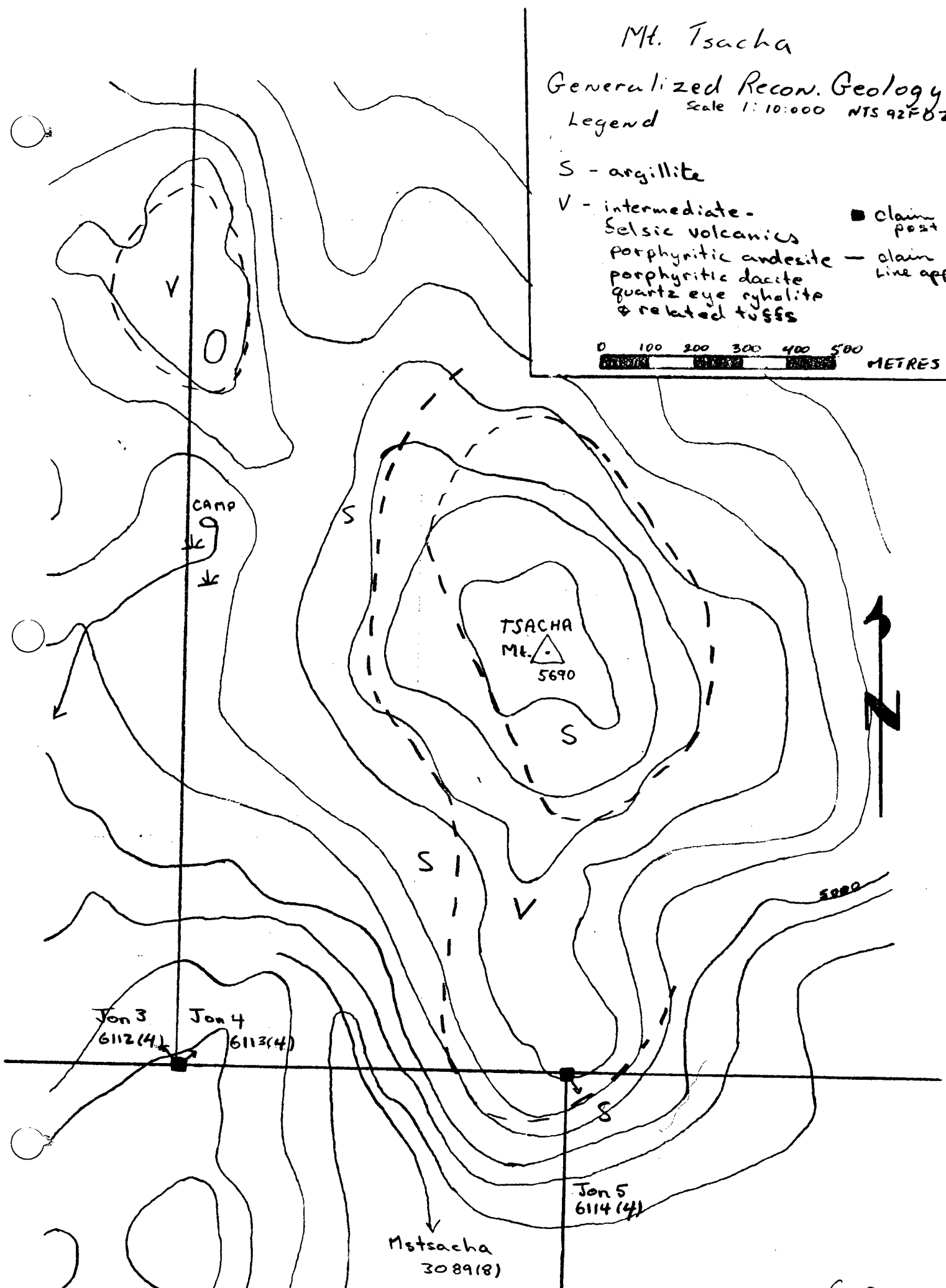
quartz eye rhyolite

& related tuffs

■ claim post

— claim line approx

0 100 200 300 400 500 METRES



Strikes and dips taken across the area suggest a north - south synform, with fold axis to the east of Mount Tsacha.

#### ECONOMIC GEOLOGY

No base metal sulphides were observed on the reconnaissance traverses, although there is minor pyrite in a barren gossan about 1 km northwest of the zenith of Mount Tsacha.

#### GEOCHEMISTRY (See Figure 4)

Reconnaissance soil samples were collected to evaluate previously indicated soil anomalies (Assessment Reports 9632 and 10638). A total of 78 soil (BF and BM horizon) and rock chip samples were taken. Results are tabulated in Appendix 1.

There is a generally anomalous trend in zinc values over the southeast half of the grid, and three rock chip samples, 811278, 811292, and 812445 returned 1901, 2208 and 1569 ppm zinc, respectively. As well, this area exhibits enhanced levels in arsenic and strontium, but no other enriched base or precious metal values were returned.



APPENDIX 1  
ANALYTICAL DATA

M.S.

RECEIVED  
OCT 18 1984  
SELCO - CP  
VANCOUVER, B.C.

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-3 SOIL & SILT -80 MESH + REJECT SAVED P4-ROCK AU ANALYSIS BY AA FROM 10 GRAM SAMPLE. MG ANALYSIS BY FLAMELESS AA.

AUG 6 1984 DATE REPORT MAILED: *Aug 10/84* ASSAYER: *D. J. J.* DEAN TOYE. CERTIFIED B.C. ASSAYER

SELCO PROJECT # 529 FILE # 84-1960

PAGE 1

SAMPLE#	MO	CU	PB	ZN	AS	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#	MG	PM
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPB	PPB		
STD S-1	89	128	113	182	33.2	149	79	460	3.16	116	102	36	167	124	80	74	93	58	.56	.12	125	63	.58	120	.07	166	1.44	.20	.18	66	-	-	-
5084529 813871	4	43	13	217	.4	44	6	269	4.85	30	7	ND	2	15	1	5	2	77	.08	.05	6	55	.78	90	.11	7	2.98	.01	.08	2	5	6.2	
5084529 813873	4	31	11	276	.3	56	7	293	4.47	66	5	ND	2	28	1	4	2	65	.16	.06	9	54	.80	90	.10	6	2.58	.01	.09	2	5	-	
5084529 813874	4	32	13	184	.1	46	12	543	3.62	33	5	ND	2	27	1	2	2	68	.19	.04	6	36	.58	133	.15	22	1.73	.01	.09	3	5	-	
5084529 813875	4	37	12	345	.1	54	10	481	3.63	72	5	ND	2	39	1	3	2	69	.23	.03	7	70	.98	143	.10	23	2.56	.02	.10	2	5	-	
5084529 813876	4	48	16	542	.1	57	6	339	4.59	123	5	ND	2	52	1	5	2	69	.28	.05	6	61	1.07	197	.07	4	2.92	.02	.19	2	5	-	
5084529 813877	4	30	22	306	.1	42	7	263	3.79	54	5	ND	2	17	1	3	2	64	.08	.07	5	43	.69	149	.10	24	3.23	.01	.08	2	5	20 6.3	
5084529 813878	5	42	20	482	.2	36	5	302	5.12	76	5	ND	2	47	1	5	2	74	.14	.07	6	59	.94	248	.07	4	2.89	.01	.18	2	5	-	
5084529 813879	4	55	15	611	.3	53	6	243	5.76	74	7	ND	2	69	1	6	2	67	.10	.12	4	83	.88	261	.08	4	4.52	.02	.15	2	5	-	
5084529 813880	3	26	13	223	.1	35	5	174	3.29	14	7	ND	2	15	1	2	2	51	.06	.07	3	33	.40	96	.08	4	3.22	.01	.04	2	5	-	
5084529 813881	3	34	14	298	.1	49	8	301	3.39	37	6	ND	2	19	1	3	2	52	.09	.10	6	36	.54	115	.07	5	3.24	.01	.08	2	5	-	
5084529 813882	4	71	26	677	.2	93	9	409	4.90	408	7	ND	2	70	1	11	2	57	.23	.10	4	35	.67	118	.06	4	2.95	.01	.08	2	5	60 6.4	
5084529 813883	3	31	21	207	.2	36	6	244	2.72	42	8	ND	2	130	1	4	2	47	.22	.15	4	34	.52	266	.05	5	3.98	.02	.06	3	5	-	
5084529 813884	2	28	14	183	.1	46	7	271	3.18	17	5	ND	2	18	1	2	2	59	.07	.07	5	48	.74	154	.08	4	3.10	.01	.07	2	20	-	
5084529 813885	3	29	18	208	.1	58	8	304	3.40	19	5	ND	2	22	1	3	2	56	.07	.04	5	46	.80	98	.08	4	2.52	.01	.09	2	5	-	
5084529 813886	6	65	19	277	.1	118	10	244	4.50	68	5	ND	2	51	1	4	2	61	.12	.06	3	44	.64	174	.08	17	2.96	.01	.07	2	5	-	
5084529 813887	3	33	15	151	.2	35	7	279	2.52	26	5	ND	2	45	1	2	2	50	.18	.07	7	50	.66	204	.08	5	2.52	.01	.17	3	5	10 6.5	
5084529 813888	2	43	10	207	.4	80	8	251	3.17	47	7	ND	2	32	1	3	2	65	.16	.07	5	91	.80	240	.08	5	4.00	.02	.23	2	5	-	
5084529 813889	3	29	22	222	.2	50	6	294	2.78	18	5	ND	2	33	1	3	2	53	.14	.03	5	49	.77	128	.07	4	2.18	.01	.13	2	5	-	
5084529 813890	3	34	17	443	.1	88	9	299	3.16	44	6	ND	2	31	1	3	2	53	.18	.03	4	58	.87	109	.08	4	2.34	.01	.09	2	5	-	
5084529 813891	4	41	18	159	.2	54	6	257	3.09	21	5	ND	2	15	1	2	2	59	.08	.10	4	55	.67	142	.08	4	3.66	.01	.09	2	5	-	
5084529 813892	4	21	17	122	.3	30	4	241	3.62	22	5	ND	2	14	1	3	2	63	.06	.07	3	52	.56	110	.06	4	2.21	.01	.09	2	5	50 6.1	
5084529 813893	3	21	17	145	.1	21	4	229	2.89	32	5	ND	2	10	1	2	2	47	.06	.09	4	26	.43	65	.06	4	2.53	.01	.05	2	5	-	
5084529 813895	4	46	12	293	.2	93	17	1082	5.32	57	5	ND	2	28	1	2	2	43	.18	.22	4	31	.51	108	.04	4	3.30	.01	.08	2	5	-	
5084529 813896	5	40	13	228	.3	13	7	393	5.40	49	7	ND	2	29	1	3	2	56	.12	.30	8	18	.50	136	.08	5	4.36	.01	.06	2	5	-	
5084529 813897	4	25	18	303	.2	35	7	255	3.93	63	7	ND	2	20	1	4	2	64	.16	.08	5	49	.66	81	.10	5	3.06	.01	.06	2	5	-	
5084529 813898	4	40	12	274	.1	50	9	246	4.09	61	6	ND	2	21	1	3	2	65	.09	.11	6	60	.77	115	.11	4	3.50	.01	.06	2	5	40 6.3	
5084529 813899	5	40	12	147	.4	19	4	186	3.59	65	10	ND	3	17	1	3	2	48	.06	.29	5	33	.46	63	.08	4	4.42	.01	.05	2	5	-	
5084529 813900	3	46	21	200	.2	13	4	219	2.77	34	8	ND	2	11	1	2	2	43	.07	.06	5	22	.36	49	.06	5	2.02	.01	.05	2	5	-	
5084529 813901	29	112	29	239	.4	7	1	213	9.14	557	13	ND	15	16	1	4	13	31	.07	.32	9	11	.21	73	.04	17	2.63	.01	.04	5	5	-	
5084529 813904	4	22	11	191	.2	16	5	232	3.46	55	7	ND	2	23	1	2	2	51	.23	.06	7	24	.52	64	.09	4	1.91	.01	.10	2	5	-	
5084529 813905	4	69	9	307	.2	33	4	174	3.60	59	16	ND	2	21	1	2	2	57	.10	.15	7	63	.51	100	.10	23	4.49	.01	.07	2	5	100 6.3	
5084529 813906	6	46	10	402	.1	44	7	214	4.49	200	5	ND	2	82	1	3	2	71	.35	.06	3	116	1.10	79	.08	3	2.40	.01	.08	2	5	-	
RE 5084529 813895	4	46	14	300	.1	94	17	1095	5.48	55	5	ND	2	30	1	2	2	45	.19	.22	3	32	.53	109	.04	3	3.27	.01	.08	2	5	50 -	
5084529 813907	5	56	12	412	.2	90	12	293	4.50	121	7	ND	2	104	1	2	2	63	.21	.16	3	80	.95	201	.08	3	3.13	.01	.10	2	5	-	
5084529 813908	3	23	15	292	.1	54	9	208	3.74	54	5	ND	2	39	1	2	2	63	.14	.20	4	67	.70	141	.09	3	3.81	.01	.09	2	5	-	
5084529 813909	3	28	23	178	.1	18	7	320	2.20	64	6	ND	2	17	1	2	2	36	.12	.03	7	17	.38	42	.06	5	.95	.01	.05	2	5	60 6.5	
5084529 813910	3	51	15	170	.1	8	6	244	4.51	24	5	ND	2	15	1	2	2	56	.05	.09	6	15	.51	100	.11	3	2.96	.01	.08	2	5	-	
5084529 813911	3	50	14	351	.1	9	10	291	4.74	32	5	ND	2	16	1	2	3	55	.09	.08	4	15	.51	76	.09	2	3.03	.01	.07	2	5	-	
STD S-1/AU-0.3	83	121	113	182	34.0	149	79	460	3.16	111	93	33	178	124	73	85	84	58	.56	.12	134	63	.58	120	.07	178	1.44	.19	.18	60	540	90 -	

Detect Limit: *L* 5 ppm

SELCO PROJECT # 529 FILE # B4-1960

SAMPLE#	NO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE %	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BI PPH	V PPH	CA %	P %	LA PPH	CR PPH	MG %	BA PPH	TI %	B PPH	AL %	NA %	K %	Y PPH	MO PPH	MS PPH	PH
5084529 812912	4	63	32	698	.2	18	7	419	4.28	142	8	ND	2	37	1	2	2	63	.27	.04	14	24	.65	79	.13	6	2.40	.02	.00	2	5	-	-
5084529 812913	5	44	11	325	.1	18	8	395	3.59	29	7	ND	2	31	1	2	3	66	.30	.05	8	24	.70	69	.16	2	2.30	.02	.00	2	5	-	-
5084529 812914	2	26	7	134	.2	14	6	262	3.37	47	5	ND	2	18	1	2	2	56	.16	.10	7	22	.48	82	.12	2	2.42	.01	.00	2	5	30	6.5
5084529 812915	3	40	6	248	.1	10	7	376	4.29	13	5	ND	2	33	1	2	2	99	.23	.13	6	19	.97	106	.18	2	2.75	.02	.15	2	5	-	-
5084529 812916	3	52	15	284	.2	21	10	464	4.57	46	5	ND	2	17	1	2	2	70	.09	.16	8	32	.54	99	.14	12	3.37	.01	.00	2	5	-	-
5084529 812917	4	171	91	583	.8	51	10	358	3.77	105	9	ND	2	33	1	3	2	61	.17	.12	10	67	.80	132	.08	2	3.84	.01	.11	2	5	-	-
5084529 812918	3	44	10	254	.5	34	6	254	3.24	34	7	ND	2	19	1	2	2	66	.12	.06	10	62	.65	87	.12	2	2.34	.01	.09	2	5	-	-
5084529 812919	3	29	14	237	.5	24	6	297	3.50	63	6	ND	2	31	1	2	2	61	.26	.06	8	22	.54	88	.11	2	2.03	.01	.10	2	5	20	6.5
5084529 812920	3	52	11	151	.1	15	6	535	3.44	43	5	ND	2	33	1	3	2	64	.31	.05	9	16	.65	96	.13	6	1.62	.02	.19	2	5	-	-
5084529 812921	3	51	14	160	.2	21	7	595	3.20	40	5	ND	2	40	1	3	2	60	.38	.04	10	28	.72	118	.12	16	1.84	.02	.14	2	5	-	-
5084529 812922	4	24	22	220	.3	21	6	517	2.82	21	5	ND	2	31	1	2	2	57	.32	.04	12	25	.66	95	.12	2	1.63	.02	.09	2	5	-	-
5084529 812923	3	13	12	318	.5	9	5	300	3.72	2	8	ND	2	12	1	2	2	64	.16	.13	7	18	.47	95	.11	6	2.37	.01	.05	2	5	-	-
5084529 812406	3	57	9	292	.1	11	14	2826	4.71	165	3	ND	2	16	1	2	2	65	.22	.14	6	17	.67	131	.14	7	3.58	.01	.12	2	15	-	-
5084529 812407	3	91	9	337	.1	9	25	2072	7.34	80	5	ND	2	34	1	2	5	55	.30	.20	6	12	.72	139	.13	2	3.54	.01	.13	2	5	-	-
5084529 812408	5	44	16	181	.1	11	9	511	4.34	72	5	ND	2	22	1	2	2	68	.27	.06	8	22	.71	115	.12	4	2.48	.01	.09	3	5	-	-
5084529 812409	3	16	19	105	.1	5	7	573	3.08	7	5	ND	2	17	1	2	2	52	.20	.04	11	12	.33	96	.11	7	1.56	.01	.06	2	5	-	-
5084529 812410	4	41	13	241	.1	13	11	468	4.44	61	5	ND	2	21	1	2	2	76	.27	.06	7	25	.84	130	.14	15	2.99	.02	.13	2	5	10	6.4
5084529 812411	4	18	14	175	.2	9	6	370	3.69	19	5	ND	2	27	1	2	2	62	.34	.06	9	21	.62	91	.16	9	2.03	.02	.09	3	5	-	-
5084529 812412	3	26	11	97	.1	10	7	305	3.30	18	5	ND	2	20	1	2	2	57	.18	.05	6	17	.54	114	.11	16	2.30	.02	.10	2	5	-	-
5084529 812413	4	18	9	207	.1	7	9	477	4.80	6	5	ND	2	15	1	2	2	99	.20	.07	5	19	.75	91	.20	16	2.82	.02	.12	4	5	-	-
5084529 812414	2	54	10	191	.1	9	7	344	4.35	27	7	ND	2	16	1	2	2	68	.12	.12	7	17	.71	88	.11	19	4.09	.02	.10	3	5	-	-
5084529 812415	3	23	7	102	.1	7	5	341	3.23	2	5	ND	2	12	1	2	2	61	.10	.15	8	13	.61	92	.14	13	4.30	.02	.08	2	5	90	6.1

SELCO PROJECT # 529 FILE # 84-1960

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M	Ag	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	I	I	ppm	ppm	I	ppm	I	ppm	I	I	I	ppm	ppb	ppb
8184529 811275	4	43	12	116	.3	78	12	161	3.20	31	5	ND	2	38	1	3	2	64	.27	.07	3	63	.95	198	.08	5	2.12	.07	.61	2	5	5
8184529 811277	4	52	4	62	.2	61	8	186	3.64	31	5	ND	2	14	1	2	2	68	.15	.05	2	61	1.26	216	.16	2	2.10	.05	1.15	2	5	5
RE 8184529 812427	6	21	24	89	.2	1	1	286	1.38	2	7	ND	2	7	1	2	2	18	.07	.04	5	5	.41	36	.02	3	.70	.02	.11	14	5	5
8184529 811278	2	45	7	1901	.2	18	3	360	2.04	6	5	ND	2	273	12	2	2	21	3.60	.08	3	27	.22	104	.05	4	5.89	.58	.15	2	5	5
8184529 811279	4	70	6	112	.5	138	17	297	4.31	13	5	ND	2	71	1	4	2	112	.75	.05	2	236	1.26	40	.14	2	2.73	.20	1.00	2	5	5
8184529 811289	3	55	14	350	.3	5	5	353	2.32	19	5	ND	2	84	2	2	2	64	1.26	.20	2	7	.73	180	.10	3	2.84	.40	.59	2	5	5
STD S-1	84	121	114	178	32.1	141	76	430	3.18	126	96	33	175	115	75	79	85	48	.46	.11	134	51	.51	110	.05	174	1.18	.22	.20	64	-	-
8184529 811292	2	91	6	2208	.2	50	10	153	2.12	12	6	ND	2	467	13	2	2	9	3.79	.19	2	9	.10	83	.03	6	3.72	.71	.03	2	5	5
8184529 811293	2	10	5	60	.1	11	3	593	1.70	7	5	ND	5	15	1	2	2	15	.14	.04	6	9	.19	23	.07	4	.92	.05	.47	2	5	5
8184529 811294	2	7	4	38	.1	3	1	298	1.29	2	5	ND	5	24	1	2	2	6	.17	.02	6	5	.18	48	.04	6	.92	.06	.29	2	5	5
8184529 811296	7	47	8	35	.3	2	1	238	2.83	75	5	ND	3	36	1	2	2	46	.27	.11	8	6	.43	31	.11	2	1.13	.10	.37	157	5	20
8184529 812444	2	32	8	58	.1	49	11	148	1.84	219	5	ND	2	464	1	3	2	21	4.02	.23	2	24	.26	102	.04	7	5.96	.57	.14	2	5	5
8184529 812445	2	43	10	1569	.2	52	12	137	2.11	82	5	ND	2	196	10	2	2	13	2.33	.18	2	12	.11	80	.03	4	3.56	.58	.03	2	5	5
6484529 813870	4	41	7	116	.2	54	6	169	3.03	9	5	ND	2	25	1	2	2	76	.25	.05	4	94	1.00	223	.13	2	2.29	.06	.79	2	5	5
6484529 813872	4	48	1	102	.2	71	7	269	2.94	17	5	ND	2	29	1	2	2	95	.41	.04	2	143	1.09	298	.14	2	2.48	.11	.89	2	5	5
6484529 813894	3	29	1	65	.1	6	6	292	2.85	19	5	ND	2	97	1	2	2	62	1.14	.20	3	10	1.22	275	.13	2	3.30	.36	1.08	2	5	10
6484529 813902	2	20	2	45	.1	11	3	324	1.67	11	5	ND	4	15	1	2	2	16	.15	.04	5	8	.21	28	.05	2	.79	.06	.36	2	5	5
8184529 813903	5	22	2	51	.1	29	6	413	2.28	39	5	ND	3	21	1	2	2	63	.28	.05	4	32	.58	33	.09	2	1.37	.11	.62	2	5	5
8184529 813924	2	42	14	424	.4	9	8	373	2.39	6	5	ND	2	32	2	2	2	31	1.16	.07	2	6	.27	28	.05	26	1.87	.27	.11	2	5	5
STD S-1/AU-0.5	86	121	114	182	32.8	149	80	470	3.16	124	96	35	176	124	77	82	88	58	.56	.12	117	63	.58	120	.07	178	1.43	.19	.18	63	530	90
1084529 813925	3	29	19	237	.5	26	7	670	2.57	52	7	ND	2	56	1	3	2	43	.53	.06	15	19	.54	155	.04	2	1.93	.02	.11	2	70	-
STD S-1/AU-0.5	85	121	113	182	34.5	150	80	473	3.16	123	97	34	178	124	76	74	86	58	.56	.12	134	63	.58	120	.07	172	1.43	.20	.18	63	530	-



APPENDIX 2  
STATEMENT OF COSTS

STATEMENT OF COSTS

JON 3, 4, 5 CLAIMS  
MOUNT TSACHA, B.C.

## A. Geological and Geochemical Surveys (July 28 - Aug. 1 incl.)

1. Selco LabourProject Geologist

Michael Smith (July 28-Aug. 1/84, 2 days mob-demob,  
3 field days)  
5 days x \$200/day \$1000.00

Senior Assistant

Douglas Brownlee (July 28-Aug. 1/84, 2 days mob-demob.,  
3 field days)  
5 days x \$125/day 625.00

Junior Assistant

Michael Renning (July 28 - Aug 1/84, 2 days mob-demob.,  
3 field days)  
5 days x \$80/day 480.00

2. Accommodation

3 men x 3 camp days X \$50/day 450.00

3. Truck Rental (pro-rated)

\$34.40/day x 4 days 137.00

4. Helicopter Charter

8 hours x \$500/hour 4000.00

5. Chemical Analysis

80 samples x \$15.31/sample 1225.00

## 6. Drafting and Reproductions 100.00

7. Report Preparation

3 days x \$200/day 600.00

TOTAL \$8537.00

APPENDIX 3

APPORTIONMENT OF ASSESSMENT CREDIT

SUGGESTED APPORTIONMENT OF ASSESSMENT WORK

JON 3, 4, 5 Claims - 39 Units

Value of Work - \$8537.00

APPLICATION OF WORK

<u>Claim No.</u>	<u>Record No.</u>	<u>Units</u>	<u>Recording Date</u>	<u>Apply</u>
JON 3	6112	15	April 9, 1984	2 yrs.x\$100/unit =
JON 4	6113	20	April 9, 1984	2 yrs.x\$100/unit =
JON 5	6114	4	April 9, 1984	2 yrs.x\$100/unit =

TOTAL WORK APPLIED -

RECORDING FEE -

2 yrs x 39 units x \$100/unit = \$7800

APPENDIX 4  
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

Michael D. Smith

I, Michael Smith of Suite 700 - 890 West Pender Street in  
Vancouver, in the Province of British Columbia,  
Do Hereby State:

1. That I am a graduate of Brock University, St. Catherine,  
Ontario, where I obtained a B.Sc. (Hons.) degree in  
geology in 1975.
2. That I am a Fellow of the Geological Association of  
Canada.
3. That I have been active in mineral exploration since  
1961.
4. That I have practised my profession continuously as a  
geologist since 1975.



Michael D. Smith  
Geologist  
Selco Division-BP Exploration  
Canada Limited

Vancouver, B.C.