

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 A/13

1994 ASSESSMENT REPORT

ITCH and SEL PROPERTIES



SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

HASSELBERG LAKE AREA, SIMPSON RANGE, PELLY MOUNTAINS

WORK PERIOD

AUGUST 10 AND 13, 1994

APRIL, 1995

PAUL A. MacROBBIE

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This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 8000.

M. Burke

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

**1994 ASSESSMENT REPORT
ITCH and SEL PROPERTIES, YUKON TERRITORY**

1. SUMMARY

The ITCH and SEL properties, are located north of Hasselberg Lake, about 70 kms southeast of Cominco's ABM VHMS Deposit and approximately 120 kms northwest of Watson Lake.

The properties were staked to cover airborne geophysical targets identified during a Cominco survey conducted in early 1994.

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT). The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics, and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites. Felsic volcanics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

Both the ITCH and SEL properties are underlain by a late Devonian to mid-Mississippian sequence of "middle unit" carbonaceous mudstone and silty mudstone with minor siltstone and quartzite interbeds of the YTT. A thrust panel of serpentinized ultramafic rocks of the SMT underlie the hills to the west of the properties.

Soil and stream silt samples from the western side of the ITCH property returned a strong Ni-Cr-Co-As-Fe-Mo-V-Cu metal association reflecting the presence of the ultramafics to the west. The eastern soil contour line returned no anomalous values of interest. The AEM/Mag features maybe reflecting the carbonaceous content of the mudstones and the presence of ultramafics? Given the lack of any indications of the presence of felsic volcanics and/or mineralization, no further work is recommended for the ITCH property.

A soil contour line across the central part of the SEL property returned a series of anomalous Ag (>0.8 ppm, up to 3.2) samples with supporting As values, the source for which is unknown. Further soil sampling is warranted to determine whether base metal anomalies are present.

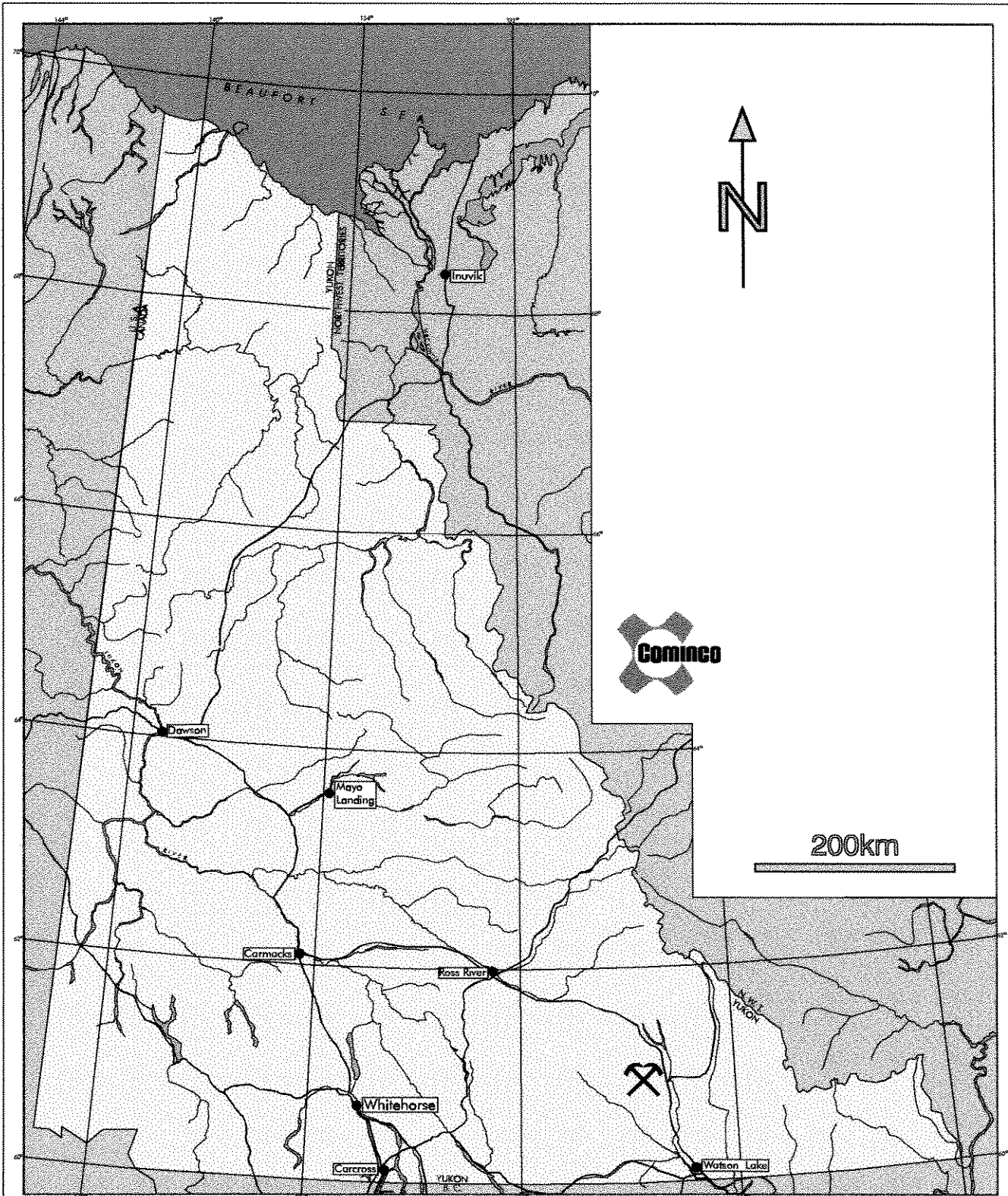
2. LOCATION AND ACCESS

The ITCH property is located about 5 kms north of the SEL property, which is located on the northwest shore of Hasselberg Lake. This area is about 70 kms southeast of Cominco's ABM VHMS Deposit and approximately 120 kms southeast of Watson Lake (Figures 1). The gravel, all-weather Robert Campbell Highway provides access to within 30 kms of the properties. Direct access is by helicopter.

3. PROPERTY AND OWNERSHIP

The ITCH property (84 units) and the SEL property (17 units) (Figure 2) are 100% owned by Cominco Ltd.

<u>NAME</u>	<u>UNITS</u>	<u>CLAIM NO.</u>	<u>DUE DATES</u>
ITCH 1-84	84	YB50105-181	July 7/95
SEL 1-17	17	YB50088-104	July 7/95



Drawn by:		Traced by: a. m. a.	
Revised by:	Date:	Revised by:	Date:

ITCH and SEL PROPERTY LOCATIONS

105 A/13
 Scale: As Shown Date: April, 1995 Plate: 1

4. PREVIOUS WORK

No prior Cominco work has been undertaken in the immediate area of the properties.

With the exception of placer Au claims (Minfile #34) found approximately 2 kms west of the SEL property, there are no recorded showings in the immediate ITCH and SEL property area.

5. REGIONAL GEOLOGY

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT) (Mortensen, 1983a; Mortensen and Jilson, 1985).

The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" (3I) of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" (3F) comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics (3G), and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc volcanism developed within a more reduced basinal setting. Felsic volcanoclastics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

The late Devonian to Triassic SMT comprises a heterogenous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonate and chert. This sequence was structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening (D2). The SMT is thought to represent a disrupted oceanic crust and volcanic arc assemblage thought to be located between the YTT and ancestral North America(?).

A subhorizontal to moderately north to northeast dipping, penetrative ductile deformation fabric (S2) and associated middle greenschist facies (chlorite-biotite grade) metamorphism affects all YTT rocks. This fabric reflects the first, and most significant, deformational and metamorphic event (D1) perhaps related to a continent-arc collision during late Permian to early Triassic time.

Late Triassic immature clastics comprising micaceous argillite, siltstone and sandstone unconformably(?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting (D2), during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent(?) faults and separates the YTT from autochthonous North America (Mortensen, 1983a; Mortensen and Jilson, 1985).

6. 1994 FIELD WORK

ITCH PROPERTY GEOLOGICAL MAPPING

On August 10, 1994, 1:10,000 scale geological mapping and prospecting was carried out by P.W. Ransom and A.B. Mawer (Figure 3).

SOIL GEOCHEMISTRY

A total of 101 soil samples and 4 silt samples were collected on August 10, 1994. Data is presented in Figure 3 and Appendix 2.

SEL PROPERTY SOIL GEOCHEMISTRY

A total of 35 soil samples were collected on August 13, 1994. Data is presented in Figure 3 and Appendix 2.

All soil and silt samples were analyzed for Cu, Pb, Zn, Ag, As, Cd, Co, Ni, Fe, Mo, Cr, Bi, Sb, V, Sn, W, Sr, Y, La, Mn, Mg, Ti, Al, Ca, Na and K by I.C.P., Au by Aqua Regia decomposition/AAS and Ba by XRF at Cominco Exploration Research Laboratory (CERL) in Vancouver.

7. ITCH PROPERTY GEOLOGY and GEOCHEMISTRY

Mortenson (1983a) suggests the property to be underlain by the late Devonian to mid-Mississippian "*middle unit*" comprising carbonaceous phyllite and metasedimentary schist and local intervals of mafic metavolcanics (3F) of the YTT.

The property is generally poorly exposed with outcrops restricted to creek cuts along the west side of the property. The stratigraphy here generally trends north to northwest with moderate (25-47°) north to northeast dips. The stratigraphy in this area (Figure 3) consists of grey to black, variably carbonaceous mudstone and silty mudstone with minor interbedded quartzite and siltstone. The base of this unit has not been defined. These mudstones are strikingly similar to typical Selwyn Basin shales of the late Devonian Earn Group; similar to the shale section on the east shore of Wolverine Lake. No indications of the presence of felsic volcanics was found on the property.

A thrust fault is inferred immediately to the west of the property which places strongly magnetic serpentinized ultramafics and gabbros of the SMT on top of the YTT sediments.

Soil samples from the western-most contour soil line returned only scattered strong Ni (up to 302 ppm) values with a coincident Cr-Co-As-V±Cu metal signature. The 4 stream silt samples taken in this same area show the same Ni-Cr-Co-As-Fe-Mo-V-Cu association with the highest values from the 2 samples furthest up creek (ie. sample 242954 and 242956). These silt and soil anomalies are obviously related to the ultramafic rocks found to the west of the property.

The eastern soil contour line returned no anomalous values of interest.

8. SEL PROPERTY GEOLOGY and GEOCHEMISTRY

The SEL property is located along the northwest shore of Hasselberg Lake, about 2 kms south of the ITCH. No outcrop exposure was noted on the property. Regional mapping by Mortensen (1983a) suggests the SEL property is underlain by the same stratigraphy as at the ITCH.


A single soil contour line was sampled across the central part of the property. Of interest are a series of anomalous Ag (>0.8 ppm, up to 3.2) samples with supporting As values (and perhaps a very weak elevated Zn signature?). Several scattered anomalous Ni values are present but without the ultramafic signature. The source for these Ag-As anomalies is unknown.


9. CONCLUSIONS and RECOMMENDATIONS


Both the ITCH and SEL properties are underlain by a late Devonian to mid-Mississippian sequence of "*middle unit*" carbonaceous mudstone and silty mudstone with minor siltstone and quartzite interbeds of the YTT. A thrust panel of serpentinized ultramafic rocks of the SMT underlie the hills to the west of the properties.

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A soil contour line across the central part of the SEL property returned a series of anomalous Ag (>0.8 ppm, up to 3.2) samples with supporting As values, the source for which is unknown. Further soil sampling is warranted to determine whether base metal anomalies are present.

Report by: 
P.A. MacRobbie,
Geologist

Endorsed by: 
D. Rhodes,
Senior Geologist

Approved for
Release by: 
J.M. Hamilton
Manager, Exploration
Western Canada

PAM/

DISTRIBUTION:
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10. REFERENCES

- MORTENSEN, J. K., 1983a. AGE AND EVOLUTION OF THE YUKON-TANANA TERRANE, SOUTHEASTERN YUKON TERRITORY [Ph.D. Thesis]; Santa Barbara, University of California, 155 p.
- MORTENSEN, J. K. AND JILSON, G. A., 1985. EVOLUTION OF THE YUKON-TANANA TERRANE : EVIDENCE FROM SOUTHEASTERN YUKON TERRITORY; *Geology*, 13, p. 806-810.

APPENDIX 1


STATEMENT OF QUALIFICATIONS

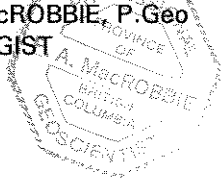
STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 11164 Southridge Rd., Delta, B.C. hereby declare that I:

1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.
2. Have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.
3. Am a registered member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

Date: April 10, 1995




P.A MacROBBIE, P. Geo
GEOLOGIST


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Date: April 10, 1995



P.A MacROBBIE, P.Geo
GEOLOGIST

APPENDIX 2

1994 GEOCHEMISTRY DATA

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	Q	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(1cp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Itch	S9419294	247001	**	2	1	2	2B	34	2	2	10	52	-1	**	19	12	124	0.2	3	89	1	7	37	1.33	1	22	2	2	17	7	1	35	5	10	691	0.53	0.03	0.80	0.70	0.01	0.09	5	10	1074
Itch	S9419295	247002	**	1	4	**	3B	34	3	2	50	2	B	**	10	2	29	0.2	1	123	1	3	25	0.95	1	19	2	2	10	10	1	57	4	8	170	0.39	0.01	0.80	1.21	0.02	0.05	5	10	1073
Itch	S9419296	247003	**	1	5	**	BY	25	1	2	50	2	B	**	10	12	48	0.2	3	119	1	6	22	1.60	1	32	2	2	26	8	1	23	3	9	284	0.58	0.03	1.15	0.41	0.01	0.12	5	10	1235
Itch	S9419297	247004	**	1	5	**	BY	34	1	2	60	2	B	**	18	8	48	0.2	14	121	1	11	113	1.82	1	31	2	2	21	11	1	30	7	13	331	1.42	0.03	1.04	0.55	0.01	0.10	5	10	1307
Itch	S9419298	247005	**	1	5	**	BY	34	1	2	50	2	B	**	16	10	51	0.2	1	146	1	8	35	1.92	1	35	2	2	26	12	1	33	7	14	281	0.88	0.03	1.24	0.80	0.01	0.10	5	10	1337
Itch	S9419299	247006	**	2	1	2	3B	34	3	2	10	2	-1	**	29	9	57	0.2	7	147	1	6	49	1.35	1	23	2	2	14	4	1	96	8	12	438	0.80	0.02	0.92	2.26	0.01	0.07	5	10	1028
Itch	S9419300	247007	**	1	5	**	2B	25	1	2	50	2	B	**	40	13	64	0.2	13	236	1	9	82	2.02	3	39	2	2	24	4	1	46	11	18	539	0.71	0.03	1.21	0.78	0.01	0.15	5	10	1501
Itch	S9419301	247008	**	2	1	4	3B	34	3	3	-1	1	1	**	21	8	65	0.2	11	152	1	9	63	1.55	1	34	2	2	18	1	1	45	7	11	722	0.69	0.03	0.97	0.82	0.01	0.10	5	10	1194
Itch	S9419302	247009	**	1	5	**	2B	34	1	2	40	2	B	**	28	10	65	0.2	11	176	1	8	50	1.67	1	35	2	2	20	5	1	54	9	13	577	0.85	0.02	1.17	0.77	0.01	0.11	5	10	1419
Itch	S9419303	247010	**	1	5	**	2B	34	1	2	50	2	B	**	16	6	42	0.2	4	238	1	6	36	1.30	1	22	2	2	15	5	1	89	4	8	1239	0.44	0.01	0.87	1.36	0.01	0.07	5	10	1302
Itch	S9419304	247011	**	1	4	**	3B	34	3	2	45	2	B	**	13	7	42	0.2	3	194	1	5	32	1.31	1	23	2	2	14	4	1	69	5	11	437	0.52	0.01	1.00	1.12	0.01	0.10	5	10	1267
Itch	S9419305	247012	**	2	1	1	2B	34	2	3	-1	52	1	**	13	9	40	0.2	1	142	1	8	42	1.43	1	26	2	2	18	1	1	37	6	10	898	0.50	0.02	0.89	0.59	0.01	0.09	5	10	1141
Itch	S9419306	247013	**	1	5	**	2B	34	2	2	40	2	B	**	12	7	47	0.2	4	169	1	6	31	1.31	1	28	2	2	17	9	1	84	4	9	536	0.52	0.01	1.01	0.95	0.01	0.08	5	10	1293
Itch	S9419307	247014	**	1	5	**	BY	25	1	2	60	2	B	**	15	11	57	0.2	8	137	1	9	44	1.82	1	31	2	2	23	5	1	35	7	14	756	0.66	0.03	1.09	0.59	0.01	0.11	5	10	1361
Itch	S9419308	247015	**	1	5	**	3B	34	3	2	50	2	B	**	24	9	48	0.2	5	217	1	6	54	1.72	1	28	2	2	19	3	1	75	7	12	548	0.52	0.01	1.03	1.58	0.01	0.05	5	10	1242
Itch	S9419309	247016	**	1	4	**	3B	34	3	3	60	2	A	**	18	4	35	0.2	5	222	1	2	34	0.57	5	9	2	2	7	1	1	82	2	4	2334	0.23	0.01	0.62	1.91	0.03	0.04	5	10	1122
Itch	S9419310	247018	**	1	1	3	3B	34	3	3	30	1	A	**	15	11	104	0.6	8	373	2	11	42	2.00	2	29	2	2	18	1	1	60	8	16	1217	0.49	0.01	1.19	1.29	0.01	0.05	5	10	1399
Itch	S9419311	247019	**	1	5	**	BY	24	1	1	25	2	B	**	8	6	99	0.2	5	170	1	5	22	1.99	1	26	2	2	31	6	1	10	2	7	207	0.42	0.01	1.50	0.11	0.01	0.04	5	10	1097
Itch	S9419312	247020	**	1	5	**	RB	23	1	1	30	2	B	**	11	14	54	0.2	7	49	1	4	23	3.39	1	30	2	2	54	4	1	6	2	6	310	0.41	0.02	1.51	0.08	0.01	0.04	5	10	886
Itch	S9419313	247021	**	1	5	**	BR	24	1	1	20	1	B	**	15	9	68	0.2	21	87	1	7	29	2.40	1	32	2	2	36	7	1	6	2	6	225	0.40	0.02	1.64	0.06	0.01	0.04	5	10	956
Itch	S9419314	247022	**	1	5	**	BY	24	1	1	30	1	B	**	12	10	82	0.2	16	65	1	6	37	3.26	1	43	2	2	47	10	1	8	2	5	224	0.57	0.01	1.71	0.98	0.01	0.07	5	10	953
Itch	S9419315	247023	**	1	5	**	RY	23	1	1	20	1	B	**	15	9	62	0.2	17	123	1	7	42	2.47	1	37	2	2	32	9	1	7	3	8	172	0.45	0.03	1.95	0.07	0.01	0.05	5	10	1087
Itch	S9419316	247024	**	1	5	**	BR	23	1	1	15	1	B	**	10	6	51	0.2	19	110	1	5	30	2.18	1	35	2	2	30	3	1	8	2	7	189	0.45	0.01	1.50	0.08	0.01	0.04	5	10	1032
Itch	S9419317	247025	**	1	5	**	BY	24	1	1	20	2	B	**	10	6	47	0.2	7	167	1	7	37	1.89	2	29	2	2	23	1	1	12	3	7	185	0.52	0.02	1.33	1.02	0.01	0.09	5	10	1289
Itch	S9419318	247026	**	1	5	**	BY	25	1	1	20	1	B	**	7	9	33	0.2	13	84	1	4	16	1.49	1	26	2	2	20	2	1	10	3	9	135	0.36	0.02	1.06	0.12	0.01	0.06	5	10	1145
Itch	S9419319	247027	**	1	5	**	BY	24	1	1	15	1	B	**	10	8	37	0.2	8	70	1	5	34	1.59	1	38	2	2	21	1	1	9	3	9	155	0.47	0.02	1.15	1.11	0.01	0.06	5	10	1043
Itch	S9419320	247028	**	1	5	**	2B	23	1	2	30	1	B	**	13	9	46	0.2	8	128	1	7	59	1.87	1	47	2	2	23	5	1	12	4	9	160	0.54	0.02	1.42	0.15	0.01	0.08	5	10	1075
Itch	S9419321	247029	**	1	5	**	BR	24	1	1	20	1	B	**	10	10	72	0.2	11	83	1	6	31	3.09	1	46	2	2	45	7	1	9	2	6	221	0.48	0.05	1.41	0.10	0.01	0.07	5	10	1169
Itch	S9419322	247030	**	1	5	**	BY	23	1	3	30	1	B	**	6	8	42	0.2	1	120	1	2	17	1.19	1	35	2	2	24	9	1	15	2	5	101	0.27	0.01	0.80	0.30	0.01	0.04	5	10	1145
Itch	S9419323	247031	**	1	5	**	BY	23	1	1	30	1	B	**	7	9	44	0.2	3	153	1	3	19	2.01	1	37	2	2	45	1	1	20	2	6	133	0.33	0.04	1.06	0.31	0.01	0.06	5	10	1099
Itch	S9419324	247032	**	1	5	**	BY	23	1	1	30	1	B	**	9	9	51	0.2	1	154	1	4	26	2.50	1	45	2	2	45	8	1	17	3	7	161	0.39	0.03	1.28	0.27	0.01	0.05	5	10	1149
Itch	S9419325	247033	**	1	5	**	BR	23	1	1	15	1	B	**	10	8	57	0.2	2	70	1	4	24	2.79	1	31	2	2	51	7	1	6	2	8	264	0.39	0.02	1.58	0.06	0.01	0.05	5	10	1017
Itch	S9419326	247034	**	1	5	**	BR	23	1	1	20	1	B	**	7	9	30	0.2	14	69																								

ltch	S9419885	242215	2	1	2	**	K	4	3	3	35	2	B2	**	40	2	40	0.2	1	452	1	3	144	0.41	2	11	2	2	5	1	1	145	14	32	908	0.69	0.01	0.60	2.80	0.02	0.01	5	10	952
ltch	S9419888	242216	2	1	2	**	K	4	3	2	35	2	B1	**	5	2	18	0.2	2	76	1	1	14	0.17	1	4	2	2	2	2	1	33	3	8	159	0.16	0.01	0.26	0.45	0.03	0.02	5	10	1150
ltch	S9419887	242217	2	1	2	**	2G	4	3	2	25	2	B1	**	6	6	21	0.2	1	110	1	3	12	0.65	1	16	2	2	11	1	1	14	1	4	155	0.30	0.01	0.65	0.14	0.01	0.04	5	10	1280
ltch	S9419888	242218	2	1	2	**	K	4	3	2	37	2	B2	**	29	12	57	0.6	12	176	1	10	74	1.63	4	54	2	2	23	4	1	52	19	48	499	0.68	0.01	1.41	0.66	0.02	0.07	5	10	1103
ltch	S9419889	242219	2	1	2	**	1B	23	3	2	25	2	B2	**	2	7	21	0.4	1	49	1	1	7	1.10	2	15	2	2	27	1	1	5	1	4	106	0.21	0.02	0.56	0.04	0.01	0.04	5	10	1159
ltch	S9419890	242220	2	1	2	**	2G	23	3	2	25	2	B2	**	11	10	30	0.4	1	119	1	5	33	1.17	1	22	2	2	18	2	1	12	2	7	115	0.40	0.01	1.10	0.09	0.01	0.04	5	10	1071
ltch	S9419891	242221	2	1	2	**	2N	23	3	2	30	2	B2	**	14	12	42	0.4	2	94	1	7	38	1.41	1	30	2	2	23	2	1	14	3	8	287	0.59	0.01	1.04	0.22	0.01	0.05	5	10	1123
ltch	S9419892	242222	2	1	2	**	2N	23	3	2	30	2	B2	**	8	10	29	0.6	1	69	1	5	30	1.83	1	28	2	2	21	3	1	5	1	5	126	0.35	0.01	1.23	0.04	0.01	0.04	5	10	1032
ltch	S9419893	242223	2	1	2	**	2B	23	3	2	25	2	B2	**	8	7	33	0.5	8	88	1	6	40	1.14	1	20	2	2	19	1	1	17	3	7	248	0.52	0.02	0.82	0.28	0.02	0.06	5	10	997
ltch	S9419894	242224	2	1	2	**	GN	23	3	2	25	2	B2	**	3	8	23	0.2	5	59	1	2	10	0.96	1	18	2	2	20	1	1	6	1	3	97	0.34	0.01	0.83	0.06	0.01	0.04	5	10	949
ltch	S9419895	242225	2	1	2	**	3G	34	3	2	27	2	B2	**	26	16	48	0.2	2	230	1	24	53	0.97	2	21	2	2	15	1	1	42	5	13	1091	0.33	0.01	0.82	0.45	0.01	0.06	5	10	1242
ltch	S9419896	242226	2	1	2	**	3G	34	3	2	28	2	B2	**	16	10	36	0.4	1	125	1	6	33	1.03	1	20	2	2	16	3	1	25	2	7	356	0.41	0.01	0.77	0.41	0.01	0.06	5	10	1132
ltch	S9419897	242227	2	1	2	**	3G	35	3	2	30	2	B2	**	24	13	71	0.8	11	209	1	8	50	1.70	1	44	2	2	42	1	1	35	8	14	485	1.12	0.03	1.71	0.53	0.04	0.05	5	10	1149
ltch	S9419898	242228	2	1	2	**	K	34	3	2	45	2	B1	**	31	14	57	0.6	12	278	1	11	85	2.05	3	51	2	2	27	3	1	52	21	42	475	0.72	0.01	1.68	0.80	0.02	0.07	5	10	1286
ltch	S9419899	242229	2	1	2	**	K	34	3	2	35	2	B1	**	24	13	47	0.6	9	174	1	19	68	1.99	2	44	2	5	26	1	1	33	11	23	973	0.58	0.01	1.21	0.52	0.01	0.08	5	10	1145
ltch	S9419900	242230	2	1	2	**	3Y	34	3	1	25	2	B2	**	7	8	25	0.2	3	70	1	3	19	1.69	1	21	2	2	20	4	1	5	1	4	103	0.27	0.01	1.15	0.04	0.01	0.03	5	10	879
ltch	S9419901	242231	2	1	2	**	2G	34	3	2	35	2	B2	**	8	7	17	0.2	2	94	1	1	12	0.54	1	13	2	2	8	1	1	17	2	7	80	0.19	0.01	0.49	0.23	0.01	0.05	5	10	879
ltch	S9419902	242232	2	1	2	**	BK	4	3	2	35	2	B1	**	22	7	58	0.4	1	174	1	4	44	0.88	2	21	2	58	2	1	72	11	24	414	0.30	0.01	0.76	1.22	0.01	0.06	5	10	855	
ltch	S9419903	242233	2	1	2	**	BG	4	3	2	30	2	B1	**	1	5	6	0.2	1	115	1	1	1	0.15	1	2	2	2	6	1	1	10	1	3	18	0.02	0.01	0.52	0.12	0.01	0.02	5	10	1121
ltch	S9419904	242234	2	1	2	**	BR	23	3	2	30	2	B2	**	7	10	32	0.2	6	94	1	4	25	1.28	1	19	2	2	16	1	1	8	2	6	117	0.32	0.01	0.92	0.08	0.01	0.03	5	10	1083
ltch	S9419905	242235	2	1	2	**	2N	23	3	2	25	2	B2	**	6	9	27	0.2	1	74	1	3	15	1.21	1	18	2	2	18	1	1	5	1	5	90	0.28	0.01	1.00	0.03	0.01	0.03	5	10	1033
ltch	S9419906	242236	2	1	2	**	GN	34	3	1	30	2	B2	**	3	11	23	0.4	1	103	1	1	6	0.78	1	9	2	2	17	1	1	4	1	5	58	0.15	0.01	1.00	0.03	0.01	0.02	5	10	1106
ltch	S9419907	242237	2	1	2	**	1G	34	3	2	20	2	B2	**	2	8	14	0.2	1	37	1	1	11	0.45	1	6	2	2	10	3	1	3	1	3	60	0.18	0.01	0.49	0.03	0.01	0.02	5	10	1069
ltch	S9419908	242238	2	1	2	**	2N	23	3	2	20	3	B2	**	26	7	40	0.4	5	132	1	5	34	1.38	1	36	2	5	34	1	1	19	5	11	165	1.21	0.05	1.94	0.15	0.03	0.07	5	10	1011
ltch	S9419909	242239	2	1	2	**	2G	34	3	2	25	2	B2	**	37	13	74	0.6	15	142	1	13	198	2.10	2	67	2	2	43	1	1	42	14	29	271	1.19	0.03	2.00	0.47	0.06	0.06	5	10	1012
ltch	S9419910	242240	2	1	2	**	1B	34	3	1	25	2	B2	**	4	13	39	0.6	3	121	1	3	7	2.05	1	12	2	2	34	1	1	8	1	3	154	0.17	0.01	0.83	0.06	0.01	0.03	5	10	1080
ltch	S9419911	242241	2	1	2	**	1B	34	3	1	25	2	B2	**	2	10	48	0.4	1	79	1	6	11	1.83	1	24	2	2	25	1	1	5	1	4	238	0.67	0.03	1.30	0.08	0.01	0.08	5	10	1086
ltch	S9419912	242242	2	1	2	**	2Y	34	3	1	25	2	B2	**	7	9	34	0.4	7	118	1	4	17	1.60	1	16	2	2	21	5	1	5	1	3	136	0.29	0.01	1.11	0.04	0.01	0.04	5	10	1218
ltch	S9419913	242243	2	1	2	**	BR	23	3	1	25	2	B2	**	5	14	43	0.4	9	87	1	3	11	1.85	1	15	2	2	26	2	1	5	1	4	270	0.23	0.01	0.84	0.05	0.01	0.04	5	10	1035
ltch	S9419914	242244	2	1	2	**	2G	34	3	1	20	2	B2	**	1	7	4	0.4	1	106	1	1	1	0.08	1	2	2	2	5	2	1	3	1	6	5	0.01	0.01	0.61	0.01	0.01	0.01	5	10	1094
ltch	S9419915	242245	2	1	2	**	BR	23	3	1	25	2	B2	**	4	10	36	0.4	4	40	1	2	8	1.85	1	13	2	2	31	1	1	2	1	3	101	0.20	0.01	0.85	0.02	0.01	0.03	5	10	1018
ltch	S9419916	242246	2	1	2	**	BY	23	3	1	20	2	B2	**	14	15	47	0.6	1	75	1	6	31	1.82	1	26	2	2	28	2	1	6	2	6	225	0.60	0.01	1.19	0.07	0.01	0.05	5	10	1079
ltch	S9419917	242247	2	1	2	**	1B	34	3	1	20	2	B2	**	3	2	20	0.5	1	37	1	1	2	0.28	1	4	2	2	9	1	1	4	1	2	41	0.04	0.01	0.45	0.03	0.01	0.02	5	10	1042
ltch	S9419918	242248	2	1	2	**	BR	34	2	1	25	2	B2	**	7	11	33	0.6	13	85	1	3	18	1.73	1	20	2	2	22	1	1	4	1	5	125	0.28	0.01	1.22	0.03	0.01	0.04	5	10	1102
ltch	S9419919	242249	2	1	2	**	2B	23	2	2	20	2	B2	**	3	6	12	0.4	1	66	1	1	2	0.40	1	5	2	2	8	1	1	4	1	4	36	0.09	0.01	0.71	0.03	0.01	0.03	5	10	1032
ltch	S9419920	242250	2	1	2	3	K	4	2	3	35	2	B1	**	3	2	91	0.2	1	55	1	1	5	0.06	1	2	2	2	1	2	1	52	1	1	21	0.33	0.01	0.04	1.00	0.03	0.01	5	10	-1
ltch	S9421055	242954	3	2	1	**	1B	23	1	3	20	53	2	**	46	7	78	0.2	50	153	1	31	531	2.61	1	162	2	2	26	1	1	17	9	9	721	2.83	0.01	1.15	0.40	0.01	0.05	5	10	584
ltch	S9421056	242955	3	2	1	**	1B	23	1	1	20	52	3	**	22	9	116	0.2	63	83	1	25	332	2.60	1	101	2	2	35	2	1	19	5	10	517	4.30	0.02	1.11	0.32	0.03	0.09	-1	-1	-1
ltch	S9421057	242956	3	2	1	**	2G	23	1	1																																		

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	WS	FW	P	Cu	Pb	Zn	Ag	As	Ba(1cp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Sel	S9419921	242251	2	1	2	**	BR	23	2	1	20	2	B2	**	11	18	62	0.9	1	93	1	8	36	2.31	1	31	2	2	37	2	1	7	2	4	305	0.51	0.03	1.17	0.09	0.01	0.08	5	10	1359
Sel	S9419922	242252	2	1	2	**	BR	23	2	1	20	2	B2	**	6	14	41	0.4	1	63	1	3	19	2.27	1	28	2	2	37	1	1	5	1	4	408	0.34	0.01	1.33	0.05	0.01	0.07	5	10	1173
Sel	S9419923	242253	2	1	2	**	2G	23	2	1	20	2	B2	**	1	8	8	0.4	1	36	1	1	1	0.05	1	6	2	2	2	1	1	2	1	4	2	0.01	0.01	0.28	0.01	0.01	0.03	5	10	1609
Sel	S9419924	242254	2	1	2	**	2B	23	2	1	20	2	B2	**	16	12	45	0.5	6	100	1	6	49	1.80	1	43	2	2	29	3	1	8	2	6	188	0.46	0.01	1.07	0.08	0.01	0.06	5	10	1288
Sel	S9419925	242255	2	1	2	**	BR	23	2	1	25	2	B2	**	11	15	54	0.5	8	83	1	6	31	2.24	1	22	2	2	28	1	1	6	2	5	253	0.47	0.01	1.13	0.06	0.01	0.07	5	10	1171
Sel	S9419926	242256	2	1	2	**	2B	23	2	1	25	2	B2	**	7	10	41	0.5	4	93	1	4	27	1.86	1	28	2	2	34	4	1	6	1	5	144	0.46	0.02	1.08	0.05	0.01	0.07	5	10	1102
Sel	S9419927	242257	2	1	2	**	1B	34	2	1	20	2	B	**	25	7	48	0.5	4	82	1	8	60	1.65	1	34	2	2	25	2	1	10	7	12	245	0.59	0.03	0.92	0.14	0.01	0.08	5	10	1169
Sel	S9419928	242258	2	1	2	**	BR	23	2	1	25	2	B2	**	3	7	18	0.2	1	48	1	1	9	0.78	1	12	2	2	19	1	1	3	1	3	80	0.16	0.01	0.82	0.03	0.01	0.04	5	10	1132
Sel	S9419929	242259	2	1	2	**	BR	23	2	1	27	2	B2	**	4	11	42	0.5	1	88	1	2	11	2.41	1	17	2	5	42	5	1	4	1	4	138	0.17	0.01	1.03	0.02	0.01	0.04	5	10	1105
Sel	S9419930	242260	2	1	2	**	BR	23	2	1	30	2	B2	**	10	17	63	0.7	5	82	1	6	32	2.81	1	32	2	2	40	1	1	5	2	6	565	0.57	0.01	1.75	0.06	0.01	0.07	5	10	1107
Sel	S9419931	242261	2	1	2	**	1G	23	2	1	30	2	B2	**	2	6	12	0.2	1	32	1	1	2	0.43	1	8	2	2	14	1	1	3	1	3	57	0.09	0.01	0.60	0.02	0.01	0.02	5	10	1060
Sel	S9419932	242262	2	1	2	**	BR	23	2	1	26	2	B2	**	8	11	63	0.2	1	54	1	4	22	2.34	1	25	2	2	37	2	1	4	2	4	312	0.34	0.01	1.46	0.06	0.01	0.05	5	10	1113
Sel	S9419933	242263	2	1	2	**	BY	23	2	1	25	2	B2	**	11	11	49	0.5	1	114	1	8	39	1.66	1	25	2	2	25	3	1	7	1	4	162	0.40	0.01	1.15	0.05	0.01	0.05	39	10	1292
Sel	S9419934	242264	2	1	2	**	2B	3	2	1	25	2	B2	**	8	8	28	0.6	1	61	1	3	24	1.45	1	39	2	2	23	2	1	4	1	4	78	0.30	0.01	0.87	0.04	0.01	0.03	5	10	1023
Sel	S9419935	242265	2	1	2	**	GN	3	2	1	30	2	B2	**	20	9	68	0.6	6	124	1	5	41	1.94	1	38	2	6	33	1	1	7	2	6	247	0.58	0.01	1.36	0.06	0.01	0.07	5	10	1388
Sel	S9419936	242266	2	1	2	**	BR	3	2	1	26	2	B2	**	9	15	91	0.7	1	82	1	5	25	2.40	1	23	2	2	31	2	1	4	1	4	365	0.41	0.01	1.50	0.03	0.01	0.06	5	10	1161
Sel	S9419937	242267	2	1	2	**	BR	3	2	1	28	2	B2	**	16	15	102	0.6	1	132	1	11	43	2.52	1	36	2	6	37	5	1	7	2	6	257	0.50	0.01	1.57	0.04	0.01	0.06	5	10	1373
Sel	S9419938	242268	2	1	2	**	2B	35	2	2	29	2	B2	**	32	17	73	0.6	9	195	1	13	73	2.43	2	43	2	2	39	1	1	11	9	14	238	0.67	0.02	1.59	0.06	0.01	0.05	5	10	1620
Sel	S9419939	242269	2	1	2	**	BR	23	2	1	30	2	B2	**	5	12	50	0.5	1	107	1	3	16	1.49	1	20	2	2	22	1	1	4	1	5	95	0.32	0.01	1.27	0.03	0.01	0.05	-1	-1	-1
Sel	S9419940	242270	2	1	2	**	BR	23	2	1	20	2	B2	**	6	9	59	0.4	4	62	1	4	18	1.79	1	17	2	2	31	6	1	3	1	4	253	0.40	0.01	1.42	0.02	0.01	0.04	-1	-1	-1
Sel	S9419941	242271	2	1	2	**	2B	23	2	1	30	2	B2	**	15	16	123	0.4	17	88	1	10	70	2.80	1	39	2	2	37	2	1	5	1	5	261	0.91	0.01	1.73	0.04	0.01	0.10	-1	-1	-1
Sel	S9421014	242958	3	1	2	**	1B	23	1	1	30	2	B2	**	13	10	50	0.2	5	98	1	8	48	2.43	1	43	2	2	51	4	1	7	2	7	158	0.63	0.01	1.60	0.04	0.01	0.05	5	10	1281
Sel	S9421015	242959	3	1	2	**	1B	23	1	1	30	2	B2	**	16	4	62	0.2	20	33	1	7	46	3.44	3	43	2	2	43	4	1	4	3	6	240	0.81	0.01	1.65	0.03	0.01	0.05	5	10	1475
Sel	S9421016	242960	3	1	2	**	1G	34	1	1	30	2	B2	**	4	7	25	0.2	3	43	1	2	13	1.27	1	19	2	2	25	5	1	5	1	9	92	0.27	0.01	0.85	0.02	0.01	0.03	5	10	1328
Sel	S9421017	242961	3	1	2	**	1G	23	1	1	30	1	B2	**	14	8	48	0.2	9	57	1	7	45	2.82	1	52	2	5	39	7	1	5	2	8	191	0.74	0.01	1.78	0.03	0.01	0.06	5	10	1396
Sel	S9421018	242962	3	1	2	**	1N	23	1	1	20	1	B2	**	15	7	54	0.2	1	72	1	9	62	2.98	1	59	2	2	41	3	1	6	2	7	237	0.82	0.02	1.89	0.04	0.01	0.05	5	10	1223
Sel	S9421019	242963	3	1	2	**	1N	23	1	1	30	1	B2	**	28	12	58	0.5	27	80	1	11	88	2.97	1	62	2	2	40	1	1	7	3	8	248	0.98	0.03	2.02	0.06	0.01	0.07	5	10	1207
Sel	S9421020	242964	3	1	2	**	1G	34	1	1	30	1	B2	**	12	13	47	0.4	29	45	1	5	31	2.76	1	36	2	2	36	3	1	5	2	8	197	0.62	0.01	1.46	0.02	0.01	0.05	5	10	1352
Sel	S9421021	242965	3	1	2	**	2N	23	1	1	30	1	B2	**	17	14	79	0.9	34	74	1	9	41	3.41	3	42	2	2	41	3	1	6	4	11	216	0.71	0.01	1.93	0.03	0.01	0.04	5	10	1573
Sel	S9421022	242966	3	1	2	**	2N	23	1	1	20	1	B2	**	21	11	72	0.5	35	84	1	9	60	3.39	1	52	2	2	42	6	1	10	3	8	225	0.82	0.01	2.07	0.08	0.01	0.06	5	10	1415
Sel	S9421023	242967	3	1	2	**	2N	23	1	1	30	1	B2	**	20	11	55	0.5	19	107	1	10	56	2.44	1	37	2	2	31	1	1	13	5	13	202	0.77	0.02	1.98	0.13	0.01	0.06	5	10	1344
Sel	S9421024	242968	3	1	2	**	1G	23	1	1	20	1	B2	**	22	16	78	0.9	25	150	1	16	53	2.85	1	38	2	5	34	1	1	23	4	13	505	0.69	0.01	1.67	0.26	0.01	0.07	5	10	1310
Sel	S9421025	242969	3	1	2	**	2B	23	1	1	20	1	B2	**	17	13	67	0.5	19	92	1	7	45	3.74	1																			

APPENDIX 3

STATEMENTS OF EXPENDITURES

ITCH PROPERTY

STAFF COSTS	1,136
DOMICILE	491
GEOCHEMISTRY	1,785
HELICOPTER	1,944
COMMUNICATIONS	72
TRUCK RENTAL	152
FREIGHT	471
EXPEDITING	95
DRAFTING	456
TOTAL	6,602

SEL PROPERTY

STAFF COSTS	438
DOMICILE	218
GEOCHEMISTRY	595
HELICOPTER	720
COMMUNICATIONS	25
TRUCK	52
FREIGHT	161
EXPEDITING	33
DRAFTING	156
TOTAL	2,398

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 A/13

1994 ASSESSMENT REPORT

ITCH and SEL PROPERTIES

SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

HASSELBERG LAKE AREA, SIMPSON RANGE, PELLY MOUNTAINS

ITCH - LAT: 60°58'
SEL - LAT: 60°55'

ITCH - LONG: 129°48'
SEL - LONG: 129°49'

WORK PERIOD

AUGUST 10 AND 13, 1994

APRIL, 1995

PAUL A. MacROBBIE

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 A/13

1994 ASSESSMENT REPORT

ITCH and SEL PROPERTIES

SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

HASSELBERG LAKE AREA, SIMPSON RANGE, PELLY MOUNTAINS

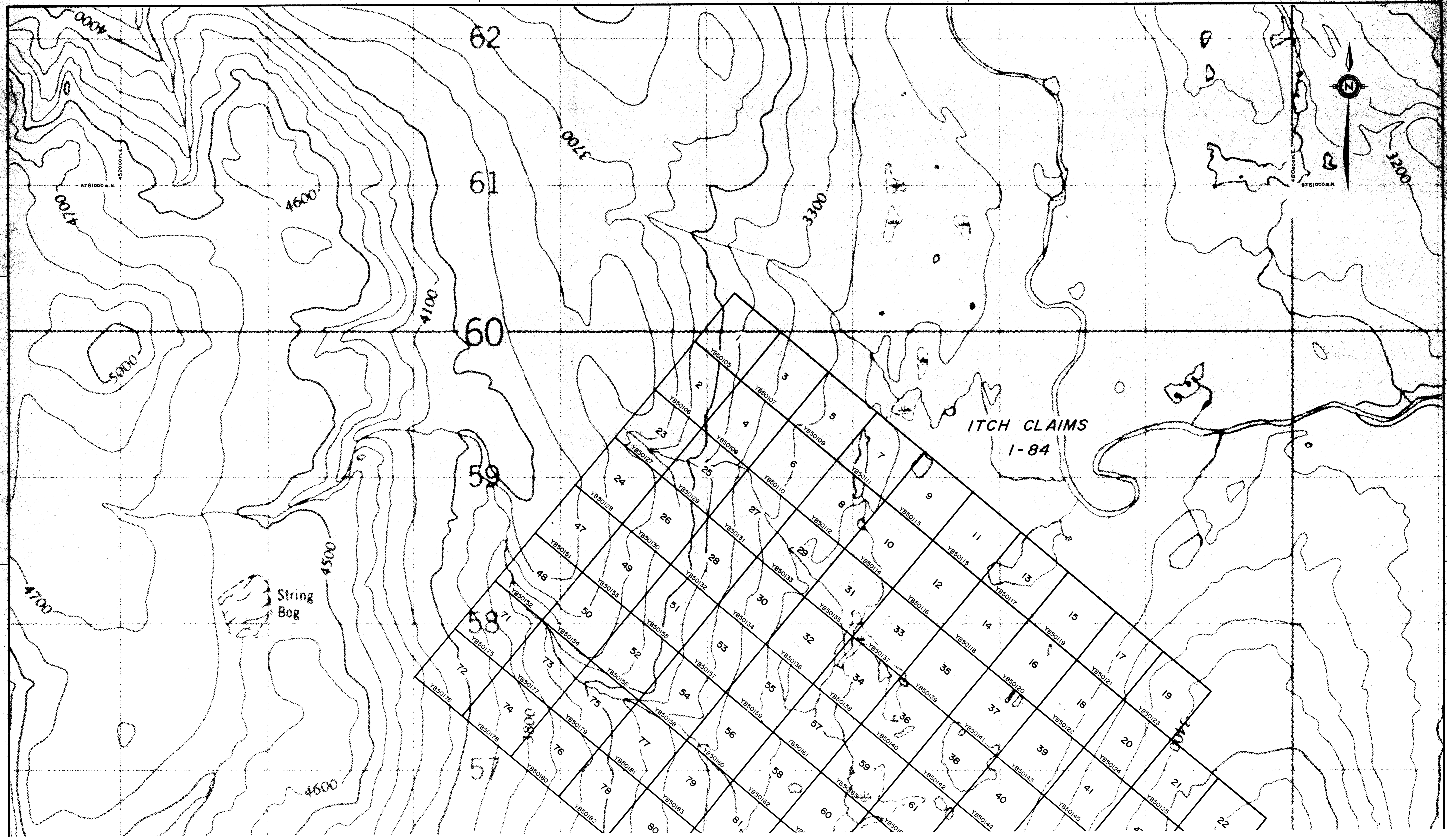
ITCH - LAT: 60°58'
SEL - LAT: 60°55'

ITCH - LONG: 129°48'
SEL - LONG: 129°49'

WORK PERIOD

AUGUST 10 AND 13, 1994

093330



ITCH CLAIMS
1-84

String
Bog



62

61

60

59

58

57

80

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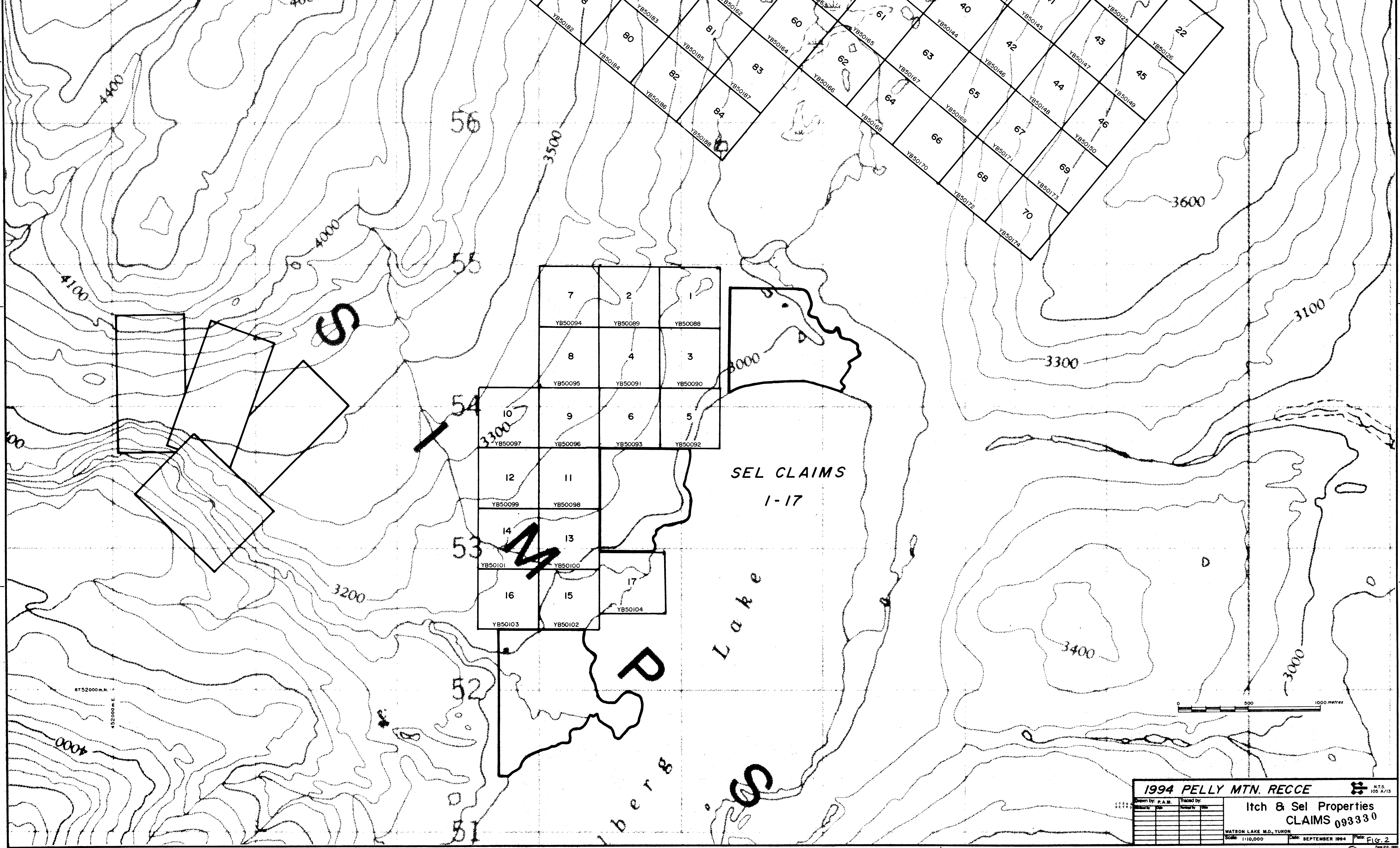
130

131

132

133

134



SEL CLAIMS 1-17

7 YB50094	2 YB50089	1 YB50088
8 YB50095	4 YB50091	3 YB50090
10 YB50097	9 YB50096	6 YB50093
12 YB50099	11 YB50098	5 YB50092
14 YB50101	13 YB50100	
16 YB50103	15 YB50102	17 YB50104

40 YB50144	41 YB50145	42 YB50146	43 YB50147	44 YB50148	45 YB50149	22 YB50125
60 YB50164	61 YB50165	62 YB50166	63 YB50167	64 YB50168	65 YB50169	46 YB50150
80 YB50184	81 YB50185	82 YB50186	83 YB50187	84 YB50188	66 YB50170	47 YB50151
					68 YB50172	48 YB50152
					70 YB50174	49 YB50153

1994 PELLY MTN. RECCE N.T.S.
105 A/15

Drawn by: P.A.M.	Traced by:
Checked by:	Checked by:

Itch & Sel Properties
CLAIMS 093330

WATSON LAKE M.D., YUKON
Scale: 1:110,000 Date: SEPTEMBER 1994 Fig. 2

