

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.11.07

ASSESSMENT REPORT 18040

MINING DIVISION: Atlin

PROPERTY: Per
LOCATION: LAT 58 59 00 LONG 132 41 00
UTM 08 6540294 633150
NTS 104K15E

CLAIM(S): Per 1-4
OPERATOR(S): Cominco
AUTHOR(S): Mawer, A.B.
REPORT YEAR: 1988, 17 Pages

COMMODITIES

SEARCHED FOR: Gold

GEOLOGICAL

SUMMARY: The claims are underlain by a mixed assemblage of Mississippian to Permian Cache Creek Group sedimentary rocks, which are in fault contact with peridotite of the Nahlin ultramafic body.

WORK

DONE: Geological, Geochemical
GEOL 700.0 ha
Map(s) - 1; Scale(s) - 1:5000
ROCK 22 sample(s) ;AU,AG,CU,PB,ZN
SOIL 150 sample(s) ;AU,AG,CU,PB,ZN
Map(s) - 1; Scale(s) - 1:5000

EXPLORATION
NTS 104K/15, 104N/2

COMINCO LTD.

LOG NO. 1130	RD.
WESTERN CANADA	

ASSESSMENT REPORT
GEOLOGICAL - GEOCHEMICAL REPORT
PER GROUP
ATLIN MINING DISTRICT
NAKINA RIVER AREA

LATITUDE: ~~48°55'N~~ ^{58°59'}

LONGITUDE: 132°40'W

FILMED

OWNER OF CLAIMS:
COMINCO LTD.
700-409 GRANVILLE STREET
VANCOUVER, B.C.
V6C 1T2

OPERATOR: COMINCO LTD.

SUB-RECORDER RECEIVED
FEB 14 1989
M.R. # _____ \$ _____
VANCOUVER, B.C.

WORK PERFORMED DURING AUGUST, 1988

GEOLOGICAL BRANCH
ASSESSMENT REPORT

OCTOBER, 1988

18,040

REPORTED BY: A.B. MAWER

ASSESSMENT REPORT
PER GROUP
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EXPLORATION
NTS 104K/15, 104N/2

COMINCO LTD.

WESTERN CANADA

ASSESSMENT REPORT
PER GROUP

1. INTRODUCTION

This report outlines preliminary development work on the PER Group of four claims (80 units) situated within the Atlin Mining Division of B.C.

During 1988 the exploration program consisted of prospecting, geological mapping, rock sampling and contour soil sampling, performed by Cominco Ltd.

2. SUMMARY

The Per property is located within the Atlin Mining Division at latitude 48°55'N, longitude 132°40'W on map sheets NTS 104K/15 and 104N/2. The area is approximately 85 km SE of Atlin, B.C. and lies on the east side of Peridotite Peak near the headwaters of Horsefeed Creek, a westerly flowing branch of the Nakina River. The claims are underlain by a mixed assemblage of Mississippian to Permian age Cache Creek Group sediments in fault contact with peridotite of the Nahlin ultramafic body.

In 1949 prospectors reported finding gold bearing silicified zones near the faulted contacts of sediments and ultramafic bodies, near the headwaters of Horsefeed Creek. In the fall of 1987 the area of interest was acquired by locating claims and in August of 1988 a preliminary program of prospecting, geological mapping and contour soil sampling was carried out.

The results of this program have indicated that the four PER claims have little potential for gold mineralization and although one showing of chalcopyrite and sphalerite found appears to have very limited potential and very low grade with only traces of gold.

It is recommended that no further work be done on the PER group of claims and that the ground be abandoned when assessment credits expire.

3. PROPERTY

The Per Group comprises 80 units in four contiguous claims located by perimeter staking:

<u>Claims</u>	<u>Number of Units</u>	<u>Recorded</u>	<u>Assessment Work Due</u>
PER 1	20	November 12, 1987	November 12, 1987
PER 2	20	"	"
PER 3	20	"	"
PER 4	20	"	"

* NOTE: Assessment credits for work reported herein shall extend these dates

4. OWNERSHIP

The PER Group of 4 claims (80 units) is 100% owned by Cominco Ltd., 700-409 Granville Street, Vancouver, B.C., V6C 1T2.

5. LOCATION AND ACCESS

The PER Group is located within the Atlin Mining Division on map sheets NTS 104K/15 and 104N/2 at latitude 48°55'N, longitude 132°40'W. The claims are situated on the northeast side of Peridotite Peak and cover the area that slopes gradually down to the big meadows at the headwaters of Horsefeed Creek. The area is in part subalpine with scrub timber and brush to alpine with very few clumps of scrub spruce and willows.

Access to the property was by helicopter from Atlin, B.C. a distance of approximately 85 km., however other methods could be used as numerous hunting packhorse trails exist in the area.

6. HISTORY AND DEVELOPMENT

In 1949 two Cominco prospectors reported finding gold bearing silicified breccia in this area and located several claims; they followed this up in 1950 by doing more work but with disappointing results and the claims were never recorded.

In the fall of 1987 it was decided to locate the PER claims and investigate the claims area in 1988. During the 1988 program, rock cairns with notes and tags preserved in tin cans were located that matched the prospectors' 1950 notes. A program of geological mapping, prospecting and contour soil sampling was conducted in the area of reported gold occurrence and other areas of the claim group. One new mineral occurrence was located that consisted of sphalerite and chalcopyrite in faulted and brecciated chert and peridotite, but assay results from all locations were very disappointing and no further work is recommended.

7. GEOLOGY

1. Regional

The Peridotite Peak - Horsefeed Creek area is dominantly underlain by Upper Paleozoic and Lower Triassic Cache Creek Group of sedimentary formations that strike northwesterly and are in fault contact with peridotites of the Nahlin ultramafic body.

2. Property

The property is underlain by members of the Kadaha Formation consisting mainly of thick bedded black and grey chert and minor white chert; some interbedded black pyritic argillite and impure tuffaceous limestone breccia also occurs. These members are in fault contact with massive orange brown weathering partly serpentinized dark green to almost black coarse crystalline peridotite of the Nahlin ultramafic body. In one area limestone and dolomitic limestone of the Horsefeed formation were noted.

2(a) Stratigraphy

The oldest rock units exposed on the claim group belong to the Kadaha Formation and consist of massive bedded grey to black to white chert. Within the chert are minor interbedded black pyritic argillite and tuffaceous impure carbonate lenses. Unconformably underlying the Kadaha Formation is the fossiliferous massive white crinoidal limestone of the Horsefeed Formation.

The ultrabasic formation of the Nahlin ultramafic body consisting of peridotite and serpentinized peridotite, could possibly be older than the above formations.

2(b) Structure

The property covers an area transected by numerous northwesterly trending faults with vertical dips and of various magnitudes. Rock units generally trend northwesterly with variable dip attitudes and some folding and brecciation is evident.

2(c) Metamorphism

Within the claim area there is little evidence of metamorphism of the outcropping rock units. Along shear zones of faults the peridotite is generally serpentinized and in some shears alteration to chlorite with some silicification was noted.

2(d) Mineralization

In 1949 prospectors reported assay results of sampling of limonitic and manganese stained silicified breccia and quartz. This material is reported to have assayed 3.68 oz/T Au and a 2 metre thick slab was reported to contain 0.40 oz/T Au. Prospectors' notes of follow-up in 1950 indicated only trace amounts of gold.

In 1988 sampling of the limonitic brecciated chert indicated no gold values in any of the numerous specimens and samples cut from float and outcrop. Prospecting in the present program located a fault shear zone in chert and peridotite to the east of the original showing area. This zone is approximately 10 m wide and is mineralized with disseminations and small lenses and blebs of chalcopyrite and sphalerite. Sampling indicates no gold values, very low silver and low copper-zinc values. The potential of this zone is too small to be considered as a base metal prospect.

8. GEOCHEMISTRY

Soil sampling was conducted in selected areas underlain by what was considered the favourable host according to the evidence at hand at the beginning of the program.

The soil samples were collected along contour lines at 25 m intervals at a depth of approximately 30 cm in the "B" Horizon. Generally the soils were poorly developed with much rock talus or humus from decaying mosses. The samples were stored in Kraft paper bags, shipped to Cominco Research Laboratory, 1486 East Pender Street, Vancouver, B.C., processed and analyzed there for Au, Ag, Pb, Zn and Cu. Due to the limited number of samples taken and in random areas no statistical analysis or value contouring was attempted.

All rock samples were analyzed geochemically and consisted of measured rock chip sampling in selected character samples of float material. The samples were collected in 9x11 plastic bags and shipped to Cominco Research Laboratory at 1486 East Pender Street, Vancouver, B.C. The rock samples were crushed, split and pulverized to -200 mesh before hot aqua-regia digestion for Ag, Pb, Zn, Cu determination Au analysis was by solvent extraction.

9. CONCLUSIONS AND RECOMMENDATIONS

This preliminary program of prospecting, geological mapping, sampling and soil sampling has established that the previous reports of gold mineralization in this area is without foundation. No further work is recommended and the claims should be abandoned.

Reported by A. B. Mawer
A.B. Mawer
Senior Geologist

Authorized for release by W. J. Wolfe
W.J. Wolfe
Manager, Exploration
- Western Canada

ABM/jd

REFERENCES

- (1) Cominco Files,
Prospector's Notes, R.E. Wolverton 1950.
- (2) GSC Paper 74-47 Upper Paleozoic Rocks of the Atlin Terrane NW B.C. and
South-central Yukon, J.W.H. Monger 1975.
- (3) GSC Map 1082A, Atlin.
- (4) GSC Map 1262A, Tulequah and Juneau.

APPENDICES

- (1) Appendix A - Affidavit
- (2) Appendix B - Statement of Expenditures
- (3) Appendix C - Statement of Qualifications
- (4) Appendix D - Assay Data

ATTACHMENTS

		<u>Scale</u>
Plate 1	Location Map	1"=16 miles
Plate 2	Surface Plan, Geology and Rock Sampling	1:5,000
Plate 3	Surface Plan, Geochemistry	1:5,000

APPENDIX "A"

IN THE MATTER OF THE B.C. MINERAL ACT AND IN THE MATTER OF A PRELIMINARY GEOLOGICAL AND GEOCHEMICAL SURVEY CARRIED OUT ON MINERAL CLAIMS OF THE PER PROPERTY LOCATED IN THE NAKINA RIVER AREA, BRITISH COLUMBIA MORE PARTICULARLY N.T.S. 104K/15, 104N/2.

A F F I D A V I T

I, A.B. MAWER, OF THE DISTRICT OF NORTH VANCOUVER, IN THE PROVINCE OF BRITISH COLUMBIA, SENIOR GEOLOGIST, MAKE OATH AND SAY: -

- (1) THAT I am employed as a senior geologist by Cominco Ltd., and, as such have a personal knowledge of the facts to which I hereinafter depose;
- (2) THAT annexed hereto and marked Appendix "B" to this my affidavit is a true copy of expenditures on geological mapping and geochemical sampling on the Per Property;
- (3) THAT the said expenditures were incurred between the 17th day of August, 1988 and the 15th day of November, 1988 for the purpose of mineral exploration on the above noted property.

Signed:

A. B. Mawer
A.B. Mawer,
Senior Geologist

October, 1988

APPENDIX "B"

PER GROUP ASSESSMENT REPORT
Statement of Expenditures - 1988

Field work August 17-30, travelling, geological mapping, rock sampling, soil sampling - A.B. Mawer 14 days @ \$233.20/day	\$3,264.80
Office - report writing and map preparation - A.B. Mawer October 17, 24, 27, 28, 31 - 5 days @ \$233.20/day	1,166.00
Communications - mobile radio rental and call charges 14 days @ \$10/day	140.00
Geological supplies, maps and field gear	338.00
Geochemical analysis - rock = 22 @ \$14/sample - soil = 150 @ \$14.75/sample - supplies	308.00 2,212.50 145.00
Transport helicopter from Atlin and return	3,500.00
Transport - Toyota 4x4 rental and fuel estimate 14 days	415.00
Domicile - 14 days @ \$60/day - A.B. Mawer	840.00
Equipment - tent and gear	357.00
Drafting - reproduction, salaries and supplies	<u>1,400.00</u>
TOTAL EXPENDITURE APPLICABLE FOR ASSESSMENT CREDITS	\$14,085.80

APPENDIX "C"

STATEMENT OF QUALIFICATIONS

I, A.B. MAWER, SENIOR GEOLOGIST WITH BUSINESS ADDRESS IN VANCOUVER, BRITISH COLUMBIA AND RESIDENTIAL ADDRESS IN NORTH VANCOUVER, BRITISH COLUMBIA HEREBY CERTIFY THAT:

- (1) From 1944 to the present, I have been actively engaged as a prospector and geologist in mineral exploration.
- (2) I am a Fellow of the Geological Association of Canada.
- (3) I am a member of the Canadian Institute of Mining and Metallurgy.
- (4) I personally supervised the field work on the Per Group and have interpreted the data resulting from this work.

A. B. Mawer

A.B. Mawer,
Senior Geologist

October, 1988

APPENDIX "D"

ROCK SAMPLING AND SOIL GEOCHEMICAL RESULTS

For Location Refer to Plate 2

LAB NO	FIELD NUMBER	As PPM	Hr As GRAM	As PPM	Pb PPM	Zn PPM	Cu PPM	
R8814592	N88R453	<10	5	<.4	<4	230	229	Brecciated chert, Limonite, Mn stain
R8814593	N88R454	<10	5	<.4	<4	200	147	" " " "
R8814594	N88R457	<10	5	<.4	<4	221	143	" " " "
R8814595	N88R458	<10	5	<.4	10	816	1670	" " " "
R8814596	N88R459	<10	5	<.4	<4	129	175	" " " "
R8814597	N88R460	<10	5	<.4	<4	44	100	" " " "
R8814598	N88R461	<10	5	<.4	<4	48	85	quartz vein, Limonitic, Mn stain
R8814599	N88R462	<10	5	<.4	<4	52	48	2.0m chert breccia, Limonite
R8814600	N88R463	<10	5	<.4	<4	12	10	10cm Qtz vein in chert breccia
R8814601	N88R464	<10	5	<.4	<4	19	23	" " " "
R8814602	N88R465	<10	5	<.4	<4	10	17	Pyritic chert in Fault zone
R8814603	N88R466	<10	5	<.4	<4	21	5	qtz veins in chert breccia
R8814604	N88R467	<10	5	<.4	<4	25	7	siliceous Altered Peridotite
R8814605	N88R468	<10	5	<.4	<4	76	177	Mn stained chert breccia
R8814606	N88R469	<10	5	<.4	<4	890	263	2.0m shrd Peridotite / chert breccia
R8814607	N88R470	<10	5	<.4	<4	265	2530	Flt chert breccia trace sp, cpq
R8814608	N88R471	<10	5	<.4	<4	529	82	0.6m Altered Peridotite py-cpq
R8814609	N88R472	<10	5	<.4	<4	1360	106	1.0m chip of above area
R8814610	N88R473	<10	5	1.8	<4	E25500	7050	0.20m altered chert br, py, cpq, sp.
R8814611	N88R474	<10	5	.5	<4	E20300	2600	0.30m " " " " " "
R8814612	N88R475	<10	5	1.8	<4	7540	8860	flt block
R8814613	N88R476	<10	5	.7	<4	E24300	3420	Flt. block

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN, RESULTS ARE TO FOLLOW

AR m/oct
88

ANALYTICAL METHODS

- As AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Hr As THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- As AQUA REGIA DECOMPOSITION / AAS
- Pb AQUA REGIA DECOMPOSITION / AAS
- Zn AQUA REGIA DECOMPOSITION / AAS
- Cu AQUA REGIA DECOMPOSITION / AAS

LAD NO	FIELD NUMBER	Au PPB	Nt Au GRAM	As PPM	Pb PPM	Zn PPM	Cu PPM
S8811540	1	<10	10	<.4	6	78	50
S8811541	2	<10	10	<.4	7	26	44
S8811542	3	<10	10	<.4	7	171	130
S8811543	4	<10	10	<.4	4	137	35
S8811544	5	<10	10	<.4	6	152	107
S8811545	6	<10	10	<.4	<4	89	54
S8811546	7	<10	10	<.4	<4	113	68
S8811547	8	<10	10	<.4	<4	78	53
S8811548	9	<10	10	<.4	<4	67	46
S8811549	10	<10	10	<.4	<4	131	101
S8811550	11	<10	10	<.4	10	56	109
S8811551	12	<10	10	<.4	7	106	53
S8811552	13	<10	10	<.4	<4	255	102
S8811553	14	<10	10	.4	<4	351	104
S8811554	15	<10	10	<.4	<4	258	59
S8811555	16	<10	10	<.4	<4	141	52
S8811556	17	<10	10	<.4	4	166	56
S8811557	18	<10	10	<.4	5	117	64
S8811558	19	<10	10	<.4	5	135	58
S8811559	20	<10	10	<.4	6	118	41
S8811560	21	<10	10	.4	6	104	47
S8811561	22	<10	10	.6	16	105	73
S8811562	23	<10	10	<.4	9	113	90
S8811563	24	<10	10	<.4	12	70	67
S8811564	25	<10	10	<.4	<4	88	59
S8811565	26	<10	10	<.4	<4	95	72
S8811566	27	<10	10	<.4	9	82	105
S8811567	28	<10	10	<.4	9	88	165
S8811568	29	<10	10	<.4	8	108	177
S8811569	30	<10	10	<.4	<4	40	41
S8811570	31	<10	10	<.4	<4	257	83
S8811571	32	<10	10	<.4	<4	42	19
S8811572	33	<10	10	<.4	<4	79	35
S8811573	34	<10	10	.6	13	70	41
S8811574	35	<10	10	.5	14	68	45
S8811575	36	<10	10	.8	18	57	54
S8811576	37	<10	10	.5	15	114	70
S8811577	38	<10	10	1.2	22	200	138
S8811578	39	<10	10	.4	10	175	88
S8811579	40	<10	10	<.4	7	184	62
S8811580	41	<10	10	<.4	<4	90	44
S8811581	42	<10	10	<.4	7	152	171
S8811582	43	<10	10	<.4	<4	102	35
S8811583	44	<10	10	<.4	<4	50	26
S8811584	45	<10	10	<.4	9	99	58
S8811585	46	<10	10	<.4	<4	38	22
S8811586	47	<10	10	<.4	<4	86	33
S8811587	48	<10	10	<.4	4	86	37
S8811588	49	<10	10	<.4	<4	67	36
S8811589	50	<10	10	<.4	<4	121	47
S8811590	51	<10	10	<.4	<4	100	38

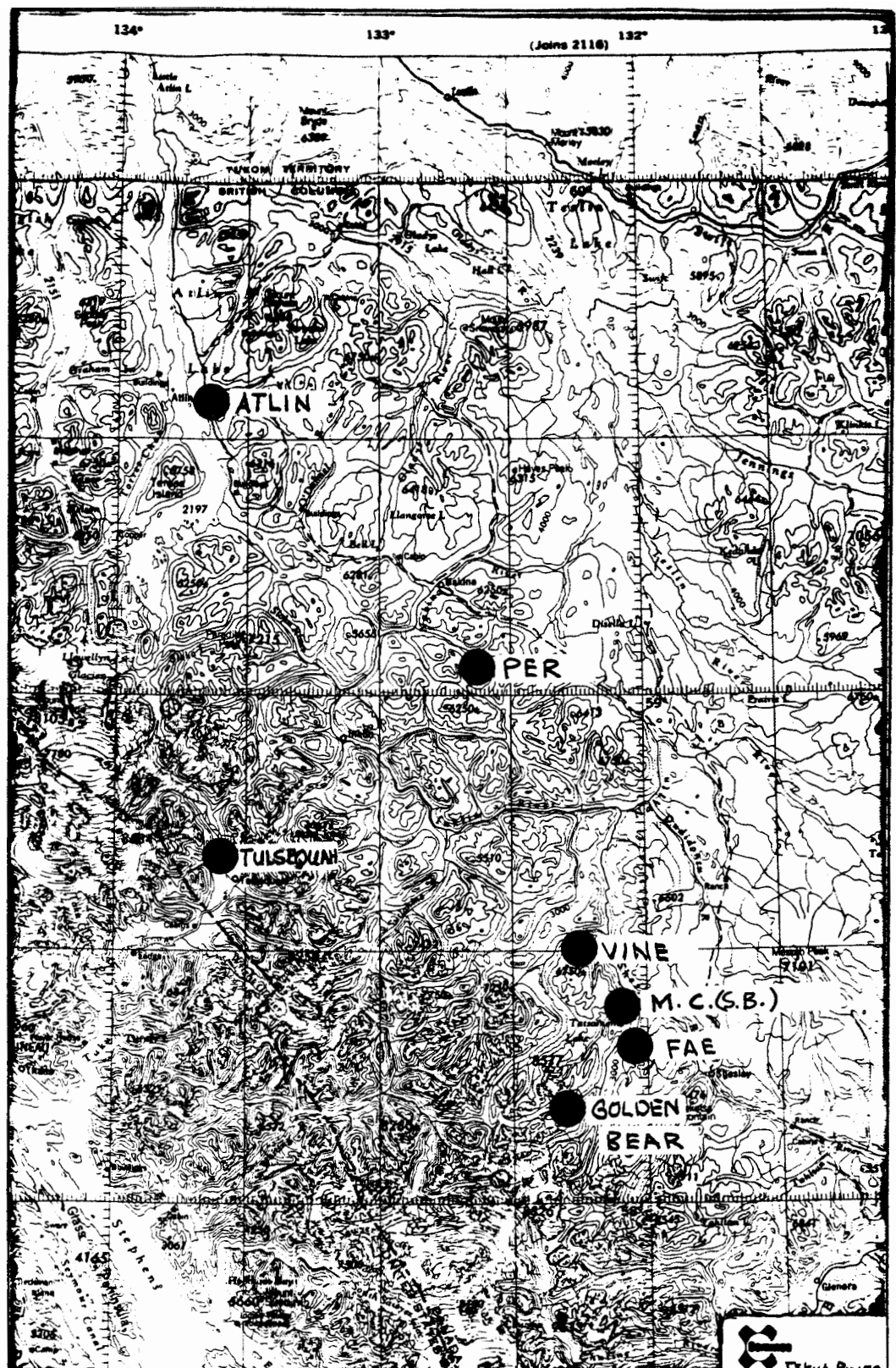
LAB NO	FIELD NUMBER	As	Hg	As	Pb	Zn	Cu
		PPM	GRAM	PPM	PPM	PPM	PPM
S8811591	52	<10	10	<.4	4	187	137
S8811592	53	<10	10	<.4	10	144	122
S8811593	54	<10	10	<.4	10	182	145
S8811594	55	<10	10	.4	12	138	105
S8811595	56	<10	10	.5	8	76	77
S8811596	57	<10	10	<.4	<4	114	60
S8811597	58	<10	10	<.4	<4	99	56
S8811598	59	<10	10	.5	18	191	85
S8811599	60	<10	10	<.4	<4	126	93
S8811600	61	<10	10	<.4	4	89	42
S8811601	62	<10	10	<.4	6	129	60
S8811602	63	<10	10	<.4	6	129	76
S8811603	64	<10	10	<.4	<4	114	32
S8811604	65	<10	10	<.4	<4	81	51
S8811605	66	<10	10	<.4	<4	81	50
S8811606	67	<10	10	<.4	<4	61	38
S8811607	68	<10	10	<.4	<4	56	21
S8811608	69	<10	10	<.4	<4	55	26
S8811609	70	<10	10	<.4	<4	58	32
S8811610	71	<10	10	<.4	<4	102	92
S8811611	72	<10	10	<.4	<4	105	93
S8811612	73	<10	10	<.4	<4	44	34
S8811613	74	<10	10	<.4	<4	49	27
S8811614	75	<10	10	<.4	<4	84	67
S8811615	76	<10	10	<.4	4	118	54
S8811616	77	<10	10	<.4	5	134	52
S8811617	78	<10	10	<.4	<4	98	45
S8811618	79	<10	10	<.4	4	100	76
S8811619	80	<10	10	<.4	7	128	92
S8811620	81	<10	10	<.4	7	115	81
S8811621	82	<10	10	<.4	10	114	85
S8811622	83	<10	10	<.4	7	149	81
S8811623	84	<10	10	<.4	8	137	61
S8811624	85	<10	10	<.4	7	133	79
S8811625	86	<10	10	<.4	12	166	102
S8811626	87	<10	10	<.4	12	147	95
S8811627	88	<10	10	<.4	15	189	113
S8811628	89	<10	10	<.4	11	137	78
S8811629	90	<10	10	<.4	11	121	68
S8811630	91	<10	10	<.4	9	94	62
S8811631	92	<10	10	.5	13	159	107
S8811632	93	<10	10	<.4	14	166	108
S8811633	94	<10	10	.7	13	120	84
S8811634	95	<10	10	.5	13	131	127
S8811635	96	<10	10	.6	21	73	81
S8811636	97	<10	10	.5	16	117	129
S8811637	98	10	10	.4	16	133	114
S8811638	99	<10	10	.5	16	163	136
S8811639	100	<10	10	<.4	15	150	113
S8811640	101	<10	10	.4	17	118	130
S8811641	102	<10	10	<.4	11	101	86
S8811642	103	<10	10	.4	6	120	82
S8811643	104	<10	10	<.4	7	179	117
S8811644	105	<10	10	<.4	8	121	61

LAB NO	FIELD NUMBER	Au	Nt Au	Au	Pb	Zn	Cu
		PPM	GRAM	PPM	PPM	PPM	PPM
S8811645	106	<10	10	<.4	4	101	72
S8811646	107	<10	10	<.4	5	74	56
S8811647	108	13	10	<.4	9	86	88
S8811648	109	<10	10	<.4	9	88	56
S8811649	110	<10	10	<.4	15	115	56
S8811650	111	<10	10	<.4	13	107	68
S8811651	112	<10	10	<.4	10	89	62
S8811652	113	<10	10	<.4	7	64	46
S8811653	114	<10	10	<.4	4	76	28
S8811654	115	<10	10	<.4	<4	79	42
S8811655	116	16	10	<.4	11	146	70
S8811656	117	<10	10	<.4	9	114	81
S8811657	118	<10	10	<.4	<4	95	45
S8811658	119	<10	10	<.4	5	95	51
S8811659	120	<10	10	<.4	9	106	50
S8811660	121	<10	10	<.4	6	84	41
S8811661	122	<10	10	.5	12	103	44
S8811662	123	<10	10	<.4	6	105	47
S8811663	124	<10	10	<.4	5	93	67
S8811664	125	<10	10	<.4	7	100	72
S8811665	126	<10	10	<.4	13	153	133
S8811666	127	<10	10	<.4	5	118	108
S8811667	128	<10	10	<.4	4	141	99
S8811668	129	<10	10	<.4	6	111	84
S8811669	130	<10	10	<.4	5	80	63
S8811670	131	<10	10	<.4	4	74	59
S8811671	132	<10	10	<.4	10	103	82
S8811672	133	<10	10	<.4	7	105	65
S8811673	134	<10	10	<.4	4	57	39
S8811674	135	<10	10	<.4	5	74	49
S8811675	136	<10	10	<.4	<4	68	56
S8811676	137	<10	10	<.4	7	83	57
S8811677	138	<10	10	<.4	8	116	78
S8811678	139	<10	10	<.4	<4	68	35
S8811679	140	<10	10	<.4	<4	88	30
S8811680	141	<10	10	<.4	<4	72	55
S8811681	142	<10	10	<.4	<4	85	42
S8811682	143	<10	10	<.4	<4	59	31
S8811683	144	<10	10	<.4	<4	91	50
S8811684	145	<10	10	.7	4	96	68
S8811685	146	<10	10	<.4	4	87	55
S8811686	147	<10	10	<.4	<4	75	44
S8811687	148	<10	10	<.4	5	92	50
S8811688	149	<10	10	<.4	4	75	50
S8811689	150	<10	10	<.4	<4	78	40

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
 IF REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

- AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
- Nt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
- Ag 20% HNO3 DECOMPOSITION / AAS
- Pb 20% HNO3 DECOMPOSITION / AAS
- Zn 20% HNO3 DECOMPOSITION / AAS
- Cu 20% HNO3 DECOMPOSITION / AAS



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

Property Location Map
N.W. B.C.

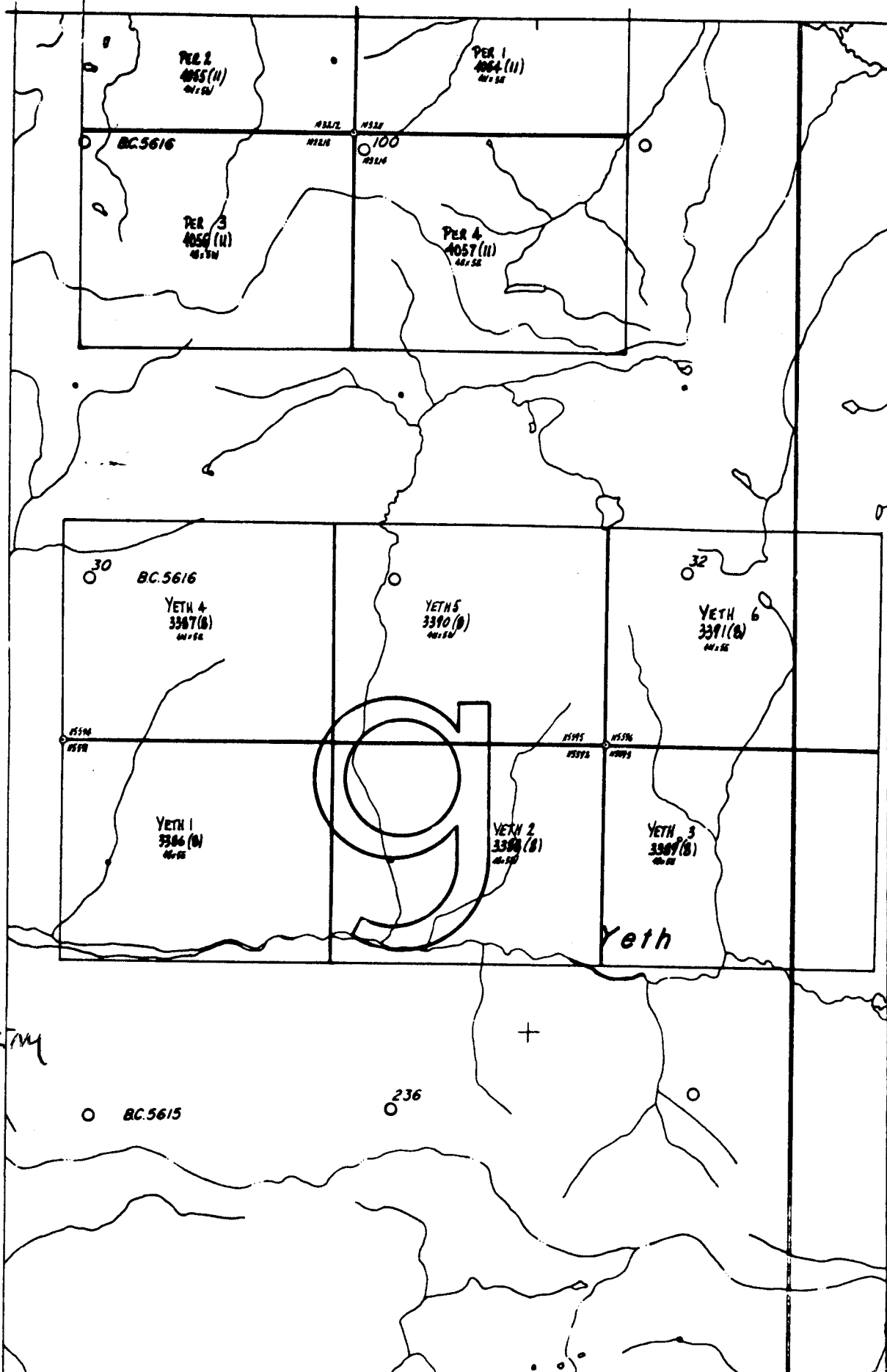
Scale 1:16 miles Date Feb 88 Plate 1

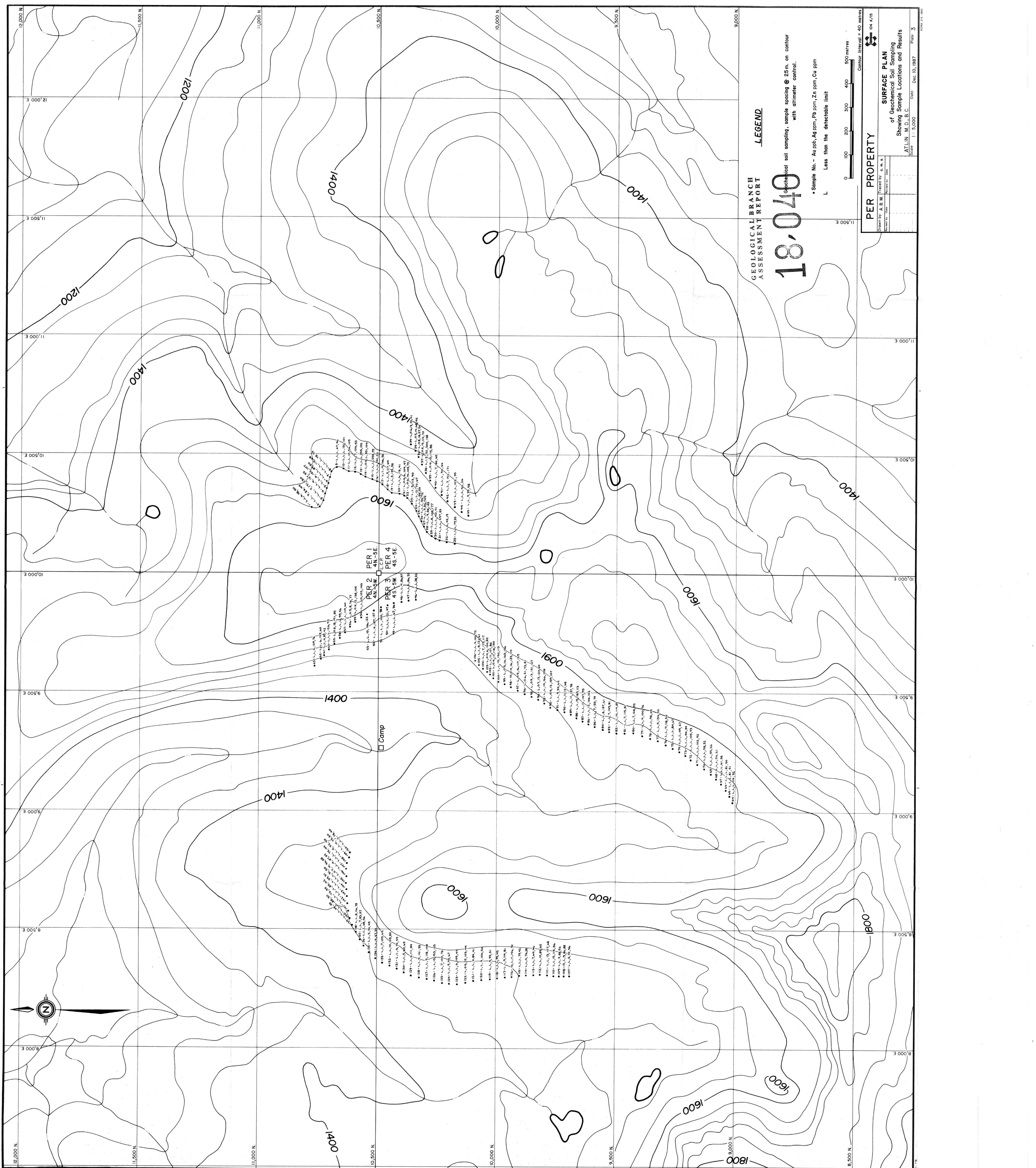
CLAIM MAP

TO NORTH SEE MAP 104-N

132°45'
59°00'

M 104K/15E





GEOLOGICAL BRANCH
ASSESSMENT REPORT

LEGEND

18,070
Geotechnical soil sampling, sample spacing @ 25m, on contour with altimeter control.

- Sample No. - Au ppb, Ag ppm, Pb ppm, Zn ppm, Cu ppm
- L Less than the detectable limit



Contour Interval = 40 metres

PER PROPERTY

Drawn by: A.B.M.	Traced by: G.M.B.
Checked by: []	Checked by: []
Scale: 1 : 5,000	Date: 10, 1987
<p>SURFACE PLAN of Geotechnical Soil Sampling Showing Sample Locations and Results</p> <p>ATLIN, M.D., B.C. Scale 1 : 5,000 Date: 10, 1987 Page: 3</p>	



LEGEND

CPH

HORSEFEED Formation
Limestone, Dolomite, Basalt, Turf

CPK

KEDAHA Formation
Chert, Argillite, Greywacke, Carbonate, Basalt

CPub

ULTRABASIC
Peridotite, Serpentinized Peridotite, (MAHLIN ULTRAMAFIC)

Assoy Sequence

Au, pb, Ag, Zn, Pb, Cu, Mn, Fe, Ni, Co, Ni, Zn, Pb, Cu, Ni, Mn

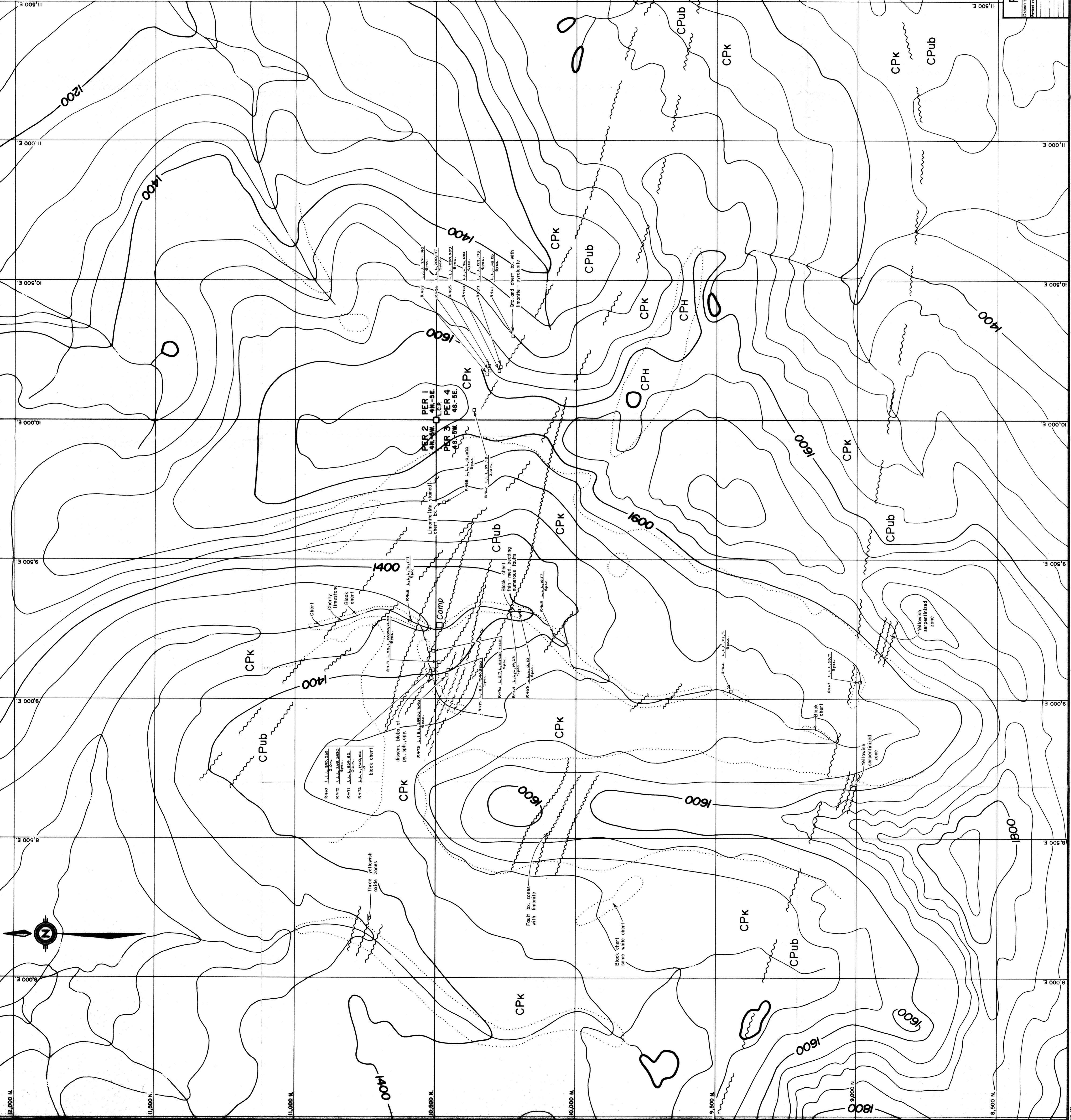
Sample Width

L

Less than the detectable limit

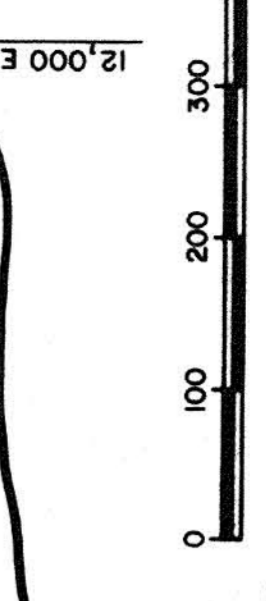
o

Rock sample location



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18040



Contour Interval = 40 metres



Scale 1:5,000

Date: 10, 1987

Sheet: 2

Form: 70-108

Drawn by: A. B. M.

Traced by: S. N. S.

Checked by: S. N. S.

Scale: 1:5,000

Date: 10, 1987

Sheet: 2

Form: 70-108

PER PROPERTY

Surface Plan
Geology and Rock Sampling

ATLUN, M. D., B. C.