GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,821

SUMMARY REPORT; RECONNAISSANCE
GEOLOGICAL MAPPING AND LITHOGEOCHEMICAL
SAMPLING PROGRAMS ON THE
JACK 29 CLAIM AND SURROUNDING
AREA, ATLIN MINING DIVISION,
BRITISH COLUMBIA

NTS: 104N.12E

LATITUDE: 59° 35' NORTH

LONGITUDE: 133°41' WEST

OWNER: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.

OPERATOR: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.

BY: DUNCAN MCIVOR

DATE: DECEMBER 1987

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

1. SUMMARY AND RECOMMENDATIONS

The Jack 29 claim is located 1.5 kilometers due east of the town of Atlin in Northwestern British Columbia. In July 1987, Homestake Mineral Development Company completed a reconnaissance scale geological mapping and lithogeochemical sampling program over the claim.

Outcrop exposure constituted less than 1% of the property area, all of which occurred in the extreme northwest corner of the claim.

All encountered outcrops were argillaceous sediments of the Cache Creek Group, which are believed to underlie the majority of the claim. Six samples collected from the encountered outcrops failed to return anomalous precious metal or associated trace element values. No further work is recommended. Total incurred expenditures by Homestake Mineral Development Company for the brief program were $965.50.

2. INTRODUCTION

2.1 Location, Access and Physiography

The Jack 29 claim is located 1.5 kilometers due east of the town of Atlin, northwestern British Columbia (see Figures 1 and 2). The claim is in the Atlin Mining Division, on NTS map sheet 104N.12E.

The property is readily accessible, with the Surprise Lake Road extending east from Atlin across the southern portion of the claim, and the Whitehorse Road extending north from Atlin to cross the extreme northwest corner of the claim.

Outcrop exposure on the claim is minimal (less than 1%), all of which occurs in the northwest corner of the property proximal to the Whitehorse Road. The majority of the claim is covered by a large spruce swamps, and in the western portion of the property, an open bog which hydromagnesite is currently precipitating.

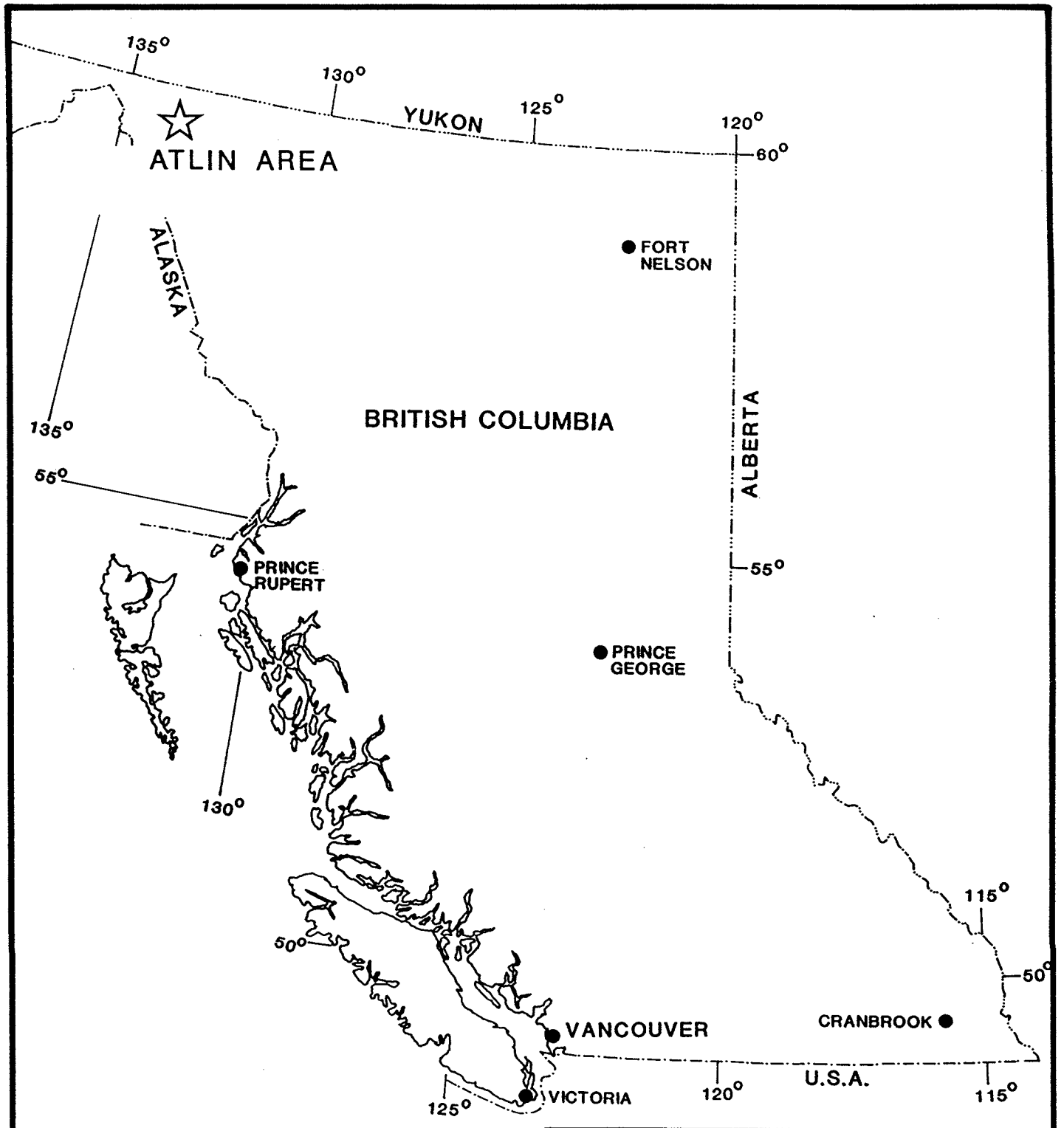
Relief on the property is minimal, rarely exceeding 10 meters.

2.2 Property Definition

The Jack 29 claim, comprised of 6 units (2E, 3S), was recorded on October 2, 1986 (Rec. No. 2750). The claim is truncated by a Mineral Reserve to the south and east, and two Crown Grants (L905, L906) not owned by Homestake Mineral Development Company occupy the west-central portion of the claim.

The Jack 29 claim is owned and operated by Homestake Mineral Development Company. All work described in this report was carried out by HMDC.

No record of previous exploration activity on the claim exists, other than that completed by HMDC in 1986.

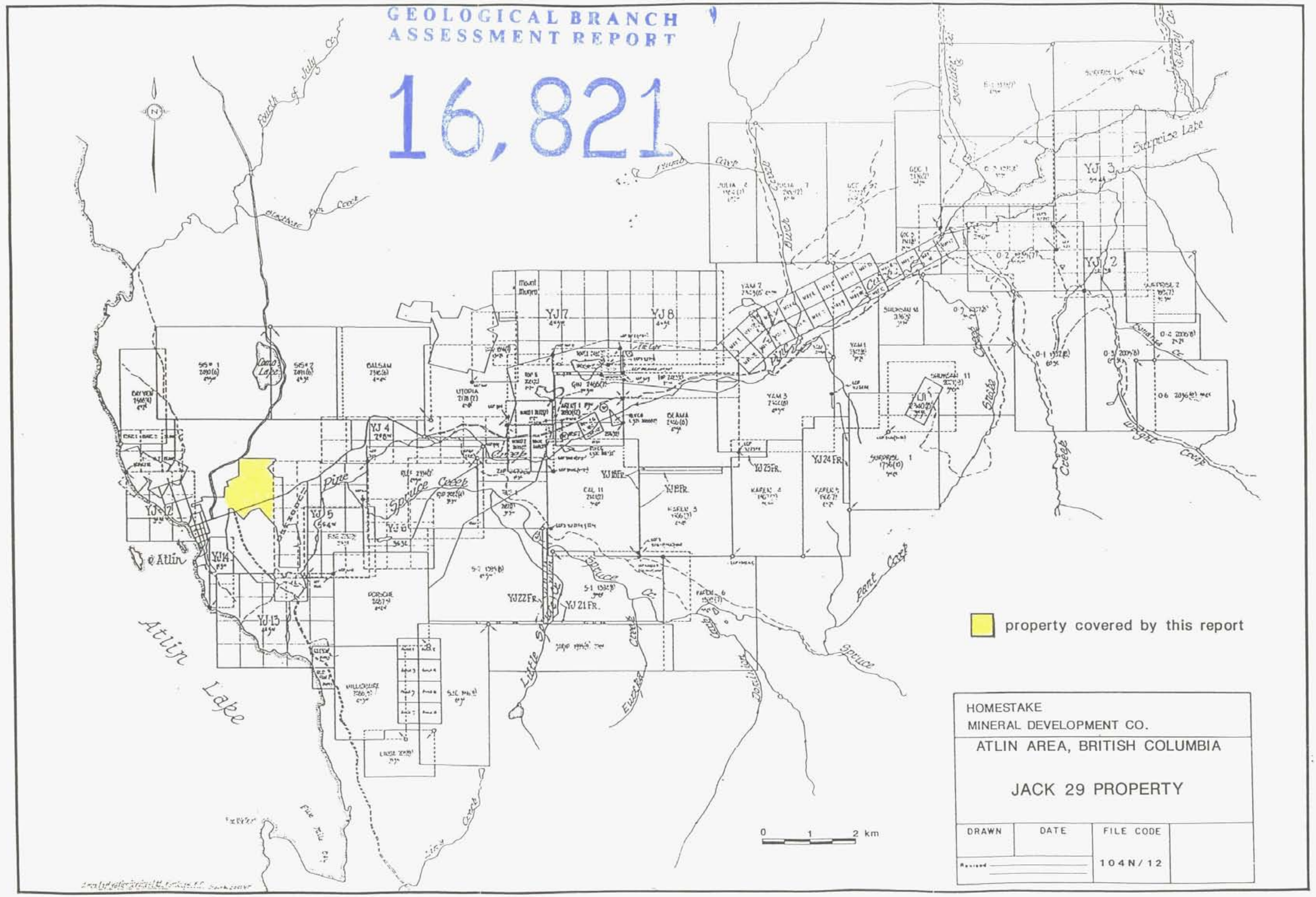


HOMESTAKE MINERAL DEVELOPMENT COMPANY

ATLIN PROJECTS BRITISH COLUMBIA

LOCATION MAP

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

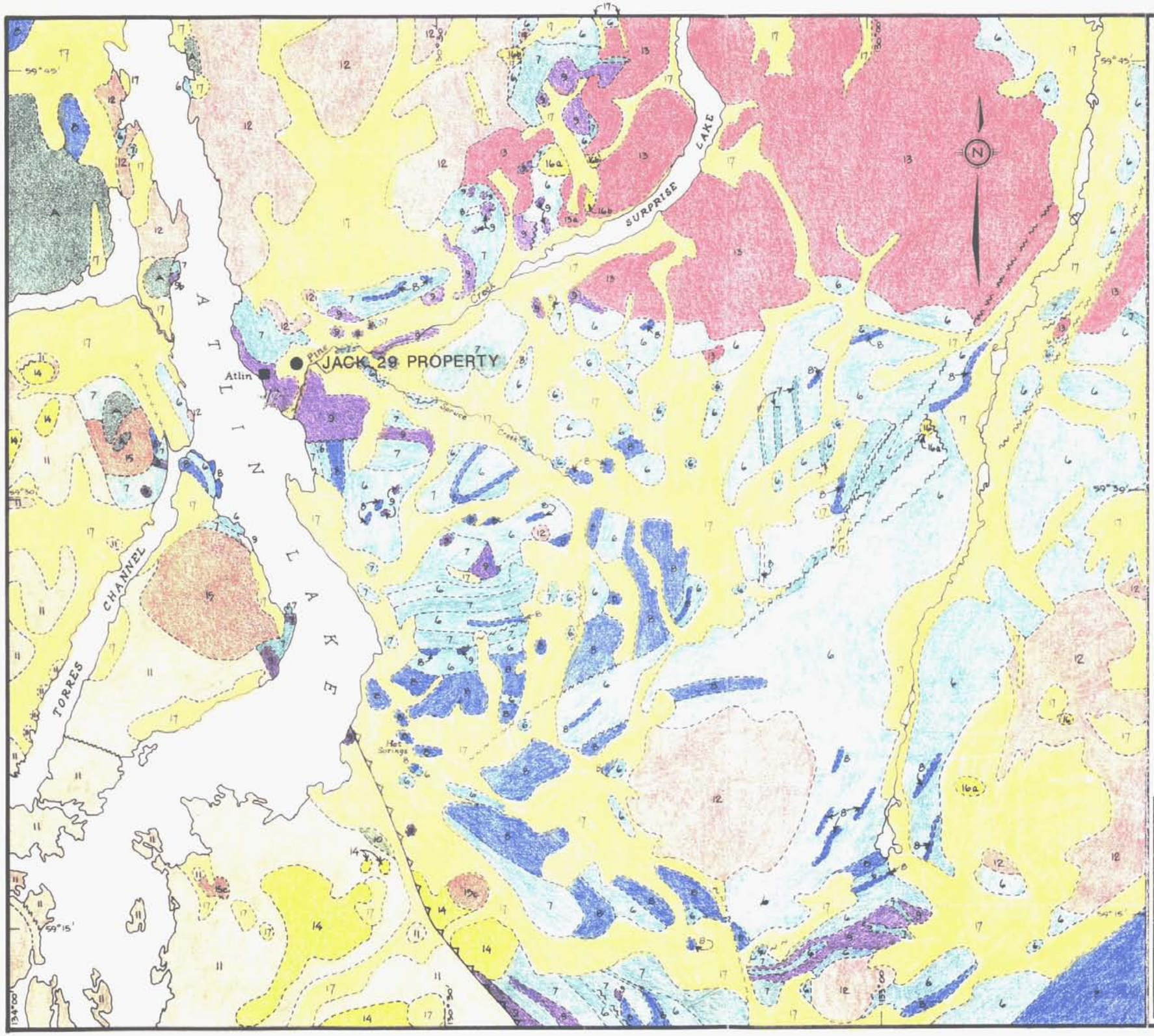


HOMESTAKE
MINERAL DEVELOPMENT CO.

ATLIN AREA, BRITISH COLUMBIA

JACK 29 PROPERTY

DRAWN	DATE	FILE CODE	
Revised		104N/12	



LEGEND

CENOZOIC
QUATERNARY
PLEISTOCENE AND RECENT

17 GLACIAL DRIFT ; ALLUVIUM

TERTIARY AND QUATERNARY

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

TERTIARY (?)

15 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

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

8 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

7

6

A 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

Revised

2.3 Work Completed

During the period July 14 through 15, 1987, HMDC personnel completed approximately 4 kilometers of geological traverses on the property, employing hip-chain and compass emplaced flag-lines for control. In the course of mapping, 6 samples were collected and subsequently analyzed for a suite of 30 elements.

2.4 General Geological Setting and Economic Assessment

The Jack 29 claim lies near the western edge of the northwest trending Atlin Terrane, which is underlain by upper Paleozoic oceanic crustal rocks (Monger, 1975). It is correlated with the Cache Creek Group of rocks in southern and central British Columbia.

Within the Atlin Terrane, intermediate to mafic flows are overlain by cherts, immature clastic sediments, 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 places extensively hydrothermally altered to a silica-carbonate and mariposite/fuchsite "listwanite" like assemblage.

The Jack 29 claim, with its very limited exposure, appears to be underlain by rocks of the Cache Creek Group.

The majority of known lode gold mineralization within the Atlin camp is associated with intensely altered (silica-carbonate-mariposite) 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/quartz-carbonate veins and vein stockworks within these altered packages of rocks, occurring as both often spectacular free gold, or in intimate association with gangue sulphides such as pyrite, arsenopyrite, chalcopyrite, sphalerite, galena and, sulphosalts such as tetrahedrite and pyrargyrite.

The economic potential of the Jack 29 claim is poorly understood, due to limited outcrop exposure and lack of detailed geophysical coverage.

3. DETAILED TECHNICAL DATA

3.1 Geological Mapping

3.1.1. Methods Employed

As mentioned, approximately 4 kilometers of geological reconnaissance mapping traverses were completed on the property.

A flagged baseline was established along the northern boundary of the property, extending 800 meters east of the Legal Corner Post, from which traverses extended south for 1,000 meters at 200 meter intervals.

All encountered outcrops were mapped with a view towards establishing their lithology, structural orientation, and the presence of any significant alteration, veining or mineralization. In addition to mapping outcrops encountered on the property, any outcrops proximal to the property were similarly mapped to provide additional much needed stratigraphic information. The results of the mapping appear in Appendix 1, as a 1:5000 Geology Plan Map of the property.

3.1.2. Results and Interpretation

The only exposures encountered during mapping were situated in the extreme northwest corner of the property, where several exposures of argillite were encountered. The argillite, predominantly siliceous to cherty, was characteristically black to gray, aphanitic, and contained only trace amounts of sulphide mineralization or secondary quartz veining. Bedding directions were difficult to ascertain, as bedding was very poorly developed within the argillites, and often where present, very tectonically disturbed. The most prominant direction observed was 120° with vertical to sub-vertical dips.

This member of the Cache Creek Group has little or no economic potential, historically, in the Atlin area. It is uncertain as to what degree the argillites underly the remainder of the property, but the airborne magnetic data (Ronning 1986) indicates that the property is uniformly a moderate magnetic low, that may be an expression of this lithology.

3.2 Lithogeochemical Sampling

3.2.1. Methods Employed

In the course of mapping, six samples were collected and forwarded to Acme Analytical Laboratories in Vancouver for multi-element ICP geochemical analysis and Au analysis by conventional AA technique.

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

3.2.2. Results and Interpretation

None of the 6 samples collected in the course of mapping returned significantly anomalous gold or trace-element values, re-affirming the geological interpretation of the property potential as being limited.

4. ITEMIZED COST STATEMENTS AND ALLOCATION OF EXPENDITURES

Field Costs

Salaries and Wages

P. Southham,	July 14, 15 2 days @$85/day.....	$170.00
J. Bozek,	July 14, 15 2 days @$85/day.....	$170.00
	Sub Total	$340.00
	+ 20% Overhead and Benefits.....	$ 68.00
	TOTAL SALARIES AND WAGES	$408.00

Meals and Lodging

@ $50/day per man, x 4 man days.....	$200.00

Vehicle Costs

- one 4 x 4 suburban, 2 days fuel and maintenance, @$25/day.....	$ 50.00

Analytical Costs

- 6 samples @$15.75/sample.....	$ 94.50

Miscellaneous Equipment Costs

- topfil, flagging, sample bags, etc.....	$ 50.00
TOTAL FIELD COSTS	$802.50

Drafting and Report Preparation Costs

Salaries

D. McIvor.....1 day @$115/day.....	$115.00
+ 20% Overhead and Benefits.....	$ 23.00
	$138.00

Miscellaneous Costs

- reproduction costs, drafting material costs, etc.....	$ 25.00
TOTAL DRAFTING AND REPORT COSTS	$163.00
TOTAL COSTS	$965.50

Allocation of Expenditures

The expenditures outlined in this report are to be applied to the Jack 29 claim. Note that the claim already has $642.70 of assessment credit, and thus, with this report ($965.50), a total of $1,608.20. The 6 unit claim, recorded in October of 1986, will therefore be in good standing until October of 1988.

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

6. SELECTED BIBLIOGRAPHY

Aitken, J.D.

1959: Atlin map area, B.C. Geological Survey of Canada, Memoir 307.

B.C. Department of Mines Annual Report:
1901, p. 757 - 759
1902, p. 984
1903, p. H38
1904, p. H44
1905, p. G77 - 78
1933, p. A78 - A79

Larkin, Curtin and Hubert

1974: The Geochemistry of Gold in the weathering cycle, U.S. Geological Survey Bull 1330.

Monger, J.W.H.

1975: Upper Paleozoic rocks of the Atlin Terrane, Northwestern British Columbia and South-Central Yukon; Geological Survey of Canada, Paper 74-7.

Ronning, P.A.

1986: Summary Report; Diamond Drilling and Geophysical work, Arent 1 and Arent 2, Beama and Adjacent Claims, North and South Claim Groups, Yellowjacket Property, Atlin Mining Division. HMDC assessment report on file at the B.C. Ministry of Mines.

DMc/mm

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

MASTER
nts: ATLIN DISTRICT
11.BC.104N.13.
PAN.

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 29 1987 DATE REPORT MAILED: Aug 5/87 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER

HOMESTAKE MINERALS PROJECT-BR-5710 File # 87-2828 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
BR-02-1-36332	2	1	2	34	.1	1726	67	630	4.53	53	12	ND	1	2	1	2	2	12	.22	.008	2	421	23.70	7	.01	43	.10	.01	.01	1	2
BR-02-1-36333	1	76	8	79	.5	23	27	1099	8.24	45	9	ND	1	69	1	2	2	52	3.20	.089	2	10	2.19	37	.01	2	.60	.01	.19	1	15
BR-02-1-36334	1	2	2	6	.1	325	12	269	1.20	15	7	ND	1	84	1	3	2	3	1.77	.002	2	58	5.03	3	.01	2	.02	.01	.02	1	5
BR-02-1-36402	2	2	2	15	.2	959	39	573	3.61	347	5	ND	1	13	1	2	4	8	.41	.004	2	221	16.26	6	.01	2	.06	.01	.04	1	1
BR-02-1-36403	1	2	2	11	.1	829	35	492	3.27	92	5	ND	1	6	1	2	3	10	.19	.004	2	187	16.55	9	.01	2	.03	.01	.03	1	1
PA-01-1-36326	1	29	2	43	.1	26	6	276	1.68	6	5	ND	3	3	1	2	2	37	.07	.015	7	25	.80	332	.07	2	1.00	.03	.42	1	1
PA-01-1-36327	1	64	3	168	.5	26	10	709	3.78	2	6	ND	1	255	1	3	2	94	1.96	.072	2	57	2.02	92	.24	2	4.46	.22	1.51	2	1
PA-01-1-36414	1	18	2	26	.1	9	2	383	2.24	2	5	ND	5	5	1	2	2	43	.02	.012	12	38	.98	388	.16	2	1.42	.03	.88	1	2
PA-01-1-36415	1	33	2	9	.1	5	1	89	1.66	3	5	ND	2	4	1	2	2	12	.04	.019	3	10	.22	33	.01	2	.33	.02	.08	1	1
PA-01-1-36416	2	40	2	18	.1	11	4	161	1.44	2	5	ND	1	2	1	2	2	17	.07	.024	3	10	.46	41	.01	2	.53	.02	.09	1	1
PA-01-1-36417	20	33	3	11	.1	9	1	187	.83	2	6	ND	2	1	1	2	3	45	.07	.028	4	11	.12	9	.05	2	.20	.02	.04	1	1
PA-01-1-36418	1	48	5	23	.1	15	4	341	.90	4	5	ND	1	14	1	2	2	10	.12	.006	2	8	.27	117	.02	2	.55	.01	.14	1	38
PA-01-1-36419	1	4	9	23	.1	2	1	168	.91	5	5	ND	38	1	1	2	3	2	.02	.006	7	2	.05	14	.01	2	.32	.04	.09	1	1
PA-01-1-36420	5	118	2	107	.2	66	11	263	2.71	2	5	ND	4	4	1	2	2	94	.05	.014	7	55	.72	74	.10	2	1.38	.04	.51	1	2
PA-01-1-36421	1	36	2	36	.2	1262	54	404	3.93	11	5	ND	1	4	1	2	4	41	.08	.027	2	712	10.86	4	.02	5	1.05	.01	.01	1	1
PA-01-1-36422	1	20	5	47	.1	1693	70	618	5.41	23	5	ND	1	5	1	2	3	19	.10	.005	2	600	16.85	28	.01	14	.40	.01	.01	1	3
PA-01-1-36423	1	66	4	25	.2	40	4	146	1.42	5	7	ND	2	12	1	2	2	33	.09	.010	3	29	1.44	316	.06	50	.59	.05	.15	1	1
PA-01-1-36424	3	19	3	64	.1	22	2	245	1.92	4	5	ND	4	7	1	2	2	38	.05	.025	9	36	1.26	553	.11	2	1.29	.04	.76	1	1
PA-01-1-36425	1	2	2	38	.1	1665	54	347	3.20	836	5	ND	1	1	1	13	3	3	.02	.004	2	88	15.24	12	.01	8	.06	.01	.01	1	140
PA-01-1-36426	1	29	3	39	.1	21	8	211	2.34	2	7	ND	1	49	1	2	2	78	.69	.078	4	60	.85	331	.24	2	1.54	.16	.78	1	1
PA-01-1-36427	1	2	8	41	.1	20	1	314	1.21	6	5	ND	45	1	1	2	2	4	.07	.009	13	4	.22	18	.05	2	.38	.04	.26	1	1
PA-01-1-36428	2	2	2	105	.2	436	36	671	6.30	5	5	ND	2	53	1	4	4	100	2.98	.193	7	671	9.04	51	.03	2	5.10	.01	.04	3	1
PA-01-1-36429	1	90	3	16	.1	1137	43	291	1.95	37	5	ND	1	20	1	2	2	8	1.78	.004	2	433	3.73	24	.01	14	.24	.01	.01	1	2
PA-01-1-36430	1	47	5	37	.3	1078	51	576	3.79	46	5	ND	1	22	1	3	2	36	2.04	.015	2	818	5.44	27	.01	18	.72	.01	.01	2	1
PA-01-1-36451	3	41	2	31	.1	39	13	174	2.67	4	5	ND	3	19	1	2	2	87	.49	.030	4	64	1.13	347	.16	2	1.51	.15	.61	1	1
PA-01-1-36452	2	6	23	50	.1	7	1	24	.10	9	9	ND	1	126	1	2	2	3	.17	.012	2	4	22.00	23	.01	36	.06	.01	.01	1	1
PA-01-1-36453	4	5	2	8	.2	2	1	22	.51	27	5	ND	1	6	1	3	2	4	.02	.013	2	3	.01	30	.01	2	.06	.01	.03	1	12
PA-01-1-36454	1	1	2	11	.3	3	1	31	.15	3	11	ND	1	438	1	3	5	2	37.08	.012	2	4	.49	30	.01	36	.02	.01	.01	4	1
PA-01-1-36455	1	1	3	4	.1	1	1	33	.14	2	5	ND	1	734	1	3	6	1	40.14	.003	2	2	.22	35	.01	2	.01	.01	.01	5	1
PA-01-1-36456	1	2	2	15	.1	1	1	54	.14	3	5	ND	1	246	1	5	3	1	36.66	.020	3	4	1.99	44	.01	2	.01	.01	.01	5	2
PA-01-1-36457	1	1	5	6	.1	1	1	33	.17	3	5	ND	1	588	1	3	7	1	40.19	.004	5	1	.37	27	.01	2	.03	.02	.02	3	1
PA-01-1-36458	1	2	2	16	.1	2	1	61	.16	4	5	ND	1	223	1	7	4	2	34.85	.019	2	3	3.66	30	.01	2	.02	.01	.01	3	1
PA-01-1-36459	1	2	2	13	.1	1	1	50	.14	3	5	ND	1	273	1	5	3	1	38.12	.034	3	2	1.25	23	.01	2	.02	.01	.01	4	2
PA-01-1-36460	1	62	3	34	.1	34	15	333	2.85	2	5	ND	1	18	1	2	2	60	1.93	.036	2	20	1.06	65	.32	2	1.26	.01	.15	1	1
PA-01-1-36461	1	1	2	23	.2	2	1	69	.17	3	5	ND	1	567	1	8	6	2	31.88	.029	3	3	5.54	45	.01	2	.01	.01	.01	4	1
PA-01-1-36462	1	33	2	30	.1	1549	59	558	4.29	4	5	ND	1	7	1	2	2	23	.41	.003	2	901	17.40	3	.01	32	.48	.01	.01	1	1
STD C/AU-R	20	58	42	132	7.7	70	29	958	4.12	40	17	8	39	51	19	15	20	60	.51	.089	39	61	.90	183	.08	34	1.79	.06	.14	12	500

JACK 29 GEOCHEM

JACK 29 GEOCHEM

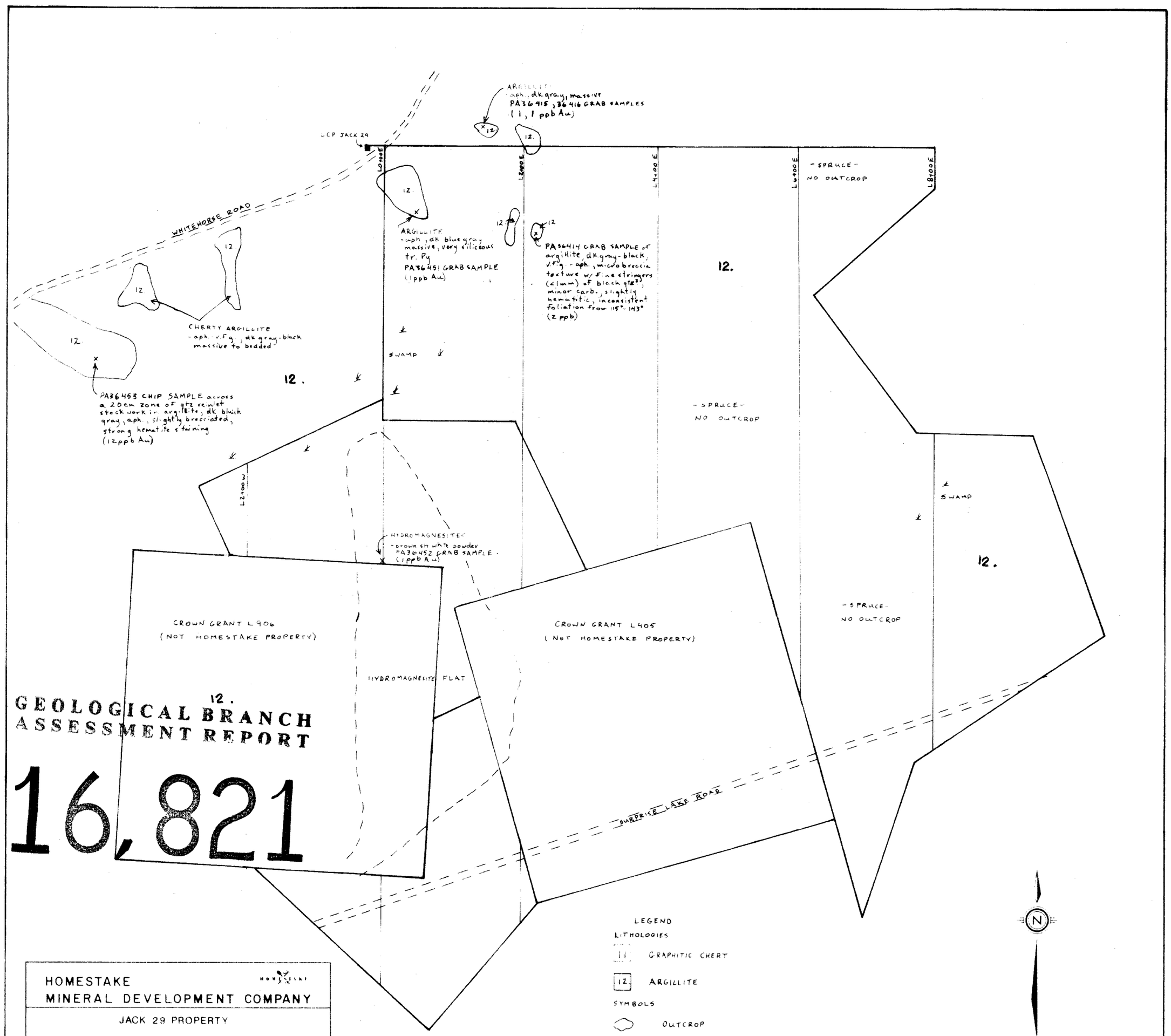
ARIS SUMMARY SHEET

District Geologist, Smithers — Off Confidential: 88.07.16

ASSESSMENT REPORT 16821 — MINING DIVISION: Atlin

PROPERTY: Jack
LOCATION: LAT 59 35 11 LONG 133 41 00
UTM 08 6605879 574355
NTS 104N12E
CLAIM(S): Jack 29
OPERATOR(S): Homestake Min. Dev.
AUTHOR(S): McIvor, D.F.
REPORT YEAR: 1987, 12 Pages
GEOLOGICAL
SUMMARY: Argillaceous sediments of the Permian-Pennsylvanian Cache Creek Group underly the majority of the property. No significant alteration or mineralization was encountered during mapping.

WORK
DONE: Geological
GEOL 150.0 ha
ROCK 6 sample(s) ;ME



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,821

LEGEND

LITHOLOGIES

11 GRAPHITIC CHERT

12. ARGILLITE

SYMBOLS

OUTCROP

x PA36414 SAMPLE POINT

ROAD

TOPOGRAPHIC/GEOMORPHOLOGICAL FEATURE

N

SCALE 1:5000

0 50 100 150 200 metres

HOMESTAKE MINERAL DEVELOPMENT COMPANY			
JACK 29 PROPERTY			
GEOLOGY AND GOLD GEOCHEMISTRY			
DRAWN PS	DATE 11/87	FILE CODE	
Revised			

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: MAY 1 1987

DATE REPORT MAILED: May 6/87.

GEOCHEMICAL ICP ANALYSIS

.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 CA P CR MG BA TI B AL NA K W SI ZR CE SN Y NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Pulp AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: . DEAN TOYE, CERTIFIED B.C. ASSAYER

SWIFT MINERALS File # 87-0952R Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
9+00N 0+00E	95	14	96	.1	13	5
9+00N 0+25E	44	14	55	.3	2	4
9+00N 0+50E	28	12	46	.1	5	2
9+00N 0+75E	30	15	42	.1	5	13
9+00N 1+00E	98	13	74	.1	11	1
9+00N 1+25E	50	11	72	.1	5	3
9+00N 1+50E	17	12	24	.1	7	6
9+00N 1+75E	70	9	93	.3	16	7
9+00N 2+00E	37	15	43	.2	12	10
9+00N 2+25E	58	10	59	.1	10	8
9+00N 2+50E	64	11	63	.3	9	7
9+00N 2+75E	26	11	28	.1	10	3
9+00N 3+00E	70	16	64	.4	9	210
9+00N 3+25E	24	15	39	.4	9	1
9+00N 3+50E	45	14	60	.1	9	4
9+00N 3+75E	109	13	63	.4	9	15
9+00N 4+00E	49	15	43	.1	15	14
9+00N 4+25E	69	14	48	.1	11	1
9+00N 4+50E	26	7	39	.2	9	1
9+00N 4+75E	52	14	52	.1	10	10
9+00N 5+00E	61	12	94	.3	2	1
9+00N 5+25E	75	11	72	.3	8	2
9+00N 5+50E	66	13	95	.2	11	4
9+00N 5+75E	68	14	72	.2	11	11
8+00N 5+00W	55	13	83	.1	3	1
8+00N 4+75W	23	12	71	.2	6	2
8+00N 4+50W	69	13	101	.1	13	2
8+00N 4+25W	17	10	51	.1	5	4
8+00N 4+00W	16	12	53	.1	2	295
8+00N 3+75W	53	13	67	.1	5	2
8+00N 3+50W	7	6	22	.1	2	5
8+00N 3+25W	14	13	43	.1	4	2
8+00N 3+00W	91	16	85	.3	10	3
8+00N 2+75W	30	14	57	.1	2	1
8+00N 2+50W	22	13	57	.2	2	4
8+00N 2+25W	22	10	65	.1	3	1
STD C/AU-S	58	37	133	7.3	44	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
8+00N 2+00W	16	12	44	.1	5	22
8+00N 1+75W	13	9	37	.1	2	1
8+00N 1+50W	11	10	31	.2	2	2
8+00N 1+25W	32	13	60	.2	2	1
8+00N 1+00W	16	10	43	.1	2	4
8+00N 0+75W	23	11	48	.1	6	1
8+00N 0+50W	37	15	48	.2	10	3
8+00N 0+25W	73	11	56	.1	9	6
8+00N 0+00E	41	12	64	.1	2	3
8+00N 0+25E	46	14	57	.2	3	8
8+00N 0+50E	24	16	39	.1	4	4
8+00N 0+75E	29	13	58	.2	7	1
8+00N 1+00E	27	17	52	.2	4	3
8+00N 1+25E	62	13	100	.6	2	24
8+00N 1+50E	29	15	44	.1	9	1
8+00N 1+75E	59	12	74	.3	9	2
8+00N 2+00E	48	13	85	.3	10	72
8+00N 2+50E	32	13	73	.1	6	11
8+00N 2+75E	81	14	95	.2	10	176
8+00N 3+00E	39	18	55	.1	9	2
8+00N 3+25E	55	11	63	.3	7	9
8+00N 3+50E	77	16	82	.4	5	2
8+00N 3+75E	57	12	84	.1	10	1
8+00N 4+00E	49	13	76	.1	7	1
8+00N 4+25E	43	11	69	.3	4	32
8+00N 4+50E	41	12	30	.1	11	1
8+00N 4+75E	62	13	88	.6	9	1
8+00N 5+00E	49	13	55	.1	12	6
8+00N 5+25E	38	11	34	.5	15	1
8+00N 5+50E	44	14	31	.2	7	6
7+00N 5+00W	39	9	98	.1	4	2
7+00N 4+75W	27	12	77	.2	6	2
7+00N 4+50W	36	13	79	.1	7	1
7+00N 4+25W	17	11	56	.1	4	5
7+00N 4+00W	64	13	69	.1	6	4
7+00N 3+75W	38	12	77	.1	2	11
STD C/AU-S	58	41	135	7.0	42	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
7+00N 3+50W	86	6	83	.1	2	21
7+00N 3+25W	30	8	68	.1	2	2
7+00N 3+00W	40	9	69	.1	2	4
7+00N 2+75W	10	17	38	.1	2	3
7+00N 2+50W	21	15	69	.1	2	6
7+00N 2+25W	44	9	80	.1	2	2
7+00N 2+00W	18	9	43	.1	2	3
7+00N 1+75W	72	10	79	.1	2	26
7+00N 1+50W	32	8	82	.1	2	5
7+00N 1+25W	44	10	74	.2	2	1
7+00N 1+00W	68	11	83	.1	4	2
7+00N 0+75W	75	9	78	.3	3	2
7+00N 0+50W	45	8	71	.2	2	2
7+00N 0+25W	36	6	64	.1	3	3
7+00N 0+00E	36	7	53	.1	2	2
7+00N 0+25E	27	9	43	.1	2	1
7+00N 0+50E	61	9	82	.2	2	3
7+00N 0+75E	70	11	89	.1	2	4
7+00N 1+00E	60	8	87	.1	6	3
7+00N 1+25E	52	7	75	.1	3	2
7+00N 1+50E	74	13	90	.6	2	14
7+00N 1+75E	71	11	103	.3	10	9
7+00N 2+00E	56	7	98	.3	14	17
7+00N 2+50E	31	6	35	.1	5	26
7+00N 2+75E	39	14	61	.6	9	31
7+00N 3+00E	55	8	66	.2	6	4
7+00N 3+25E	61	8	84	.1	3	4
7+00N 3+50E	106	9	98	.2	6	8
7+00N 3+75E	24	11	57	.1	7	2
7+00N 4+00E	70	6	78	.4	7	3
7+00N 4+25E	31	11	44	.3	7	14
7+00N 4+75E	85	6	139	.3	6	10
7+00N 5+00E	51	10	78	.3	3	5
6+00N 2+50W	62	13	78	.1	2	3
6+00N 2+25W	38	11	67	.2	2	4
STD C/AU-S	60	43	135	7.0	43	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
6+00N 2+00W	38	5	64	.1	2	13
6+00N 1+75W	10	2	28	.1	2	1
6+00N 1+50W	22	14	71	.3	3	3
6+00N 1+25W	23	5	45	.1	2	1
6+00N 0+75W	16	8	48	.1	2	2
6+00N 0+50W	16	5	48	.1	2	2
6+00N 0+25W	32	6	91	.1	2	1
6+00N 0+00E	59	6	75	.1	5	1
6+00N 0+50E	37	7	60	.1	8	2
6+00N 0+75E	47	7	83	.2	6	1
6+00N 1+00E	81	6	84	.1	6	2
6+00N 1+25E	36	6	68	.1	8	4
6+00N 1+50E	63	4	77	.1	4	1
6+00N 1+75E	49	7	60	.1	2	1
6+00N 2+00E	64	4	89	.1	2	4
6+00N 2+50E	25	7	47	.1	13	3
6+00N 2+75E	66	8	98	.6	2	24
6+00N 3+00E	62	7	91	.6	5	13
6+00N 3+25E	55	9	84	.2	23	2
6+00N 3+50E	53	4	70	.2	6	9
6+00N 3+75E	64	4	67	.2	2	1
6+00N 4+00E	68	10	75	.5	7	3
6+00N 4+25E	43	7	74	.2	11	2
6+00N 4+50E	64	4	79	.2	9	24
6+00N 4+75E	50	8	66	.3	9	3
6+00N 5+00E	48	14	54	.1	8	1
5+00N 0+00E	59	10	86	.2	3	16
5+00N 0+25E	34	9	56	.1	2	2
5+00N 0+50E	23	3	47	.1	2	3
5+00N 0+75E	77	4	68	.2	3	9
5+00N 1+00E	55	11	78	.2	2	3
5+00N 1+25E	56	6	87	.1	2	3
5+00N 1+50E	20	10	17	.1	2	14
5+00N 1+75E	58	7	51	.2	4	6
5+00N 2+00E	59	12	86	.2	17	2
STD C/AU-S	58	35	132	6.8	38	48

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
5+00N 2+25E	28	7	34	.1	2	2
5+00N 2+50E	15	5	34	1.1	2	11
5+00N 2+75E	101	6	84	.6	11	13
5+00N 3+00E	34	8	45	.1	2	3
5+00N 3+25E	55	9	32	.3	2	4
5+00N 3+50E	101	9	93	.8	9	5
5+00N 3+75E	96	7	92	.2	6	8
5+00N 4+00E	71	10	89	.3	2	4
5+00N 4+25E	29	8	59	.3	2	142
5+00N 4+50E	49	9	97	.1	11	6
5+00N 4+75E	79	7	103	.1	3	10
4+00N 0+00E	52	11	82	.1	2	9
4+00N 0+25E	31	9	35	.1	3	11
4+00N 0+50E	66	11	62	.2	2	7
4+00N 0+75E	28	12	27	.1	2	1
4+00N 1+25E	44	8	40	.1	2	1
4+00N 1+50E	38	7	37	.1	2	1
4+00N 1+75E	36	6	58	.1	2	3
4+00N 2+00E	29	11	30	.1	2	1
4+00N 2+25E	31	13	27	.1	2	1
4+00N 2+50E	27	12	19	.1	2	1
4+00N 2+75E	73	11	78	.1	14	6
4+00N 3+00E	50	7	52	.1	5	4
4+00N 3+25E	89	9	89	.3	8	5
4+00N 3+50E	44	9	64	.1	2	9
4+00N 3+75E	25	7	29	.1	2	11
4+00N 4+00E	47	7	64	.3	2	3
4+00N 4+25E	35	8	30	.2	2	1
3+00N 0+25E	40	8	45	.1	4	9
3+00N 0+75E	38	5	54	.2	2	4
3+00N 1+00E	25	11	20	.1	2	7
3+00N 1+25E	21	8	22	.1	3	5
3+00N 1+50E	43	9	31	.1	2	26
3+00N 1+75E	46	10	41	.1	5	3
3+00N 2+00E	22	10	26	.1	2	1
STD C/AU-S	57	37	130	6.6	41	52

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
3+00N 2+25E	120	10	72	.1	10	4
3+00N 2+50E	33	17	25	.2	11	5
3+00N 2+75E	57	14	71	.2	26	7
3+00N 3+00E	67	9	61	.3	14	1
3+00N 3+25E	32	17	56	.2	9	5
3+00N 3+50E	48	9	48	.3	8	2
3+00N 3+75E	29	12	29	.1	8	1
3+00N 4+00E	21	16	28	.2	3	31
3+00N 4+25E	33	12	37	.1	8	1
2+00N 2+00E	9	8	13	.1	7	6
2+00N 2+25E	90	11	66	.4	14	2
2+00N 2+75E	23	9	35	.2	5	1
2+00N 3+00E	26	10	98	.1	7	1
2+00N 3+25E	29	13	87	.1	8	1
2+00N 3+50E	21	9	33	.2	9	9
2+00N 3+75E	16	5	16	.1	6	3
2+00N 4+00E	42	11	38	.8	9	94
1+00N 0+25E	14	10	23	.1	6	11
1+00N 0+50E	19	7	30	.1	3	26
1+00N 0+75E	27	5	17	.1	7	1
1+00N 1+00E	23	7	19	.1	8	1
1+00N 1+25E	29	5	12	.1	9	42
1+00N 1+50E	44	13	67	.4	10	1
1+00N 1+75E	90	9	79	.1	14	28
1+00N 1+75E <A>	84	7	74	.1	8	1
1+00N 2+00E	12	2	9	.1	2	1
1+00N 2+25E	64	8	84	.2	10	1
1+00N 2+50E	69	9	85	.1	9	1
1+00N 2+75E	82	6	74	.1	10	1
1+00N 3+00E	41	7	36	.1	6	1
1+00N 3+25E	23	12	71	.2	6	38
1+00N 3+50E	34	19	45	.4	9	21
BL 1+00N	66	5	53	.2	18	1
BL 0+75N	93	6	57	.3	12	3
BL 0+50N	127	10	74	.3	14	2
BL 0+25N	105	2	60	.1	9	4
BL 0+00N	48	9	51	.1	9	6
STD C/AU-S	59	36	133	6.7	44	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
0+00 0+25E	94	8	73	.1	9	51
0+00 0+50E	59	7	40	.1	11	4
0+00 0+75E	40	10	41	.2	9	7
0+00 1+00E	71	11	65	.5	9	8
0+00 1+25E	47	8	51	.1	5	65
0+00 1+50E	81	7	57	.3	9	6
0+00 1+75E	52	10	44	.3	7	5
0+00 2+00E	40	9	60	.2	7	1
0+00 2+25E	62	6	41	.1	9	6
0+00 2+50E	70	14	46	.2	6	9
0+00 2+75E	24	8	11	.1	4	6
0+00 3+00E	32	13	45	.1	9	2
0+00 3+25E	10	8	10	.1	2	3
0+00 3+50E	42	6	40	.3	5	1
0+00 3+75E	43	8	69	.2	13	1
0+00 4+00E	70	7	81	.3	9	13
0+00 4+50E	72	3	60	.1	7	3
0+00 4+75E	91	12	68	.3	21	1
STD C/AU-S	61	36	136	7.0	42	51

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: MAY 1 1987

DATE REPORT MAILED: May.6/87.

GEOCHEMICAL ICP ANALYSIS

.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 CA P CR MG BA TI B AL NA K W SI ZR CE SN Y NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Pulp AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

SWIFT MINERALS File # 87-1076R Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
18+00N 4+00E	58	5	68	.3	2	1
18+00N 4+25E	41	5	38	.1	2	1
18+00N 4+50E	45	5	57	.1	2	1
18+00N 4+75E	54	14	61	.1	2	1
18+00N 5+00E	31	6	33	.1	4	1
18+00N 5+25E	58	9	55	.2	4	1
18+00N 5+50E	28	10	34	.1	5	1
18+00N 5+75E	33	8	46	.1	3	1
18+00N 6+25E	25	11	32	.1	3	1
18+00N 6+50E	34	6	33	.2	5	1
18+00N 6+75E	17	11	20	.1	2	2
18+00N 7+00E	54	9	45	.2	4	3
18+00N 7+25E	87	10	60	.1	5	9
18+00N 7+50E	112	10	72	.2	4	12
18+00N 7+75E	13	14	26	.1	2	1
18+00N 8+00E	36	13	30	.1	7	7
18+00N 8+25E	151	13	75	.1	6	13
18+00N 8+50E	92	9	82	.1	6	6
18+00N 8+75E	34	6	33	.1	4	1
18+00N 9+00E	30	14	30	.1	7	1
18+00N 9+25E	64	9	67	.2	4	2
15+00N 4+75E	34	8	48	.1	2	1
15+00N 5+00E	43	13	86	.1	3	1
15+00N 5+25E	35	9	41	.1	4	29
15+00N 5+50E	38	10	44	.2	3	6
15+00N 5+75E	28	5	38	.1	5	4
15+00N 6+00E	39	12	38	.1	2	1
15+00N 6+25E	29	7	54	.1	2	43
15+00N 6+50E	18	11	36	.1	3	15
15+00N 6+75E	57	12	69	.1	7	20
15+00N 7+00E	39	7	54	.1	8	6
15+00N 7+50E	88	8	75	.1	4	21
15+00N 7+75E	34	8	56	.2	2	1
15+00N 8+00E	74	7	59	.2	7	69
15+00N 8+25E	93	8	67	.1	7	5
12+00N 1+50E	35	9	95	.1	7	4
STD C/AU-S	61	42	138	7.0	43	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
10+00N 2+00W	15	7	42	.1	6	4
10+00N 1+75W	35	10	42	.1	2	3
10+00N 1+50W	37	11	49	.1	3	8
10+00N 1+25W	47	6	39	.1	4	9
10+00N 1+00W	19	9	29	.1	2	1
10+00N 0+75W	48	9	44	.1	4	1
10+00N 0+50W	29	11	45	.2	6	2
10+00N 0+25W	55	13	64	.1	2	3
10+00N 0+00W	75	12	94	.1	10	5
10+00N 1+00E	38	13	79	.3	9	3
10+00N 1+25E	36	10	75	.1	8	2
10+00N 1+50E	93	11	74	.1	8	7
10+00N 1+75E	41	10	63	.1	4	8
10+00N 2+00E	18	8	27	.1	5	4
10+00N 2+25E	36	7	69	.1	5	5
10+00N 2+50E	37	10	60	.1	14	21
10+00N 2+75E	35	9	66	.2	8	68
10+00N 3+00E	21	10	38	.1	10	215
3+00E 10+00N	70	24	186	.9	43	3
3+00E 9+75N	56	14	121	.1	22	4
3+00E 9+50N	170	18	103	.3	33	17
3+00E 9+25N	71	10	88	.3	22	8
3+00E 9+00N	54	14	111	.2	12	1
3+00E 8+75N	54	12	122	.1	11	7
3+00E 8+50N	32	12	104	.1	15	4
3+00E 8+25N	39	20	99	.1	19	1
3+00E 8+00N	29	13	43	.1	11	3
3+00E 7+75N	59	22	156	.1	26	4
3+00E 7+50N	53	17	145	.1	15	8
3+00E 7+25N	19	7	46	.1	9	3
3+00E 7+00N	15	9	33	.3	7	1
3+00E 6+75N	27	8	50	.1	10	7
3+00E 6+50N	80	11	113	.1	9	3
3+00E 6+25N	90	20	288	.7	22	8
3+00E 5+75N	28	29	83	.2	20	5
3+00E 5+50N	22	13	82	.1	10	1
STD C\AU-S	62	40	140	7.5	38	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
3+00E 5+25N	13	11	50	.2	2	1
3+00E 4+75N	83	14	107	.3	16	3
3+00E 4+50N	73	20	149	.5	27	21
3+00E 4+25N	36	15	68	.1	25	1
3+00E 4+00N	56	16	96	.7	25	2
3+00E 3+75N	22	14	71	.1	26	1
3+00E 3+50N	21	17	67	.3	27	1
3+00E 3+25N	17	9	63	.1	9	1
3+00E 3+00N	60	14	360	.9	44	1
3+00E 2+75N	17	8	109	.2	14	1
3+00E 2+50N	50	14	249	.2	19	1
3+00E 2+25N	53	14	215	.3	10	1
3+00E 2+00N	22	8	50	.3	13	3
3+00E 1+75N	32	17	62	.1	9	5
3+00E 1+50N	63	13	162	.2	8	7
3+00E 1+25N	22	16	48	.1	5	1
3+00E 1+00N	31	13	77	.1	2	11
3+00E 0+75N	64	17	156	.1	14	4
3+00E 0+50N	42	10	82	.1	12	1
3+00E 0+25N	60	13	116	.1	3	1
LA 0+25E	77	11	65	.2	10	5
LA 0+50E	80	12	66	.2	7	280
LA 0+75E	49	15	96	.1	9	19
LA 1+00E	76	14	128	.1	15	4
LA 1+25E	80	13	113	.2	3	1
LA 1+50E	66	10	80	.1	10	1
LA 1+75E	164	13	103	.9	4	10
LA 2+00E	38	12	56	.1	2	7
LA 2+25E	68	12	91	.1	4	1
LA 2+50E	71	7	99	.3	2	43
LA 2+75E	60	13	65	.1	8	1
LA 3+00E	64	11	73	.2	2	1
LC 10+00N 0+25E	40	14	136	.4	13	6
LC 10+00N 0+50E	27	11	71	.1	6	1
LC 10+00N 0+75E	19	10	36	.1	9	1
LC 10+00N 1+00E	15	8	54	.3	10	1
STD C/AU-S	56	39	129	6.8	43	52

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
LC 10+00N 1+25E	50	18	143	.1	24	16
LC 10+00N 1+50E	37	11	90	.2	8	1
LC 10+00N 1+75E	41	11	119	.3	25	1
LC 10+00N 2+00E	34	13	77	.2	2	1
LC 10+00N 2+25E	28	10	192	.3	9	1
LC 10+00N 2+50E	50	18	85	.5	20	2
LC 10+00N 2+75E	53	24	201	.3	20	4
LC 10+00N 3+00E	31	15	59	.2	15	1
LC 10+00N 3+25E	52	11	85	.1	10	1
LC 10+00N 3+50E	77	24	175	2.1	37	15
LC 10+00N 3+75E	60	17	162	.5	13	1
LC 10+00N 4+00E	30	12	72	.1	12	1
LC 10+00N 4+25E	56	14	154	.8	9	1
LC 10+00N 4+50E	63	24	198	1.0	11	1
LC 10+00N 4+75E	21	15	152	.3	2	1
LC 10+00N 5+00E	56	11	111	.2	10	1
LC 8+00N 0+25E	69	21	134	.4	21	1
LC 8+00N 0+50E	24	18	150	.2	9	6
LC 8+00N 0+75E	11	9	38	.1	10	1
LC 8+00N 1+00E	21	12	51	.1	15	16
LC 8+00N 1+25E	34	11	86	.1	21	6
LC 8+00N 1+50E	30	11	122	.5	12	1
LC 8+00N 1+75E	49	23	192	.6	34	17
LC 8+00N 2+00E	119	38	190	.7	43	410
LC 8+00N 2+25E	52	15	169	.4	21	1
LC 8+00N 2+50E	40	17	127	.1	13	4
LC 8+00N 2+75E	52	15	152	.4	18	4
LC 8+00N 3+00E	32	14	114	.5	6	4
LC 8+00N 3+25E	42	12	70	.1	9	1
LC 8+00N 3+50E	28	20	113	.3	13	1
LC 8+00N 3+75E	37	15	136	.5	13	1
LC 8+00N 4+00E	17	18	77	.1	11	1
LC 8+00N 4+25E	23	8	119	.3	6	2
LC 8+00N 4+50E	34	11	106	.1	9	1
LC 8+00N 4+75E	17	12	45	.1	10	1
LC 8+00N 5+00E	39	14	73	.2	35	1
STD C/AU-S	56	38	128	6.9	38	51

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: MAY 1 1987
DATE REPORT MAILED: May. 7/87

GEOCHEMICAL ICP ANALYSIS

.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 CA P CR MG BA TI B AL NA K W SI ZR CE SN Y NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Pulp AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

SWIFT MINERALS File # 87-1056R Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
20+00N 4+25E	10	15	36	.1	7	4
20+00N 4+50E	30	10	58	.2	3	3
20+00N 4+75E	48	12	66	.2	19	16
20+00N 5+75E	70	5	97	.3	10	1
20+00N 6+00E	22	9	61	.2	6	3
20+00N 6+25E	53	15	70	.1	7	6
20+00N 6+50E	28	13	54	.2	5	3
20+00N 6+75E	62	12	77	.1	9	10
20+00N 7+00E	24	5	43	.2	8	3
20+00N 7+25E	20	10	51	.1	2	1
20+00N 7+50E	41	16	63	.1	3	4
20+00N 7+75E	60	13	85	.2	11	6
20+00N 8+00E	59	7	131	.4	6	5
20+00N 8+25E	75	12	78	.3	19	3
20+00N 8+50E	101	16	91	.1	14	3
20+00N 8+75E	73	8	89	.2	10	11
20+00N 9+00E	27	16	57	.1	5	4
20+00N 9+25E	65	10	74	.1	4	5
20+00N 9+50E	54	14	80	.3	5	1
20+00N 9+75E	62	16	75	.3	6	6
16+00N 4+25E	55	8	65	.1	9	25
16+00N 4+50E	73	13	92	.2	12	3
16+00N 4+75E	60	10	80	.1	4	2
16+00N 5+00E	46	9	57	.1	3	8
16+00N 5+25E	104	12	78	.1	7	16
16+00N 5+50E	109	12	86	.1	8	5
16+00N 5+75E	62	18	82	.1	2	14
16+00N 6+00E	60	14	69	.2	3	14
16+00N 6+25E	51	13	68	.1	6	19
16+00N 6+50E	57	14	62	.1	5	11
STD C/AU-S	57	39	132	6.7	37	48

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
16+00N 6+75E	52	19	62	.2	10	10
16+00N 7+00E	57	14	63	.1	8	8
16+00N 7+25E	76	20	89	.3	13	26
16+00N 7+50E	24	19	54	.2	9	20
16+00N 7+75E	78	20	73	.1	12	2
16+00N 8+00E	54	19	99	.3	7	5
16+00N 8+25E	60	18	83	.2	10	3
16+00N 8+50E	140	24	87	.1	14	1
16+00N 8+75E	21	16	31	.2	6	32
14+00N 3+00E	18	12	37	.2	4	1
14+00N 3+25E	26	19	51	.2	7	1
14+00N 3+50E	42	22	75	.2	6	2
14+00N 3+75E	66	17	73	.2	4	1
14+00N 4+25E	103	17	57	.1	13	8
14+00N 4+50E	25	19	58	.2	7	1
14+00N 4+75E	45	20	69	.2	6	1
14+00N 5+00E	27	21	81	.1	2	7
14+00N 5+25E	44	17	83	.1	9	5
14+00N 5+50E	23	15	69	.2	4	1
14+00N 5+75E	41	21	52	.1	13	13
14+00N 6+00E	36	13	86	.1	10	2
14+00N 6+25E	76	11	79	.2	7	3
14+00N 6+50E	37	13	49	.1	6	1
14+00N 7+00E	90	23	98	.1	16	14
14+00N 7+25E	85	13	82	.3	10	1
14+00N 7+50E	18	9	40	.1	3	12
14+00N 7+75E	91	12	83	.6	15	6
14+00N 8+00E	50	20	69	.1	13	2
12+00N 0+75E	54	11	48	.2	7	1
12+00N 1+00E	43	15	85	.2	9	7
12+00N 1+25E	20	7	57	.1	2	1
12+00N 1+50E	33	17	69	.1	7	2
12+00N 1+75E	41	19	65	.1	8	5
12+00N 2+00E	119	23	68	.2	9	1
12+00N 2+50E	16	16	34	.1	2	1
12+00N 2+75E	20	13	39	.2	7	5
STD C/AU-S	55	38	130	7.0	43	51

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
12+00N 3+00E	9	8	35	.1	2	1
12+00N 3+25E	25	5	47	.1	8	4
12+00N 3+50E	37	9	76	.1	6	2
12+00N 3+75E	46	11	48	.2	5	1
12+00N 4+00E	128	9	69	.1	8	1
12+00N 4+25E	24	13	42	.2	7	1
12+00N 4+75E	33	10	55	.2	8	260
12+00N 5+00E	33	7	40	.1	6	9
12+00N 5+25E	85	13	72	.3	15	49
12+00N 5+75E	37	7	73	.3	4	7
12+00N 6+00E	44	10	75	.3	5	1
12+00N 6+25E	89	16	68	.1	11	1
12+00N 6+50E	35	12	64	.2	5	2
12+00N 6+50E<A>	27	13	59	.1	8	1
12+00N 6+75E	47	6	70	.2	11	3
12+00N 7+00E	77	15	96	.3	15	6
12+00N 7+25E	141	46	122	.6	33	38
10+00N 3+25E	54	7	57	.2	6	5
10+00N 3+50E	58	5	68	.3	11	2
10+00N 3+75E	29	11	52	.1	7	4
10+00N 4+00E	50	12	77	.2	8	21
10+00N 4+25E	9	7	19	.1	3	14
10+00N 4+50E	36	8	54	.2	9	1
10+00N 4+75E	39	6	56	.1	5	1
10+00N 5+00E	38	9	74	.2	2	1
10+00N 5+25E	31	13	48	.2	9	23
10+00N 5+50E	97	8	76	.1	16	5
10+00N 5+75E	44	7	37	.1	11	9
10+00N 6+00E	49	15	43	.1	10	1
10+00N 6+25E	71	9	69	.1	8	4
10+00N 6+50E	35	7	40	.1	6	1
5+00N 1+00W	37	5	50	.2	5	43
5+00N 0+75W	31	9	41	.1	11	57
5+00N 0+50W	75	10	86	.3	5	1
5+00N 0+25W	35	15	37	.1	6	1
5+00N 0+00W	48	13	59	.1	6	3
STD C/AU-S	59	36	124	6.9	38	52

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
4+00N 1+25W	28	13	51	.2	5	9
4+00N 1+00W	53	14	66	.3	6	10
4+00N 0+75W	43	18	42	.1	7	5
4+00N 0+50W	8	8	12	.1	4	8
4+00N 0+25W	25	19	48	.3	5	3
4+00N 0+00W	63	12	88	.2	2	13
TL 4E 20+00N	31	22	55	.1	4	5
TL 4E 19+75N	17	9	56	.1	2	4
TL 4E 19+50N	60	15	91	.3	8	3
TL 4E 19+25N	131	21	110	.1	23	5
TL 4E 19+00N	19	10	46	.1	4	2
TL 4E 18+75N	26	10	53	.1	7	4
TL 4E 18+50N	38	6	87	.1	2	2
TL 4E 18+25N	79	7	137	.3	2	5
TL 4E 18+00N	53	9	67	.1	2	21
TL 4E 17+75N	21	10	43	.1	6	3
TL 4E 17+50N	45	12	51	.1	9	2
TL 4E 17+25N	80	19	60	.2	21	2
TL 4E 17+00N	60	16	62	.2	14	8
TL 4E 16+75N	34	14	53	.1	4	9
TL 4E 16+50N	56	23	74	.2	15	63
TL 4E 16+25N	71	17	77	.1	8	25
TL 4E 16+00N	51	14	94	.1	7	22
TL 4E 15+75N	74	13	76	.1	8	72
TL 4E 15+50N	38	11	62	.1	5	9
TL 4E 15+25N	76	16	96	.2	6	7
TL 4E 15+00N	37	11	61	.3	3	33
TL 4E 14+75N	42	14	70	.2	6	4
TL 4E 14+50N	26	14	52	.1	5	7
TL 4E 14+25N	90	15	70	.2	5	2
TL 4E 14+00N	51	12	61	.1	5	29
3+00N 1+75W	41	11	64	.1	4	21
3+00N 1+50W	37	13	63	.1	8	16
3+00N 1+25W	44	9	71	.2	9	36
3+00N 1+00W	45	13	79	.2	8	10
3+00N 0+75W	41	15	87	.4	12	8
STD C/AU-S	57	39	127	6.7	38	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
3+00N 0+25W	35	20	39	.4	10	1
3+00N 0+00W	33	16	44	.3	6	71
2+00N 2+00W	13	15	22	.1	4	16
2+00N 1+75W	54	22	129	.4	8	8
2+00N 1+50W	39	22	115	.4	5	1
2+00N 1+25W	23	8	53	.5	5	15
2+00N 1+00W	72	23	100	.3	10	6
2+00N 0+75W	38	16	107	.4	7	44
2+00N 0+50W	29	14	81	.3	6	1
2+00N 0+25W	25	19	70	.2	4	2
2+00N 0+00W	117	17	88	.1	7	11
2+00N 0+25E	106	17	83	.2	9	240
2+00N 0+50E	59	20	89	.1	8	1
2+00N 0+75E	32	14	31	.1	3	2
2+00N 1+00E	133	20	89	.2	9	1
2+00N 1+25E	43	16	44	.3	7	1
2+00N 1+75E	72	15	59	.3	8	4
1+00N 2+50W	58	20	63	.2	23	1
1+00N 2+25W	45	18	76	.3	5	5
1+00N 1+50W	17	18	31	.3	8	10
1+00N 1+25W	38	16	40	.2	6	5
1+00N 0+75W	15	18	61	.1	6	7
1+00N 0+50W	34	11	62	.1	7	19
1+00N 0+25W	44	24	48	.1	10	1
0+00W 9+75N	36	19	61	.2	2	1
0+00W 9+50N	34	17	66	.1	2	1
0+00W 9+25N	54	10	83	.1	6	1
0+00W 9+00N	29	16	55	.4	10	1
0+00W 8+75N	69	11	66	.1	10	1
0+00W 8+50N	96	17	68	.1	9	8
0+00W 8+25N	56	10	74	.1	8	1
0+00W 7+75N	22	8	40	.1	5	2
0+00W 7+50N	40	12	52	.2	8	1
0+00W 7+25N	26	5	29	.1	12	1
0+00W 7+00N	61	14	53	.2	6	1
0+00W 6+75N	26	7	34	.1	4	1
STD C/AU-S	55	38	125	6.8	37	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
0+00W 6+50N	17	8	24	.1	6	4
0+00W 6+25N	52	18	73	.2	11	3
0+00W 5+75N	65	15	70	.1	9	1
0+00W 5+50N	37	10	55	.1	10	1
0+00W 5+25N	22	15	32	.2	6	4
0+00W 4+75N	37	16	64	.2	10	1
0+00W 4+50N	35	18	55	.2	14	5
0+00W 4+25N	52	16	74	.2	9	79
0+00W 3+75N	11	12	15	.2	4	3
0+00W 3+50N	70	10	74	.2	5	1
0+00W 3+25N	18	14	19	.1	10	1
0+00W 2+75N	30	19	33	.1	8	92
0+00W 2+50N	17	10	16	.1	3	1
0+00W 2+25N	73	15	69	.1	12	14
0+00W 1+75N	124	8	74	.1	10	227
0+00W 1+50N	110	9	76	.2	9	9
0+00W 1+25N	125	14	76	.1	11	204
LA 5+75W	14	7	12	.1	3	7
LA 5+50W	25	18	30	.1	14	1
LA 5+25W	71	9	51	.1	9	1
LA 5+00W	50	9	44	.1	4	1
LA 4+75W	15	13	22	.2	5	1
LA 4+50W	37	11	44	.1	9	1
LA 4+30W	46	14	33	.1	8	3
LA 4+00W	43	13	42	.1	5	1
LA 3+50W	29	15	34	.3	16	4
LA 3+25W	18	18	22	.1	8	1
LA 3+00W	40	10	38	.1	8	1
LA 2+75W	10	12	13	.1	5	1
LA 2+50W	35	11	37	.1	3	1
LA 2+25W	23	10	33	.1	4	1
LA 1+75W	15	8	45	.1	2	3
LA 1+50W	18	16	24	.1	3	5
LA 1+25W	15	9	16	.1	3	7
LA 1+00W	54	12	53	.1	8	1
LA 0+75W	36	9	32	.3	2	1
STD C/AU-S	57	35	128	7.0	38	51

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
LA 0+50W	123	18	68	.8	13	11
LA 0+25W	134	17	81	2.5	23	31
LA 0+00W	68	10	52	.1	10	3
LB 6+25W	34	12	45	.1	8	1
LB 6+00W	26	12	25	.1	9	1
LB 5+75W	26	15	34	.1	7	1
LB 5+50W	29	16	26	.1	9	1
LB 5+25W	72	7	48	.1	9	1
LB 5+00W	62	10	39	.1	10	5
LB 4+75W	59	5	45	.1	9	1
LB 4+50W	40	8	38	.1	6	1
LB 4+25W	29	13	30	.1	6	1
LB 4+00W	27	3	30	.1	9	38
LB 3+75W	14	9	19	.1	6	5
LB 3+50W	84	9	48	.1	5	4
LB 3+25W	25	17	34	.1	8	2
LB 3+00W	31	7	35	.1	9	3
LB 2+75W	23	9	40	.1	6	1
LB 2+50W	12	12	26	.1	3	23
LB 2+25W	46	14	46	.1	6	1
LB 2+00W	21	15	35	.1	10	5
LB 1+75W	42	13	43	.1	8	3
STD C/AU-S	55	36	129	6.7	42	49

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

DATE RECEIVED: NOV 13 1987
DATE REPORT MAILED: Nov. 20/87

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: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

SWIFT MINERALS File # 87-5625 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L26N 1+25W	50	18	110	.1	14	6
L26N 0+75W	57	9	62	.1	6	1
L26N 0+25W	39	19	50	.2	4	1
L26N 0+25E	100	17	77	.1	14	3
L26N 0+50E	23	14	27	.1	5	32
L26N 0+75E	44	13	44	.1	11	3
L26N 1+00E	61	12	79	.1	12	6
L24N 3+50W	56	16	112	.3	12	4
L24N 3+00W	60	16	70	.1	6	1
L24N 2+75W	41	16	42	.4	2	5
L24N 2+25W	40	26	37	.1	4	1
L24N 2+00W	33	22	46	.1	6	1
L24N 1+75W	66	13	60	.1	10	1
L24N 1+50W	62	20	148	.1	7	1
L24N 1+25W	66	9	58	.1	13	1
L24N 1+00W	60	20	65	.2	5	1
L24N 0+75W	60	17	64	.1	11	1
L24N 0+50W	16	14	38	.2	8	1
L24N 0+50E	48	13	46	.1	9	1
L24N 1+00E	43	15	37	.2	4	1
L24N 1+50E	39	20	39	.1	11	1
L24N 1+75E	13	10	32	.1	4	10
L24N 2+00E	28	13	46	.1	3	1
L24N 2+50E	62	14	70	.1	12	22
L24N 2+75E	34	16	74	.1	6	1
L24N 3+00E	31	27	62	.2	14	47
L24N 3+25E	44	22	65	.4	10	15
L24N 3+50E	32	19	66	.1	4	1
L24N 3+75E	51	18	73	.2	4	3
L24N 4+00E	70	10	59	.5	4	1
L24N 4+25E	33	7	48	.1	3	1
L24N 4+50E	34	9	45	.6	3	1
L24N 4+75E	15	7	38	.2	2	1
L24N 5+00E	170	5	105	.2	3	2
L24N 5+25E	35	7	49	.2	3	1
L24N 5+50E	34	22	75	.1	5	1
STD C/AU-S	57	37	134	7.5	40	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L24N 5+75E	129	26	121	.8	36	49
L24N 6+00E	65	13	54	.9	9	4
L22N 2+75W	89	17	84	.1	19	7
L22N 2+50W	45	22	50	.5	7	2
L22N 1+75W	32	9	50	.4	4	1
L22N 1+50W	73	17	72	.5	8	8
L22N 1+25W	40	14	62	.3	7	1
L22N 1+00W	55	11	72	.1	15	1
L22N 0+75W	51	10	56	.1	12	1
L22N 0+50W	54	14	69	.1	14	1
L22N 0+25W	50	15	65	.1	6	8
L22N 0+25E	37	16	58	.2	4	8
L22N 0+50E	37	16	52	.2	2	1
L22N 1+00E	47	18	65	.1	4	1
L22N 1+25E	39	19	56	.2	2	106
L22N 1+50E	31	12	62	.4	2	5
L22N 1+75E	31	13	52	.1	6	9
L22N 2+00E	136	17	95	.3	10	8
L22N 2+25E	79	16	86	.2	6	14
L22N 2+75E	81	17	117	1.4	6	2
L22N 3+00E	22	15	59	.2	5	1
L22N 3+25E	57	10	72	.1	12	4
L22N 3+50E	25	9	51	.1	5	1
L22N 3+75E	88	11	71	.3	9	6
L22N 4+00E	35	15	52	.3	4	12
L22N 4+25E	42	9	61	.3	4	5
L22N 4+75E	37	15	79	.5	6	6
L22N 5+00E	29	18	39	.3	7	8
L22N 5+25E	25	15	38	.2	9	1
L22N 5+50E	24	18	49	.3	8	4
L22N 5+75E	33	12	56	.3	6	2
L22N 6+00E	106	15	71	.1	6	32
L22N 6+25E	19	2	33	.1	3	6
L22N 6+50E	60	10	49	.1	4	7
L22N 6+75E	28	9	38	.1	6	1
L22N 7+00E	19	6	37	.1	4	1
STD C/AU-S	57	40	133	7.4	43	48

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L22N 7+25E	26	8	68	.1	6	1
L22N 7+50E	24	8	45	.4	4	1
L22N 7+75E	65	7	68	.2	10	9
L22N 8+00E	73	10	64	.2	8	1
L22N 8+25E	47	7	94	.5	6	4
L22N 8+50E	85	7	75	.1	13	1
L22N 8+75E	37	8	42	.1	11	4
L22N 9+00E	32	7	44	.2	8	72
L22N 9+25E	50	7	81	.8	11	18
L22N 9+50E	26	4	45	.4	6	65
L20N 5+00W	36	6	45	.5	6	17
L20N 4+75W	34	6	30	.2	11	16
L20N 4+50W	46	5	46	.3	9	5
L20N 4+25W	23	12	39	.3	2	1
L20N 4+00W	24	6	42	.2	2	1
L20N 3+25W	26	6	34	.2	2	1
STD C/AU-S	59	38	129	7.2	43	51
L20N 3+00W	41	16	38	.3	16	990
L20N 2+75W	24	11	46	.2	5	4
L20N 2+50W	33	8	61	.3	2	3
L20N 2+25W	9	8	19	.2	2	1
L20N 2+00W	52	6	70	.2	5	1
L20N 1+75W	15	12	47	.3	2	1
L20N 1+50W	68	6	74	.5	8	1
L20N 1+25W	62	11	88	.4	6	1
L20N 1+00W	46	11	70	.4	7	1
L20N 0+75W	73	9	80	.4	4	1
L20N 0+50W	53	8	61	.1	5	1
L20N 0+25W	37	11	65	.5	5	5
L20N 0+25E	38	11	59	.4	7	4
L20N 1+50E	172	10	102	.7	22	25
L20N 1+75E	128	12	208	.8	10	13
L20N 2+00E	130	17	184	.6	15	1
L20N 2+25E	42	6	110	.5	10	1
L20N 2+50E	35	7	60	.1	5	1
L20N 2+75E	19	6	94	.2	3	1
L20N 3+25E	62	12	118	.3	12	4

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L20N 3+50E	58	2	66	.2	3	2
L20N 3+75E	45	3	51	.1	2	1
L20N 4+00E	56	4	49	.1	2	6
L18N 5+50W	30	8	55	.1	2	1
L18N 4+00W	27	5	48	.1	5	3
L18N 3+50W	14	7	25	.2	2	1
L18N 3+25W	19	9	32	.1	2	1
L18N 3+00W	13	11	38	.1	2	1
L18N 2+50W	50	8	38	.3	3	73
L18N 2+25W	28	8	47	.2	4	6
L18N 2+00W	38	5	50	.3	3	1
L18N 1+75W	22	9	41	.1	2	22
L18N 1+50W	50	11	71	.4	6	3
L18N 1+00W	45	8	45	.1	3	4
L18N 0+75W	44	6	62	.1	4	1
L18N 0+50W	38	10	55	.2	2	1
L18N 0+25W	11	10	24	.1	2	1
L18N 0+50E	88	3	100	.5	2	14
L18N 0+75E	36	7	59	.1	2	1
L18N 1+25E	43	7	108	.2	3	1
L18N 2+00E	55	24	104	.3	2	1
L18N 2+25E	67	18	116	.6	3	1
L18N 2+50E	67	11	88	.2	3	4
L18N 3+25E	172	9	95	.8	6	20
L18N 3+75E	88	12	64	.9	6	11
L18N 4+00E	83	12	86	.4	4	4
STD C/AU-S	62	38	129	7.2	40	51
L16N 5+75W	51	10	77	.2	9	3
L16N 5+50W	61	10	74	.4	2	1
L16N 5+25W	44	10	54	.1	2	1
L16N 5+00W	29	8	58	.1	2	2
L16N 4+75W	23	12	31	.1	2	3
L16N 4+50W	36	6	51	.1	2	1
L16N 4+25W	13	10	28	.1	2	1
L16N 4+00W	65	7	65	.1	7	6
L16N 3+75W	22	5	23	.2	13	1
L16N 3+50W	21	4	30	.3	3	1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L16N 3+25W	25	12	44	.5	2	2
L16N 3+00W	42	9	49	.7	2	1
L16N 2+75W	45	10	53	.5	7	8
L16N 2+50W	31	15	49	.3	3	3
L16N 2+25W	36	8	56	.2	10	2
L16N 2+00W	17	8	32	.2	2	1
L16N 1+75W	25	11	37	.4	7	1
L16N 1+50W	51	11	43	.6	5	11
L16N 1+25W	63	18	63	.7	5	2
L16N 1+00W	25	9	53	.3	4	3
L16N 0+75W	34	6	59	.3	5	2
L16N 0+50W	19	10	33	.3	2	1
L16N 0+25W	43	17	65	.1	6	1
L16N 0+25E	56	14	65	.4	9	28
L16N 0+50E	20	12	43	.1	4	12
L16N 0+75E	28	11	53	.1	6	3
L16N 1+00E	75	10	79	.4	3	2
L16N 1+25E	39	15	60	.5	8	1
L16N 1+50E	113	11	73	.6	16	4
L16N 1+75E	53	12	81	.2	3	10
L16N 2+00E	82	12	68	.4	10	6
L16N 2+25E	49	10	117	.1	2	1
L16N 2+50E	38	12	85	.1	6	7
L16N 3+00E	21	14	56	.2	2	17
L16N 3+25E	42	6	79	.4	7	1
L16N 3+75E	36	9	59	.2	4	1
L16N 4+00E	62	11	81	.3	5	9
L14N 4+75W	33	10	78	.3	6	1
L14N 4+50W	57	11	77	.1	7	6
L14N 4+25W	23	12	55	.1	4	7
L14N 4+00W	33	13	61	.1	2	3
L14N 3+75W	28	12	73	.1	2	1
L14N 3+50W	36	12	42	.2	2	1
L14N 3+25W	37	11	60	.1	5	1
L14N 3+00W	32	13	61	.1	3	1
L14N 2+75W	75	12	74	.1	5	1
STD C/AU-S	57	40	133	7.3	42	52

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L14N 2+50W	35	15	53	.4	3	10
L14N 2+25W	15	11	43	.1	2	5
L14N 2+00W	81	9	61	.5	5	8
L14N 1+75W	12	11	34	.1	2	3
L14N 1+50W	18	7	37	.1	4	1
L14N 1+25W	36	11	53	.3	2	7
L14N 1+00W	18	7	41	.1	2	1
L14N 0+75W	16	8	45	.2	3	3
L14N 0+50W	79	10	71	.3	7	8
L14N 0+25W	43	12	59	.4	3	3
L14N 0+25E	62	19	64	.1	2	3
L14N 0+50E	49	13	56	.4	6	4
L14N 0+75E	14	12	34	.3	3	1
L14N 1+00E	80	17	77	.6	7	5
L14N 1+25E	40	9	50	.2	2	2
L14N 1+50E	15	9	33	.1	2	8
L14N 1+75E	45	10	76	.3	6	7
L14N 2+00E	28	14	54	.3	2	1
L14N 2+25E	14	9	26	.1	5	4
L14N 2+50E	71	10	68	.4	4	4
L14N 2+75E	22	14	47	.2	3	5
L14N 3+00E	34	12	55	.1	4	41
L12N 4+25W	79	8	62	.3	9	20
L12N 4+00W	52	13	59	.1	8	5
L12N 3+75W	32	9	49	.2	4	1
L12N 3+50W	46	11	68	.1	7	1
L12N 3+25W	30	18	53	.1	6	1
L12N 3+00W	21	11	38	.3	3	4
L12N 2+75W	58	14	50	.1	6	1
L12N 2+50W	22	10	38	.1	5	1
L12N 2+25W	20	7	31	.1	2	3
L12N 2+00W	22	13	38	.1	5	1
L12N 1+75W	29	8	42	.1	2	1
L12N 1+25W	26	17	38	.1	5	1
L12N 1+00W	23	12	39	.3	2	5
L12N 0+75W	31	14	51	.1	2	37
STD C/AU-S	59	43	132	7.2	42	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L12N 0+50W	21	9	44	.1	2	5
L12N 0+25W	46	7	58	.2	6	4
L12N 0+25E	59	10	73	.1	4	12
L12N 0+50E	80	10	90	.3	6	4
L12N 0+75E	27	8	57	.1	2	26
L12N 1+00E	19	8	42	.1	6	5
L12N 1+25E	56	10	82	.5	3	3
L12N 1+50E	41	8	88	.4	2	1
L10N 9+50W	38	11	63	.2	4	1
L10N 9+25W	68	12	100	.3	4	1
L10N 9+00W	44	11	80	.3	2	2
L10N 8+75W	96	10	91	.1	5	1
L10N 8+50W	48	10	81	.3	5	1
L10N 8+25W	41	9	72	.1	2	1
L10N 8+00W	39	11	70	.1	2	1
L10N 7+75W	92	8	87	.1	8	1
L10N 7+25W	28	6	57	.1	2	2
L10N 7+00W	30	11	70	.1	2	1
L10N 6+75W	40	9	84	.1	2	1
L10N 6+50W	33	8	79	.1	2	1
L10N 6+25W	60	15	84	.1	6	2
L10N 6+00W	42	11	71	.1	5	3
L10N 5+25W	50	10	72	.1	2	2
L10N 5+00W	79	12	76	.1	4	8
L10N 4+50W	64	14	98	.1	7	5
L10N 4+25W	78	12	85	.1	2	1
L10N 4+00W	49	18	69	.1	4	2
L10N 3+75W	49	14	54	.2	8	3
L10N 3+50W	15	9	38	.1	2	7
L10N 3+25W	22	15	49	.1	2	9
L10N 3+00W	31	14	66	.1	2	10
L10N 2+75W	29	8	71	.1	2	3
L10N 2+50W	42	12	70	.1	3	6
L10N 2+25W	76	17	63	.2	9	2
L8N 11+00W	74	9	79	.1	7	4
L8N 10+50W	70	7	74	.3	2	67
STD C/AU-S	57	38	133	6.9	40	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU* PPB
L8N 10+25W	42	11	72	.2	6	4
L8N 10+00W	24	10	52	.5	2	1
L8N 9+75W	42	14	78	.1	9	10
L8N 9+25W	81	12	92	.3	7	11
L8N 9+00W	117	14	82	.3	8	6
L8N 8+75W	109	9	70	.4	8	10
L8N 8+50W	79	7	65	.1	6	6
L8N 8+25W	47	13	56	.1	5	2
L8N 8+00W	35	8	60	.2	4	2
L8N 7+75W	20	9	46	.3	2	3
L8N 7+50W	41	5	61	.1	2	1
L8N 7+25W	122	11	81	.6	12	7
L8N 6+75W	86	12	89	.4	3	1
L8N 6+50W	44	10	69	.3	5	1
L8N 6+00W	30	14	62	.2	3	1
L8N 5+75W	36	11	71	.4	2	2
L8N 5+50W	41	13	51	.2	2	1
L8N 5+25W	44	12	56	.1	2	26
L6N 6+50W	31	7	62	.2	2	3
L6N 6+25W	102	10	75	.3	7	4
L6N 6+00W	23	12	64	.2	2	3
L6N 5+75W	64	10	86	.2	5	1
L6N 5+25W	92	12	90	.2	7	3
L6N 5+00W	29	3	65	.1	4	9
L6N 4+75W	25	7	40	.2	7	12
L6N 4+50W	55	9	71	.2	3	8
L6N 4+25W	49	11	69	.3	3	11
L6N 4+00W	15	4	49	.1	2	4
L6N 3+75W	48	7	65	.1	2	2
L6N 3+50W	81	8	68	.1	7	6
L6N 3+25W	37	12	52	.2	4	1
L6N 3+00W	16	5	33	.1	2	1
L6N 2+75W	35	8	56	.1	5	17
STD C/AU-S	57	38	133	7.1	41	49