SUMMARY REPORT; SOIL GEOCHEMICAL PROGRAM ON THE YJ-5 CLAIM, ATLIN MINING DIVISION, BRITISH COLUMBIA

NTS: 104N.12E

LATITUDE: 59° 34' North

LONGITUDE: 133° 39' West

OWNER: Homestake Mineral Development Company

OPERATOR: Homestake Mineral Development Company

BY: Darcy Marud

DATE: October, 1989

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4.0 SUMMARY

The YJ-5 Claim is located 3 kilometers east of the town of Atlin, in northwestern British Columbia. During the period July 20-27th, 1989 a soil geochemical program was carried out over the east-central part of the claim. The survey area is presumably underlain by the Pictou Fault, which appears to be the mineralizing fluid conduit for the Pictou property approximately 500 meters to the south. The soil survey detected only two very weak Au, As and Cu+Pb+Zn anomalies, however, and for the most part gave little indication of any significant mineralization underlying the survey area.

1.0 INTRODUCTION

1.1 Scope of Report

This report summarizes all mineral exploration activities carried out by Homestake Mineral Development Company on the YJ-5 claim during the period of July 20 - 27th, 1989.

1.2 Location, Access and Physiography

The YJ-5 claim is located 3 kilometers due east of the town of Atlin, in northwestern B.C. The property is located on NTS map sheet 104N 12, within the Atlin Mining Division.

Access to the property is by 4wd road, from the Surprise Lake Road, which crosses the northwest corner of the claim or by foot from the Pine Creek subdivision, which lies in the southwest corner of the claim.

Pine Creek flows south from Atlin Lake, along the western edge of the property, and Spruce Creek flows west into Pine Creek along the northern edge of the property. The area is one of moderate relief, with outcrop ridges rising 130 meters above the creek valleys. Outcrop constitutes approximately 15% of the property area, predominantly occurring as ridges in the center of the property. Both Pine and Spruce Creeks have considerable outwash plains with a thick cover of fluvial sand and gravel.

Vegetation is a typical mixed upland forest of spruce, pine and poplar.

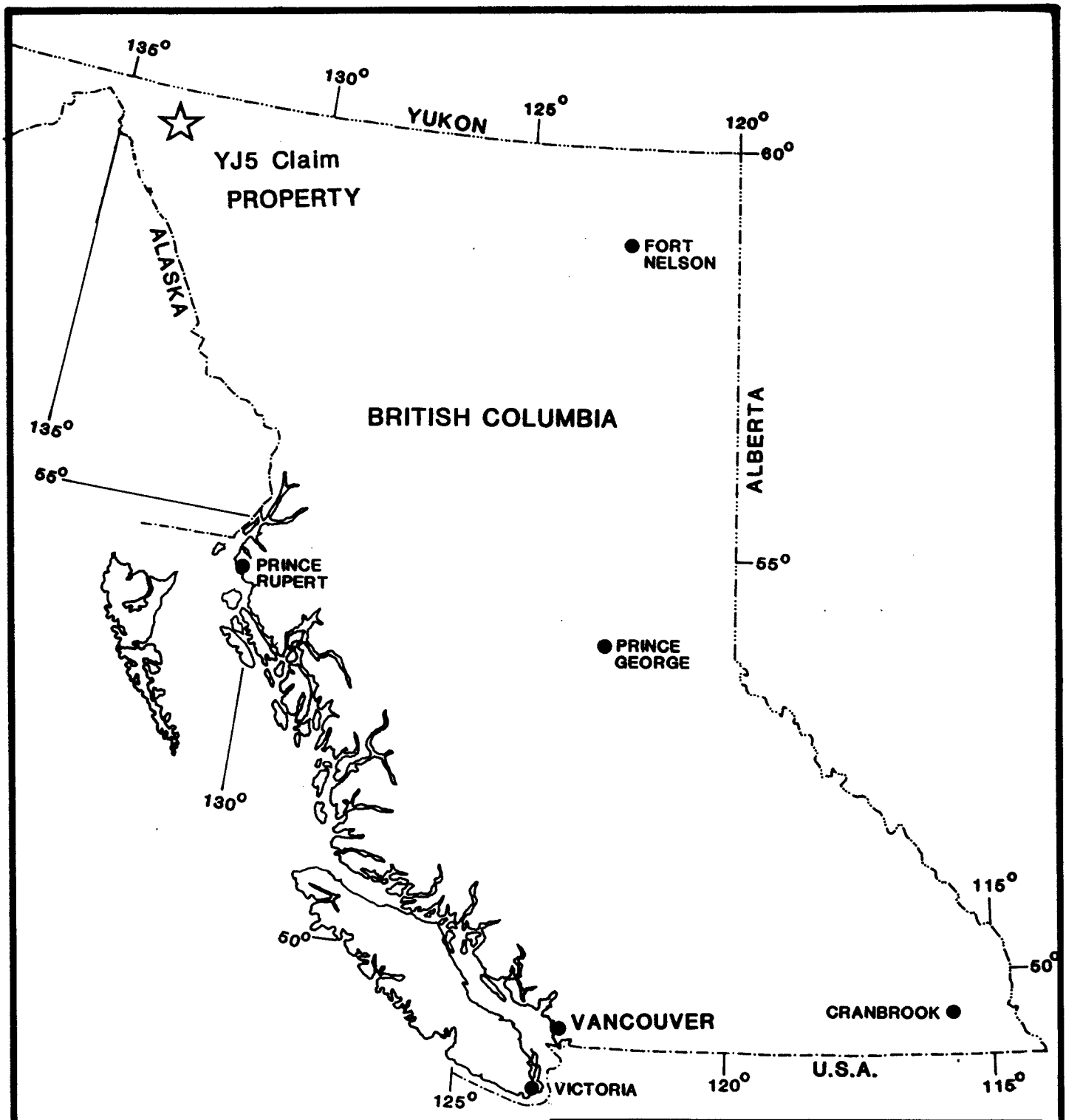
1.3 Land Status

The YJ-5 claim is part of a larger group of claims referred to as the West Group. Assuming acceptance of the report the status of the YJ-5 claim will be as follows:

CLAIM	UNITS	RECORD #	EXPIRY DATE	RECORD DATE
YJ5	20	2676	08/05/90	08/05/86

1.4 Regional Geological Setting

The Yellowjacket property lies near the western edge of the northwest trending Atlin Terrane, which is underlain by upper Paleozoic oceanic crust (Monger, 1975). It is correlated with the Cache Creek Group rock of



HOMESTAKE
MINERAL DEVELOPMENT COMPANY

ATLIN PROJECTS
BRITISH COLUMBIA

LOCATION MAP

DRAWN	DATE	FILE CODE	
KMc	11/87	104N/11,12	map 1
Revised			

southern and central British Columbia. Within the Atlin Terrane, basaltic flows are overlain by chert and thick, shallow-water carbonate rocks. Discordant granitic plutons range in age from late Jurassic to early Teritary. Remnant Tertiary volcanic and sedimentary rocks are found throughout the area.

Within the Atlin Terrane, large ultramafic bodies define a discordant belt trending across the tectonic fabric of the terrane. The ultramafic bodies are commonly intensely serpentinized, and in some areas extensively, hydrothermaly altered to a listwanite-like assemblage of silica, carbonate and mariposite/fuchsite.

1.5 Exploration History

Prior to acquisition of the property by Homestake Mineral Development Company in 1986, no "hard rock" mineral exploration was reported on the claim. Since acquiring the property, however, Homestake has done airborne geophysics, ground geophysics, geological mapping and limited lithogeochemical sampling on parts of or all of the YJ-5 claim.

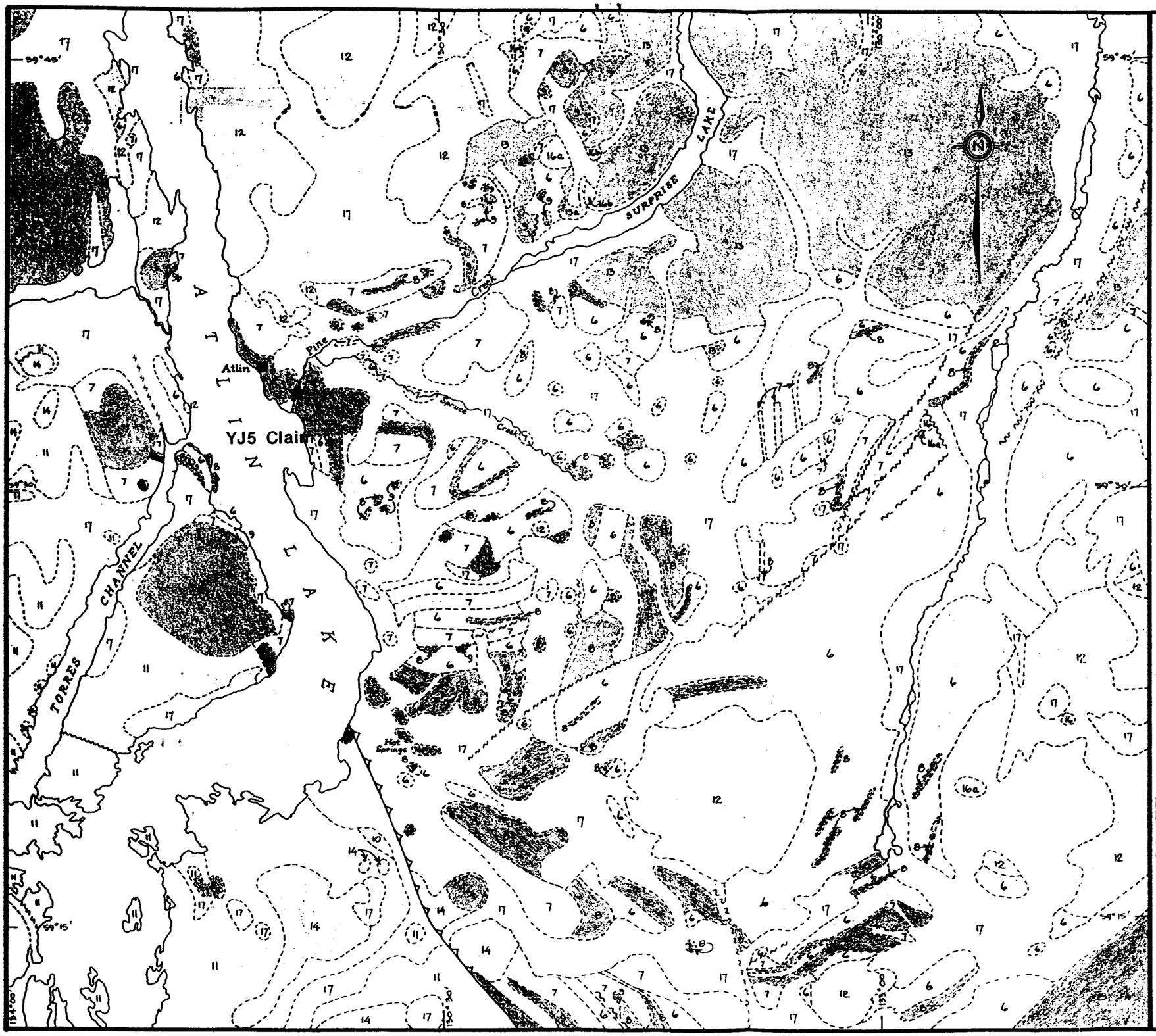
1.6 Work Completed

During the period July 20 to July 27th, 1989, 187 soil samples were collected from the property using a flagged grid, that was established in 1987, for control. The survey covered a total grid area of 8.6 line kilometres and was implemented, to test for precious metal mineralization, that part of the claim with no outcrop exposure.

The entire grid from line 1+00N 3+40E to line 17+00N 3+40E was sampled using procedures as described in 3.1.1 but only samples from that portion of the grid west of Pine Creek were sent for assay. Sampling of the west side of Pine Creek was expected to provide important geochemical information on the Pictou Fault which underlies the area. The fault, which passes through the main mineralized showing on the Pictou property to the south, is believed to be an important conduit for mineralizing fluids in the area. The samples taken east of Pine Creek are being stored and will be sent for assay should it be warranted. In many instances sample stations were located in the gravel/sand flood plain of Pine Creek, samples from these locations were not sent for analysis as the fluvial sediments were most likely not sourced from the YJ-5 claim and, therefore, are not indicative of the geochemistry of the area.

2.0 PROPERTY GEOLOGY

The YJ-5 Claim is underlain by both serpentinized ultramafics and chloritized andesitic volcanics of the Cache Creek Group. The contact between these two units strikes roughly north-south through the center of the claim, and is most likely a fault, as this is the case in most of the Atlin camp. The Pictou Fault, which may be key to mineralization at the Pictou showing transects the claim in a north-northeastern trend immediately west of Pine Creek. The fault zones and related contacts on the property are key in the search for precious metal mineralization. Figure 4 summarizes the geology of the YJ-5 claim area.



LEGEND

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

17 — GLACIAL DRIFT ; ALLUVIUM

TERTIARY AND QUATERNARY

16 — OLIVINE BASALT AND SCORIA ; 16a. TERTIARY 16b. PLEISTOCENE

TERTIARY (?)

15a. QUARTZ MONZONITE 15b. GRANOPHYRE
15c. GABBRO AND DIORITE

CRETACEOUS OR TERTIARY

14 — SLOKO GROUP
ANDESITE, BASALT ; ALBITE TRACHITE, ALBITE RHYOLITE, DACITE AND RELATED PYROCLASTIC ROCKS ; CONGLOMERATE, SANDSTONE

CRETACEOUS

13 — ALASKITE

JURASSIC (MAY BE IN PART OLDER OR YOUNGER)

12 — COAST INTRUSIONS
UNDIFFERENTIATED GRANITIC ROCKS

JURASSIC

11 — LABERGE GROUP
VOLCANIC GREYWACKE, SILTSTONE, MUDSTONE, SHALE, CONGLOMERATE

TRIASSIC

10 — GREYWACKE, CHERT, ARGILLITE, CONGLOMERATE, TUFF, SLATE, GREENSTONE, IMPURE LIMESTONE ; JASPER

PALEOZOIC

PENNSYLVANIAN AND PERMIAN

ATLIN INTRUSIONS
PERIDOTITE ; META-DIORITE AND META-GABBRO ; SERPENTINITE ; CARBONITIZED SERPENTINITE ; TALC-BEARING (STEATITIZED) ULTRAMAFIC ROCKS

CACHE CREEK GROUP
8. LIMESTONE AND LIMESTONE BRECCIA
7. GREENSTONE AND VOLCANIC GREYWACKE ; DERIVED AMPHIBOLITE ; MINOR 6 AND 8.
6. CHERT, ARGILLITE, CHERT-PEBBLE CONGLOMERATE AND CHERT BRECCIA ; QUARTZITE AND SCHIST ; MINOR 7 AND 8

UNDIFFERENTIATED, MAINLY VOLCANIC ROCKS OF UNCERTAIN, POSSIBLY SEVERAL, AGES.

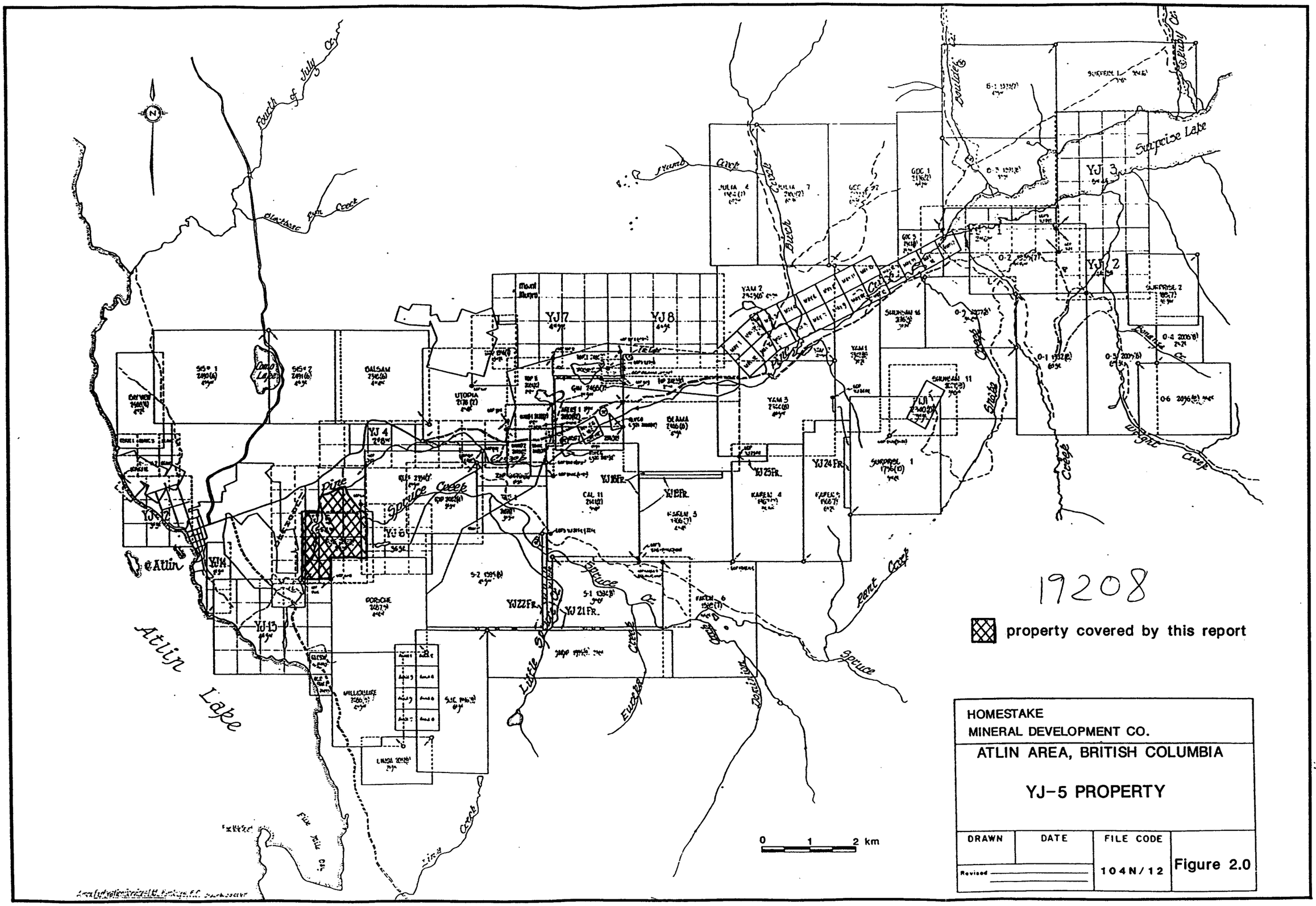
FAULT (ASSUMED, APPROXIMATE)
FAULT (DEFINED)
FAULT (THRUST)
GEOLOGICAL CONTACT

HOMESTAKE MINERAL DEVELOPMENT COMPANY

ATLIN PROPERTIES
BRITISH COLUMBIA
REGIONAL GEOLOGY

0 20 40 60 80 100km
1:253,440

DRAWN	DATE	FILE CODE	
KMc		104N/12	Figure 3.0
Revised			



19208

property covered by this report

HOMESTAKE MINERAL DEVELOPMENT CO.			
ATLIN AREA, BRITISH COLUMBIA YJ-5 PROPERTY			
DRAWN	DATE	FILE CODE	Figure 2.0
Revised		104N/12	

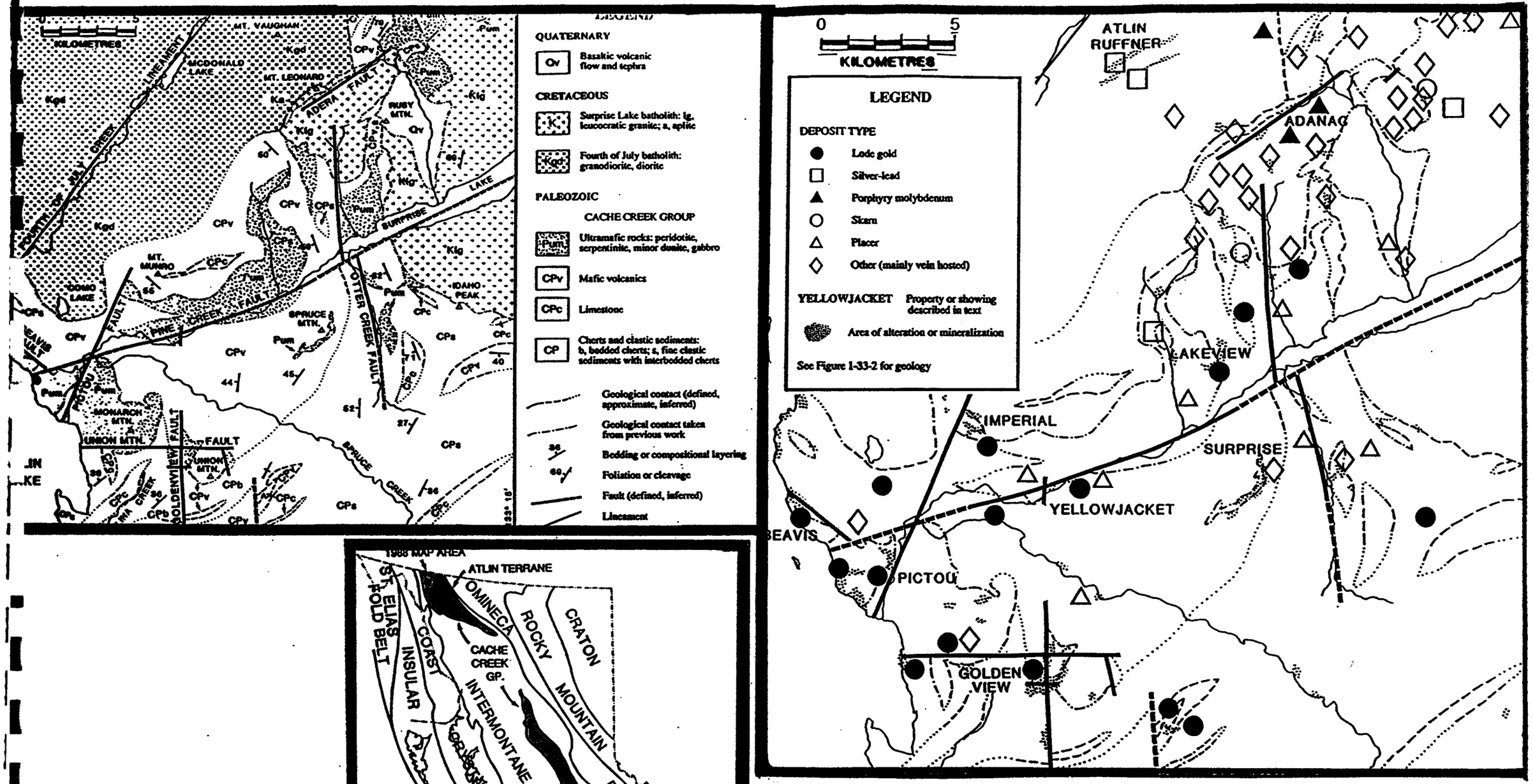


FIGURE 3.1 GENERAL AND ECONOMIC GEOLOGY OF THE ATLIN AREA

(FROM BLOODGOOD ET AL,1989)

3.0 DETAILED TECHNICAL DATA

3.1 SOIL GEOCHEMICAL SURVEY

3.1.1 Methods Employed

A total of 187 soil samples were collected from the YJ-5 claim using a flagged grid for control. The sample interval was 20m along lines with a spacing of 100 meters. The samples were collected, by maddock, from the B horizon at a depth of 15 to 30 cm below ground surface. Average overburden depth was between 1-3 meters. The sample was placed in kraft paper bags and promptly air dried before being forwarded to Acme Analytical Labs of Vancouver where 30 element ICP and gold by fire assay was done.

3.1.2 Results and Interpretation

After studying the geochemical analysis data it was decided that Au, As and combined base metal contour plots would be most beneficial in the search for precious metal anomalies. Sb and Ag, which are also usually excellent indicator elements in the Atlin camp, were found to be unusually low and were, as a result, not plotted.

Gold (Figure 5.1)

The gold values, when contoured, define an erratic northeast-southwest trend of weak gold enrichment with a high value of 1070 ppb Au. Most of the anomalies appear as "bull's eye's", although some more continous anomalies do occur. These more continuous anomalies include:

- between line 11+00N at 1+60E and line 12+00N at 1+80E, a northeast southwest trending anomaly with gold values up to 43 ppb Au.

- line 15+00N between 1+00E and 1+80E an amonaly with a high gold value of 169 ppb. This anomaly is open to the northeast, and east and may join, to the southwest, with the anomaly discussed above.

For the most part, the soil survey failed to display any gold enrichment along the strike extension of the Pictou Fault.

Arsenic (Figure 5.2)

The only arsenic anomaly is a broad 10ppm anomaly centered at lines 13+00N and 14+00N and pinching out to the south at 10+00N and to the north at 16+00N.

Combined Base Metals (Figure 5.3)

The Cu-Pb-Zn analysis revealed only one continous, broad, anomaly within the survey area. The anomaly lies in the extreme northern portion of the grid area and is centered around line 17+00N, 0+00E. A high combined Cu+Pb+Zn value of 229ppm was recorded at 16+80N, 0+00E. Several other smaller anomalies are summarized below.

- line 3+00N to 3+60N centered at 0+00E is a bullseye anomaly with a high value of 313 ppm.

- bullseye anomaly located at 11+00N, 0+20E with a high value of 215 ppm.

The best anomalies would have to be those which display some strike length and multi element signatures. Only two anomalies revealed by this survey can meet the above criteria and only marginally at that. The anomaly at 17+00N, 0+20E to 0+60E is a coincident combined base metal and Au amonaly that requires further testing to the north and west to fully understand its significance while the broad, weak Au, As and Cu+Pb+Zn amomaly from 9+00N + 15+00N requires a tighter sample spacing to evaluate its significance. In general, none of the anomalies detected by this survey indicate much potential for precious metal mineralization.

5.0 BIBLIOGRAPHY

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Marud, D.E. 1988 — **Summary Report, Diamond Drilling, Arent 1, Arent 2 and Adjacent Claims, North and South Claim Groups, Yellowjacket Property, Atlin Mining Division,** Report done for Homestake Mineral Development Company.

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APPENDIX I

Statement of Costs

STATEMENT OF COSTS

1.0	Salaries	
	7 mandays @ $ 90.00	360.00
	2 mandays @ $100.00	200.00
		560.00
2.0	Geochemical	
	187 samples including prep and overweight @ $11.06	2067.75
3.0	Food and Accomodation	
	9 mandays @ $30/day	270.00
4.0	Field Supplies	
	Sample bags Mattock	50.00
5.0	Fuel/Truck	
	7 days @ $20/day	140.00
6.0	Map Reproduction	50.00
6.0	Report Preparation	
	3 mandays @ $150/day	450.00
		3,587.75

APPENDIX II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Darcy Edward Marud, of Apt. 101, 1529 East Third Avenue, Vancouver, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of Saskatchewan, having been granted the degree of Bachelor of Sciences - Honours degree in Geology in 1985.

2. I have practiced my profession as a geologist in mineral exploration since 1985.

3. I am presently employed as a geologist with Homestake Mineral Development Company of #1000 - 700 West Pender Street, Vancouver, British Columbia.

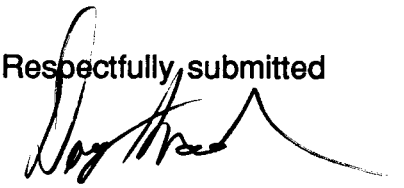
4. The work done in the accompanying report was done under my supervision and with my participation.

5. I am the author/co-author of the above report.

6. I have no direct or indirect financial interest in any companies known by me to have an interest in the mineral properties described by this report, nor do I expect to receive any such interest.

Dated at Vancouver, B.C. this 17th day of October, 1989

Respectfully submitted



Darcy E. Marud

APPENDIX III

Geochemical Analysis

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

MASTER
NTS: BC COOPERATIVE
11.BC.94K.11
RAB/JB.

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 10 1989 DATE REPORT MAILED: Aug 15/89 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

HOMESTAKE MINERAL DEV. CO. File # 89-2818 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L17N 0+00E	1	22	13	161	.1	206	29	1010	3.89	5	5	ND	2	20	1	2	3	56	.45	.065	8	163	1.55	298	.09	4	1.93	.01	.07	2	6
L17N 0+20E	1	25	6	129	.2	274	31	685	4.22	7	5	ND	2	20	1	2	2	58	.46	.066	8	203	1.68	250	.09	8	1.85	.01	.08	1	188
L17N 0+40E	1	20	5	139	.2	214	29	911	3.94	8	5	ND	2	20	1	2	2	55	.47	.072	7	175	1.54	266	.08	5	1.83	.01	.07	1	2
L17N 0+60E	1	20	10	173	.2	213	29	788	3.81	5	5	ND	2	18	1	2	2	56	.40	.083	7	176	1.53	214	.08	6	1.85	.01	.08	1	1070
L17N 0+80E	1	14	9	114	.2	130	20	892	3.19	4	5	ND	2	16	1	2	2	47	.36	.050	8	135	.91	279	.08	7	1.44	.01	.08	1	2
L17N 1+00E	1	16	6	84	.2	163	22	590	3.50	3	5	ND	1	17	1	2	2	51	.35	.052	7	171	1.31	173	.09	6	1.56	.01	.07	1	1
L17N 1+20E	1	15	7	89	.2	135	22	955	3.27	5	5	ND	2	18	1	2	2	48	.39	.063	7	136	1.00	242	.07	7	1.50	.01	.07	1	1
L17N 1+40E	1	11	9	73	.2	100	15	933	2.27	2	5	ND	1	20	1	2	2	38	.44	.059	7	105	.85	243	.07	6	1.34	.01	.07	1	2
L17N 1+60E	1	12	9	41	.1	114	19	352	2.50	3	5	ND	1	20	1	2	2	38	.47	.014	6	122	1.04	124	.10	5	1.25	.02	.16	3	1
L17N 1+80E	1	30	6	67	.2	295	19	219	2.91	5	5	ND	3	29	1	2	2	50	.75	.050	15	164	2.45	98	.09	10	1.51	.02	.06	1	11
L17N 2+00E	1	29	8	52	.1	265	21	417	3.04	9	5	ND	4	24	1	2	2	50	.62	.051	13	162	2.52	89	.09	15	1.27	.02	.05	1	7
L16N 0+00E	1	18	5	116	.3	128	23	1012	3.07	4	5	ND	2	18	1	2	2	45	.39	.045	8	135	.96	284	.09	7	1.46	.01	.07	1	1
L16N 0+20E	1	11	9	61	.1	96	17	604	2.69	2	5	ND	1	15	1	2	2	42	.34	.043	7	123	.86	171	.08	6	1.32	.01	.08	1	1
L16N 0+40E	1	18	7	100	.2	191	24	758	3.04	2	5	ND	2	20	1	2	2	47	.38	.076	8	163	1.34	203	.08	8	1.58	.01	.11	1	2
L16N 0+60E	1	14	5	119	.2	144	26	1065	3.43	4	5	ND	2	23	1	2	2	50	.46	.064	7	140	1.29	288	.08	5	1.75	.01	.11	1	6
L16N 0+80E	1	18	10	85	.1	159	25	830	3.00	4	5	ND	1	25	1	2	2	46	.57	.063	7	129	1.25	189	.07	7	1.52	.01	.13	1	5
L16N 1+00E	1	37	6	70	.4	591	11	484	1.34	5	6	ND	1	85	1	2	2	17	2.50	.090	8	96	1.21	195	.02	13	.88	.02	.04	1	2
L16N 1+20E	1	30	6	54	.1	244	19	259	2.51	4	5	ND	3	24	1	2	2	44	.65	.052	11	133	2.36	72	.09	5	1.09	.01	.05	1	7
L15N 0+00E	1	10	5	62	.1	131	13	329	2.43	4	5	ND	1	14	1	2	2	46	.31	.029	8	116	.88	168	.08	6	1.44	.01	.05	1	23
L15N 0+20E	1	15	7	79	.2	158	18	447	2.92	4	5	ND	2	19	1	2	2	49	.41	.057	7	142	1.36	171	.08	7	1.63	.01	.07	3	4
L15N 0+60E	1	30	4	52	.2	275	22	594	3.18	11	5	ND	4	28	1	3	2	48	.91	.050	12	157	2.51	91	.09	9	1.24	.02	.05	1	9
L15N 0+80E	1	31	7	56	.2	244	22	468	3.51	11	5	ND	3	26	1	3	3	42	.75	.053	11	119	2.36	94	.09	6	1.11	.02	.04	1	9
L15N 1+00E	1	27	2	50	.1	291	23	848	3.57	9	5	ND	5	29	1	2	2	52	.97	.049	14	197	2.62	84	.10	7	1.22	.01	.04	1	32
L15N 1+20E	1	31	5	54	.2	248	20	472	3.52	10	5	ND	3	23	1	2	2	51	.71	.049	11	182	2.34	82	.09	7	1.09	.01	.05	1	75
L15N 1+40E	1	36	4	61	.1	285	23	529	4.19	9	5	ND	4	23	1	3	2	60	.68	.051	14	223	2.31	93	.10	8	1.28	.01	.05	1	34
L15N 1+60E	1	34	5	59	.1	299	24	541	4.60	10	5	ND	4	22	1	4	2	65	.62	.054	13	263	2.24	86	.10	5	1.20	.01	.04	1	169
L15N 1+80E	1	34	7	56	.1	231	21	393	3.56	9	5	ND	3	22	1	3	2	57	.56	.052	11	172	2.29	97	.11	7	1.35	.01	.05	1	104
L14N 0+00E	1	27	5	55	.1	331	24	416	4.32	11	5	ND	2	21	1	4	2	59	.46	.033	10	252	1.81	115	.11	5	1.43	.01	.14	1	82
L14N 0+20E	1	23	6	48	.1	268	20	459	3.07	8	5	ND	6	26	1	3	2	46	.73	.048	14	160	2.44	82	.09	7	1.13	.01	.04	1	17
L14N 0+40E	1	32	3	66	.2	273	21	484	3.30	13	5	ND	3	29	1	2	2	51	.84	.053	13	183	2.50	91	.09	5	1.26	.02	.05	1	7
L14N 0+60E	1	33	9	62	.1	266	22	479	3.83	10	5	ND	2	28	1	2	2	56	.84	.049	13	237	2.31	95	.09	9	1.25	.02	.05	1	7
L13N 0+00E	1	29	7	89	.1	233	22	512	3.26	12	5	ND	2	26	1	2	2	51	.63	.066	11	163	2.22	118	.08	7	1.44	.02	.07	1	41
L13N 0+20E	1	35	10	59	.2	293	23	503	3.08	12	5	ND	4	29	1	2	2	49	1.00	.051	14	163	2.58	98	.09	9	1.38	.02	.07	1	8
L13N 0+40E	1	29	8	53	.2	263	20	443	2.89	13	5	ND	7	24	1	3	2	46	.79	.046	15	152	2.20	81	.09	7	1.28	.01	.06	1	21
L12N 0+00E	1	22	9	79	.1	192	22	395	3.36	7	5	ND	2	22	1	2	2	49	.56	.035	9	169	1.71	107	.10	8	1.43	.02	.08	1	2
L12N 0+20E	1	34	13	63	.1	281	22	474	3.31	10	5	ND	7	28	1	4	2	53	.89	.056	17	166	2.25	95	.10	6	1.41	.02	.06	1	6
STD C/AU-S	17	63	39	132	6.7	72	31	1046	4.18	43	16	8	38	49	18	14	23	58	.49	.093	39	54	.85	176	.07	35	2.00	.06	.13	11	48

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L12N 0+40E	1	35	7	56	.1	295	22	522	3.16	9	5	ND	5	30	1	4	2	51	1.01	.049	15	158	2.56	102	.10	18	1.46	.02	.06	1	17
L12N 0+60E	1	39	6	64	.2	347	26	519	3.50	12	5	ND	7	31	1	4	2	56	1.07	.048	20	172	2.52	109	.10	6	1.71	.02	.06	1	6
L12N 0+80E	1	27	2	47	.1	244	18	424	2.80	8	5	ND	4	25	1	4	2	45	.83	.049	12	152	2.48	75	.09	7	1.16	.01	.06	1	13
L12N 1+00E	1	32	10	54	.2	272	20	456	2.96	9	5	ND	4	31	1	3	2	48	1.12	.048	14	152	2.49	93	.10	10	1.37	.02	.06	1	13
L12N 1+40E	1	32	2	51	.2	230	18	394	2.89	7	5	ND	3	22	1	2	2	43	.62	.048	10	126	2.37	80	.09	12	1.09	.02	.05	2	6
L12N 1+60E	1	30	4	52	.2	255	19	479	3.04	7	5	ND	3	25	1	3	4	45	.84	.051	11	154	2.57	80	.09	5	1.09	.01	.04	1	8
L12N 1+80E	1	31	5	54	.3	278	22	410	3.88	9	5	ND	4	22	1	2	2	58	.62	.039	12	225	2.56	84	.11	5	1.30	.02	.04	2	22
L11N 0+00E	1	28	9	58	.1	242	22	374	3.62	14	5	ND	4	20	1	4	2	58	.41	.033	12	177	1.84	84	.11	6	1.63	.02	.07	1	12
L11N 0+20E	1	33	7	175	.3	244	28	740	3.95	16	5	ND	4	25	1	3	3	61	.63	.071	12	175	2.04	175	.10	5	2.22	.02	.10	2	3
L11N 0+40E	1	19	9	69	.1	183	21	339	3.45	12	7	ND	2	19	1	2	2	56	.43	.040	9	165	1.64	108	.10	6	1.64	.02	.08	1	11
L11N 0+60E	1	26	7	58	.1	220	18	241	3.07	5	5	ND	3	23	1	3	2	53	.51	.051	12	171	2.12	87	.10	5	1.52	.02	.07	1	4
L11N 1+00E	1	33	6	69	.2	274	23	564	3.42	12	5	ND	4	25	1	4	2	56	.66	.051	15	165	2.45	109	.11	10	1.59	.02	.06	2	14
L11N 1+20E	1	33	6	57	.2	287	22	507	3.18	11	5	ND	5	30	1	3	2	51	1.00	.051	16	162	2.54	97	.10	5	1.46	.02	.06	1	8
L11N 1+40E	1	31	7	56	.2	302	22	546	3.29	9	5	ND	4	24	1	2	2	51	.60	.050	13	182	2.88	88	.10	7	1.39	.02	.05	1	6
L11N 1+60E	1	27	2	49	.2	252	19	513	3.33	7	5	ND	2	27	1	4	2	48	1.04	.050	11	184	2.59	77	.09	5	1.05	.01	.04	1	38
L11N 1+80E	1	28	9	54	.1	267	21	524	3.20	9	5	ND	4	26	1	2	2	51	.73	.048	14	180	2.50	87	.10	5	1.30	.02	.04	1	43
L10N 0+00E	1	28	8	59	.2	220	22	418	3.43	5	5	ND	3	22	1	3	2	52	.49	.036	13	171	1.83	125	.10	5	1.72	.02	.06	1	35
L10N 0+20E	1	18	6	67	.2	171	22	458	3.31	7	5	ND	2	20	1	2	2	51	.41	.042	7	174	1.38	150	.09	3	1.46	.01	.06	1	3
L10N 0+40E	1	19	7	77	.1	151	15	255	2.66	2	5	ND	2	26	1	2	2	44	.59	.075	9	142	1.57	177	.09	2	1.63	.02	.07	1	4
L10N 0+60E	1	22	5	55	.2	173	15	190	2.67	4	7	ND	2	24	1	2	2	48	.51	.061	11	147	1.95	98	.09	4	1.54	.02	.04	1	5
L10N 0+80E	1	23	6	54	.1	194	18	209	3.27	6	5	ND	4	21	1	2	2	57	.43	.034	12	169	2.01	115	.10	4	1.68	.02	.05	1	3
L10N 1+00E	1	35	11	58	.1	297	23	562	3.17	13	5	ND	4	28	1	4	2	50	.88	.049	14	157	2.65	98	.10	9	1.41	.02	.06	1	6
L10N 1+20E	1	27	7	54	.1	241	21	523	3.30	9	9	ND	3	22	1	3	2	53	.46	.031	13	175	2.45	74	.11	11	1.43	.02	.04	1	4
L10N 1+40E	1	32	10	61	.1	267	22	274	2.73	8	7	ND	2	32	1	4	2	56	.82	.029	14	160	2.39	110	.10	5	1.60	.02	.05	1	6
L10N 2+20E	1	56	8	82	.5	320	21	324	2.78	11	6	ND	1	51	1	3	2	48	1.43	.058	13	147	2.06	196	.07	8	1.59	.02	.05	1	5
L10N 2+40E	1	54	12	117	.3	386	29	667	4.17	17	5	ND	6	31	1	2	2	68	.85	.063	22	197	2.67	147	.11	15	2.11	.03	.09	2	11
L10N 2+60E	1	44	11	87	.2	315	26	781	3.78	18	6	ND	3	31	1	3	2	59	.85	.063	16	175	2.73	128	.10	5	1.77	.02	.08	1	8
L9N 0+00E	1	12	8	69	.1	171	22	354	3.47	5	5	ND	1	15	1	2	2	60	.32	.049	7	174	1.44	123	.09	4	1.84	.01	.07	1	1
L9N 0+20E	1	21	8	97	.1	166	28	981	3.45	3	5	ND	1	20	1	2	2	56	.39	.099	9	157	1.31	175	.08	5	1.52	.02	.09	1	3
L9N 0+40E	1	11	8	49	.1	121	16	255	2.89	3	5	ND	1	15	1	2	2	47	.33	.033	7	154	1.04	105	.10	2	1.23	.01	.05	1	36
L9N 0+60E	1	19	2	45	.1	165	20	287	3.31	7	5	ND	1	16	1	2	2	51	.34	.038	7	168	1.40	105	.10	2	1.44	.01	.06	1	5
L9N 0+80E	5	15	5	133	.1	236	26	553	3.75	3	5	ND	1	14	1	2	2	64	.36	.102	7	121	1.01	175	.08	5	1.80	.01	.06	1	2
L9N 1+00E	1	14	4	53	.1	130	13	384	1.98	3	5	ND	1	14	1	2	2	39	.34	.029	7	137	1.05	141	.09	5	1.44	.01	.05	1	4
L9N 1+20E	1	11	5	73	.1	129	14	449	2.15	2	5	ND	1	16	1	2	2	42	.40	.037	7	119	.97	149	.09	3	1.63	.01	.08	1	20
L9N 1+40E	5	9	9	50	.1	130	16	229	2.89	3	5	ND	1	18	1	2	2	55	.36	.020	7	134	1.01	137	.10	3	1.74	.01	.05	1	14
L9N 1+60E	1	17	6	48	.1	111	17	704	2.73	4	5	ND	2	18	1	2	2	48	.34	.019	8	111	.98	177	.09	2	1.46	.01	.09	2	3
STD C/AU-S	18	64	41	132	6.8	72	31	1045	4.20	40	21	7	37	48	18	15	23	58	.48	.092	39	55	.83	175	.07	35	2.01	.06	.14	12	53

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L9N 1+80E	1	14	5	38	.2	130	15	300	2.86	5	5	ND	1	16	1	2	2	51	.32	.021	7	142	1.17	96	.10	4	1.24	.01	.07	1	1
L9N 2+00E	1	17	6	64	.2	167	19	357	3.44	6	5	ND	1	18	1	2	2	59	.34	.032	7	171	1.45	129	.10	14	1.54	.01	.06	1	36
L9N 2+20E	1	18	7	48	.1	193	21	252	3.84	8	5	ND	2	17	1	2	2	62	.36	.031	8	216	1.53	75	.11	4	1.50	.01	.05	1	119
L9N 2+40E	1	17	6	49	.1	196	22	311	3.78	11	5	ND	1	17	1	2	2	61	.36	.027	8	205	1.80	86	.10	6	1.37	.01	.05	1	12
L8N 0+00E	1	28	6	43	.1	163	14	281	3.35	9	5	ND	3	35	1	2	2	53	.69	.015	11	136	1.90	159	.09	7	2.00	.01	.05	1	2
L8N 0+20E	1	33	6	51	.2	214	15	327	3.32	6	5	ND	2	61	1	2	2	46	1.83	.038	11	129	2.57	143	.08	7	1.31	.02	.05	1	5
L8N 0+40E	1	13	5	41	.1	111	10	193	2.76	7	5	ND	1	21	1	2	2	44	.38	.020	7	117	1.55	117	.10	8	1.28	.01	.04	1	3
L8N 0+60E	1	12	2	34	.1	105	11	212	2.83	5	5	ND	1	19	1	2	2	42	.36	.017	6	125	1.42	101	.10	4	1.22	.01	.04	1	3
L8N 0+80E	1	24	4	40	.1	206	16	281	3.31	8	5	ND	2	17	1	2	2	51	.35	.014	10	174	1.66	75	.11	9	1.17	.01	.04	1	1
L8N 1+00E	1	38	5	55	.2	224	18	315	3.32	10	5	ND	2	45	1	2	2	50	1.86	.039	11	134	2.36	123	.10	5	1.36	.02	.06	1	6
L8N 1+20E	1	16	7	50	.1	127	21	576	2.98	7	5	ND	2	25	1	2	2	51	.45	.035	9	139	1.55	121	.10	5	1.33	.01	.06	1	4
L7N 0+00E	1	18	10	82	.2	60	12	439	2.98	11	5	ND	1	42	1	2	2	65	.74	.063	7	68	.91	225	.06	5	1.84	.01	.06	1	2
L7N 0+20E	1	22	12	78	.3	97	16	490	3.30	7	5	ND	1	30	1	2	2	61	.52	.052	9	88	.90	257	.07	8	1.93	.01	.08	1	2
L7N 0+40E	1	37	8	65	.2	164	17	691	3.28	9	5	ND	3	34	1	2	2	56	.68	.033	12	123	1.47	219	.09	6	1.90	.01	.07	1	3
L7N 0+60E	1	34	10	92	.2	174	19	491	4.04	8	5	ND	4	35	1	2	2	67	.57	.021	13	138	1.99	269	.09	5	2.51	.01	.09	2	2
L7N 0+80E	1	17	6	38	.2	114	13	208	2.72	6	5	ND	2	15	1	2	2	47	.30	.012	9	114	1.02	89	.09	5	1.20	.01	.04	1	1
L7N 1+00E	1	15	3	40	.1	113	14	258	2.97	9	5	ND	3	17	1	2	2	44	.35	.047	9	126	1.04	113	.08	5	1.20	.01	.06	2	3
L7N 1+20E	1	43	10	60	.1	244	20	435	3.39	6	5	ND	3	41	1	2	2	50	.73	.047	15	131	2.15	138	.09	12	1.54	.01	.11	1	6
L7N 1+40E	1	30	8	53	.2	307	22	425	3.50	9	5	ND	9	23	1	3	2	52	.77	.043	14	224	2.71	78	.11	18	1.21	.02	.05	1	32
L6N 0+00E	1	24	9	88	.2	161	23	680	3.80	9	5	ND	1	33	1	2	2	65	.72	.058	10	108	1.20	241	.07	6	1.97	.01	.06	1	3
L6N 0+20E	1	24	10	68	.3	137	28	1095	3.39	3	5	ND	1	28	1	2	2	52	.58	.072	8	101	1.21	233	.07	10	1.62	.01	.07	1	2
L6N 0+40E	1	24	5	70	.2	137	22	691	3.91	8	5	ND	1	24	1	3	2	73	.49	.045	7	119	1.53	187	.11	5	2.04	.01	.05	1	1
L6N 0+60E	1	18	5	58	.2	90	19	754	2.61	3	5	ND	1	29	1	2	2	47	.67	.046	7	92	.83	175	.07	6	1.35	.01	.07	1	2
L6N 0+80E	1	18	5	54	.1	88	21	883	2.39	3	5	ND	1	28	1	2	4	37	.59	.056	7	92	.80	194	.06	4	1.00	.01	.07	1	1
L6N 1+00E	1	22	9	80	.2	121	24	739	3.10	6	5	ND	1	30	1	2	2	50	.62	.084	7	107	1.16	201	.07	4	1.51	.01	.06	1	1
L6N 1+20E	1	23	5	75	.1	102	21	1000	2.91	2	5	ND	1	26	1	2	2	49	.53	.054	9	96	.96	237	.07	13	1.56	.01	.06	1	1
L6N 1+40E	1	16	4	50	.1	160	22	435	3.36	5	5	ND	1	20	1	2	2	57	.36	.039	7	134	1.53	169	.08	4	1.69	.01	.05	1	1
L6N 1+60E	1	14	6	60	.2	159	26	790	3.73	5	5	ND	1	19	1	2	3	57	.38	.056	7	164	1.48	165	.08	6	1.54	.01	.07	1	1
L6N 1+80E	1	11	5	53	.2	111	22	1045	3.12	2	5	ND	1	21	1	2	2	51	.51	.042	7	122	1.07	214	.08	5	1.49	.01	.06	1	2
L6N 2+00E	1	12	3	59	.2	101	19	686	2.68	4	5	ND	1	24	1	2	2	48	.49	.035	7	102	1.06	212	.07	5	1.55	.01	.06	1	1
L6N 2+20E	1	20	7	52	.1	112	15	426	2.99	7	5	ND	2	23	1	2	4	54	.47	.022	9	108	.81	169	.10	9	1.42	.01	.08	1	3
L6N 2+40E	1	28	7	96	.1	217	23	777	3.47	10	5	ND	3	21	1	2	3	52	.50	.048	13	170	1.49	175	.10	17	1.37	.02	.11	1	6
L5N 0+00E	1	29	7	112	.1	239	31	711	3.86	8	5	ND	1	27	1	2	3	56	.64	.083	10	171	1.65	228	.08	6	1.60	.01	.09	1	30
L5N 0+20E	1	18	7	50	.1	173	20	302	3.60	9	5	ND	2	17	1	2	3	54	.39	.018	8	190	1.37	72	.11	6	1.18	.01	.11	1	4
L5N 0+40E	1	30	8	60	.2	253	21	325	3.96	8	5	ND	2	18	1	2	2	55	.44	.022	10	243	1.61	91	.10	8	1.18	.01	.05	1	45
L5N 0+60E	1	16	2	39	.1	151	12	202	2.41	3	5	ND	1	16	1	2	2	40	.37	.020	8	147	1.75	64	.10	6	1.03	.01	.04	1	24
STD C/AU-S	17	62	39	132	6.8	74	31	953	4.21	41	20	7	38	49	18	15	22	59	.48	.092	39	55	.85	177	.07	35	1.81	.06	.13	12	47

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L5N 0+50E	1	27	9	56	.1	219	19	250	3.24	4	5	ND	2	18	1	2	2	51	.44	.024	13	147	1.58	86	.09	7	1.76	.01	.06	2	3
L5N 1+00E	1	22	13	73	.2	221	28	734	3.77	7	5	ND	1	17	1	2	2	53	.37	.048	10	193	1.72	140	.08	6	1.54	.01	.09	1	6
L5N 1+20E	1	28	8	66	.2	209	27	692	3.57	7	5	ND	2	20	1	2	2	50	.38	.040	8	180	1.65	158	.08	6	1.49	.01	.09	1	5
L5N 1+40E	1	29	8	53	.1	202	22	500	3.28	8	5	ND	2	19	1	2	3	47	.55	.023	8	151	1.43	161	.08	9	1.38	.01	.09	2	3
L5N 1+60E	1	29	9	84	.2	243	31	801	3.52	7	5	ND	2	21	1	2	2	51	.44	.076	9	173	1.88	150	.08	8	1.59	.01	.06	1	7
L5N 1+80E	1	22	8	106	.2	197	24	575	3.51	7	5	ND	4	18	1	2	2	51	.38	.067	9	176	1.74	137	.08	8	1.57	.01	.05	1	32
L5N 2+00E	1	20	6	66	.2	181	20	383	3.19	4	5	ND	2	17	1	2	2	50	.39	.047	8	167	1.57	126	.08	7	1.39	.01	.06	1	650
L4N 0+00E	1	15	5	49	.1	152	18	365	2.92	4	5	ND	2	18	1	2	2	48	.36	.036	7	153	1.46	96	.10	10	1.40	.01	.08	1	11
L4N 0+20E	1	22	6	56	.1	228	24	372	3.62	5	5	ND	2	18	1	2	2	58	.37	.051	8	164	1.49	120	.08	3	1.85	.01	.06	1	4
L4N 0+40E	1	25	7	44	.1	234	13	192	2.41	2	5	ND	3	23	1	2	2	39	.49	.035	10	147	2.17	81	.08	11	1.18	.01	.03	1	4
L4N 0+60E	1	30	9	55	.1	236	18	235	2.76	6	5	ND	3	19	1	4	2	48	.37	.047	11	157	1.87	115	.09	7	1.58	.01	.05	1	7
L4N 0+80E	1	16	6	64	.1	154	16	347	2.73	3	5	ND	2	16	1	2	2	42	.34	.045	8	132	1.33	151	.08	12	1.25	.01	.04	1	10
L4N 1+00E	1	21	9	72	.1	193	22	341	3.41	8	5	ND	2	16	1	2	2	53	.33	.034	8	168	1.49	110	.09	7	1.50	.01	.05	1	4
L4N 1+20E	1	19	8	51	.1	202	20	374	3.43	4	5	ND	2	17	1	2	2	50	.38	.051	9	181	1.81	103	.09	5	1.24	.01	.05	1	58
L4N 1+40E	1	23	10	64	.1	221	21	417	3.65	8	5	ND	2	16	1	2	2	56	.36	.050	8	184	1.59	102	.09	6	1.50	.01	.04	1	5
L4N 1+60E	1	20	8	76	.1	171	20	498	3.07	7	5	ND	4	18	1	4	2	49	.41	.046	8	137	1.44	152	.08	8	1.65	.01	.07	2	8
L3N 0+00E	1	33	7	49	.2	206	14	235	2.76	2	5	ND	2	26	1	2	2	38	.58	.026	8	135	1.75	112	.08	8	1.36	.01	.04	1	8
L3N 0+20E	1	17	7	44	.1	167	17	267	2.88	7	5	ND	1	17	1	2	2	43	.35	.044	8	140	1.62	95	.08	22	1.21	.01	.04	1	15
L3N 0+40E	1	18	5	44	.1	202	17	298	3.12	7	5	ND	7	15	1	2	2	46	.34	.045	8	172	1.81	75	.08	4	1.20	.01	.04	1	4
L3N 0+60E	1	29	9	60	.1	245	21	388	3.18	5	5	ND	4	17	1	3	2	50	.41	.047	13	153	1.87	109	.08	3	1.49	.01	.05	1	4
L3N 0+80E	1	20	8	52	.1	188	18	285	3.03	9	5	ND	3	16	1	4	2	47	.37	.049	9	147	1.66	106	.08	6	1.39	.01	.04	1	4
L3N 1+00E	1	28	11	66	.1	246	22	464	3.47	8	5	ND	3	19	1	2	2	52	.50	.044	12	171	2.12	116	.10	7	1.58	.01	.06	1	4
L3N 1+20E	1	31	11	53	.1	239	19	398	3.33	13	5	ND	3	20	1	4	2	50	.42	.045	12	160	1.94	82	.09	6	1.35	.01	.05	1	3
L3N 1+40E	1	34	11	57	.1	335	27	456	3.99	12	5	ND	6	18	1	4	2	55	.52	.045	16	260	2.47	85	.10	7	1.40	.01	.05	2	4
L3N 1+60E	1	33	12	65	.1	410	33	510	5.73	10	5	ND	8	21	1	3	2	76	.77	.049	21	604	2.32	72	.10	11	1.14	.01	.05	1	7
BL 16+80N	1	22	10	197	.1	197	27	1302	3.70	6	5	ND	1	24	1	2	2	51	.53	.093	8	178	1.37	370	.08	2	1.77	.01	.09	1	5
BL 16+60N	1	19	11	139	.1	197	29	1118	3.66	8	5	ND	2	18	1	2	2	50	.38	.080	7	152	1.39	269	.07	5	1.71	.01	.08	1	146
BL 16+40N	1	21	9	107	.1	216	26	829	3.43	5	5	ND	2	23	1	2	2	47	.52	.064	7	171	1.71	229	.07	6	1.58	.01	.08	1	9
BL 16+20N	1	19	7	169	.1	146	28	1441	2.94	2	5	ND	1	18	1	2	2	42	.38	.051	7	127	1.03	264	.07	6	1.70	.01	.08	1	1
BL 15+80N	1	11	9	75	.1	103	14	562	2.39	2	5	ND	1	17	1	2	5	39	.37	.056	7	111	.96	221	.07	3	1.51	.01	.07	1	1
BL 15+60N	1	17	7	57	.2	227	15	371	2.66	4	5	ND	1	17	1	3	2	43	.37	.034	7	197	1.50	122	.09	4	1.41	.01	.08	1	8
BL 15+40N	1	29	14	159	.1	300	26	762	3.18	5	5	ND	2	19	1	2	3	49	.38	.081	8	175	1.56	206	.08	4	1.78	.01	.07	1	5
BL 15+20N	1	21	11	124	.1	293	24	482	3.78	5	5	ND	2	21	1	2	2	55	.44	.073	8	193	1.33	273	.08	3	2.10	.01	.07	1	1
BL 14+80N	1	8	4	49	.1	159	10	182	1.71	2	5	ND	2	14	1	2	2	37	.34	.026	7	114	1.06	106	.09	4	1.32	.01	.08	1	2
BL 14+60N	1	10	5	61	.1	122	13	535	1.99	2	5	ND	2	17	1	2	2	36	.38	.044	7	136	1.02	140	.09	3	1.27	.01	.08	1	3
BL 14+40N	1	16	7	67	.1	251	24	570	3.40	7	5	ND	1	18	1	2	2	51	.38	.060	7	169	1.38	187	.08	7	1.62	.01	.09	1	3
STD C/AU-S	17	62	42	132	6.7	74	31	995	4.15	41	17	7	37	48	18	16	23	58	.49	.091	38	55	.85	176	.07	34	2.06	.06	.13	13	50

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
BL 14+20N	1	20	10	58	.2	240	22	456	3.24	6	5	ND	2	18	1	2	2	46	.37	.041	7	169	1.61	105	.08	6	1.33	.01	.10	1	3
BL 13+80N	1	19	9	114	.1	217	27	825	3.42	6	5	ND	1	21	1	2	2	51	.43	.074	8	157	1.53	245	.07	6	1.73	.01	.07	2	7
BL 13+20N	1	30	12	72	.1	247	21	508	3.34	10	5	ND	3	26	1	2	2	50	.67	.053	12	165	2.20	97	.08	11	1.33	.01	.06	1	3
BL 12+80N	1	33	7	60	.1	275	22	513	3.00	8	5	ND	3	28	1	2	3	47	.94	.054	13	151	2.46	93	.08	12	1.30	.02	.05	1	13
BL 12+60N	1	28	6	62	.2	225	20	441	3.23	11	5	ND	3	20	1	3	2	50	.45	.041	12	167	2.19	104	.08	7	1.45	.01	.05	1	17
BL 12+40N	1	28	10	70	.2	253	22	449	3.36	13	5	ND	3	21	1	2	2	53	.53	.046	12	169	2.40	104	.09	7	1.56	.02	.05	1	11
BL 12+20N	1	22	9	46	.1	214	17	403	2.92	6	5	ND	4	29	1	2	2	47	1.13	.051	14	158	2.14	67	.08	10	1.03	.01	.04	2	5
BL 11+80N	1	17	9	70	.1	175	20	442	3.12	7	5	ND	3	21	1	2	2	47	.52	.050	8	162	1.60	126	.08	6	1.32	.01	.06	1	4
BL 11+50N	1	13	13	88	.1	133	20	530	2.85	3	5	ND	1	16	1	2	2	46	.33	.052	7	136	1.36	189	.08	3	1.52	.01	.05	2	5
BL 11+40N	1	17	6	57	.1	182	17	227	2.86	5	5	ND	3	19	1	2	2	47	.38	.056	8	156	1.83	104	.08	5	1.35	.01	.04	1	4
BL 11+20N	1	18	9	57	.1	171	18	270	2.86	9	5	ND	2	17	1	2	2	46	.34	.036	9	146	1.56	124	.08	5	1.39	.01	.05	1	14
BL 10+80N	1	27	13	55	.1	230	19	242	3.09	8	5	ND	3	19	1	2	2	49	.40	.044	12	160	2.07	96	.08	4	1.43	.01	.04	1	7
BL 10+60N	1	30	5	55	.1	232	21	419	3.24	10	5	ND	3	18	1	2	2	51	.37	.037	12	163	1.72	101	.09	6	1.47	.01	.05	1	7
BL 10+40N	1	18	7	61	.1	171	19	415	3.07	9	5	ND	2	18	1	2	2	49	.38	.042	8	149	1.37	124	.08	4	1.51	.01	.06	1	15
BL 10+20N	1	17	9	67	.1	172	21	385	3.41	12	5	ND	2	18	1	2	2	55	.37	.039	7	176	1.42	113	.09	7	1.64	.01	.06	1	5
BL 9+80N	1	15	8	57	.1	153	20	272	3.31	7	5	ND	2	14	1	2	2	53	.32	.025	6	174	1.32	67	.10	7	1.37	.01	.05	1	3
BL 9+60N	1	13	6	51	.1	145	16	194	2.85	3	5	ND	2	15	1	2	2	49	.33	.023	6	165	1.30	90	.09	3	1.31	.01	.07	1	8
BL 9+40N	1	11	8	56	.1	120	19	294	2.81	3	5	ND	1	20	1	2	2	44	.44	.020	6	140	1.27	135	.08	4	1.59	.01	.07	1	1
BL 9+20N	1	8	4	38	.1	101	15	267	2.30	2	5	ND	1	16	1	2	2	39	.32	.024	6	127	1.05	139	.07	2	1.35	.01	.06	2	4
BL 8+80N	1	14	6	41	.1	152	14	194	2.27	6	5	ND	2	18	1	2	2	40	.41	.046	8	141	1.71	65	.08	14	1.08	.01	.03	1	230
BL 8+60N	15	22	8	83	.2	197	25	1047	7.84	15	5	ND	1	26	1	2	2	60	.48	.081	7	133	1.00	162	.07	2	1.46	.01	.08	1	1
BL 8+40N	4	15	6	65	.2	136	17	575	3.34	5	5	ND	2	18	1	2	2	46	.31	.052	7	116	1.21	129	.08	6	1.44	.01	.07	1	5
BL 8+20N	1	10	3	37	.1	91	11	241	2.54	7	5	ND	1	19	1	2	2	42	.34	.030	7	113	1.25	93	.09	4	1.30	.01	.05	1	3
BL 7+80N	1	15	5	39	.1	90	11	245	2.64	4	5	ND	1	25	1	2	2	49	.45	.017	8	100	1.23	104	.09	4	1.54	.01	.06	1	3
BL 7+60N	1	41	10	62	.1	191	16	397	3.22	6	5	ND	2	30	1	4	2	50	.61	.033	12	122	1.98	182	.08	4	1.89	.01	.05	1	1
BL 7+40N	1	17	6	46	.1	98	12	260	2.77	8	5	ND	3	19	1	2	3	48	.35	.019	8	102	.95	140	.08	2	1.52	.01	.06	1	2
BL 7+20N	1	14	6	43	.1	81	10	260	2.30	8	5	ND	2	20	1	2	2	46	.33	.015	8	80	.95	125	.08	2	1.36	.01	.03	1	3
BL 6+80N	1	22	14	85	.2	60	17	1050	2.76	3	5	ND	1	27	1	2	2	44	.49	.080	8	48	.60	257	.04	6	1.39	.01	.06	2	3
BL 6+60N	1	17	8	84	.2	76	15	955	2.61	2	5	ND	1	22	1	2	2	45	.45	.063	8	66	.52	222	.06	4	1.43	.01	.04	1	2
BL 6+40N	1	20	7	89	.3	143	29	989	3.76	6	5	ND	1	26	1	2	3	56	.47	.105	8	114	1.25	226	.06	5	1.85	.01	.06	1	16
BL 6+20N	1	21	6	69	.1	87	20	801	3.54	2	5	ND	2	33	1	2	2	56	.55	.054	9	81	1.13	214	.09	4	1.65	.01	.06	1	1
BL 5+80N	1	10	2	64	.1	100	16	503	2.57	5	5	ND	1	16	1	2	2	44	.36	.033	6	119	.90	149	.08	4	1.39	.01	.07	1	1
BL 5+60N	1	14	6	73	.1	139	18	396	3.18	8	5	ND	1	14	1	2	2	51	.33	.036	7	144	1.03	129	.08	4	1.50	.01	.05	1	1
BL 5+40N	1	18	7	84	.1	167	21	503	3.62	6	5	ND	2	14	1	2	2	53	.30	.041	7	175	1.13	123	.08	2	1.53	.01	.05	1	19
BL 5+20N	1	15	6	68	.1	168	20	408	3.12	7	5	ND	2	14	1	2	2	50	.31	.038	7	149	1.19	134	.09	3	1.50	.01	.06	1	8
BL 4+80N	1	18	7	107	.1	169	25	633	3.28	8	5	ND	1	19	1	2	2	51	.43	.083	7	130	1.23	171	.07	2	1.82	.01	.07	1	3
STD C/AU-S	17	63	40	132	6.7	68	31	1043	4.13	43	23	8	38	49	18	14	22	58	.48	.092	39	56	.84	176	.07	35	2.04	.06	.13	12	49

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
BL 4+60N	1	14	7	60	.1	155	19	434	2.43	10	5	ND	2	18	1	2	2	46	.31	.043	7	170	1.28	164	.08	4	1.33	.01	.09	1	2
BL 4+40N	1	13	9	55	.1	124	17	433	2.13	10	5	ND	3	17	1	2	2	43	.28	.040	7	150	1.07	132	.07	2	1.09	.01	.09	1	1
BL 4+20N	1	15	9	49	.1	136	18	401	2.54	11	5	ND	1	18	1	2	2	50	.28	.050	6	161	1.11	133	.08	2	1.22	.01	.04	1	2
BL 3+80N	1	17	9	61	.1	183	23	448	3.14	10	5	ND	3	18	1	2	2	55	.29	.062	8	199	1.39	139	.07	3	1.55	.02	.08	2	179
BL 3+60N	1	210	32	71	.1	665	21	1172	2.26	15	5	ND	1	57	1	2	2	41	1.06	.079	18	146	1.60	187	.04	6	1.17	.02	.07	1	3
BL 3+40N	1	30	11	47	.1	213	21	444	3.08	11	5	ND	2	28	1	2	2	51	.46	.059	7	148	1.27	159	.06	3	1.59	.02	.08	3	1
BL 3+20N	1	141	7	66	.1	586	18	701	2.09	8	5	ND	1	55	1	2	2	34	1.12	.058	11	125	1.58	210	.05	6	1.25	.02	.05	1	2
STD C/AU-S	18	62	40	132	6.8	74	30	1045	3.63	44	21	7	39	49	18	16	22	61	.45	.089	39	63	.87	177	.07	35	1.87	.06	.14	13	52

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

ATLIN MINING DIVISION

YJ - 5 (Claim) Property

Geology and Grid Location

DRAWN	DATE	FILE CODE	
dm	13/10/89	104N12	FIGURE 4.0

Revised

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,208

LEGEND

- Andesite
- Serpentinite
- 3 Quartz-Carbonate-Mariposite Alteration
- Claim Post
- Fault
- Trail
- 2 Outcrop
- Geological Contact Inferred/Actual

0 50 100 150 metres

PINE CREEK

SPRUCE CREEK

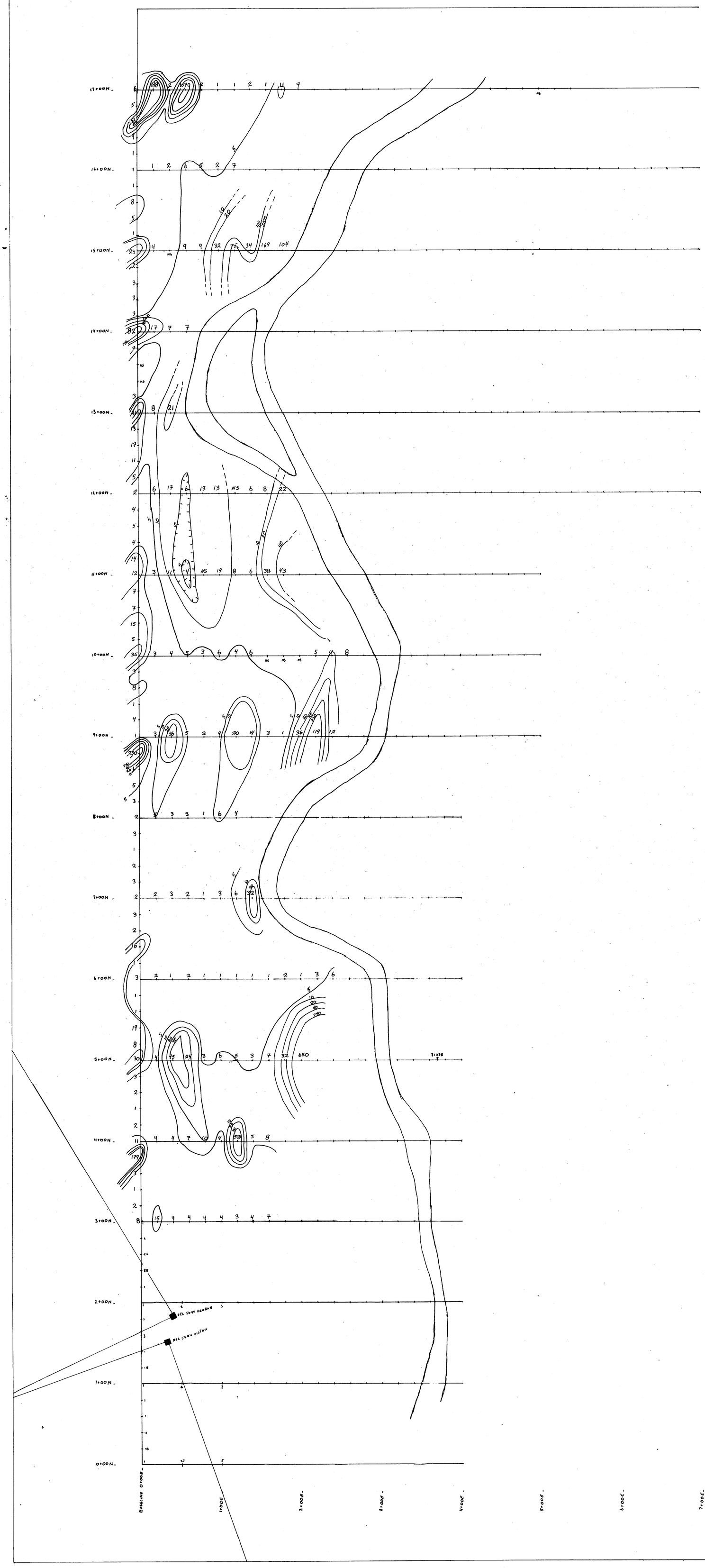
YJ-5 25

YJ-5 33

NEL SHAW BASE

NEL SHAW PILTON

YJ-5 Claim Line



Contour Interval 5, 10, 20, 40, >50 ppb Au

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,208

HOMESTAKE MINERAL DEVELOPMENT COMPANY

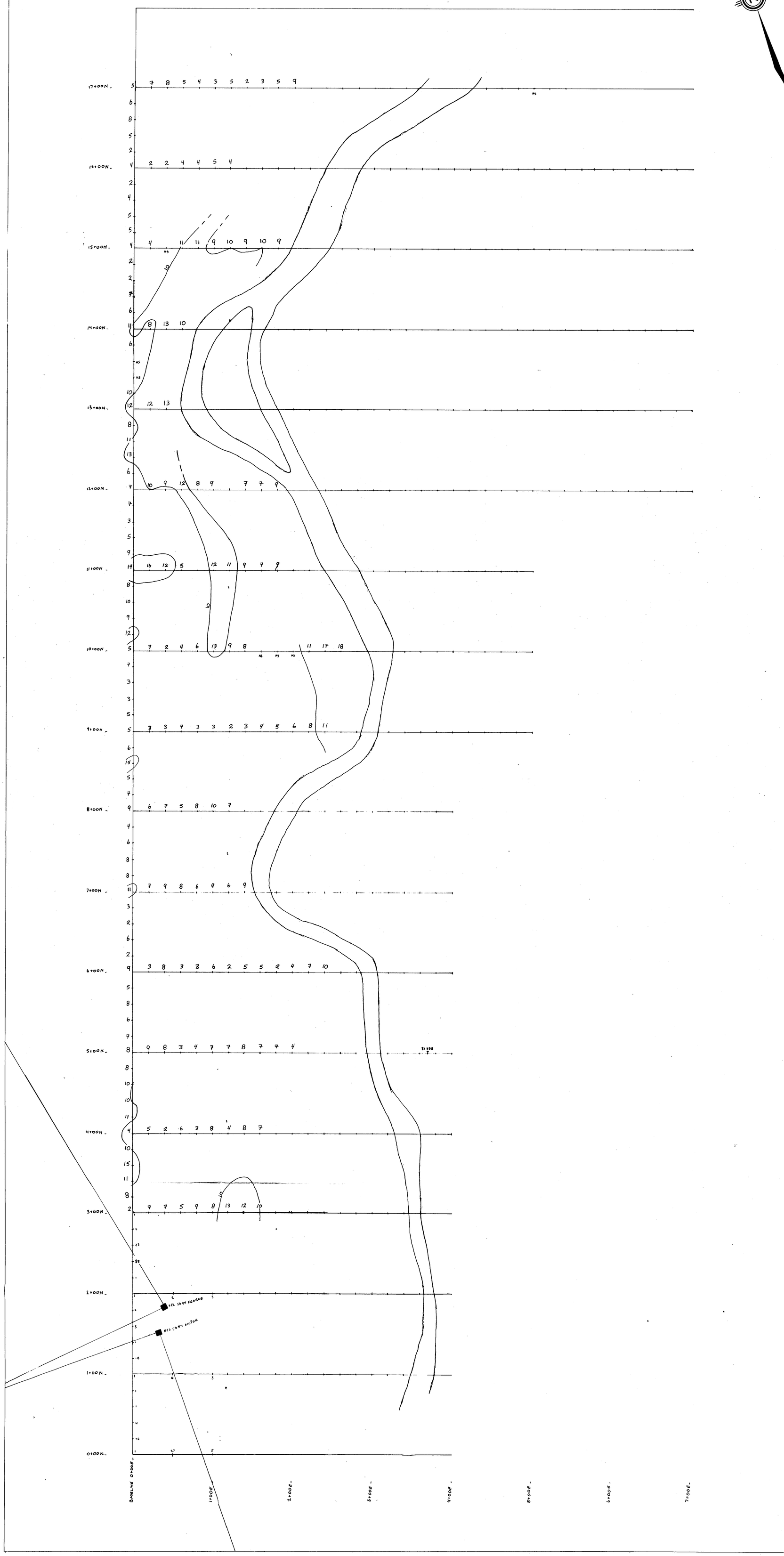
ATLIN, BRITISH COLUMBIA

YJ - 5 CLAIM

Au Soil Geochemistry

DRAWN	DATE	FILE CODE	
dm	10/10/89	104N12	Fig 5.1
REVISED			

0 50 100 150 meters



Contour Interval 10, 20, 30 ppb As

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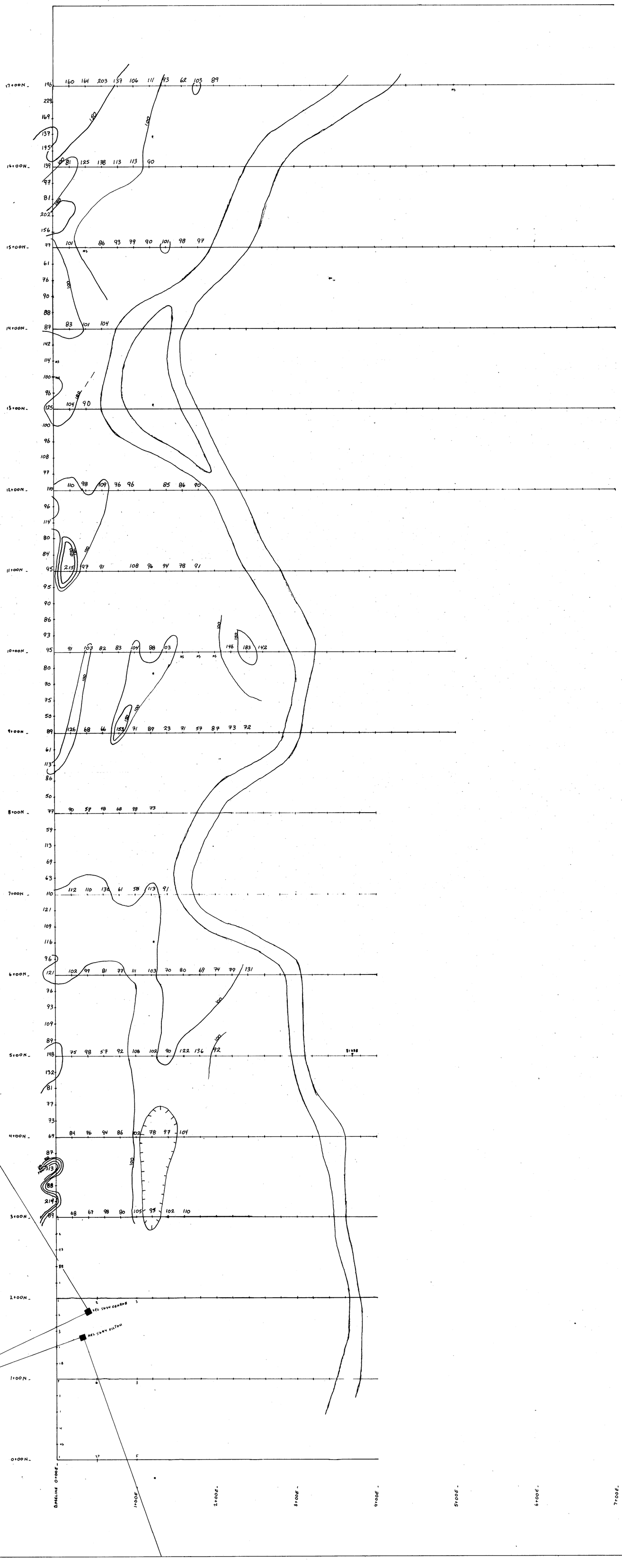
ATLIN, BRITISH COLUMBIA

YJ - 5 CLAIM

As Soil Geochemistry

DRAWN	DATE	FILE CODE	
dm	10/16/89	104N12	Fig 5.2
REVISED			

0 50 100 150 meters



GEOLOGICAL BRANCH
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19,208

Contour Interval 100, 150, 200, >200 ppm Cu+Pb+Zn

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ATLIN, BRITISH COLUMBIA

YJ - 5 CLAIM
Cu+Pb+Zn Soil Geochemistry

DRAWN	DATE	FILE CODE	
dm	10/16/89	104N12	Fig 5.3
REVISED			

0 50 100 150 meters