

COMINCO LTD.

EXPLORATION
NTS: 92H/16

WESTERN DISTRICT
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ASSESSMENT REPORT 1980

GEOLOGY AND SOIL GEOCHEMISTRY

ON THE TROUT PROPERTY

(Trout 1 and 3 Claims)

SIWASH LAKE AREA, SIMILKAMEEN M.D., B.C.

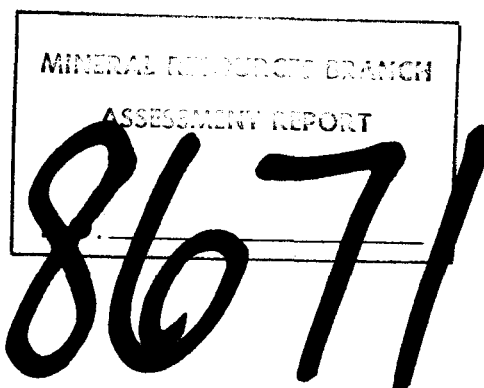
(Work performed July 1 to August 6, 1980)

LATITUDE: 49°50'N

LONGITUDE: 120°15'W

REPORT BY:

M. J. OSATENKO



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SIWASH LAKE AREA, SIMILKAMEEN M.D., B.C.

SUMMARY

The Trout property is located 38 km west of Summerland, B.C. and 16 km southwest of the Brenda Mine.

Work in 1980 on and in the vicinity of the property consisted of 24.8 km of grid, silt and soil sampling and geological mapping. The claims are underlain by porphyritic quartz monzonite and show poorly defined areas of sericite and chlorite alteration, mainly on ground adjacent to the property. These zones are often associated with trace amounts of MoS_2 , pyrite and abundant Mn oxide. The anomalous Mo silt values (10-33ppm) in Galena Creek were traced to a Mo soil anomaly (5-46ppm) around Lac Le Ronne. This anomaly is open to the north and is about 100-800 x 1500 m.

It is recommended to further define the Mo soil anomaly to the north and to complete the geological mapping over the whole of the property.

INTRODUCTION

The Trout property was acquired late in 1979 to protect Mo stream silt anomalies in Galena Creek.

Work in 1980 consisted of 24.8 km of grid, soil sampling (433 samples) and geological mapping, mainly along logging roads. This work was done by B. Ames assisted by D. Pauls and supervised by M.J. Osatenko.

LOCATION AND ACCESS

The property is located 38 km west of Summerland, B.C. and 16 km southwest of the Brenda Mine, just 3 km east of Siwash Lake (Plate 1). It is accessible by truck along Peachland Main and takes about one hour to get there from Summerland.

TOPOGRAPHY AND VEGETATION

The Trout claims lie at an elevation of 1500 to 1700 m and are found on the south slope of the Culmination Point divide. They are covered by a thick blanket of spruce which has been extensively logged over the past 10 years.

PROPERTY AND OWNERSHIP

The Trout property consists of the following Trout claims(100% owned by Cominco Ltd., see Plate 2).

<u>CLAIM</u>	<u>RECORD NUMBER</u>	<u>NUMBER OF UNITS</u>	<u>DUE DATE</u>
TROUT 1	917(12)	20	Dec.28/83
TROUT 3	919(12)	9	Dec.28/82

PREVIOUS WORK

The only known work in the vicinity of the property was by Noranda in 1966 and 1967. No report was filed but it is believed they were doing silt and soil geochemistry, as grid lines were seen, following up silt anomalies in Galena Creek.

REGIONAL GEOLOGY

The oldest rocks in the area are Upper Triassic volcanic rocks of the Nicola group. They consist of alkaline and calc-alkaline basalt flows and volcani-clastic rocks. This sequence is cut by granitic rocks of the Jurassic Okanagan complex which are in turn cut by Tertiary granites. Rocks of the first two units are unconformably overlain by Tertiary basalt flows.

PROPERTY GEOLOGY

The geology of the claim group is shown in Plate 2. It consists of medium to coarse grained porphyritic quartz monzonite that typically contains 30% quartz, 45% plagioclase, 20% K-feldspar with 5% mafics and has about 20% quartz and K-feldspar phenocrysts.

Alteration patterns(Plate 2) are difficult to discern as the area is very poorly exposed. However, two areas showing obvious limonite, Mn oxide, chlorite and sericite are present. One occurs just off the Trout 1 claim to the northwest and the other is near 25S/28E. No quartz veinlets were seen except between 5 and 10S on the Peachland Main road.

MINERALIZATION

Trace amounts of MoS₂ occur in three locations(Plate 2). None of these showings are of interest except as an indicator of potentially significant showings as yet undiscovered.

GEOCHEMISTRY

SILT

Plate 3 shows the Mo stream silt values on or in the vicinity of the property. Anomalous values, 5ppm or greater, are found in Galena Creek(10-33ppm) and 600 m down stream of 30S/16E(10ppm). Soil sampling, described below, was done to locate the source of these anomalies.

SOIL

The soil survey covered all the grid lines that were cut in 1980. Samples were collected from the B horizon at a depth of 12-20cm and at intervals of 50 m along the cross lines. These samples were analyzed for Mo at Cominco's laboratory in Vancouver using a Zn dithiol colorimetric method after a HC10₄-HNO₃ digestion(coefficient of variation of about 15%).

Plate 3 shows a contoured plot of the Mo soil values. Anomalous ones (5-46ppm) occur adjacent to Lac Le Ronne and form a northerly trending zone 100-800 x 1500 m, that is open to the north. This anomaly accounts for the Mo silt anomalies in Galena Creek. Values of Cu and Zn do not show any obvious patterns(Appendix "A", page 5).

CONCLUSIONS

1. The methods found most useful in locating areas of Mo mineralization are geological mapping and silt and soil geochemistry.
2. The source of the anomalous Mo silts in Galena Creek is in a poorly defined soil anomaly around Lac Le Ronne.

RECOMMENDATIONS

1. Further soil sampling to better define the Mo soil anomaly around Lac Le Ronne.
2. Further mapping over the whole property and then percussion drilling.

Report by: M. Osatenko
M.J. Osatenko
Project Geologist

Endorsed by: F.L. Wynne
F.L. Wynne
Senior Geologist

Approved for
Release by: G. Harden, Manager, Western
District Exploration

MJO/sw

Distribution:

Mining Recorder(2) ✓
Western District File(1)
Vernon Office File(1)

APPENDIX "A"

Cu, Zn and Mo Values in Soil Samples

FIELD NUMBER	TYPE		Cu PPM	Zn PPM	Mo PPM
LO 0	W	S	3	26	2
LO 50	W	S	7	29	2
LO 100	W	S	6	30	<2
LO 150	W	S	6	37	6
LO 200	W	S	8	45	3
LO 250	W	S	9	32	4
LO 300	W	S	10	34	4
LO 350	W	S	10	38	5
LO 400	W	S	11	43	4
LO 450	W	S	9	46	5
LO 500	W	S	11	32	4
LO 550	W	S	6	22	4
LO 600	W	S	8	27	5
LO 650	W	S	10	29	4
LO 700	W	S	5	64	46
LO 750	W	S	6	19	28
LO 800	W	S	10	37	9
LO 850	W	S	7	32	4
LO 900	W	S	10	36	16
LO 950	W	S	8	88	7
LO 1000	W	S	6	36	5
LO 1050	W	S	2	15	8
LO 1150	W	S	1	6	<2
LO 1200	W	S	5	10	<2
LO 1250	W	S	4	16	10
LO 1300	W	S	11	21	3
LO 1350	W	S	8	24	18
LO 1400	W	S	7	24	2
LO 1450	W	S	5	16	2
LO 1500	W	S	6	18	2
LO 1550	W	S	8	27	<2
LO 1600	W	S	8	25	<2
LO 1650	W	S	4	18	<2
LO 1700 (A)	W	S	6	26	5
LO 1700 (B)	W	S	13	56	5
LO 1750	W	S	10	28	4

FIELD NUMBER		TYPE	Cu PPM	Zn PPM	Mo PPM
L58 0	W	S	4	13	4
L58 50	W	S	5	18	<2
L58 100	W	S	7	19	2
L58 150	W	S	6	13	<2
L58 200	W	S	6	17	<2
L58 250	W	S	6	23	<2
L58 300	W	S	10	30	5
L58 350	W	S	8	32	3
L58 400	W	S	7	21	2
L58 450	W	S	7	23	2
L58 500	W	S	4	19	<2
L58 550	W	S	9	30	<2
L58 600	W	S	5	48	3
L58 650	W	S	6	56	<2
L58 700	W	S	7	36	<2
L58 750	W	S	7	33	<2
L58 800	W	S	5	32	2
L58 850	W	S	5	36	<2
L58 900	W	S	5	34	2
L58 950	W	S	4	34	4
L58 1000	W	S	6	31	8
L58 1050	W	S	4	24	6
L58 1100	W	S	5	20	5
L58 1150	W	S	6	26	3
L58 1200	W	S	9	42	5
L58 1250	W	S	6	20	2
L58 1300	W	S	5	18	4
L58 1350	W	S	9	28	<2
L58 1400	W	S	11	27	2
L58 1450	W	S	9	33	<2
L58 1500	W	S	9	33	<2
L58 1550	W	S	7	29	<2
L58 1600	W	S	9	25	<2
L58 1650	W	S	6	31	2
L58 1700	W	S	7	54	3
L58 1750	W	S	7	36	3

FIELD NUMBER		TYPE	Co PPM	Zn PPM	Mo PPM
L10S 0	W	S	5	17	2
L10S 50	W	S	8	16	<2
L10S 100	W	S	7	23	<2
L10S 150	W	S	7	24	2
L10S 200	W	S	8	16	2
L10S 250	W	S	8	27	<2
L10S 300	W	S	5	31	<2
L10S 350	W	S	9	27	2
L10S 400	W	S	7	26	<2
L10S 450	W	S	7	24	<2
L10S 500	W	S	10	33	2
L10S 550	W	S	11	24	<2
L10S 600	W	S	6	21	<2
L10S 650	W	S	6	30	2
L10S 700	W	S	7	21	2
L10S 750	W	S	8	24	2
L10S 800	W	S	7	25	2
L10S 850	W	S	7	23	2
L10S 900	W	S	21	46	20
L10S 950	W	S	7	53	4
L10S 1000	W	S	10	270	3
L10S 1050	W	S	11	394	3
L10S 1100	W	S	9	126	2
L10S 1150	W	S	14	108	2
L10S 1200	W	S	11	105	4
L10S 1250	W	S	11	109	2
L10S 1300	W	S	12	79	2
L10S 1350	W	S	9	55	3
L10S 1400	W	S	8	29	<2
L10S 1450	W	S	8	47	<2
L10S 1500	W	S	6	20	2
L10S 1550	W	S	7	17	<2
L10S 1600	W	S	6	15	<2
L10S 1650	W	S	8	21	2
L10S 1700	W	S	9	27	<2
L10S 1750	W	S	6	27	2

FIELD NUMBER		TYPE	Cu	Zn	Mo
			PPM	PPM	PPM
L15S 0	W	S	10	22	<2
L15S 50	W	S	8	19	<2
L15S 100	W	S	8	16	2
L15S 150	W	S	9	16	<2
L15S 200	W	S	13	17	<2
L15S 250	W	S	29	16	2
L15S 300	W	S	12	24	<2
L15S 350	W	S	6	23	<2
L15S 400	W	S	10	24	<2
L15S 450	W	S	8	24	<2
L15S 500	W	S	9	19	<2
L15S 550	W	S	10	28	<2
L15S 600	W	S	8	29	<2
L15S 650	W	S	14	77	<2
L15S 700	W	S	6	49	<2
L15S 750	W	S	16	117	2
L15S 800	W	S	11	216	2
L15S 850	W	S	33	79	14
L15S 900	W	S	8	63	3
L15S 950	W	S	13	61	3
L15S 1000	W	S	8	53	3
L15S 1050	W	S	14	68	2
L15S 1100	W	S	6	39	<2
L15S 1150	W	S	9	27	3
L15S 1200	W	S	8	17	<2
L15S 1250	W	S	10	16	<2
L15S 1300	W	S	19	22	2
L15S 1350	W	S	9	10	<2
L15S 1400	W	S	10	16	<2
L15S 1450	W	S	9	19	<2
L15S 1500	W	S	7	15	<2

FIELD NUMBER		TYPE	Cu PPM	Zn PPM	Mo PPM
L158	50	E S	8	14	<2
L158	100	E S	9	38	<2
L158	150	E S	8	36	<2
L158	200	E S	8	36	<2
L158	250	E S	9	48	<2
L158	300	E S	5	58	2
L158	350	E S	8	18	3
L158	400	E S	11	17	<2
L158	450	E S	9	21	<2
L158	500	E S	10	22	<2
L158	550	E S	8	17	<2
L158	600	E S	10	11	<2
L158	650	E S	7	16	<2
L158	700	E S	8	15	<2
L158	750	E S	6	14	<2
L158	800	E S	7	13	<2
L158	850	E S	8	13	<2
L158	950	E S	8	12	<2
L158	1000	E S	10	17	<2
L158	1050	E S	10	33	<2
L158	1100	E S	6	55	<2
L158	1150	E S	15	69	4
L158	1200	E S	7	35	<2
L158	1250	E S	6	67	2
L158	1300	E S	7	78	<2
L158	1350	E S	9	93	2
L158	1400	E S	4	81	<2
L158	1450	E S	4	97	2
L158	1500	E S	6	149	3

FIELD NUMBER		TYPE	Cu PPM	Zn PPM	Mo PPM
L20S 0	W	S	17	32	3
L20S 50	W	S	10	28	<2
L20S 100	W	S	9	19	<2
L20S 150	W	S	10	21	<2
L20S 200	W	S	11	33	<2
L20S 250	W	S	11	28	<2
L20S 300	W	S	12	21	2
L20S 350	W	S	9	10	6
L20S 400	W	S	8	16	2
L20S 450	W	S	14	19	<2
L20S 500	W	S	12	25	3
L20S 550	W	S	13	32	<2
L20S 600	W	S	11	23	2
L20S 650	W	S	6	13	2
L20S 700	W	S	19	11	10
L20S 750	W	S	8	23	<2
L20S 800	W	S	8	22	<2
L20S 850	W	S	10	21	<2
L20S 900	W	S	10	18	2
L20S 950	W	S	11	17	<2
L20S 1000	W	S	15	21	<2

FIELD NUMBER				TYPE	CO	7N	Mo
					PPM	PPM	PPM
L20S 50	E	S		14	134	11	
L20S 100	E	S		14	45	2	
L20S 150	E	S		14	34	2	
L20S 200	E	S		13	40	<2	
L20S 250	E	S		12	37	<2	
L20S 300	E	S		10	34	<2	
L20S 350	E	S		15	84	<2	
L20S 400	E	S		2	26	<2	
L20S 450	E	S		4	94	<2	
L20S 500	E	S		11	66	<2	
L20S 550	E	S		9	31	<2	
L20S 600	E	S		9	21	<2	
L20S 650	E	S		6	17	<2	
L20S 700	E	S		8	17	<2	
L20S 750	E	S		4	17	<2	
L20S 800	E	S		6	15	<2	
L20S 850	E	S		42	16	<2	
L20S 900	E	S		10	18	<2	
L20S 950	E	S		5	11	<2	
L20S 1000	E	S		4	10	<2	
L20S 1050	E	S		6	15	<2	
L20S 1100	E	S		7	20	<2	
L20S 1150	E	S		4	13	<2	
L20S 1200	E	S		15	32	4	
L20S 1250	E	S		8	22	2	
L20S 1300	E	S		9	19	2	
L20S 1350	E	S		6	16	<2	
L20S 1400	E	S		9	18	<2	
L20S 1450	E	S		10	53	2	
L20S 1500	E	S		10	29	<2	
L20S 1550	E	S		12	32	2	
L20S 1600	E	S		8	32	3	
L20S 1650	E	S		11	31	<2	
L20S 1700	E	S		4	43	2	
L20S 1750	E	S		6	49	3	
L20S 1800	E	S		6	45	3	

FIELD NUMBER		TYPE		Cu	Zn	Mo
				PPM	PPM	PPM
L20S 1850	E	S		5	42	2
L20S 1900	E	S		13	109	2
L20S 1950	E	S		5	96	2
L20S 2000	E	S		7	214	<2
L20S 2050	E	S		9	70	<2
L20S 2100	E	S		8	74	2
L20S 2150	E	S		7	129	<2
L20S 2200	E	S		7	83	<2
L20S 2250	E	S		7	75	2
L20S 2300	E	S		6	58	3
L20S 2350	E	S		5	55	<2
L20S 2400	E	S		8	59	<2
L20S 2450	E	S		15	83	3
L20S 2500	E	S		11	46	2
L20S 2550	F	S		6	44	<2
L20S 2600	E	S		15	78	<2
L20S 2650	E	S		13	70	<2
L20S 2700	E	S		9	123	<2
L20S 2750	E	S		8	49	2
L20S 2800	E	S		5	47	2
L20S 2850	E	S		8	42	<2
L20S 2900	F	S		8	35	<2
L20S 2950	E	S		10	42	<2
L20S 3000	E	S		7	37	2
L20S 3050	E	S		8	27	<2
L20S 3100	E	S		8	30	<2
L20S 3150	E	S		8	25	<2
L20S 3200	E	S		10	24	<2
L20S 3250	E	S		9	22	2
L20S 3300	E	S		10	29	<2
L20S 3350	E	S		10	19	<2
L20S 3400	E	S		4	10	<2
L20S 3450	E	S		15	29	4
L20S 3500	E	S		8	15	2
L20S 3550	E	S		6	16	2
L20S 3600	E	S		8	18	<2

FIELD NUMBER		TYPE	Cu PPM	Zn PPM	Mo PPM
L258	0 W	S	10	26	2
L258	50 W	S	7	28	2
L258	100 W	S	7	19	5
L258	150 W	S	8	24	3
L258	200 W	S	7	17	2
L258	250 W	S	8	21	4
L258	300 W	S	9	19	3
L258	350 W	S	12	35	<2
L258	400 W	S	13	39	2
L258	450 W	S	11	39	2
L258	500 W	S	15	52	2
L258	550 W	S	9	20	2
L258	600 W	S	11	57	2
L258	650 W	S	16	44	3
L258	700 W	S	15	60	2
L258	750 W	S	14	47	<2
L258	800 W	S	10	47	3
L258	850 W	S	13	56	3
L258	900 W	S	7	24	2
L258	950 W	S	14	36	4
L258	1000 W	S	9	38	<2

FIELD NUMBER		TYPE		Cu	Zn	Pb
				PPM	PPM	PPM
L25S 50	E	S		7	27	<2
L25S 100	E	S		9	35	<2
L25S 150	E	S		7	26	2
L25S 200	E	S		9	45	<2
L25S 250	E	S		6	20	<2
L25S 300	E	S		11	30	<2
L25S 350	E	S		11	17	<2
L25S 400	E	S		8	29	<2
L25S 450	E	S		5	8	<2
L25S 500	E	S		8	16	<2
L25S 550	E	S		11	20	<2
L25S 600	E	S		6	26	<2
L25S 650	E	S		26	43	5
L25S 700	E	S		11	25	<2
L25S 750	E	S		10	22	<2
L25S 800	E	S		9	22	<2
L25S 850	E	S		7	16	<2
L25S 900	E	S		8	21	<2
L25S 950	E	S		10	29	<2
L25S 1000	E	S		9	27	2
L25S 1050	E	S		12	22	<2
L25S 1100	E	S		10	20	<2
L25S 1150	E	S		10	21	2
L25S 1200	E	S		8	27	<2
L25S 1250	E	S		8	19	<2
L25S 1300	E	S		10	19	<2
L25S 1350	E	S		9	14	2
L25S 1400	E	S		11	13	<2
L25S 1450	E	S		10	14	<2
L25S 1500	E	S		15	19	<2
L25S 1550	E	S		9	15	<2
L25S 1600	E	S		10	26	2
L25S 1650	E	S		10	31	.3
L25S 1700	E	S		11	23	2
L25S 1750	E	S		11	20	2
L25S 1800	E	S		10	17	<2

FIELD NUMBER	TYPE	Cu PPM	Zn PPM	Mo PPM
L258 1850	E S	8	13	2
L258 1900	E S	9	12	2
L258 1950	E S	10	14	<2
L258 2000	E S	9	13	3
L258 2050	E S	7	22	2
L258 2100	E S	7	15	2
L258 2150	E S	8	13	2
L258 2200	E S	7	11	2
L258 2250	E S	7	12	<2
L258 2300	E S	6	11	<2
L258 2350	E S	8	13	<2
L258 2400	E S	9	17	<2
L258 2450	E S	13	20	<2
L258 2500	E S	8	15	<2
L258 2550	E S	10	18	<2
L258 2600	E S	11	44	2
L258 2650	E S	10	147	3
L258 2700	E S	9	244	3
L258 2750	E S	10	93	<2
L258 2800	E S	9	66	<2
L258 2850	E S	21	312	9
L258 2900	E S	6	60	<2
L258 2950	E S	9	69	<2
L258 3000	E S	3	55	3
L258 3050	E S	9	76	2
L258 3100	E S	5	39	3
L258 3150	E S	7	61	<2
L258 3200	E S	8	62	2
L258 3250	E S	9	69	2
L258 3300	E S	6	39	2
L258 3350	E S	7	43	2
L258 3400	E S	10	54	3
L258 3450	E S	7	58	<2
L258 3500	E S	13	29	2
L258 3550	E S	8	25	2
L258 3600	E S	7	35	<2
L258 3650	E S	11	37	<2
L258 3700	E S	6	27	<2
L258 3750	E S	12	33	<2
L258 3800	E S	11	39	<2
L258 3850	E S	10	31	3
L258 3900	E S	13	36	2
L258 3950	E S	11	44	<2

FIELD NUMBER		TYPE		Cu	Zn	Mn
				PPM	PPM	PPM
L30S 0	E	S		15	50	2
L30S 50	F	S		16	55	2
L30S 100	E	S		15	52	<2
L30S 200	E	S		12	45	2
L30S 250	E	S		12	59	3
L30S 300	E	S		11	38	<2
L30S 350	E	S		10	40	2
L30S 400	F	S		11	58	2
L30S 450	F	S		14	45	3
L30S 500	F	S		10	42	2
L30S 550	E	S		7	55	2
L30S 600	E	S		8	43	<2
L30S 650	E	S		9	56	2
L30S 700	E	S		8	42	3
L30S 750	E	S		8	17	2
L30S 800	F	S		7	11	<2
L30S 850	E	S		17	25	2
L30S 900	F	S		9	18	<2
L30S 950	E	S		6	13	<2
L30S 1000	E	S		3	9	<2
L30S 1050	E	S		6	28	<2
L30S 1100	E	S		6	25	2
L30S 1150	E	S		11	23	2
L30S 1200	E	S		14	33	3
L30S 1250	E	S		18	11	3
L30S 1300	E	S		11	11	2
L30S 1350	E	S		7	16	2
L30S 1400	E	S		6	16	<2
L30S 1450	E	S		5	12	<2
L30S 1500	E	S		7	13	<2
L30S 1550	E	S		11	37	<2
L30S 1600	E	S		13	88	2
L30S 1650	E	S		10	78	2
L30S 1700	F	S		10	48	<2
L30S 1750	F	S		8	27	2
L30S 1800	E	S		8	12	4

FIELD NUMBER	TYPE	Cu PPM	Zn PPM	Mo PPM
L30S 1850	E S	9	20	2
L30S 1900	E S	8	50	2
L30S 1950	E S	8	25	3
L30S 2000	E S	9	23	3
L30S 2050	E S	9	20	2
L30S 2100	E S	11	56	3
L30S 2150	E S	17	52	2
L30S 2200	E S	7	36	2
L30S 2250	E S	8	32	3
L30S 2300	E S	5	20	2
L30S 2350	E S	8	33	2
L30S 2400	E S	7	20	3
L30S 2450	E S	11	26	3
L30S 2500	E S	7	19	<2
L30S 2550	E S	4	16	<2
L30S 2600	E S	10	25	<2
L30S 2650	E S	6	32	<2
L30S 2700	E S	4	23	<2
L30S 2750	E S	10	42	<2
L30S 2800	E S	10	39	<2
L30S 2850	E S	5	41	<2
L30S 2900	E S	7	45	<2
L30S 2950	E S	10	73	<2
L30S 3000	E S	11	75	<2
L30S 3050	E S	14	47	<2
L30S 3100	E S	12	37	<2
L30S 3150	E S	13	49	<2
L30S 3200	E S	9	47	<2
L30S 3250	E S	7	51	<2
L30S 3300	E S	7	49	<2
L30S 3350	E S	8	73	2
L30S 3400	E S	7	168	<2
L30S 3450	E S	10	151	3
L30S 3500	E S	6	53	<2
L30S 3550	E S	13	57	2
L30S 3600	E S	10	47	<2

APPENDIX "B"

STATEMENT OF EXPENDITURES
FOR GEOLOGY AND SOIL GEOCHEMISTRY
ON THE TROUT CLAIMS

SALARIES

M.J. Osatenko	July 2, 1980 Report Writing (3 days @ \$155/day)	\$ 155.00 465.00
B.G. Ames	July 1, 9, 21-26, 28-31; August 1, 2, 4-6, 1980 (17 days @ \$82/day)	1,394.00
D. Pauls	July 1, 9, 21-26, 28-31; August 1, 2, 4-6, 1980 (170 hours @ \$6.50/hr)	1,105.00

TRUCK

1 truck for ½ month	500.00
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ANALYSES

433 soil samples for Cu, Zn, Mo @ \$4.10/sample	1,776.00
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DOMICILE

17 days for 2 men @ \$40/day	680.00
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MISCELLANEOUS

flagging, bags, phone calls, shipping	<u>200.00</u>
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\$ 6,275.00

APPENDIX "C"

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

I, MYRON J. OSATENKO, OF THE CITY OF VERNON, BRITISH COLUMBIA, HEREBY CERTIFY:

1. THAT I AM A GEOLOGIST, RESIDING AT 7702 SAGE DR., VERNON, BRITISH COLUMBIA WITH A BUSINESS ADDRESS AT 4405 - 28th STREET, VERNON, BRITISH COLUMBIA.
2. THAT I GRADUATED WITH B.SC. AND M.SC. DEGREES IN GEOLOGY FROM THE UNIVERSITY OF BRITISH COLUMBIA IN 1965 AND 1967 RESPECTIVELY.
3. THAT I HAVE PRACTISED GEOLOGY WITH COMINCO LTD. FROM 1967 TO PRESENT.

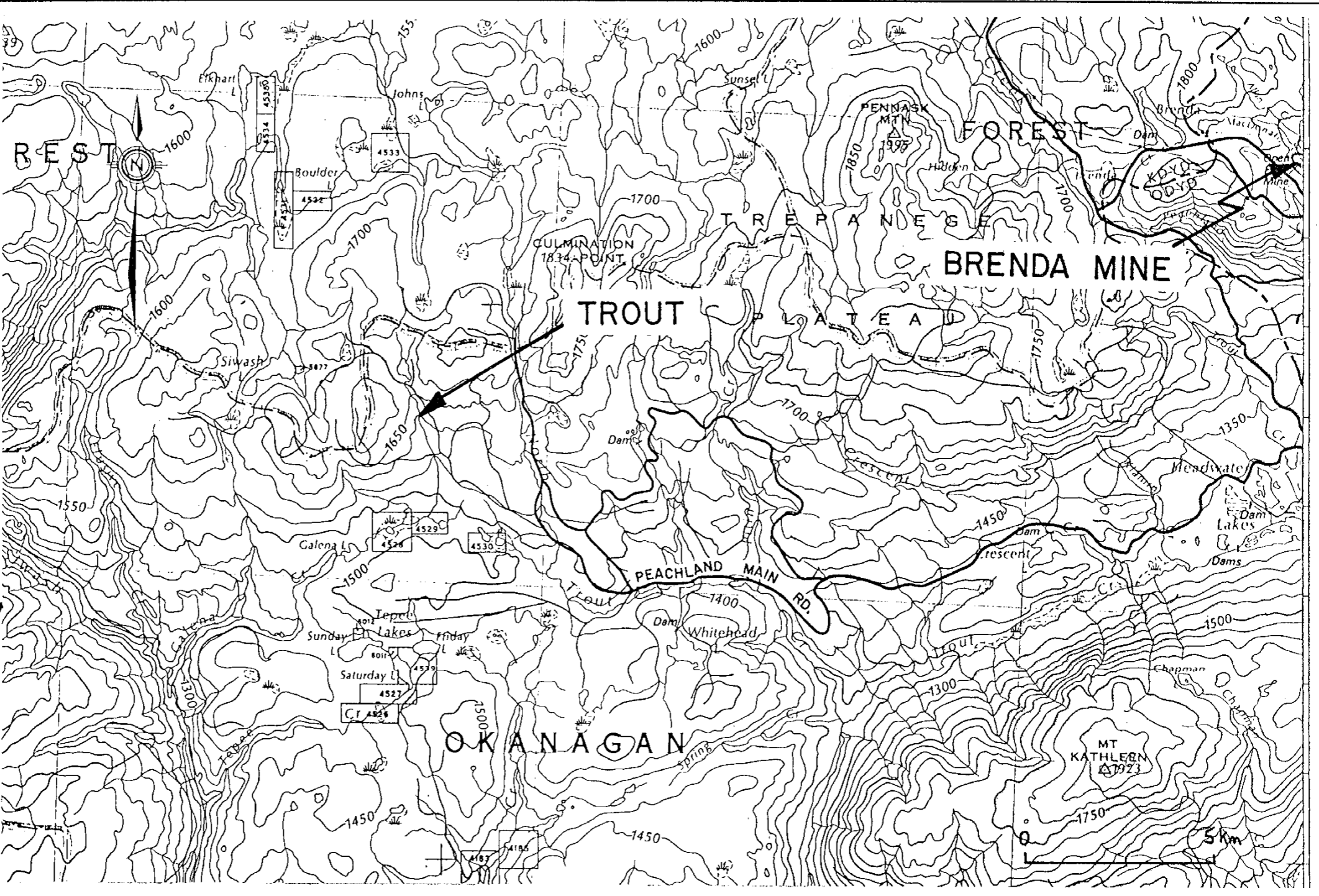
DATED THIS 20th day of January 1981, at Vernon, British Columbia.

SIGNED

m. Osatenko

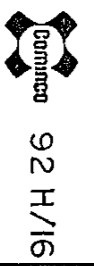
Myron J. Osatenko, M.Sc.

B.G. AMES: B.Sc. in geology, Manitoba, 1977;
temporary employee of Cominco.

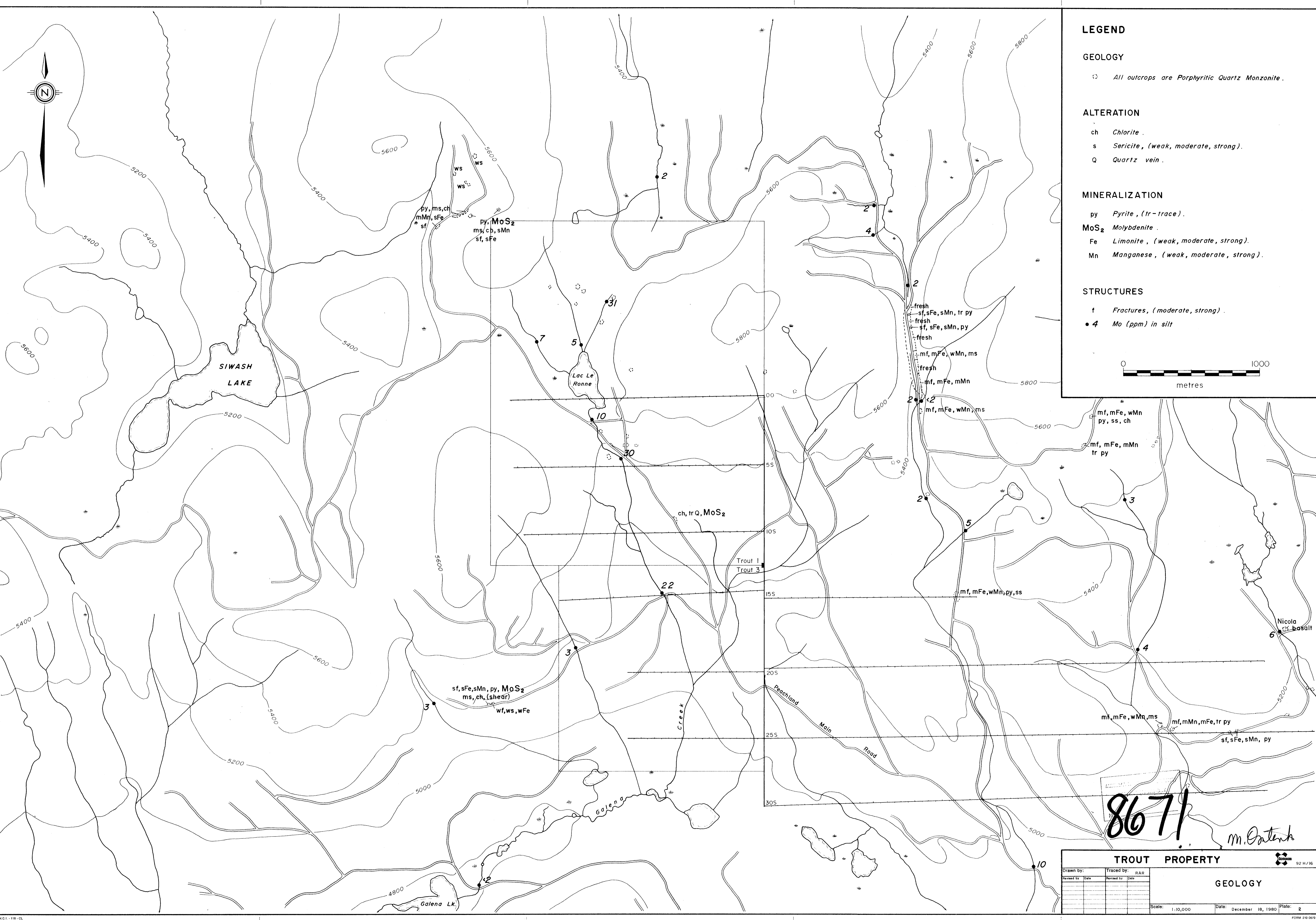


Drawn by: _____ Traced by: _____
 Revised by: _____ Date: _____ Revised by: _____ Date: _____

8671
 Location of Trout property



Scale: 1:125,000 Date: Jan. 20, 1981 Plate: 1



LEGEND

GEOLOGY

☉ All outcrops are Porphyritic Quartz Monzonite.

ALTERATION

ch Chlorite .
 s Sericite, (weak, moderate, strong).
 Q Quartz vein .

MINERALIZATION

py Pyrite, (tr-trace).
 MoS₂ Molybdenite .
 Fe Limonite, (weak, moderate, strong).
 Mn Manganese, (weak, moderate, strong).

STRUCTURES

f Fractures, (moderate, strong) .
 ● 4 Mo (ppm) in silt

0 1000
 metres

8671 m. Guterch

TROUT PROPERTY		GEOLOGY	
Drawn by:	Traced by: RAR	Scale: 1:10,000	Date: December 18, 1980
Revised by:	Revised by:	Plate: 2	



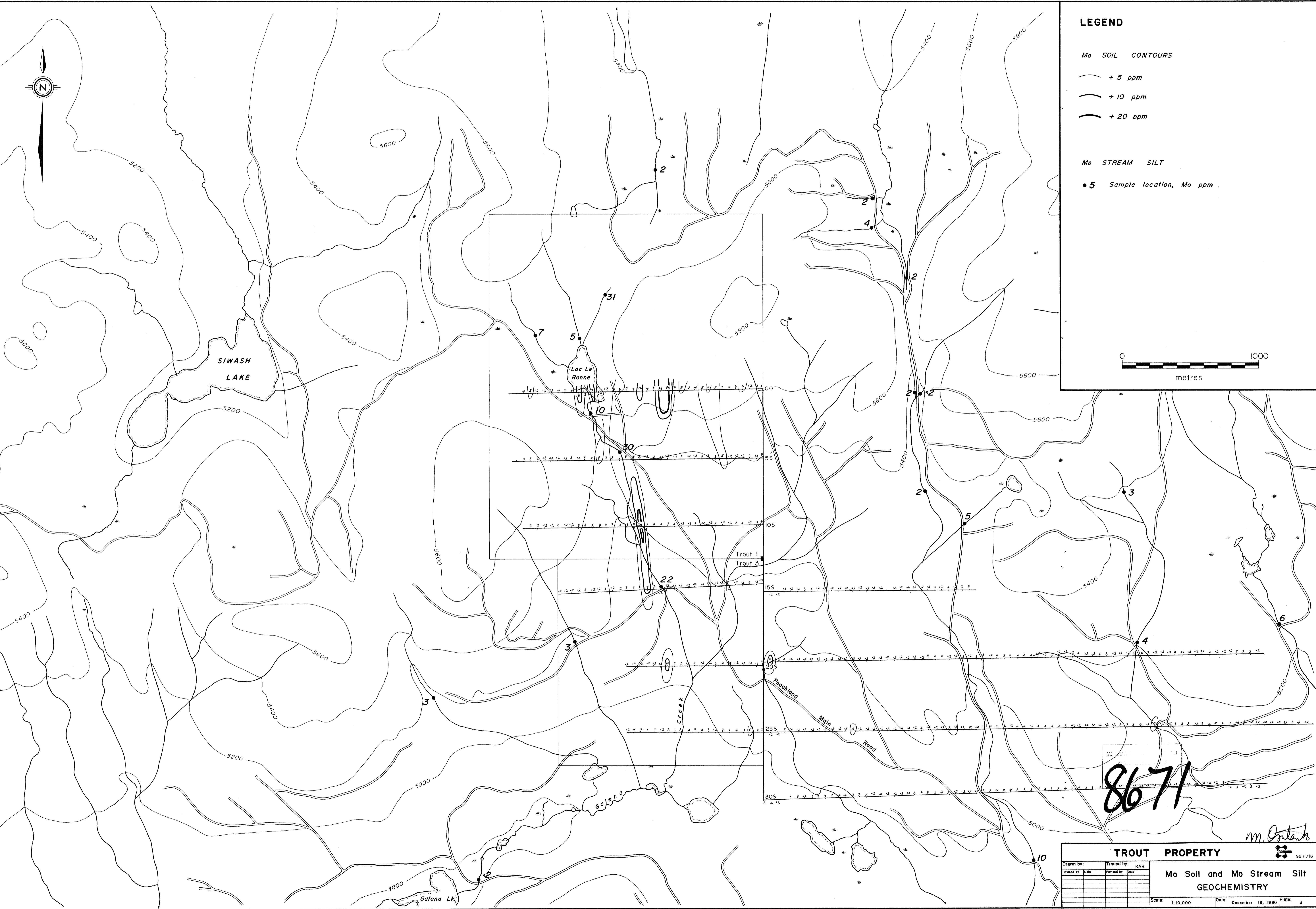
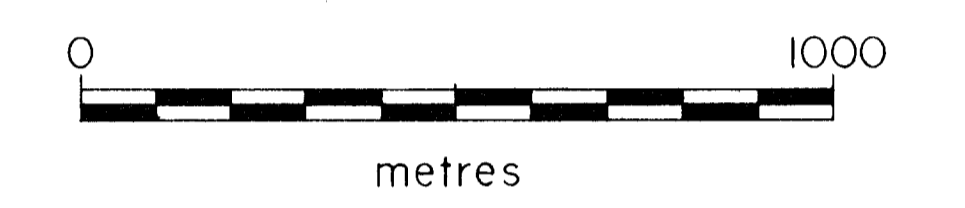
LEGEND

Mo SOIL CONTOURS

- + 5 ppm
- + 10 ppm
- + 20 ppm

Mo STREAM SILT

- Sample location, Mo ppm.



8671

m. Cantank

TROUT PROPERTY

Drawn by:	Traced by: RAR
Revised by:	Revised by:

**Mo Soil and Mo Stream Silt
GEOCHEMISTRY**

Scale: 1:10,000 Date: December 18, 1980 Plate: 3