

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.06.16

ASSESSMENT REPORT 17543

MINING DIVISION: Atlin

PROPERTY: YJ 5
LOCATION: LAT 59 34 00 LONG 133 39 00
UTM 08 6603720 576281
NTS 104N12E

CLAIM(S): YJ 5
OPERATOR(S): Homestake Min. Dev.
AUTHOR(S): McIvor, D.F.
REPORT YEAR: 1988, 15 Pages

COMMODITIES
SEARCHED FOR: Gold, Silver, Arsenic

GEOLOGICAL
SUMMARY: The property is underlain predominantly by Permian ultramafic intrusive rocks, minor Pennsylvanian Cache Creek Group andesitic volcanics, with minor hydrothermal (silica-carbonate-mariposite) alteration of ultramafics proximal to contact with andesites. A sample returned anomolous values of gold silver, arsenic and antimony.

WORK
DONE: Geological
GEOL 400.0 ha
Map(s) - 1; Scale(s) - 1:2000

LOG NO: 0627	RD.
ACTION:	
FILE NO:	

SUMMARY REPORT; GEOLOGICAL MAPPING
AND LITHOGEOCHEMICAL SAMPLING PROGRAMS
ON THE YJ5 CLAIM, ATLIN MINING DIVISION
BRITISH COLUMBIA
(WEST GROUP OF CLAIMS)

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,543

NTS: 104N.12E
LATITUDE: 59° 34' NORTH
LONGITUDE: 133°39' WEST
OWNER: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.
OPERATOR: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.
BY: DUNCAN MCIVOR
DATE: JANUARY 1988

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1. 1:2000 GEOLOGY PLAN MAP, YJ5 CLAIM
2. ICP GEOCHEMICAL DATA

1. SUMMARY

The YJ5 Claim is located 3 kilometers east of the town of Atlin, in northwestern British Columbia. During the period June through October 1987, geological mapping and lithogeochemical sampling programs were carried out on the property. The results of the mapping indicated that the property was underlain predominantly by ultramafic intrusive rocks, in contact with andesitic volcanics of the Cache Creek Group along the northern perimeter of the property. At that contact, the ultramafics were intensely hydrothermally altered to a silica-carbonate-mariposite assemblage, a sample of which returned anomalous gold, silver, arsenic and antimony values.

2. INTRODUCTION

2.1 Scope of Report

This report briefly summarizes all mineral exploration activity carried out by Homestake Mineral Development Company Ltd. on the YJ5 claim during the period June through October 1987.

2.2 Location, Access and Physiography

The YJ5 claim is located 3 kilometers due east of the town of Atlin, in northwestern British Columbia (see Figures 1 and 2). The western portion of the claim covers a mineral reserve currently withdrawn from staking (with the exception of two crown grants currently under lease that constitute the Pictou Property), and this report deals with work on the eastern portion.

Access to the property is by foot, either from the Surprise Lake Road, which crosses the northwest corner of the claim currently withdrawn from staking, or from the Pine Creek subdivision, situated in the southwest corner of the claim and also withdrawn from staking.

Pine Creek flows south from Lake Atlin, 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 centre of the property. Both Pine and Spruce Creeks have considerable outwash plains with a thick cover of fluvial sand and gravel.

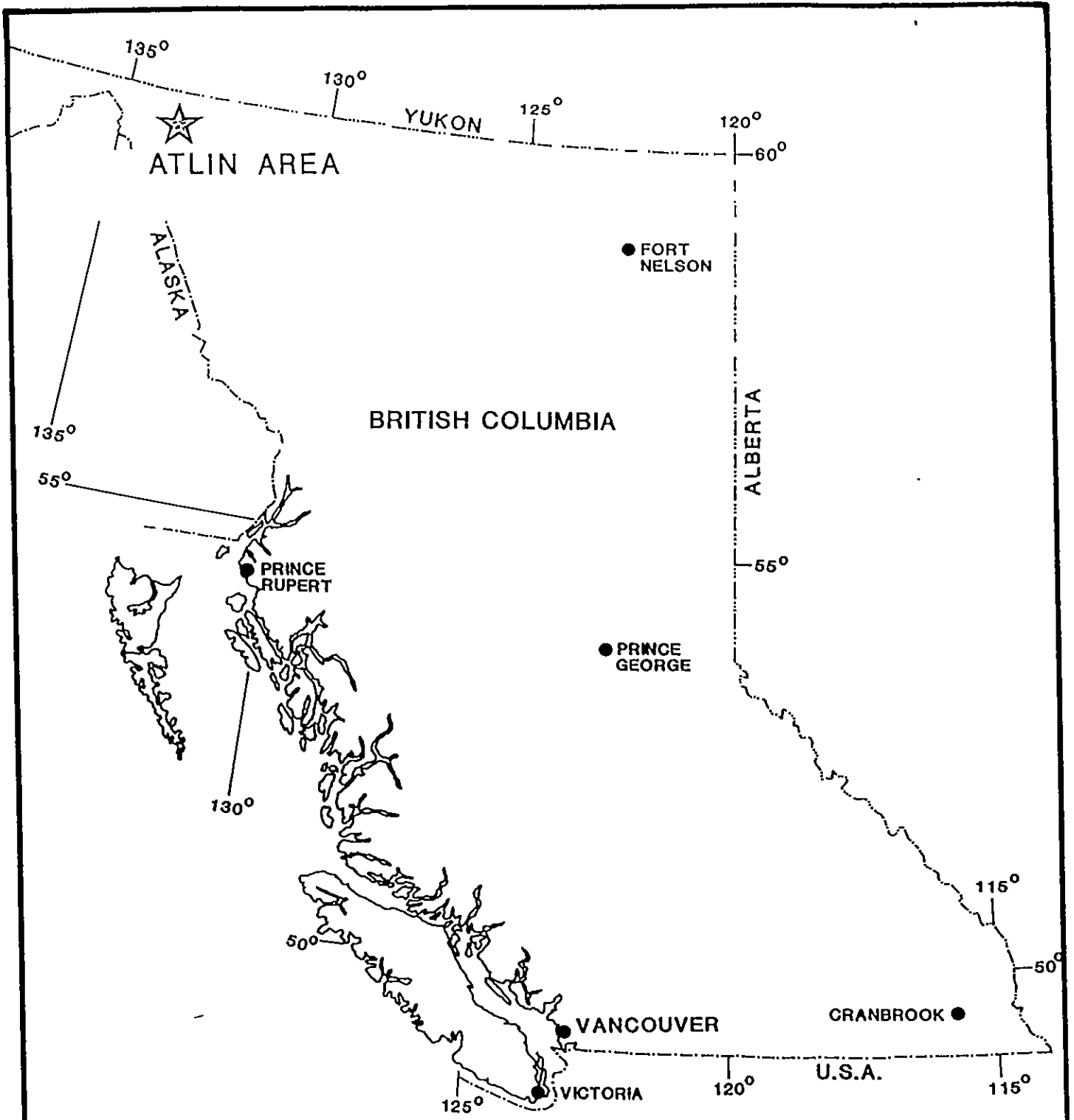
Vegetation is a typical mixed upland forest of spruce, pine, and poplar.

2.3 Land Status

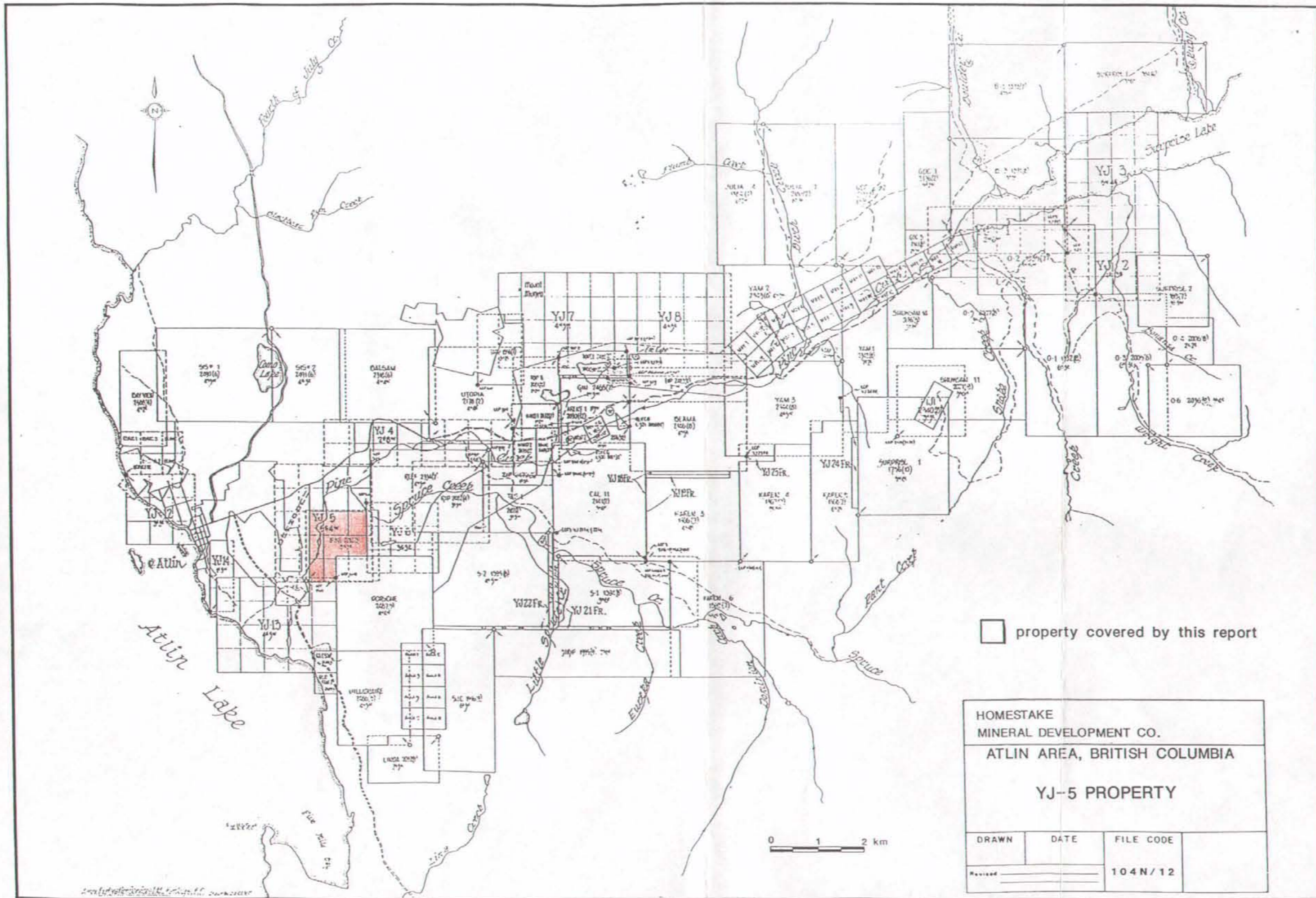
The YJ5 claim is part of a larger group of claims referred to as the West Group, all of which are in good standing until late 1989.

2.4 General Geologic Setting

The YJ5 claim lies near the western edge of the northwest trending "Atlin Terrane", which is underlain by Upper Paleozoic oceanic crustal rocks (Monger, 1975). These rocks are correlated with the Cache Creek Group rocks of southern and central British Columbia.



HOMESTAKE MINERAL DEVELOPMENT COMPANY			
ATLIN PROJECTS BRITISH COLUMBIA			
LOCATION MAP			
DRAWN KMc	DATE 11/87	FILE CODE 104N/11;12	map 1
Revised _____			

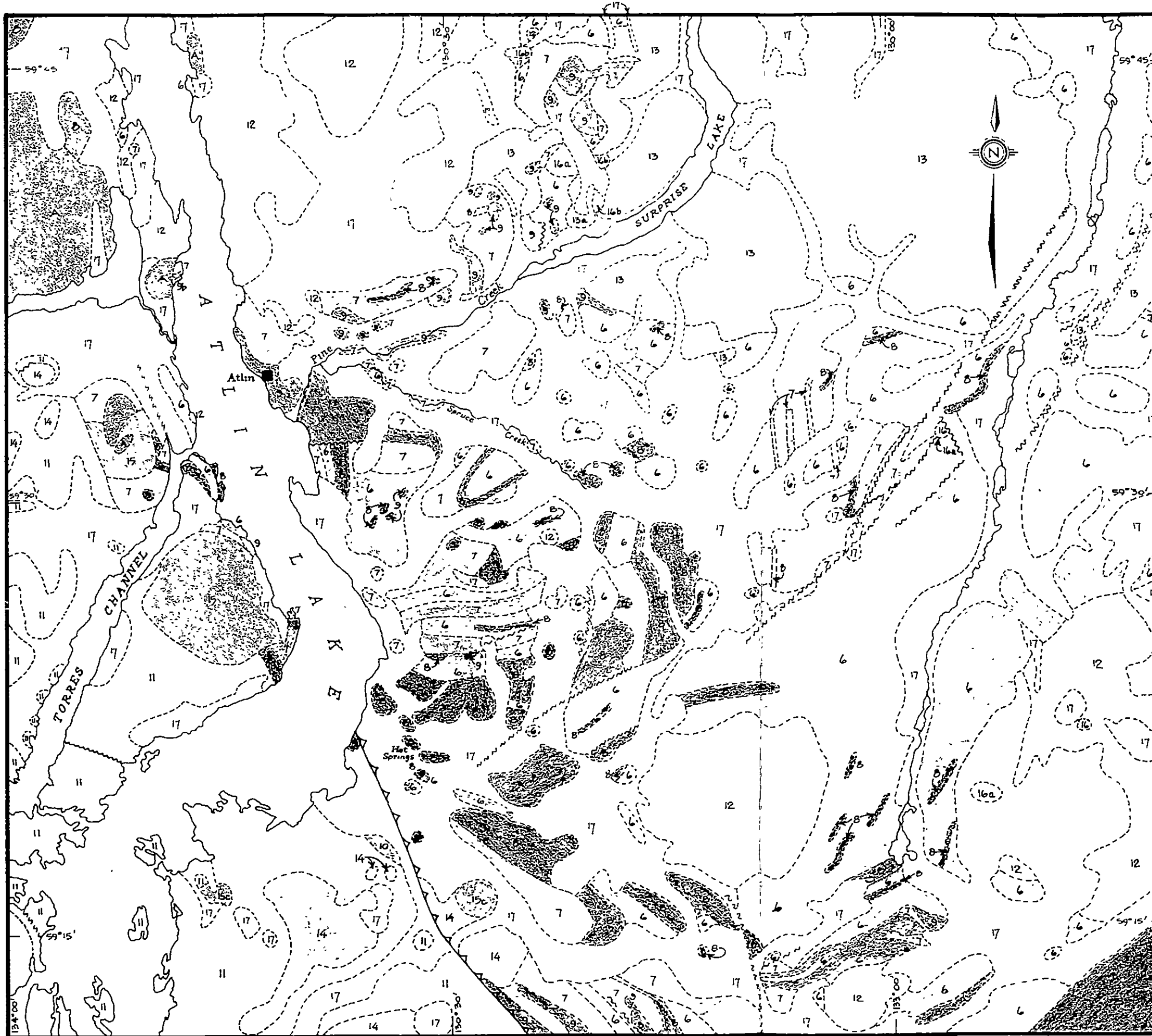


□ property covered by this report

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

0 1 2 km

1:25,000



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.

N, W FAULT (ASSUMED, APPROXIMATE.)
 W W 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 KMc	DATE	FILE CODE	
Revised		104N/12	

Within the Atlin Terrane, andesitic to basaltic flows are overlain by cherts and thick shallow water carbonate rocks. Discordant granitic plutons, ranging in age from Late Jurassic to early Tertiary, locally intrude the stratigraphy. Some remnant Tertiary volcanics and sediments are found within the area.

Also within the Atlin Terrane, and co-eval or immediately post dating the Cache Creek group rocks, are large ultramafic bodies which define a discordant belt trending west across the tectonic fabric of the terrane. The ultramafic bodies are commonly intensely serpentinized, and in some areas extensively hydrothermally altered to a listwanite-like assemblage of silica, carbonate and mariposite/fuchsite.

The YJ5 claim is underlain predominantly by serpentinized ultramafic intrusives with a major andesite contact along the northern edge of the property. Figure 3 illustrates the general geology of the Atlin area, and the location of the property within that geologic setting.

2.5 Preliminary Economic Assessment

The majority of known lode gold mineralization within the Atlin Camp is associated with intensely altered (silica-carbonate-mariposite/fuchsite) ultramafic rocks proximal to their fault bounded or intrusive contacts with rocks of the Cache Creek Group.

The mineralization is almost "exclusively hosted in quartz-carbonate veins and vein stockworks within these altered packages of rocks, occurring either as often spectacular free gold, or in intimate association with gangue sulphides such as pyrite, chalcopyrite, arsenopyrite, sphalerite, galena, and sulfosalts (pyrargyrite, tetrahedrite).

The YJ5 claim, underlain by ultramafics and andesite, covers a major contact that elsewhere in the camp hosts significant gold mineralization.

2.6 Exploration History

Prior to acquisition by Homestake Mineral Development Company Ltd., no recorded "hard rock" mineral exploration work has been filed on the claim.

2.7 Work Completed to Date

During the period June through October 1987, the following work was completed on the property by Homestake Mineral Development Company Ltd.;

- 23.2 kilometers of flagged line grid were established on the property, to facilitate geological mapping;
- geological mapping, at a scale of 1:2000 was completed over the property;
- 2 samples were collected during mapping and analyzed for 30 elements via ICP and for Au by standard fire assay and atomic absorption methods.

The details of this work are outlined in the next section of this report.

3. DETAILED TECHNICAL DATA

3.1 Geological Mapping

3.1.1. Methods Employed

As mentioned, 23.3 kilometers of flagged line grid were established on the property. The grid is an eastern extension of a cut-line grid on the Pictou Property, from which the baseline was extended for 1,600 meters east (at 110°) along the southern edge of the claim.

Cross-lines were established at 100 meter intervals, and extended north (020°) to hit Spruce Creek, from 1300 to 1700 meters away. Stations were established at 20 meter intervals along all crosslines. All lines were established employing a hip-chain and compass.

In the course of mapping, all encountered outcrops were physically tied into the grid and their perimeters followed via hip-chain and compass. This provided very accurate establishment of outcrop location.

Detailed notations as to outcrop lithologies, structure and the presence or absence of significant veining, mineralization and alteration were made in the field.

All pertinent topographic and geomorphic features were also accurately tied into the grid.

The geology map of the property, at a scale of 1:2000, appears in Appendix 1 of this report.

3.1.2. Results and Interpretation

Lithologies

Three lithologies, two really, as two are different alteration assemblages of the same protolith, were encountered during mapping. Below is a brief description of each, their numbers corresponding with those of the map legend in Appendix 1.

Unit 2 - Serpentinized Ultramafic

This unit, outcropping throughout the southern portion of the property, is characteristically a dark green to black, aphanitic, moderately to intensely serpentinized rock, the serpentine content ranging from 30% to 100%. The rock weathers a characteristic tan to buff colour, and is generally very strongly magnetic. The ultramafic is often porphyritic, with small 2-3mm weakly steatized pyroxene crystals as phenocrysts which stand out in relief on weathered surfaces. The phenocrysts are often aligned in crude bands that suggest a primary differentiation, but orientations of these bands is highly variable.

The outcrops are for the most part massive, but in some locations the serpentinized ultramafics exhibit local shearing, again at highly variable orientations. Weak talc alteration occasionally is associated with zones of strong shearing.

Unit 3 - Totally Altered (Silica-Carbonate-Mariposite) Ultramafic Rock

Only small outcrop of this unit is exposed on the property, along Spruce Creek in the northern section of the claim. The alteration zone is approximately ten meters thick, and occurs between massive serpentinized ultramafics south of the zone, and andesites north of the zone. The alteration is predominantly strong silicification, with moderate associated carbonate (magnesite and lesser ferroan dolomite and ankerite) and mariposite. No veining or sulphide mineralization was noted in the outcrop.

Unit 4 - Andesite

One small exposure of andesite occurs on the property, immediately north of the above mentioned unit 3. The rock is dark green to black, aphanitic, and massive, and locally is weakly silicified and carries 10-15% thin carbonate stringers. No sulphide mineralization was noted.

Structure/Stratigraphic Relationships

The majority of the property is underlain, as discussed, by a large body of ultramafic intrusive rocks. These rocks, where in contact with the andesitic volcanics of the Cache Creek Group, exhibit very strong hydrothermal alteration, implying a zone of permeability which in turn implies a tectonic/structural contact as opposed to true intrusive contact.

There is insufficient exposure to determine the orientation of this contact but based on the regional aeromagnetic data, it appears to trend approximately east-west.

3.2 Lithogeochemical Sampling

3.2.1. Methods Employed

In the course of mapping, only 2 samples were collected from the property, as these were taken from the only two exposures containing any significant alteration, veining, or mineralization. The samples were forwarded to Acme Analytical Laboratories Vancouver for multi-element ICP analysis and geochemical gold analysis by conventional fire assay and A.A. techniques. The wide spectrum of elements analyzed for by the ICP method provides some very useful geochemical data. Gold mineralization in the Atlin camp often occurs with associated highly elevated contents of Cu, Pb, Zn, As, Cd and Ag, all of which are part of the 30 element analytical package. Elevated contents of these elements, even in the absence of anomalous gold values, may serve as "pathfinders" to gold mineralization.

The ICP geochemical data appears in Appendix 2. Sample locations are plotted on the enclosed geology plan map in Appendix 1, followed by the sample gold content in ppb.

3.2.2. Results and Interpretation

One sample (PA-33356) taken from the exposure of silica-carbonate-mariposite altered ultramafic, returned an anomalous gold value of 260 ppb, with elevated Ag (0.4 ppb), As (198 ppm) and Sb (39 ppm). This area warrants a more vigorous sampling program, in an attempt to delineate the contact related alteration zone.

The second sample, from andesites immediately north of the altered ultramafics, failed to return any significant assay values.

4.0 ITEMIZED COST STATEMENT AND ALLOCATION OF EXPENDITURES

4.1 Itemized Cost Statement

The following expenses were incurred as a direct result of the exploration work described in this report.

1) Salaries and Wages

Duncan McIvor: (Report Preparation)

1 day (December 7, 1987)

@\$115.00/day \$ 115.00

Joanne Bozek:

8 days (September 21-28, 1987)

@\$85.00/day \$ 680.00

Phil Southam:

8 days (September 21-28, 1987)

@\$85.00/day \$ 680.00

SUB TOTAL \$1,475.00

+20% BENEFITS, ETC. 295.00

TOTAL \$ 1,790.00

2. Food and Accommodation Costs

@\$35/day per man x 18 days \$ 630.00

3. Transportation Costs

Fuel and Maintenance on Vehicles

@\$25/day x 8 days \$ 200.00

4. Analytical Costs

2 samples, Geochemical Au and

30 elements ICP analysis,

@\$14.25/sample \$ 28.50

5. Miscellaneous Field Equipment Costs

- flagging tape, toposil, sample bags, etc. \$ 50.00

TOTAL EXPENDITURES \$ 2,698.50

4.2 Allocation of Expenditures

All work described in this report was carried out on claim YJ5, part of a grouping of claims known collectively as the "West Group".

These expenditures are to be applied against claims of the "West Group" as outlined in the statement of Exploration and Development.

<u>CLAIM</u>	<u>REC. NO.</u>	<u>UNITS</u>	<u>REC. DATE</u>	<u>ALLOCATION</u>
YJ5	2676	20	05/08/86	\$2,698.50

DMc/mm

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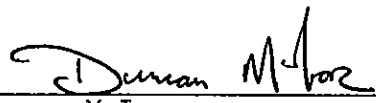
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AUTHOR'S QUALIFICATIONS

I, Duncan Forbes McIvor, do hereby state that;

- I am a graduate of the University of Waterloo, and hold an Honours Bachelor of Applied Science degree.
- I have been practising my profession as an exploration geologist on a full time basis since 1982.
- I have personal knowledge that all information presented in this report is true and accurate.



Duncan McIvor

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE 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: Rock Chips AUF ANALYSIS BY AA FROM 10 GRAM SAMPLE.

MASTER
 MS. ATLIN RECORD
 11. BC. 1040.03
 PAZ

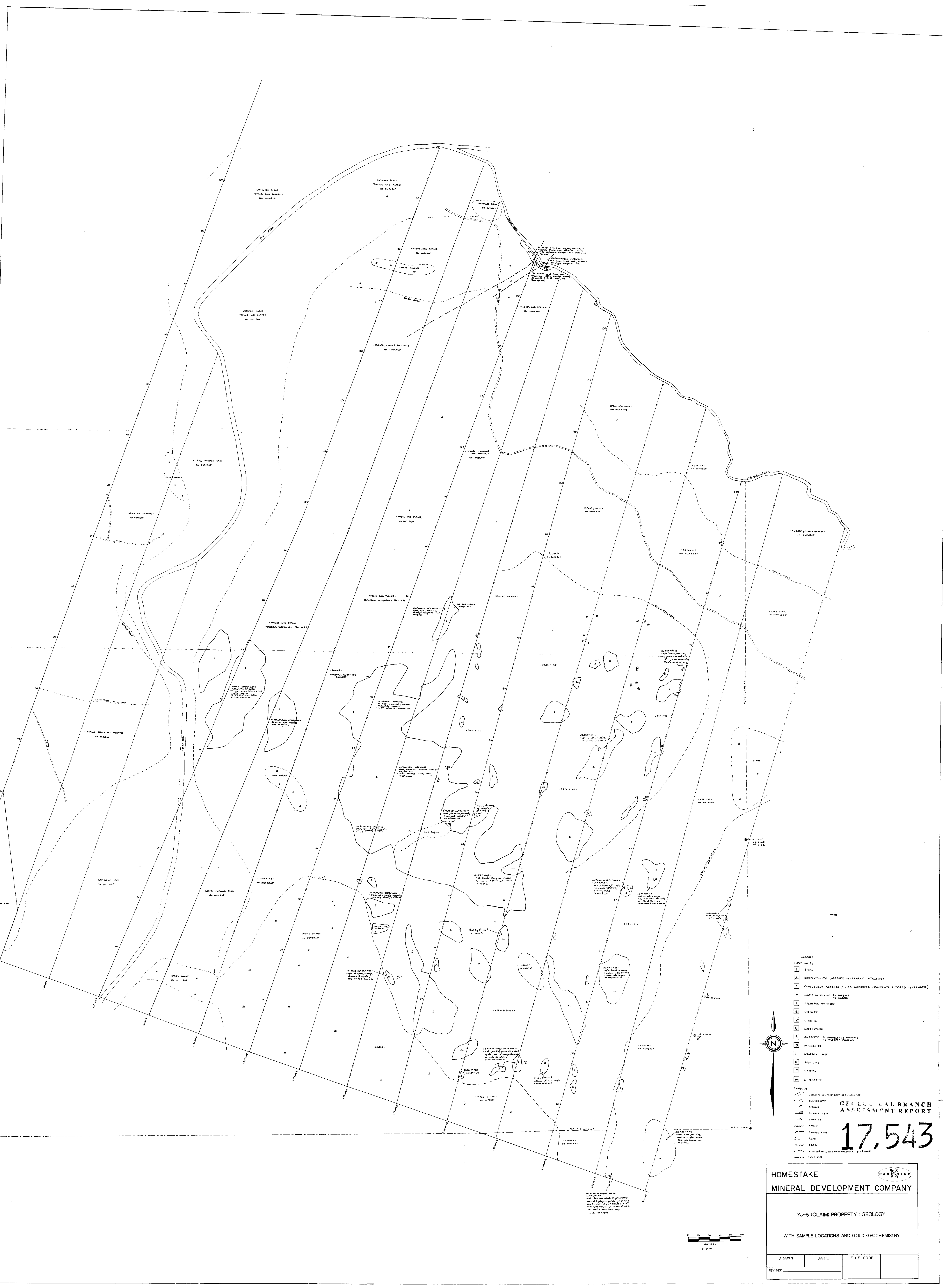
ATL

DATE RECEIVED: OCT 19 1987 DATE REPORT MAILED: Oct 27/87 ASSAYER: *Debye* DEAN TOYE, CERTIFIED B.C. ASSAYER

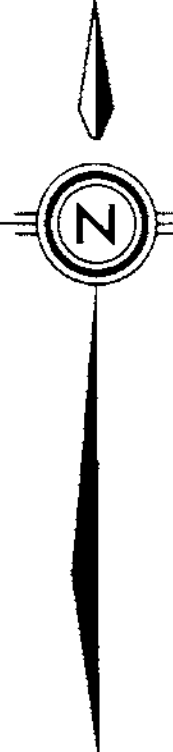
HOMESTAKE MINERAL PROJECT-PA-5710 File # 87-5054 Page 1

YJ-5
 GEOCHEM

SAMPLE#	MO	CU	PN	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUF
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
YJ-01-1-33345	1	14	2	21	.1	2339	67	402	2.51	37	5	ND	2	2	1	2	2	3	.25	.002	2	135	13.78	8	.01	21	.02	.01	.01	1	77
YJ-01-1-33346	1	12	2	9	.1	1309	62	968	3.57	28	5	ND	3	300	1	2	2	7	3.08	.001	2	440	13.32	6	.01	5	.14	.01	.01	1	4
YJ-01-1-33347	1	44	3	15	1.6	904	40	950	3.26	70	5	2	3	259	1	2	2	11	2.65	.001	2	372	10.86	8	.01	4	.27	.01	.01	1	970
YJ-01-1-33348	1	9	3	22	.1	866	36	1258	2.58	62	5	ND	1	849	1	2	2	18	11.02	.011	2	477	6.06	56	.01	2	.43	.01	.02	1	14
YJ-01-1-33349	1	16	2	11	.2	574	24	1065	2.34	58	5	ND	1	1104	1	2	2	9	12.49	.006	2	254	7.64	60	.01	4	.26	.01	.02	1	6
PA-01-1-33356	1	91	2	9	.4	615	42	769	2.49	198	5	ND	1	745	1	39	2	7	14.72	.002	2	161	7.30	132	.01	2	.08	.01	.04	4	280
PA-01-1-33357	1	1	2	15	.1	13	1	860	2.84	8	5	ND	1	191	1	2	2	14	21.25	.046	3	12	8.99	154	.01	2	.06	.03	.01	2	1
YJ-01-1-33361	1	5	2	12	.1	1003	52	1289	4.18	66	5	ND	2	642	1	2	2	12	6.97	.001	2	280	13.34	15	.01	5	.25	.01	.01	1	18
YJ-01-1-33362	1	5	4	15	.1	314	16	1234	3.13	62	5	ND	1	1586	1	2	2	23	17.60	.002	4	132	8.55	31	.01	3	.21	.01	.03	1	27
YJ-01-1-33363	1	26	2	9	.1	468	23	1281	2.41	66	5	ND	1	1053	1	2	2	13	14.02	.001	2	236	7.25	52	.01	7	.21	.01	.01	1	21
YJ-01-1-33364	1	18	2	8	.1	693	26	656	2.60	42	5	ND	1	656	1	2	2	9	9.19	.001	2	283	7.40	16	.01	3	.10	.01	.01	1	82
YJ-01-1-33365	1	16	2	12	.2	913	41	965	1.81	50	5	ND	1	776	1	2	2	7	11.01	.001	2	298	6.44	61	.01	2	.15	.01	.01	1	4
YJ-01-1-33366	1	9	3	24	.4	800	36	976	2.69	156	5	ND	1	828	1	6	2	20	11.32	.001	4	299	8.36	37	.01	4	.28	.01	.05	1	29
PC-01-1-33388	3	34	5	29	.3	22	5	396	1.38	2	5	ND	9	130	1	2	2	4	2.53	.066	22	7	.90	406	.01	5	.36	.01	.19	1	1
PC-01-1-33389	1	9	5	5	.4	131	5	7123	2.32	57	5	ND	1	903	1	9	2	4	17.70	.001	2	72	9.52	7	.01	5	.03	.01	.01	1	67
PC-01-1-33390	1	87	2	43	1.0	100	24	792	4.09	111	5	ND	8	975	1	3	2	36	7.89	.187	24	127	5.67	134	.01	4	.41	.01	.14	2	1
PC-01-1-33391	1	12	855	78	57.0	13	1	302	.64	25	5	ND	2	311	14	2	44	1	3.26	.011	4	6	1.69	26	.01	2	.10	.01	.06	1	860
PC-01-1-33392	1	32	867	81	57.7	145	8	294	1.43	77	5	ND	2	349	12	5	50	6	3.53	.019	3	65	3.46	18	.01	2	.10	.01	.02	1	820
PC-01-1-33393	1	6	19	19	.4	8	1	185	.50	18	5	ND	3	40	1	2	2	1	.78	.006	11	1	.44	96	.01	3	.32	.02	.16	1	9
PC-01-1-33394	1	2	10	22	.6	14	1	158	.64	39	5	ND	2	46	1	2	2	1	.45	.002	9	1	.27	107	.01	5	.31	.01	.16	1	11
PC-01-1-33395	2	59	5	31	.4	60	3	177	.85	13	5	ND	1	57	1	5	2	1	.59	.002	2	2	.33	46	.01	2	.32	.01	.11	1	1
PC-01-1-33396	1	12	8	23	1.6	12	4	370	1.45	10	5	ND	7	50	1	3	2	3	1.57	.070	22	2	.40	148	.01	8	.36	.02	.19	1	65
PA-01-1-33397	1	5	5	31	.5	10	4	373	1.49	2	5	ND	2	69	1	2	2	3	1.82	.067	13	2	.58	85	.01	4	.32	.03	.17	1	20
PA-01-1-33398	3	14	25	23	.3	1057	47	1119	2.87	79	5	ND	1	743	1	2	2	15	12.72	.006	2	491	6.31	37	.01	3	.47	.01	.01	1	250
PA-01-1-33399	1	54	5	67	.1	112	26	979	4.56	8	5	ND	10	342	1	2	2	138	4.39	.277	59	335	3.66	198	.01	6	2.10	.03	.04	1	18
PA-01-1-33400	1	24	2	9	.6	664	46	552	3.06	2	5	ND	2	58	1	2	2	9	.71	.001	2	443	13.71	6	.01	4	.22	.01	.01	1	3
YJ-01-1-33401	1	65	2	33	.1	35	14	326	2.93	2	5	ND	3	20	1	2	2	68	.76	.041	2	35	1.53	37	.20	3	1.83	.10	.13	1	1
YJ-01-1-33402	1	53	4	39	.1	38	17	461	3.58	2	5	ND	2	46	1	2	2	126	1.60	.039	2	62	2.05	43	.21	6	2.15	.17	.05	1	1
YJ-01-1-33403	1	94	3	46	.1	47	23	464	4.14	6	5	ND	3	46	1	2	2	121	2.99	.038	2	55	1.48	46	.27	10	4.63	.08	.09	2	1
YJ-01-1-33404	1	89	2	39	.1	52	18	428	3.63	2	5	ND	2	230	1	2	2	115	1.60	.032	2	60	1.50	79	.33	7	3.08	.12	.08	1	3
YJ-01-1-33405	1	44	2	30	.1	32	14	378	2.89	2	5	ND	1	29	1	2	2	95	1.40	.038	2	51	1.08	32	.32	2	1.91	.13	.09	2	1
YJ-01-1-33406	1	39	2	33	.1	77	10	231	2.04	4	5	ND	3	22	1	2	2	73	.46	.046	10	33	.53	58	.15	2	1.30	.03	.06	1	1
YJ-01-1-33407	1	22	4	14	.1	1316	55	889	3.20	22	5	ND	2	52	1	2	2	9	4.36	.002	2	120	9.56	4	.01	5	.11	.01	.01	1	1
YJ-01-1-33408	1	1	2	6	.3	62	3	1058	.38	11	5	ND	1	494	1	2	2	5	25.68	.006	6	56	.35	5	.01	2	.20	.01	.01	2	1
YJ-01-1-33409	1	47	2	31	.1	32	13	343	2.65	2	5	ND	2	70	1	2	2	79	1.45	.033	2	38	1.09	55	.24	2	2.57	.14	.10	1	1
YJ-01-1-33410	1	74	2	14	.2	1238	51	869	3.92	10	5	ND	2	12	1	2	2	69	.55	.003	2	958	7.36	23	.01	12	.60	.01	.01	1	5
STD C/AU-R	20	51	40	155	7.1	67	29	1110	4.06	40	19	8	40	55	19	18	19	61	.48	.095	41	58	.89	182	.07	40	1.90	.06	.14	13	520



- LEGEND
- LITHOLOGIES
- 1 BASALT
 - 2 DIORITIC (ALTERED ULTRAMAFIC -ULTRAFIC)
 - 3 COMPLETELY ALTERED (SILICA-CARBONATE-MAFIC/ULTRAMAFIC)
 - 4 MAFIC INTERTIVE AL. GNEISS
 - 5 FELDSPAR PORPHYRY
 - 6 VESICITE
 - 7 DIORITE
 - 8 GNEISS/QUARTZ
 - 9 ANORTITE - QUARTZITE (ALTERED ULTRAMAFIC)
 - 10 GRANITE
 - 11 GRANITIC GNEISS
 - 12 ANORTITE
 - 13 GNEISS
 - 14 LIMESTONE
- SYMBOLS
- A GROUND CONTROL (DIP/SLIP)
 - B SCARPER
 - C STRIKE
 - D STRIKE SLIP
 - E THREAT
 - F FAULT
 - G SAMPLE POINT
 - H ROAD
 - I FENCE
 - J LAND LINE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,543

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

YJ-5 (CLAIM) PROPERTY : GEOLOGY

WITH SAMPLE LOCATIONS AND GOLD GEOCHEMISTRY

DRAWN	DATE	FILE CODE
REVISION		

