1989 Assessment Report
on the
SOUTH SCUD PROPERTY
Canyon 18,19,35 and 36 Claims

Liard Mining Division
NTS:104G/3 and 6
Lat:57° 15'
Long:131° 17'

Owners: Homestake Mineral Development Company
1000 - 700 W. Pender St.
Vancouver, B.C.
and
Equity Silver Mines Ltd.
708 - 1155 W. Pender St.
Vancouver, B.C.

Operator: Homestake Mineral Development Company

Author: P. Southam

Date: August 10, 1989

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SUMMARY

The South Scud property is located in the Stikine region of British Columbia. The property consists of 4 claims totalling 80 units and is owned by Homestake Mineral Development Company and Equity Silver Mines Ltd.

Work on the property was carried out between June 5 and June 6, 1989 and involved 1 : 10 000 scale mapping as well as the collection of 26 rock samples and 9 silt samples.

This property warrants further work along a mafic volcanic - intrusive contact which generally passes through the center of the property along a north - south trend. The quartz diotite intrusive to the east has local stong carbonate alteration and minor quartz veining with up to 15% stibnite. To the west is a major fault contact between the mafic volcanics and older limestone. The contact is strongly carbonate altered but appears to be generally unmineralized.

Follow up work should include more detailed mapping and sampling of the gossanous and mineralized areas noted. Prospecting along strike of the major structural features is also recommended.

1.0 INTRODUCTION

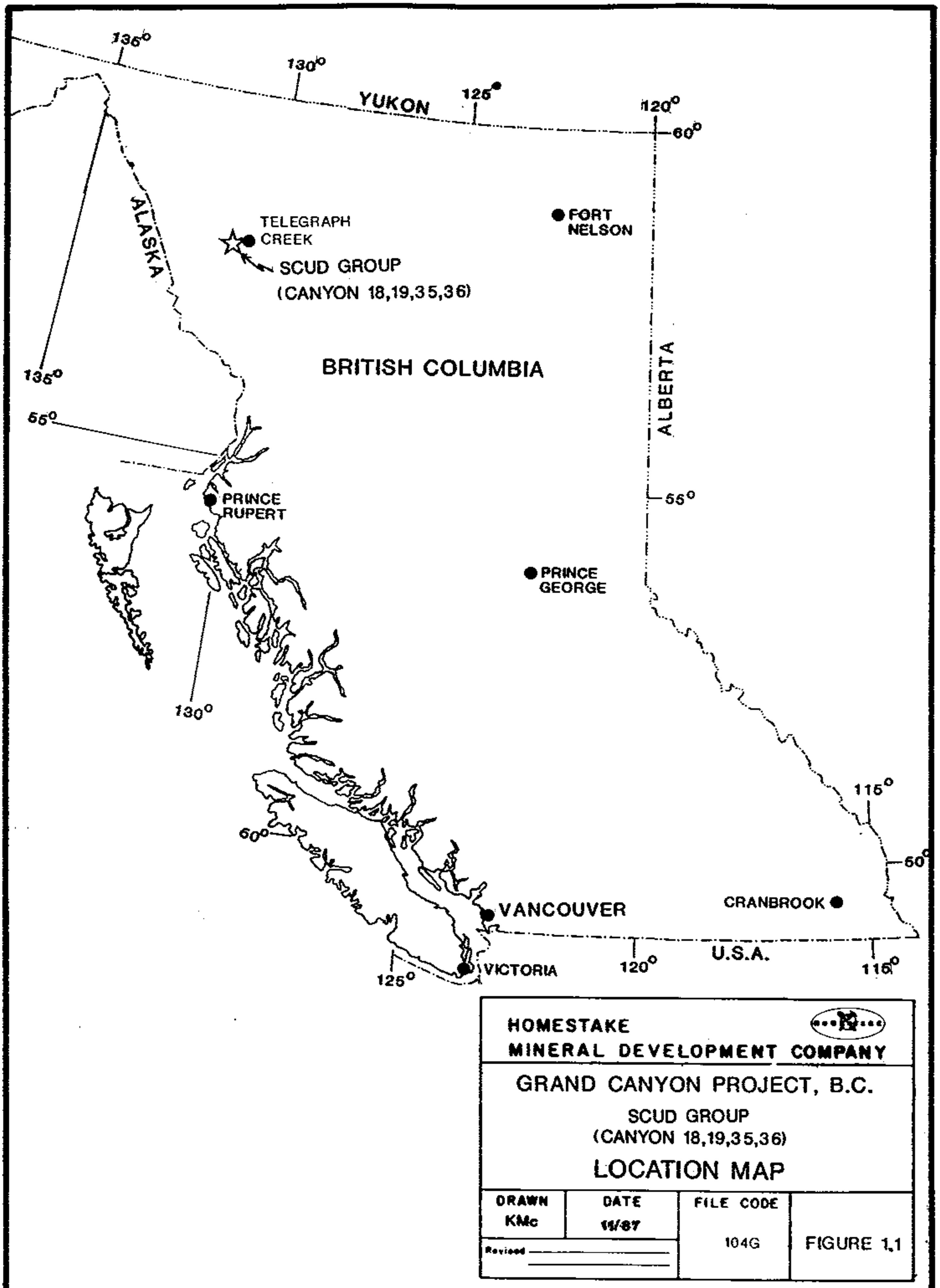
1.1 Location and Access

The South Scud property is located in the Stikine region of northwestern British Columbia approximately 72 km south of the village of Telegraph Creek (Figure 1.1). The claims are centered at 57° 15' north latitude and 131° 17'west longitude on NTS map sheet 104G/3 and 6.

Access to the property is via helicopter from Telegraph Creek, which is connected to Dease Lake by an all-weather road and serviced by fixed-wing flights from Smithers, B.C. The Stikine River provides navigable water access from Wrangell, Alaska north to Telegraph Creek.

1.2 Claim Status

The South Scud property consists of 4 claims totalling 80 units. The Canyon 18 and 19 claims were recorded on June 14, 1988 and the Canyon 35 and 36 claims were recorded on June 28, 1988, both owned by Homestake Mineral Development Company and Equity Silver Mines Ltd. Assuming acceptance of this assessment work, claim data will be as follows:



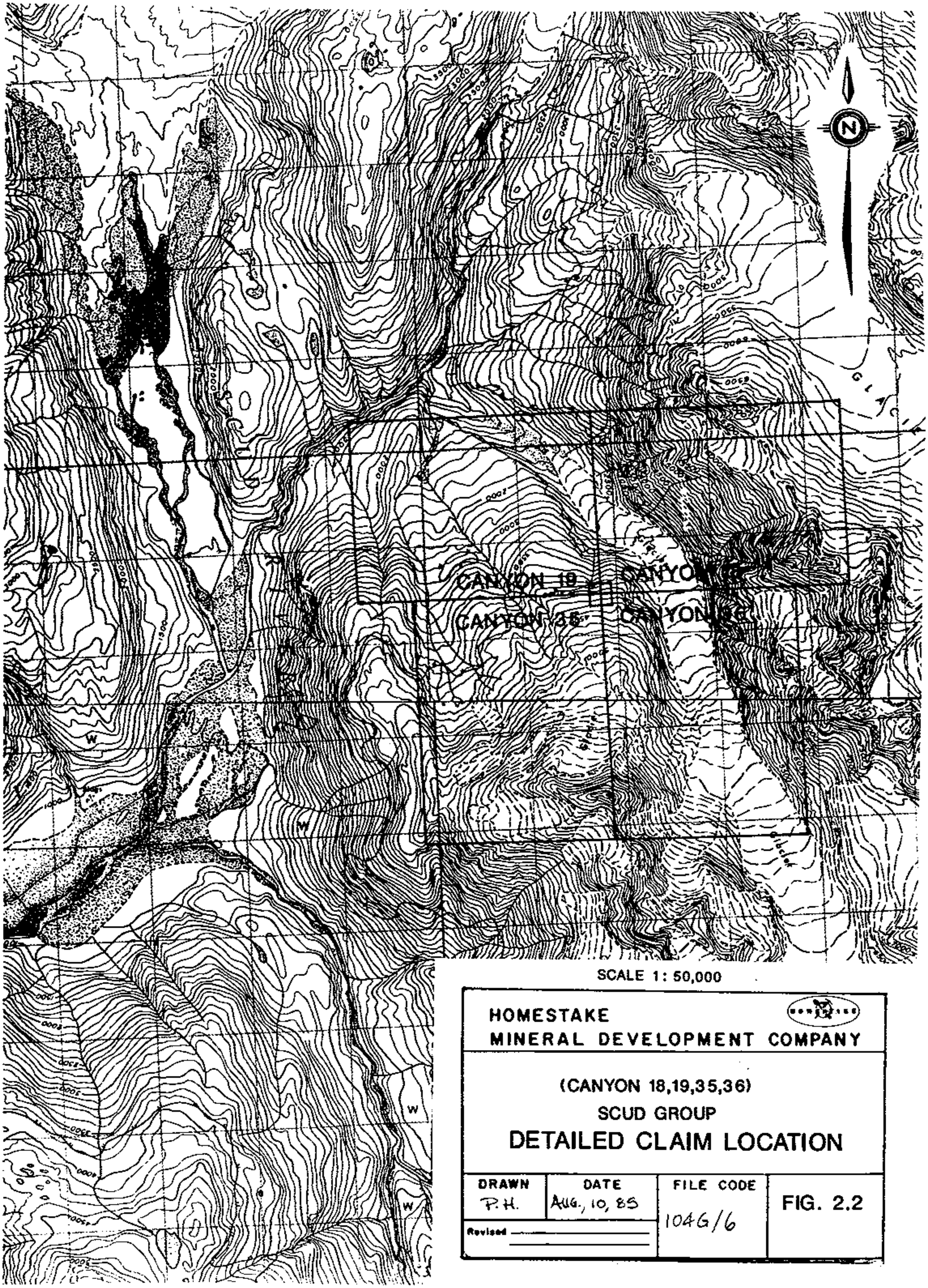
HOMESTAKE MINERAL DEVELOPMENT COMPANY

GRAND CANYON PROJECT, B.C.

SCUD GROUP
(CANYON 18,19,35,36)

LOCATION MAP

DRAWN	DATE	FILE CODE	
KMc	11/87	104G	FIGURE 1.1
Revised			



SCALE 1: 50,000

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

(CANYON 18,19,35,36)

SCUD GROUP

DETAILED CLAIM LOCATION

DRAWN	DATE	FILE CODE	
P.H.	AUG., 10, 85	104G/6	FIG. 2.2
Revised			

CLAIM	UNITS	RECORD #	RECORDED	EXPIRY DATE
Canyon 18	20	4674	06/14/88	06/14/90
Canyon 19	20	4675	06/14/88	06/14/90
Canyon 35	20	4735	06/28/88	06/28/90
Canyon 36	20	4736	06/28/88	06/28/90

1.3 Physiography

The South Scud property is located on a steep north-northwest sloping mountain ranging from an elevation of 450 meters near the base to 2300 meters at the highest point. A steep sided glacial valley bisects the property along a southeast-northwest axis. Treeline is around 1200 meters in the northwestern part of the property and consists of spruce trees with alders at lower elevations.

1.4 Exploration History

The area around minfile occurence 104G-055, located on the Canyon 18 claim, was staked in 1964 by Silver Standard Mines Ltd. as the Bik 117 to 136 claims. Work on the claims included geologic mapping and a regional geochemical sampling program.

1.5 Present Work

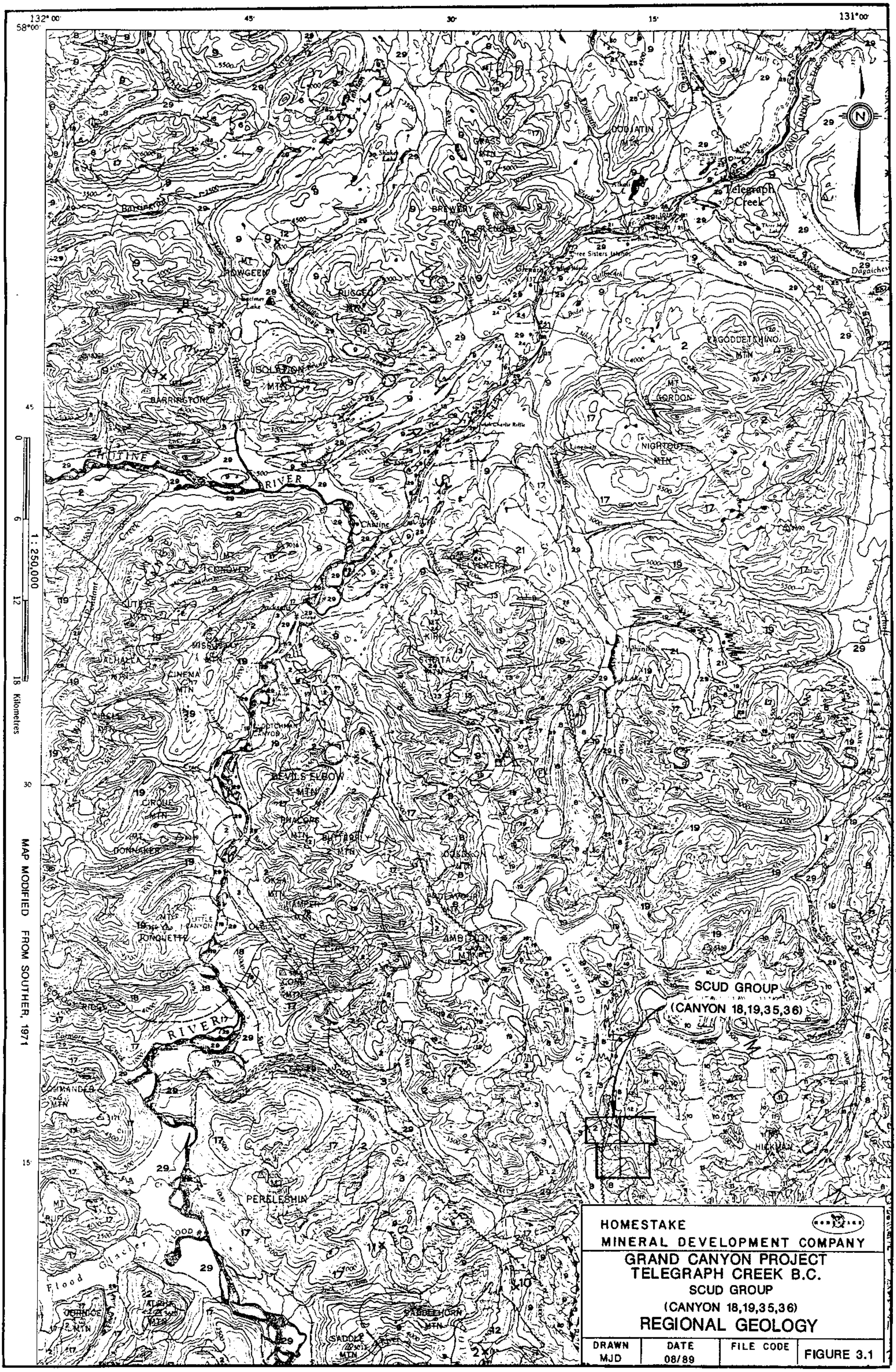
The 1989 work program outlined in this report was designed to locate areas of anomalous metal values and to assess the economic potential of the property. It consisted of rock sampling, stream sediment sampling and 1:10 000 scale geological mapping.

2.0 REGIONAL GEOLOGY

The property lies on the boundary between the Coast and Intermontane tectonic belts. This area is underlain by rocks of the Stikine Terrane (Stikinia) consisting of Upper Paleozoic to Upper Triassic sedimentary and volcanic rocks of the Stuhini Group (Kerr, 1948), Middle Jurassic to Early Late Cretaceous Successor Basin sediments of the Bowser Lake Group, and Late Cretaceous to Tertiary continental volcanic arc assemblages of the Sloko Group (Logan and Koyanagi, 1989). This stratigraphy is intruded by Upper Triassic to Tertiary plutonic rocks ranging in composition from syenite and quartz monzonite to granodiorite and hornblende diorite (Souther, 1972).

These rocks have undergone multiple stages of deformation, forming a complex structural pattern which is complicated by large differences in the competence of the different units. North- and northwesterly-trending normal faults are dominant with narrow west-trending extensional fault zones postdating them (Souther, 1972).

The most economically important exploration targets are porphyry copper-gold-silver deposits and peripheral mesothermal and shear zone-hosted precious metal veins (Logan et al, 1989).



HOMESTAKE
MINERAL DEVELOPMENT COMPANY
GRAND CANYON PROJECT
TELEGRAPH CREEK B.C.
SCUD GROUP
(CANYON 18,19,35,36)
REGIONAL GEOLOGY
DRAWN MJD
DATE 08/89
FILE CODE
FIGURE 3.1
SCUD GROUP
(CANYON 18,19,35,36)
MAP MODIFIED FROM SOUTHER, 1971
1: 250,000
Kilometres
132° 00'
131° 00'
58° 00'
Telegraph Creek
GRAND CANYON OF THE STIKINE
CHUTINE RIVER
RIVER
DODJATIN MTN
PAGODDETCHINO MTN
MT GORDON
NIGHTOUT MTN
BREWERY MTN
GRASS MTN
MT ROWGEEN
RUGGED MTN
ISOLATION MTN
MT BARRINGTON
MT CONOVER
MISSUSJAY MTN
VALHALLA MTN
CINENA MTN
CIRQUE MTN
MT DONNAKER
DEVILS ELBOW MTN
KIRK
STRATA
AMBITION MTN
MT PERELESHIN
HICKMAN
SADDLE MTN
Flood Glacier
Scud Glacier

1

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

29	Fluviatile gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium
28	Hot-spring deposit, tufa, aragonite
27	Olivine basalt, related pyroclastic rocks and loose tephra; younger than some of 29

TERTIARY AND QUATERNARY
UPPER TERTIARY AND PLEISTOCENE

26	Rhyolite and dacite flows, lava domes, pyroclastic rocks and related subvolcanic intrusions; minor basalt
25	Basalt, olivine basalt, dacite, related pyroclastic rocks and subvolcanic intrusions; minor rhyolite; in part younger than some 26

MESOZOIC

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND LOWER TERTIARY
SLOKO GROUP

24	Light green, purple and white rhyolite, trachyte and dacite flows, pyroclastic rocks and derived sediments
22 | 23	22. Biotite leucogranite, subvolcanic stocks, dykes and sills 23. Porphyritic biotite andesite, lava domes, flows and (?) sills

SUSTUT GROUP

21	Chert-pebble conglomerate, granite-boulder conglomerate, quartzose sandstone, arkose, siltstone, carbonaceous shale and minor coal
20	Felsite, quartz-feldspar porphyry, pyritiferous felsite, orbicular rhyolite; in part equivalent to 22
19	Medium-to coarse-grained, pink biotite-hornblende quartz monzonite

JURASSIC AND/OR CRETACEOUS
POST-UPPER TRIASSIC PRE-TERTIARY

18	Hornblende diorite
17	Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite

JURASSIC
MIDDLE (?) AND UPPER JURASSIC
BOWSER GROUP

16	Chert-pebble conglomerate, grit, greywacke, subgreywacke, siltstone and shale; may include some 13

MIDDLE JURASSIC

15	Basalt, pillow lava, tuff-breccia, derived volcaniclastic rocks and related subvolcanic intrusions

LOWER AND MIDDLE JURASSIC

14	Shale, minor siltstone, siliceous and calcareous siltstone, greywacke and ironstone

LOWER JURASSIC

13	Conglomerate, polymictic conglomerate; granite-boulder conglomerate, grit, greywacke, siltstone; basaltic and andesitic volcanic rocks, peperites, pillow-breccia and derived volcaniclastic rocks

TRIASSIC AND JURASSIC
POST-UPPER TRIASSIC PRE-LOWER JURASSIC

12	Syenite, orthoclase porphyry, monzonite, pyroxenite
10 | 11	HICKMAN BATHOLITH 10. Hornblende granodiorite, minor hornblende-quartz diorite. 11. Hornblende, quartz diorite, hornblende-pyroxene diorite, amphibolite and pyroxene-bearing amphibolite

TRIASSIC
UPPER TRIASSIC

9	Undifferentiated volcanic and sedimentary rocks (units 5 to 8 inclusive)
8	Augite-andesite flows, pyroclastic rocks, derived volcaniclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate
7	Siltstone, thin-bedded siliceous siltstone, ribbon chert, calcareous and dolomictic siltstone, greywacke, volcanic conglomerate, and minor limestone
6	Limestone, fetid argillaceous limestone, calcareous shale and reefoid limestone; may be in part younger than some 7 and 8
5	Greywacke, siltstone, shale; minor conglomerate, tuff and volcanic sandstone

MIDDLE TRIASSIC

4	Shale, concretionary black shale; minor calcareous shale and siltstone

PALEOZOIC

PERMIAN
MIDDLE AND UPPER PERMIAN

3	Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff

PERMIAN AND OLDER

2	Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone

MISSISSIPPIAN

1	Limestone, crinoidal limestone, ferruginous limestone; maroon tuff, chert and phyllite

B	Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic
A	Ultramafic rocks; peridotite, dunite, serpentinite; age unknown, probably pre-Lower Jurassic

Geological boundary (defined and approximate, assumed) ....
Bedding (horizontal, inclined, vertical, overturned) ....
Anticline ....
Syncline ....
Fault (defined and approximate, assumed) ....
Thrust fault, teeth on hanging-wall side (defined and approximate, assumed) ..
Fossil locality .... Ⓕ
Mineral property .... 15 ×
Glacier ....

INDEX TO MINERAL PROPERTIES

1. Liard Copper	5. Bam	9. MH	13. Ann, Su
2. Galore Creek	6. Gordon	10. BIK	14. SF
3. QC, QCA	7. Limpoke	11. JW	15. Goat
4. Nabs	8. Poke	12. Copper Canyon	16. Mary

GRAND CANYON PROJECT B.C.

GEOLOGICAL LEGEND

3.0 PROPERTY GEOLOGY

The property covers rocks ranging in age from Permian limestone to Middle - Late Triassic intermediate intrusive of the Hickman Pluton. The Permian limestone lies along the western border of the property in fault contact with Triassic or older mafic volcanics to the east. The limestone has pale rusty weathering with up to 1% disseminated pyrite. The contact is strongly carbonate altered with a trace of blebby mariposite, but is otherwise unmineralized.

The mafic volcanic - intermediate intrusive contact trends north - south through the center of the property and is well exposed in the valley of a small glacier. The contact crosscuts the valley and is best exposed at the toe of the glacier. The contact zone is generally gossanous over a 30 to 40 meter width.

The intrusive is strongly carbonate altered, moderately fractured and cut by numerous quartz veinlets. Several of these veinlets carried up to 15% blebby stibnite locally.

Within the Hickman Pluton are pockets of differentiated rocks which are mafic to ultramafic in composition. The rocks are weakly mineralized with pyrite and chacopyrite and are locally carbonatized along faults. Minor quartz veining occurred within the faults.

4.0 GEOCHEMISTRY

Two types of geochemical samples (stream silt and rock) were collected during the work program. Sample locations and results are plotted on Figure 4.1.

4.1 Stream Sediment Samples

9 sediment samples were taken from the South Scud property. The samples were collected with a hand trowel or by hand and placed in kraft sample bags, air dried and shipped to Acme Analytical Labs of Vancouver, B.C. Sample analysis consisted of 30 element ICP and gold by fire assay. Sample sites were located by elevation and topography and marked by metal tags and orange flagging tape.

Five of the samples were taken from the creek flowing out of the glacier at the north end of the Canyon 19 Claim. The remaining four samples were collected from a creek on the west side of the property flowing north along the limestone - volcanic contact. None of the samples returned any anomalous values.

4.2 Rock Samples

26 rock samples were collected from the property and shipped to Acme Analytical Labs. Thirty element ICP and gold by fire assay was done on each sample, and sample locations were marked in the field by metal tags and orange flagging tape.

Only two of the samples returned very weakly anomalous gold values of 123 and 77 ppb respectively. These two samples contained elevated levels of antimony from blebby stibnite in quartz veining. The veining occurred in the intrusive rocks near the contact with the mafic volcanics.

5.0 CONCLUSIONS AND RECOMMENDATIONS

This property has extensive alteration along both of the major contacts noted. Both contacts require more detailed mapping and sampling along strike where snow cover hindered earlier prospecting. The first priority would be the volcanic - intrusive contact where weakly anomalous gold values were associated with up to 15% stibnite in quartz veins.

Prospecting around known mineral occurrences in the Hickman Pluton is also recommended as part of the follow up program.

6.0 REFERENCES

Brown, D.A. and Gunning, M. (1989): "Geology of the Stikine River Area, Northwestern B.C.", B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Field Work, 1988, Paper 1989-1, pp. 251-267.

Kerr, F.A. (1948): "Lower Stikine and Western Iskut River Areas, B.C.", GSC Memoir 246.

Logan, J.M. and Koyanagi, V.M. (1989): "Geology and Mineral Deposits of the Galore Creek Area, Northwestern B.C.", B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Field Work, 1988, Paper 1989-1, pp. 269-284.

Souther, J.G. (1972): "Telegraph Creek Map Area, B.C.", GSC Paper 71-44.

7.0 STATEMENT OF COSTS

Labour		
Geologist	3 days @ $165/day	$ 495.00
Senior Assistant	2 days @ $115/day	$ 230.00
Junior Assistant	1 days @ $ 90/day	$ 90.00
Food and Accommodation		
	6 mandays @ $ 90/day	$ 540.00
Geochemical Analysis + Freight		
Rock Samples	26 @ $ 25/sample	$ 650.00
Silt Samples	9 @ $ 25/sample	$ 225.00
Supplies		$ 200.00
Mob/Demob		$ 200.00
Helicopter Support (including fuel)		
	5.0 hrs @ $700/hr.	$3500.00
Report Preparation	2 days @ $165/day	$ 330.00
		=======
TOTAL		$6440.00
+ 25% PAC		$1610.00
		=======
TOTAL		$8050.00

APPENDIX I

Analytical Results

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

MASTER
NTS 11-BC-1046
CANYON JV
RMB/ACCT.

GEOCHEMICAL ANALYSIS CERTIFICATE

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: P1 ROCK P2 SOIL   AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 29 1989   DATE REPORT MAILED: July 4/89   SIGNED BY. C. L. ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

HOMESTAKE MINERAL DEV. CO. PROJECT 5711 CN (SCUD GP) #12   File # 89-1830   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
CN-18-1 31431	1	239	2	42	.2	7	12	853	3.49	2	5	ND	3	147	1	2	2	18	5.23	.033	3	26	1.16	1098	.01	3	.36	.01	.12	4	7
CN-18-1 31432	4	22	2	49	.1	8	17	1297	5.38	2	5	ND	1	181	1	2	2	22	8.11	.078	4	12	1.83	1040	.01	5	.29	.01	.13	4	1
CN-18-1 31433	1	113	6	45	.1	11	20	949	5.89	2	6	ND	1	140	1	3	2	45	9.06	.040	5	12	1.48	93	.01	4	1.05	.01	.09	6	34
CN-18-1 31434	1	50	4	46	.1	13	14	887	3.60	2	6	ND	1	92	1	2	2	29	6.47	.101	7	13	.98	164	.01	8	1.07	.01	.23	8	1
CN-18-1 31435	2	18	24	25	.1	2	2	695	.93	4	5	ND	4	166	1	2	3	1	2.19	.015	25	13	.05	523	.01	17	.26	.01	.10	2	2
CN-18-1 31436	1	43	10	46	.1	530	37	1010	4.00	78	5	ND	1	258	1	2	3	40	9.17	.028	2	478	6.89	33	.03	24	1.29	.01	.07	5	1
CN-18-1 31437	1	6	4	11	.1	6	1	558	.62	2	5	ND	2	53	1	3	2	1	1.22	.012	18	6	.33	171	.01	8	.30	.02	.16	1	29
CN-18-1 31474	1	67	13	60	.1	7	13	1923	4.14	4	5	ND	1	253	1	2	2	75	11.47	.076	9	11	1.59	52	.08	90	1.93	.03	.06	1	2
CN-18-1 31491	3	128	4	45	.1	8	7	519	3.23	12	5	ND	1	60	1	2	2	9	3.64	.188	18	13	.23	310	.01	7	.35	.01	.16	1	30
CN-18-1 31492	2	12	145	69	.1	7	1	486	.66	6	5	ND	2	64	1	2	2	2	.70	.011	16	7	.04	779	.01	4	.26	.02	.12	1	46
CN-18-1 31493	5	290	7	70	.2	39	20	265	3.84	48	5	ND	1	92	1	2	3	95	1.77	.115	6	52	.68	91	.12	2	2.40	.16	.17	1	1
CN-18-1 31494	1	361	4	50	.1	33	33	775	6.34	21	5	ND	1	112	1	3	2	108	3.82	.109	5	22	1.43	65	.02	15	1.58	.08	.09	1	1
CN-18-1 31495	1	640	8	70	.3	39	39	392	7.21	10	5	ND	1	80	1	2	2	357	2.23	.110	3	55	.81	45	.18	2	2.34	.09	.07	1	1
CN-35-1 31365	1	64	2	28	.1	334	26	712	4.14	2	6	ND	1	246	1	2	2	53	11.85	.026	2	274	5.19	32	.01	15	.62	.01	.06	3	4
CN-35-1 31366	1	6	5	17	.1	107	13	820	3.35	2	5	ND	1	102	1	2	2	32	12.50	.017	2	98	5.01	30	.01	2	.12	.01	.04	3	25
CN-35-1 31367	1	5	2	15	.1	21	4	380	1.58	2	5	ND	1	248	1	2	2	5	27.79	.012	2	8	2.97	21	.01	2	.03	.01	.01	2	1
CN-35-1 31375	1	32	2	24	.1	367	28	798	4.03	10	5	ND	1	114	1	2	2	50	13.70	.021	2	111	4.65	217	.01	3	.54	.01	.03	4	5
CN-35-1 31376	15	44	5	18	.1	47	6	217	2.49	16	5	ND	1	40	1	2	2	31	2.91	.178	2	20	.90	47	.01	2	.23	.01	.09	1	16
CN-35-1 31377	4	327	6	99	.2	7	13	737	4.74	4	5	ND	1	18	1	2	2	89	1.28	.092	3	15	1.13	23	.20	22	1.87	.07	.08	1	28
CN-35-1 31378	1	44	5	26	.1	893	52	381	5.54	8	5	ND	1	71	1	8	2	76	1.23	.033	2	401	10.38	23	.02	14	2.10	.01	.03	1	1
CN-35-1 31379	1	24	3	53	.1	16	9	1151	4.04	203	5	ND	1	38	1	30	2	28	3.37	.087	9	16	.46	63	.01	17	.46	.02	.11	1	1
CN-35-1 31380	1	5	2	56	.1	4	6	1146	3.22	331	5	ND	1	54	1	2	2	9	3.65	.090	9	9	.82	40	.01	11	.32	.03	.13	1	10
CN-35-1 31381	1	24	91	98	4.0	7	6	940	3.18	1701	12	ND	1	56	1	4741	2	8	3.81	.074	6	10	.87	40	.01	4	.26	.02	.11	1	77
CN-35-1 31382	1	35	11	122	1.1	18	8	806	3.26	159	5	ND	1	54	1	17737	2	22	2.68	.026	3	16	1.10	15	.01	10	.34	.03	.07	1	123
CN-35-1 31499	1	37	15	84	.1	33	14	315	6.78	11	5	ND	1	39	1	349	2	62	5.09	.051	5	33	1.29	35	.01	4	1.42	.02	.10	2	1
CN-35-1 31500	3	43	79	143	.7	204	28	197	6.38	32	5	ND	1	5	1	325	2	45	.06	.033	6	27	2.04	14	.01	19	2.12	.03	.11	1	23
STD C/AU-R	18	57	44	132	6.7	70	31	1017	4.08	43	22	7	36	48	19	14	22	59	.49	.091	38	55	.84	175	.07	37	1.97	.06	.13	11	490

- ASSAY REQUIRED FOR CORRECT RESULT -

HOMESTAKE MINERAL DEV. CO. PROJECT 5711 CN (SCUD GP) #12 FILE # 89-1830

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
31105	1	74	3	45	.1	138	19	323	4.51	4	5	ND	2	23	1	2	2	171	.86	.127	9	161	2.25	65	.07	14	1.00	.01	.07	1	1
31106	1	73	2	37	.1	163	18	333	4.23	6	5	ND	2	24	1	2	2	149	.83	.131	9	160	2.37	66	.07	9	.95	.01	.06	1	4
31383	1	42	4	31	.1	480	33	257	5.36	2	5	ND	1	49	1	2	2	98	.44	.026	2	365	5.46	131	.05	3	2.04	.01	.05	1	1
31384	1	47	5	37	.1	511	36	298	6.74	10	5	ND	1	48	1	2	2	128	.50	.033	2	380	5.14	123	.05	4	1.92	.01	.06	1	1
31385	1	55	8	40	.2	574	39	311	5.55	3	5	ND	1	74	1	2	2	99	.49	.037	2	339	6.59	178	.05	2	2.55	.03	.18	1	1
31386	1	51	5	38	.2	514	37	316	7.50	8	5	ND	1	35	1	2	2	148	.26	.032	2	433	4.92	100	.05	6	1.78	.01	.05	1	1
31496	1	101	4	39	.1	161	19	337	3.92	5	5	ND	2	18	1	2	2	135	.72	.129	9	166	2.29	65	.08	5	1.11	.02	.09	1	1
31497	1	60	3	31	.1	167	17	282	3.51	5	5	ND	1	19	1	2	2	114	.68	.124	8	160	2.39	53	.05	10	.79	.01	.05	1	1
31498	1	58	2	33	.1	243	22	318	4.04	5	5	ND	1	21	1	2	2	123	.66	.117	7	279	3.38	51	.04	10	.66	.01	.04	1	1
STD C/AU-S	18	62	36	133	6.7	67	31	1112	4.09	43	19	7	38	49	19	14	19	59	.51	.091	39	57	.91	176	.07	34	1.97	.06	.13	12	52

APPENDIX II

Sample Summary

SCUD GROUP SAMPLES (CN 18,19,35,36)

SAMPLE NO.		SAMPLE TYPE	DESCRIPTION	MINERALIZATION
CN-18	31431	o/c	ultramafic--magnetic	
	31432	o/c	ultramafic-qtz str.in shear zone	
	31433	o/c	ultramafic--carbonitized	tr.-1% cpy in patches
	31434	o/c	ultramafic--pyroxenite	
	31435	o/c	rhyolite dike-pink aph w/ qtz eyes	tr. py cubes
	31436	o/c	ultramafic-blk aph magnetic	
	31437	o/c	ultramafic	1% v.f.g.blk specks,ferromags?
	31474	o/c	ultramafic--strongly magmetic	1-2% py euh. finely diss.,tr. cpy
	31491	r/c	listwanitic qtz carb alt'n of med. grained dioritic intrusion	.5% diss. py
	31492	r/c	altered volcanic-bleached	poss. wthrd out sulfides
	31493	r/c	limonitic mafic volcanics from contact	
	31494	o/c	limonitic alt'n mafic volcanics	tr diss. py
	31495	o/c	sheared fractured volcanics	2%fine diss py
CN-19	31105	silt	<5%org,fast,gray-brown,silt grav. to 3mm	
	31106	silt	<5%org,fast,greenih gray,sandy	
	31384	silt	15-20% org, fast, silty sand	
	31385	silt	5-10%org,mod. flow, green gray, clay-sand	
	31386	silt	5-10%org, mod. flow,green-gray-brwn,sandy	
	31496	soil	<5%org, fast,gray-brwn, 'B'?,stream bank,sand	
	31497	silt	<5%org,med ,gray,silt-sand	
	31498	silt	<5%org, mod,greenish brwn silty sand	
CN-35	31365	o/c	ultramafic?ep and qtz alt'n	
	31366	o/c	ultramafic?	tr. py
	31367	o/c	lmst-gray xstline	
	31375	r/c	faulted andesitic volcanic?	poss. bornite or galena
	31376	o/c	f.g.andesitic tuffaceous volcanic	tr.mariposite
	31377	float	dk green f.g.mafic volcanic w.blk phenos	1-2%fine py,tr.cpy
	31378	o/c	f.g. gabbro or fine andesitic tuff	
	31379	o/c	remnant intrusive text.,gossanous alt'd	tr. py,cpy diss
	31380	o/c	f.g. buff intrusive?Fe-Qtz-Carb alt'n	1-2%py diss
	31381	o/c	intrusive? silicified	molybdenite w/in qtz vein(5%)
	31382	o/c	Fe-Carb-St alt'd intrusive	vein-50%moly,ave. 5% moly
	31383	silt	5-10%org,slow,green-brown, silty-sand	
	31499	o/c	f.g. silic'd volcanic?	5% py
	31500	r/c	extremely altered dark brittle rock	3-5%fine blebby pyrite

APPENDIX III

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Philip James Southam of #D-123 West 14th Avenue, Vancouver, British Columbia, Canada, hereby certify that:

1. I am a graduate of Brandon University, having been granted the degree of Bachelor of Sciences - Specialist in Geology in 1987.

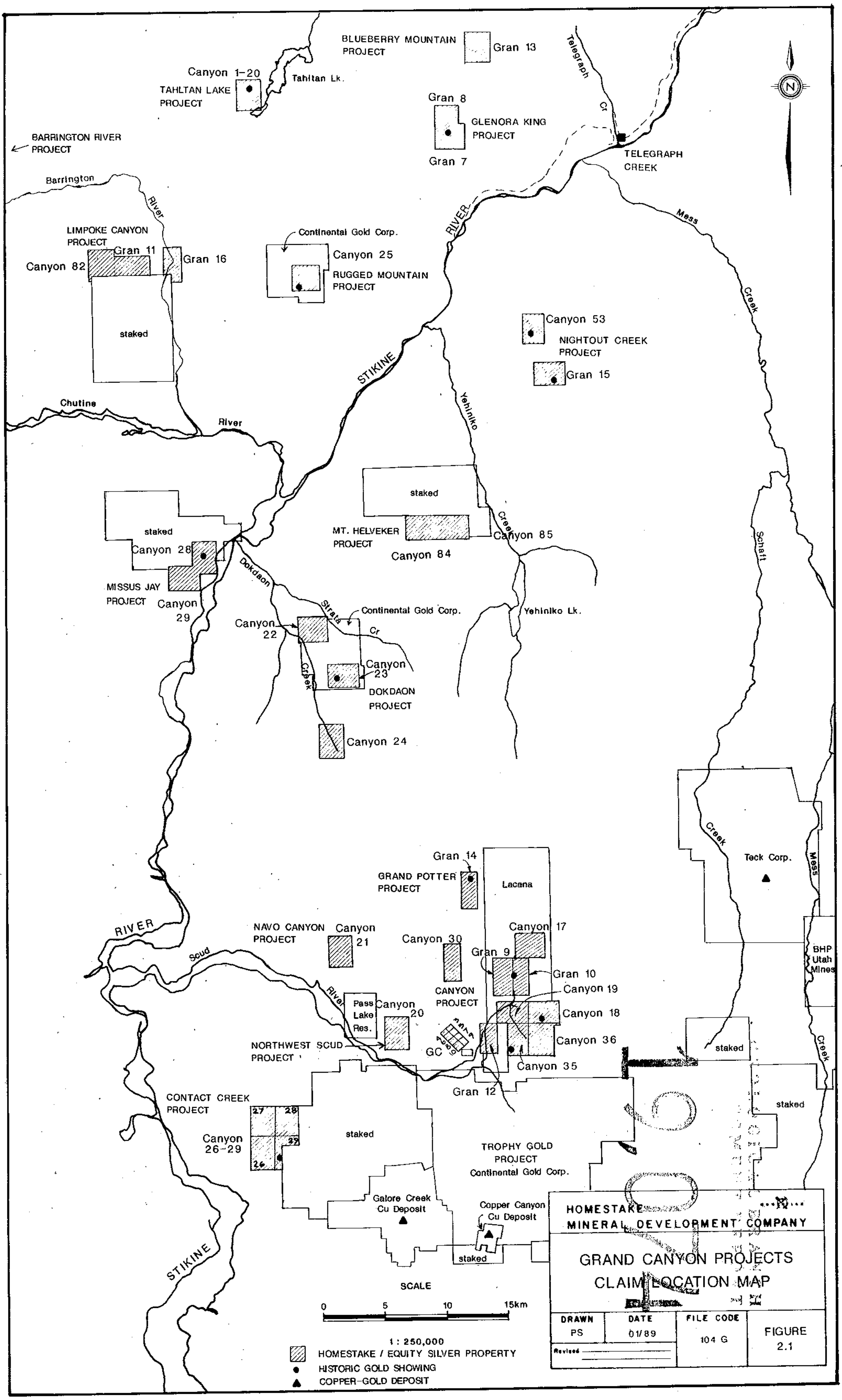
2. I have practiced my profession as a geologist in mineral exploration since 1987.

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

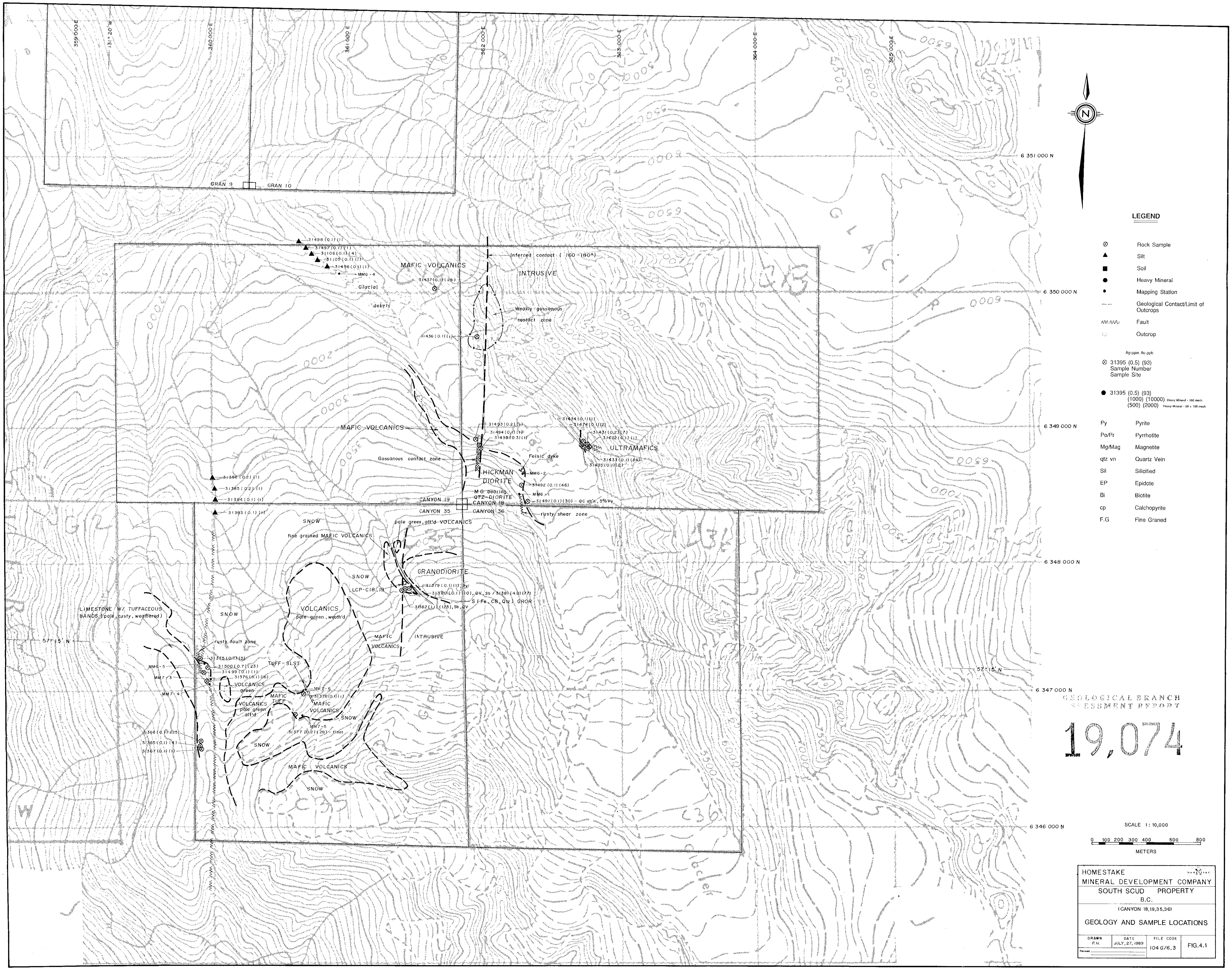
4. The work described in this report was done with my participation and a review of all previous available information.

Philip Southam

PHILIP SOUTHAM



BLUEBERRY MOUNTAIN PROJECT
Gran 13
Canyon 1-20
TAHLTAN LAKE PROJECT
Tahltan Lk.
Telegraph Cr
Gran 8
GLENORA KING PROJECT
Gran 7
TELEGRAPH CREEK
BARRINGTON RIVER PROJECT
Barrington River
LIMPOKE CANYON PROJECT
Gran 11
Gran 16
Canyon 82
staked
Continental Gold Corp.
Canyon 25
RUGGED MOUNTAIN PROJECT
RIVER
STIKINE
Mess Creek
Canyon 53
NIGHTOUT CREEK PROJECT
Gran 15
Yehiniko
Chutine River
staked
Canyon 85
MT. HELVEKER PROJECT
Canyon 84
Schaft
Canyon 28
MISSUS JAY PROJECT
Canyon 29
Dokdaon
Strata Cr
Continental Gold Corp.
Yehiniko Lk.
Canyon 22
Creek
Canyon 23
DOKDAON PROJECT
Canyon 24
Creek
Teck Corp.
Mess
Gran 14
GRAND POTTER PROJECT
Lacana
RIVER
NAVO CANYON PROJECT
Canyon 21
Canyon 30
Canyon 17
Gran 9
Gran 10
BHP Utah Mines
Scud
River
Canyon 19
Pass Lake Res.
Canyon 20
CANYON PROJECT
Canyon 18
Canyon 36
NORTHWEST SCUD PROJECT
GC
Canyon 35
staked
Creek
Gran 12
staked
CONTACT CREEK PROJECT
27
28
29
26
Canyon 26-29
staked
TROPHY GOLD PROJECT
Continental Gold Corp.
Galore Creek Cu Deposit
Copper Canyon Cu Deposit
staked
STIKINE
SCALE
0 5 10 15km
1 : 250,000
HOMESTAKE / EQUITY SILVER PROPERTY
HISTORIC GOLD SHOWING
COPPER-GOLD DEPOSIT
HOMESTAKE MINERAL DEVELOPMENT COMPANY
GRAND CANYON PROJECTS
CLAIM LOCATION MAP
DRAWN PS
DATE 01/89
FILE CODE 104 G
FIGURE 2.1
Revised



LEGEND
Rock Sample
Silt
Soil
Heavy Mineral
Mapping Station
Geological Contact/Limit of Outcrops
Fault
Outcrop
Ag-ppm Au-ppb
31395 (0.5) (93)
Sample Number
Sample Site
31395 (0.5) (93)
(1000) (10000)
(500) (2000)
Py Pyrite
Po/Pr Pyrrhotite
Mg/Mag Magnetite
qtz vn Quartz Vein
Sil Silicified
EP Epidote
Bi Biotite
cp Calchopyrite
F.G Fine Graned
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,074
SCALE 1: 10,000
0 100 200 300 400 600 800
METERS
HOMESTAKE
MINERAL DEVELOPMENT COMPANY
SOUTH SCUD PROPERTY
B.C.
(CANYON 18,19,35,36)
GEOLOGY AND SAMPLE LOCATIONS
DRAWN P.H.
DATE JULY 27, 1989
FILE CODE 104 G/6,3
FIG.4.1
359 000 E
360 000 E
361 000 E
362 000 E
363 000 E
364 000 E
365 000 E
131° 20' W
57° 15' N
6 351 000 N
6 350 000 N
6 349 000 N
6 348 000 N
6 347 000 N
6 346 000 N
GRAN 9
GRAN 10
CANYON 19
CANYON 35
CANYON 18
CANYON 36
MAFIC VOLCANICS
INTRUSIVE
Inferred contact (160°-180°)
Glacial debris
Weakly gossanous contact zone
Gossanous contact zone
HICKMAN DIORITE
MG bearing QTZ-DIORITE
Felsic dyke
ULTRAMAFICS
rusty shear zone
SNOW
pale green, alt'd VOLCANICS
fine grained MAFIC VOLCANICS
GRANODIORITE
LCP-C18,19
VOLCANICS pale green, weath'd
MAFIC VOLCANICS
LIMESTONE W/ TUFFACEOUS BANDS (pale, rusty, weathered)
rusty fault zone
TUFF-SLST
MAFIC TUFF
VOLCANICS green
VOLCANICS pale green alt'd