

LOG NO	0914	88
FILE NO		

1989 Assessment Report
on the
CONTACT CREEK PROPERTY
Canyon 26,27,28 and 29 Claims

Liard Mining Division
NTS:104G/4
Lat:57° 10'N
Long:131° 37'W

FILMED

Owners: Homestake Mineral Development Company
1000 - 700 W. Pender St.
Vancouver, B.C.
and
Equity Silver Mines Ltd.
Suite 13 - 1155 Melville St.
Vancouver, B.C.

Operator: Homestake Mineral Development Company

Author: P. Southam

Date: August 10, 1989

REGIONAL BRANCH
ASSESSMENT REPORT

19,064

TABLE OF CONTENTS	PAGE
SUMMARY	1
1.0 INTRODUCTION	
1.1 Location and Access	1
1.2 Claim Status	1
1.3 Physiography	2
1.4 Exploration History	2
1.5 Present Work	2
2.0 REGIONAL GEOLOGY	2
3.0 PROPERTY GEOLOGY	3
4.0 GEOCHEMISTRY	
4.1 Stream Sediment Samples	3
4.2 Heavy Mineral Samples	3
4.3 Rock Samples	4
5.0 CONCLUSIONS AND RECOMMENDATIONS	4
6.0 REFERENCES	5
7.0 STATEMENT OF COSTS	6
APPENDIX I Analytical Results	
APPENDIX II Sample Summary	
APPENDIX II Statement of Qualifications	

TABLE OF FIGURES

<u>Figure</u>	<u>Follows</u>
1.1 Location Map	Page 1
2.1 Claim Location 1:250,000	In Pocket
2.2 Detailed Claim Location 1:50,000	Page 1
3.1 Regional Geology 1:250,000	Page 2
4.1 Geology and Sample Location 1:10,000	In Pocket

SUMMARY

The Contact Creek property is located in the Stikine region of British Columbia. The property consists of 4 claims totalling 66 units and is owned by Homestake Mineral Development Company and Equity Silver Mines Ltd.

Work on the property was carried out on June 3 and June 14, 1989 and involved 1 : 10 000 scale mapping as well as the collection of 9 rock samples, 15 silt samples, and 3 heavy mineral samples.

Due to moderate snow cover, much of the property could not be properly examined. Therefore it is recommended that more work be carried out during August of this year. Work should include mapping and stream and rock sampling in the Contact Creek Valley which had the most snow cover.

1.0 INTRODUCTION

1.1 Location and Access

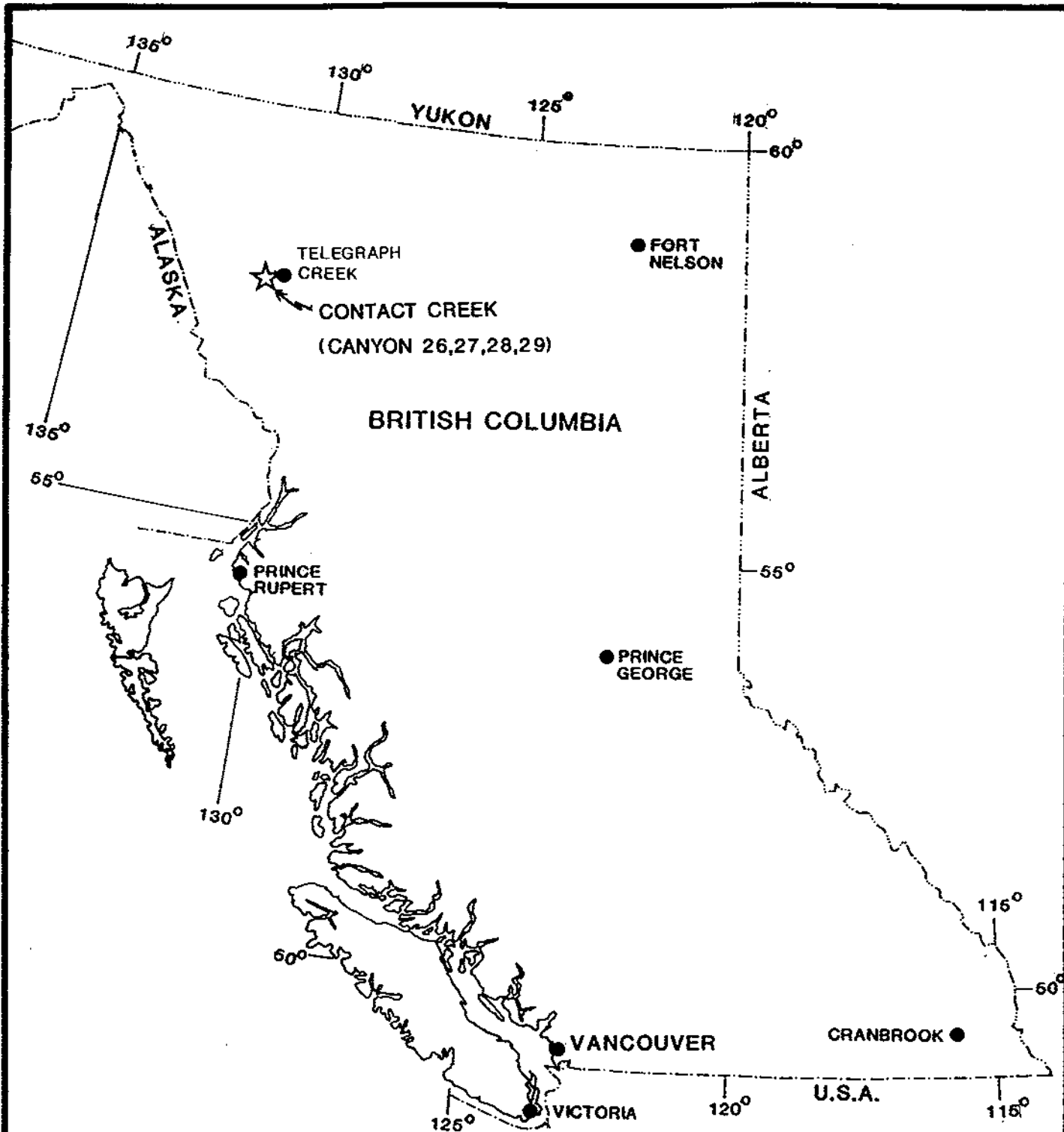
The Contact Creek property is located in the Stikine region of northwestern British Columbia approximately 88 km south west of the village of Telegraph Creek (Figure 1.1). The claims are centered at 57° 10' north latitude and 131° 37' longitude on NTS map sheet 104G/4.


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.

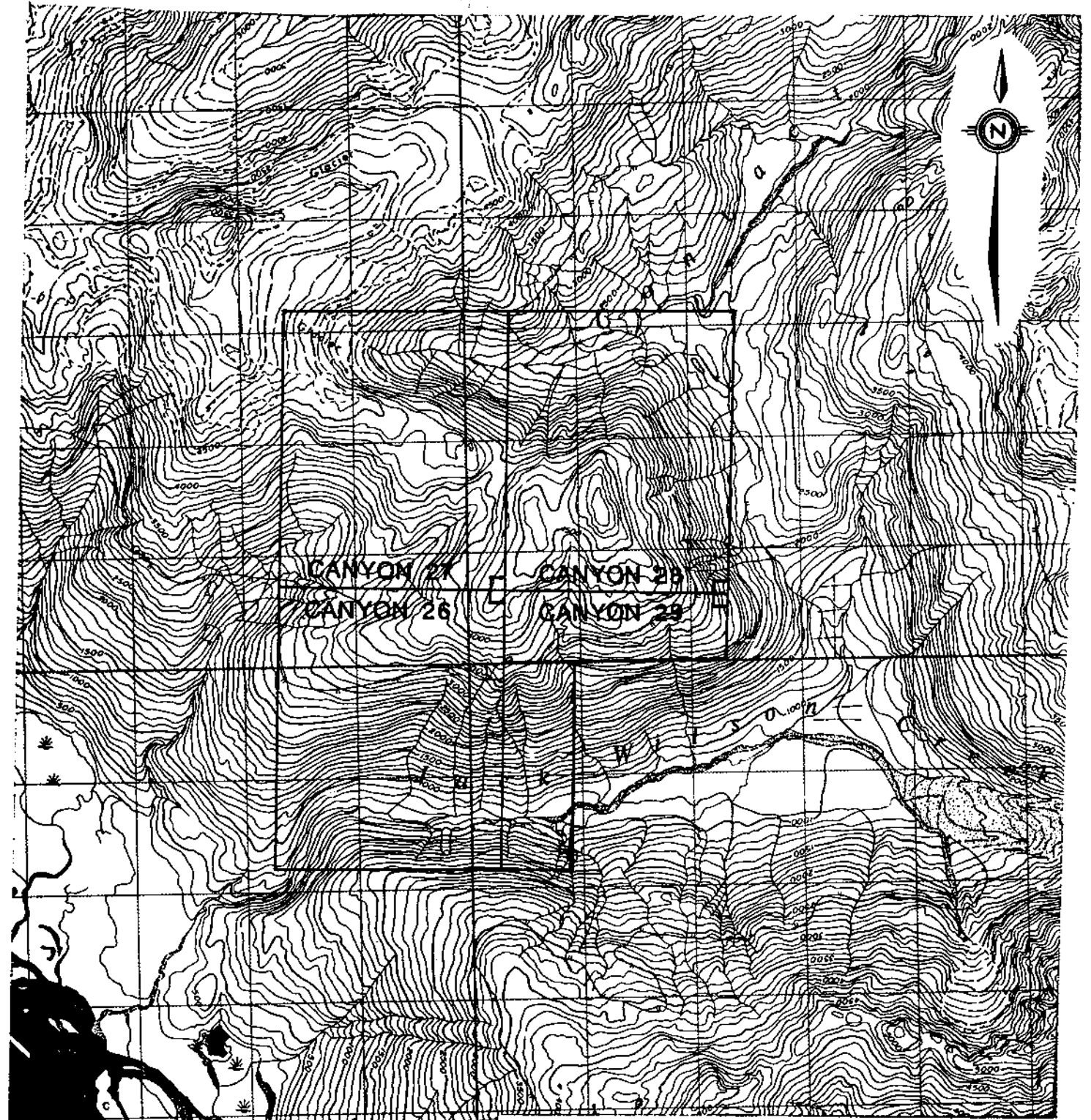
1.2 Claim Status

The Contact Creek property consists of 4 claims totalling 66 units. The claims were recorded on June 28, 1988 and are owned by Homestake Mineral Development Company and Equity Silver Mines Ltd. Assuming acceptance of this assessment work, claim data will be as follows:

CLAIM	UNITS	RECORD #	RECORDED	EXPIRYDATE
Canyon 26	20	4730	28/06/88	28/06/90
Canyon 27	20	4731	28/06/88	28/06/90
Canyon 28	20	4732	28/06/88	28/06/90
Canyon 29	6	4733	28/06/88	28/06/90



HOMESTAKE MINERAL DEVELOPMENT COMPANY			
GRAND CANYON PROJECT, B.C. CONTACT CREEK (CANYON 26,27,28,29)			
LOCATION MAP			
DRAWN KMc	DATE 11/87	FILE CODE 104G	FIGURE 1,1
Revised _____			



SCALE 1: 50,000

HOMESTAKE
MINERAL DEVELOPMENT COMPANY

CONTACT CREEK (CANYON 26,27,28,29)

DETAILED CLAIM LOCATION

DRAWN P.H.	DATE AUG. 10, 89	FILE CODE 104G/A	FIG. 2.2
Revised _____			

1.3 Physiography

The property covers a very steep sided mountain on the north side of Jack Wilson Creek. The elevation varies from 240 meters in Jack Wilson Creek to 1490 meters at the peak of the mountain.

Treeline is around 1060 meters on the south facing slope but drops to 700 meters on the north and east slopes. The vegetation includes spruce trees, with alders and devil's club forming a dense undergrowth.

1.4 Exploration History

There are no records of previous work on the property, but there has been some assessment work done immediately to the east of the property. An anomalous stream sediment sample from the B.C. regional geochemical sampling program of 1987 was found just off the property on Jack Wilson Creek.

1.5 Present Work

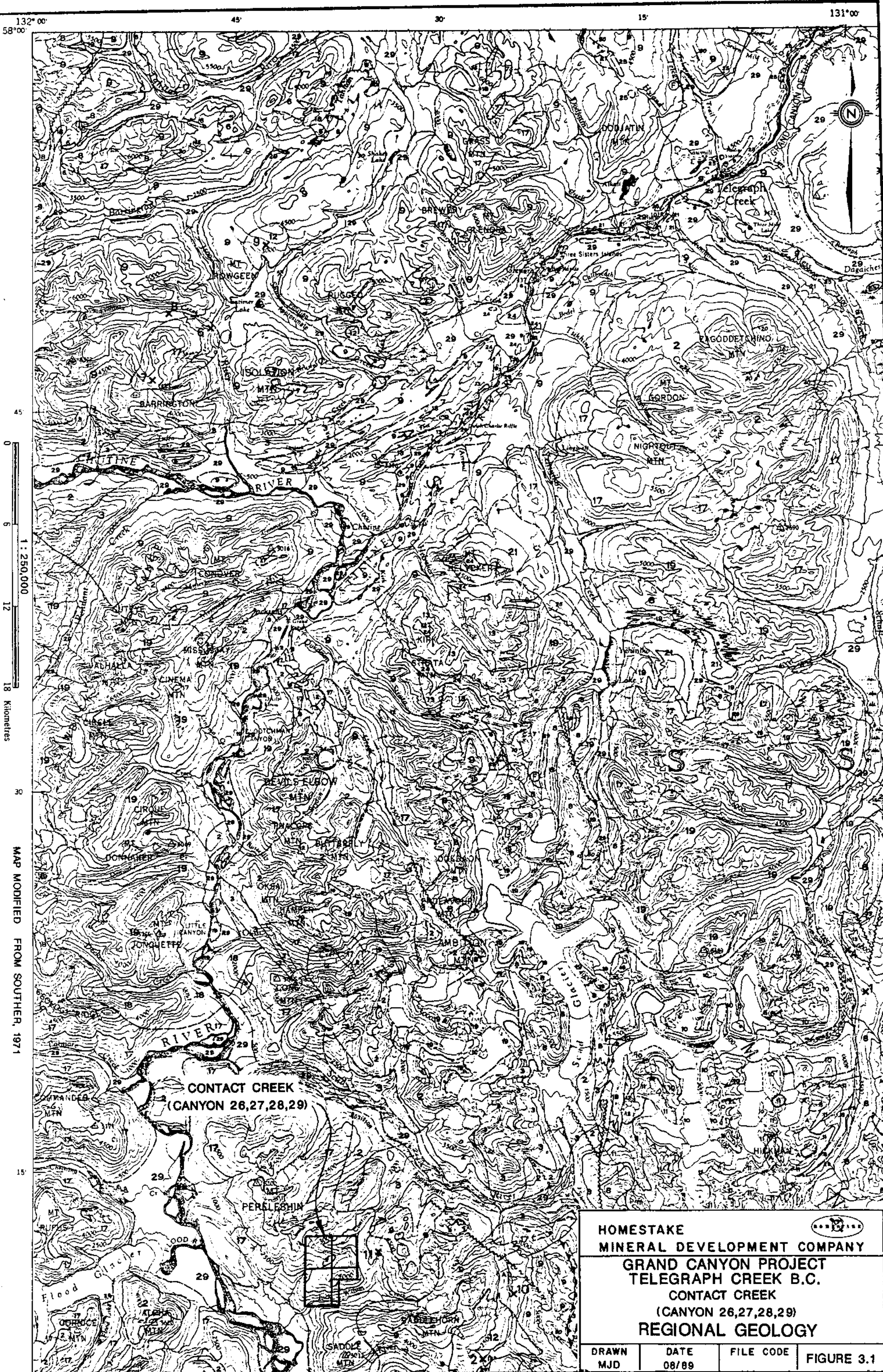
The 1989 work program outlined in this report was designed to locate areas of anomalous metal values and to assess the economic potential of the property. It consisted of rock sampling, stream sediment sampling and 1:10 000 scale geological mapping.


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.
CONTACT CREEK
(CANYON 26,27,28,29)
REGIONAL GEOLOGY

DRAWN MJD	DATE 08/89	FILE CODE	FIGURE 3.1
--------------	---------------	-----------	------------

132°00' 45' 30' 15' 131°00'
 58°00'
 45
 0
 6
 12
 18
 Kilometres
 9
 MAP MODIFIED FROM SOUTHER, 1971
 15

LEGEND

- QUATERNARY**
PLEISTOCENE AND RECENT
- 29 Fluvialite 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 28
- TERTIARY AND QUATERNARY**
UPPER TERTIARY AND PLEISTOCENE
- 26 Rhyolite and dacite flows, lava domes, pyroclastic rocks and related sub-volcanic intrusions; minor basalt
 - 25 Basalt, olivine basalt, dacite, related pyroclastic rocks and subvolcanic intrusions; minor rhyolite; in part younger than some 26
- 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 22. Biotite leucogranite, subvolcanic stocks, dykes and sills
 - 23 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 volcanoclastic 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 volcanoclastic rocks
- TRIASSIC AND JURASSIC**
POST-UPPER TRIASSIC PRE-LOWER JURASSIC
- 12 Syenite, orthoclase porphyry, monzonite, pyroxenite
- HICKMAN BATHOLITH**
- 10 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 6 to 8 inclusive)
 - 8 Andite-andesite flows, pyroclastic rocks, derived volcanoclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate
 - 7 Siltstone, thin-bedded siliceous siltstone, ribbon chert, calcareous and dolomitic 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
- 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

CENOZOIC

MESOZOIC

PALEOZOIC

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

INDEX TO MINERAL PROPERTIES

1. Lard 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 is divided into an eastern package of Permian phyllite, chert, and andesitic tuff in contact with a post Upper Triassic/pre-Lower Jurassic diorite. Several gossanous zones were looked at and found to be pervasively silicified andesitic tuffs typically carrying up to 5% very finely disseminated pyrite and 1% pyrrhotite.

4.0 GEOCHEMISTRY

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

4.1 Stream Sediment Samples

15 sediment samples were taken from the Contact Creek 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.

All the samples collected were weakly anomalous in gold ranging from 13 to 97 ppb with the exception of one sample which had a value of 1034 ppb gold. The samples were taken from Jack Wilson Creek and its tributaries along the northern slope.

4.2 Heavy Mineral Samples

3 heavy mineral samples were taken from Jack Wilson Creek and its tributaries. Stream sediment was sieved through a 20 mesh screen and collected in large plastic sample bags. A standard sample weight of 8kg was used. The samples were shipped to C.F. Mineral Research Ltd. of Kelowna, B.C. for heavy mineral and magnetic separation of the -150 mesh and 150-60 mesh fractions. The heavy non-magnetic fractions were then shipped to Acme Analytical Labs of Vancouver B.C. for analysis by 30-element ICP and gold by fire assay. A portion of each sample was retained and sent to Acme where it was analyzed in the same manner as the stream sediment samples.

The results from these samples were as follows:

sample #	geochemical	-60 to -150 mesh		-150 mesh	
		Ag(ppm)	Au(ppb)	Ag(ppm)	Au(ppb)
31449	123	0.1	44	0.6	1885
31452	220	0.1	675	0.1	3849
31457	630	0.2	18	3.3	19892

Samples with greater than 8000 ppb gold and/or 3.0 ppm silver are considered anomalous.

4.3 Rock Samples

6 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.

No anomalous values were present in any of the samples.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The Contact Creek property has some promising zones of gossanous rock in the andesitic tuff which should be mapped and sampled in detail once the snow cover is gone. Other work recommended consists of stream sediment sampling along Contact Creek and soil sampling along the base of the steep eastern slope.

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	4 days @ \$165/day	\$ 660.00
Senior Assistant	2 days @ \$115/day	\$ 230.00
Junior Assistant	2 days @ \$ 90/day	\$ 180.00
Food and Accommodation		
	8 mandays @ \$ 90/day	\$ 720.00
Geochemical Analysis + Freight		
Rock Samples	6 @ \$ 25/sample	\$ 150.00
Silt Samples	15 @ \$ 25/sample	\$ 375.00
Heavy Mineral Samples	3 @ \$100/sample	\$ 300.00
Supplies		\$ 200.00
Mob/Demob		\$ 200.00
Helicopter Support (including fuel)		
	5.6 hrs @ \$700/hr	\$3920.00
Report Preparation	2 days @ \$165/day	\$ 330.00
		=====
TOTAL		\$7576.00
+ 6% PAC account		\$ 455.00
		=====
TOTAL		\$8031.00

APPENDIX I
Analytical Results

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 HM ZX SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Soil -40 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

MASTER
NTS: 11-BC-1046
CONTACTOR: JV
RAB/ACI

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

HOMESTAKE MINERAL DEV. CO. PROJECT 5711 CC #10 File # 89-1828

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	St	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
31450	1	111	12	77	.2	22	14	598	3.90	21	5	ND	1	134	1	2	2	91	2.66	.123	7	36	.92	101	.08	4	1.35	.03	.15	1	19
31451	1	126	8	54	.1	39	15	556	4.10	8	5	ND	1	144	1	2	2	99	1.67	.219	10	72	1.13	101	.09	2	1.22	.03	.21	2	22
31453	1	121	12	54	1.0	42	15	542	4.50	7	5	ND	1	133	1	2	2	104	1.66	.212	9	82	1.14	105	.09	2	1.21	.03	.20	1	43
31454	1	135	8	60	.1	48	16	630	3.78	8	5	ND	1	127	1	2	2	95	1.50	.187	9	83	1.30	114	.09	6	1.35	.03	.22	1	22
31455	1	153	12	60	.1	47	16	625	3.86	6	5	ND	1	144	1	2	2	95	1.64	.194	9	78	1.25	112	.09	2	1.31	.03	.21	1	65
31456	1	127	15	63	.1	48	17	605	4.73	8	5	ND	1	130	1	2	2	106	1.51	.202	9	91	1.25	113	.09	2	1.31	.03	.21	1	32
31458	1	126	13	65	1.0	43	16	638	4.44	6	5	8	1	123	1	2	2	103	1.30	.200	9	81	1.19	116	.09	9	1.34	.03	.18	1	13
31459	1	166	14	86	.1	61	21	867	4.48	10	5	ND	1	111	1	2	2	100	1.19	.186	9	100	1.67	104	.10	3	1.69	.02	.19	1	57
31460	1	126	10	60	.1	44	16	657	4.26	7	5	ND	1	132	1	2	2	108	1.37	.217	10	80	1.25	138	.09	2	1.36	.03	.19	1	34
31461	1	113	10	59	.1	38	15	654	4.45	7	5	ND	1	136	1	2	2	111	1.45	.216	10	72	1.16	144	.09	10	1.31	.03	.17	1	83
31462	1	101	7	80	.2	34	16	1028	3.70	4	7	ND	1	141	1	2	2	77	1.52	.164	14	59	1.22	249	.05	3	1.57	.02	.11	1	13
31463	1	126	11	58	1.0	40	16	579	4.56	7	5	5	1	138	1	2	2	105	1.55	.220	10	81	1.31	105	.09	10	1.22	.03	.20	1	1034
31464	1	130	14	63	.1	39	15	608	3.93	9	5	ND	1	131	1	2	2	98	1.45	.203	10	68	1.12	115	.09	4	1.27	.03	.18	1	16
31465	1	125	8	59	.1	42	16	620	4.28	10	5	ND	1	117	1	2	2	105	1.30	.201	9	77	1.22	107	.09	8	1.33	.03	.20	1	38
31466	1	91	8	110	.2	19	17	931	4.25	11	5	ND	1	68	1	2	2	86	1.35	.180	8	28	1.01	148	.08	12	1.81	.02	.21	1	20
STD C/AU-S	17	58	42	132	6.7	68	31	953	3.97	40	18	6	36	49	18	14	23	59	.48	.087	39	56	.81	178	.07	35	1.82	.06	.14	11	52

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 NH FE SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: M.M. AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

MASTER
 NTS: STIKINE/CONTACT CLK
 11-BC-1046
 DAB/ALCT.

DATE RECEIVED: JUN 29 1989 DATE REPORT MAILED: July 11/89. SIGNED BY: C. Long, D. FOTE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

HOMESTAKE MINERAL DEV. PROJECT 5711 CC 29 #28 File # 89-1844

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Zn	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	AU*	H.M.	H.M.	MAG.
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	%	GN	KT
31449	1	170	15	50	.3	35	20	620	5.90	2	5	ND	1	360	1	2	2	210	3.65	.345	15	80	1.05	490	.30	5	1.55	.05	.25	2	123	3.76	21.30	1.1
31452	1	122	11	43	.7	30	14	540	5.26	12	5	ND	2	298	1	2	2	165	2.81	.342	16	74	1.00	326	.15	4	1.48	.02	.14	3	220	3.92	20.80	1.8
31457	1	141	12	40	.3	29	14	590	4.99	14	5	ND	3	295	1	4	2	175	3.06	.357	16	69	.93	386	.15	6	1.37	.02	.19	2	630	4.36	26.80	2.4

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 1ML 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 NH FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GN SAMPLE.

MASTER
 NTS: STIKINE/CONTACT CK.
 11. BC. 1046
 DMB/ACT.

DATE RECEIVED: JUN 29 1989 DATE REPORT MAILED: July 5/89 SIGNED BY: C. Long, D. TOTE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

HOMESTAKE MINERAL DEV. CO. PROJECT 5711 CC 28 #27 File # 89-1843

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPM
CC 28-1 31115	2	55	78	36	1.3	5	1	46	49	9	5	ND	1	3	1	3	2	1	.02	.001	2	9	.01	6	.01	2	.03	.01	.01	4	5
CC 28-1 31248	2	53	12	60	.2	17	13	347	3.69	9	5	ND	1	.69	1	2	2	24	1.38	.084	5	15	.93	46	.04	2	.99	.02	.14	1	2
CC 28-1 31249	3	64	9	38	.3	22	14	157	3.54	2	5	ND	2	.37	1	2	2	34	.65	.091	6	21	.54	22	.17	2	.68	.03	.05	2	2
CC 28-1 31508	1	6	6	45	.1	8	14	984	3.61	2	5	ND	1	282	1	2	2	41	6.51	.118	4	7	1.64	718	.01	3	.44	.04	.26	1	1
CC 28-1 31509	1	92	4	52	.1	1	18	1170	4.43	4	5	ND	1	439	1	2	2	20	5.56	.198	6	1	1.57	68	.01	2	.68	.01	.31	1	2
CC 28-1 31561	2	51	4	36	.2	21	10	144	2.88	5	5	ND	1	27	1	2	2	41	.58	.081	7	22	.59	28	.14	2	.75	.04	.12	1	5
STD C/AU-R	18	62	41	132	6.8	68	31	960	4.11	39	22	7	38	49	18	15	21	59	.52	.089	39	56	.91	173	.07	38	2.02	.06	.13	11	490

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 NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Pulp AU** ANALYSIS BY FA/ICP FROM TOTAL SAMPLE.

DATE RECEIVED: JUL 18 1989 DATE REPORT MAILED: July 29/89 SIGNED BY: C. Long, D. TOTZ, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

HOMESTAKE MINERAL DEV. CO. PROJECT 5711 File # 89-2244 Page 1

SAMPLE#	NO	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Ng	Ba	Ti	B	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
CC-29-4-31152 -60+150	2	520	8	43	.1	22	20	136	2.24	18	5	ND	2	58	1	2	2	23	1.03	.274	10	26	.45	63	.06	2	.34	.01	.06	44	675
CC-29-4-31157 -60+150	1	425	8	25	.2	16	17	149	2.27	15	5	ND	1	88	1	2	2	27	.69	.162	7	19	.40	56	.06	5	.32	.01	.08	10	18
DD054-31170 -60+150	3	255	38	25	.3	57	61	144	12.78	23	5	ND	2	25	1	2	2	25	.43	.062	7	19	.31	8	.07	8	.37	.01	.02	2	20
DD054-31171 -60+150	3	879	220	143	19.9	49	297	120	21.51	82	5	52	14	20	1	2	15	11	.38	.030	6	4	.15	5	.03	2	.20	.01	.02	108	1061
GR-8-4-31028 -60+150	1	713	67	97	2.5	31	144	100	13.55	210	5	ND	3	23	1	2	2	37	.67	.071	7	5	.20	7	.10	5	.51	.01	.01	1	6300
GR074-31081 -60+150	2	229	20	48	.3	22	78	284	6.42	43	5	ND	2	62	1	2	2	74	.98	.069	7	8	.53	11	.15	6	.84	.01	.01	1	191
BNG-13-4-31055 -60+150	3	525	43	203	3.3	91	99	166	20.83	259	5	3	2	12	4	3	2	27	.44	.035	4	17	.29	6	.07	33	.39	.01	.01	1	146
BNG-13-4-31057 -60+150	2	218	22	224	1.0	30	94	202	16.32	103	5	1	7	31	5	2	2	31	.59	.065	5	8	.32	13	.11	2	.41	.01	.01	1	2167
LC824-31154 -60+150	1	154	28	34	.1	10	9	121	1.58	14	5	ND	16	15	1	2	2	27	.30	.025	4	18	.27	45	.07	2	.28	.01	.01	22	63
LC824-31177 -60+150	1	100	3	18	1.9	7	4	97	.80	14	5	ND	3	16	1	2	2	24	.30	.023	7	20	.21	128	.09	2	.24	.01	.01	7	1255
LC82-4-31085 -60+150	3	680	152	342	7.3	117	98	135	24.18	408	5	5	2	32	6	30	2	23	.35	.030	2	8	.16	6	.02	3	.24	.01	.02	13	526
LC11-4-31153 -60+150	5	178	16	78	.1	21	17	193	3.70	52	5	ND	27	21	1	5	2	43	.51	.046	20	13	.32	76	.16	5	.35	.01	.02	56	16031
CN17-2-31097 -60+150	4	1042	16	53	.3	29	31	150	3.56	51	18	ND	122	24	1	2	2	42	.64	.062	16	12	.54	28	.22	4	.34	.01	.01	11	38
CN10-4-21167 -60+150	1	223	2	19	.1	93	9	99	.72	4	5	ND	4	11	1	2	2	9	.36	.052	5	28	1.39	96	.04	8	.19	.01	.01	1	5
WC20-4-31069 -60+150	1	71	9	66	.1	51	82	144	4.50	16	5	ND	21	19	1	2	3	14	.85	.054	102	6	.22	26	.10	2	.24	.01	.01	1	13
WC214-31094 -60+150	2	188	30	71	2.4	36	159	68	8.21	113	5	ND	31	24	2	3	3	13	1.30	.158	47	5	.17	15	.08	3	.30	.01	.01	39	44
CC-29-4-31149 -60+150	1	579	14	72	.1	25	39	138	5.51	19	5	ND	1	58	1	2	2	24	.46	.084	1	16	.34	28	.05	2	.29	.01	.08	5	141
NK-53-4-31374 -60+150	1	76	9	34	.1	19	20	227	1.99	9	5	ND	1	18	1	2	2	55	1.03	.074	5	21	.73	62	.61	2	.59	.01	.13	1	6
BR32-4-31611 -60+150	5	860	272	311	42.6	179	116	225	26.06	186	5	34	8	22	3	11	97	19	.41	.033	4	9	.20	7	.15	7	.30	.01	.01	22	99999 *
BR32-4-31612 -60+150	34	1236	885	871	9.3	76	144	153	17.20	637	105	ND	507	31	9	4	86	34	.88	.120	101	7	.17	14	.14	8	.43	.01	.04	103	117
BR-32-4-31530 -60+150	5	1062	156	471	5.4	183	126	257	24.30	213	5	3	9	23	6	3	2	43	.51	.051	5	6	.27	6	.25	2	.43	.01	.01	4	2953
KB84-4-31243 -60+150	9	86	11	46	.1	22	72	215	19.82	19	5	4	6	33	3	11	2	66	.34	.067	22	17	.32	9	.03	2	.38	.01	.01	1	8
DD24-4-31298 -60+150	3	801	50	33	.6	19	52	124	2.59	31	5	ND	23	22	1	3	2	20	.34	.039	13	20	.36	50	.07	6	.32	.01	.01	35	10
STD C/AU-S	18	56	43	132	7.1	67	28	925	3.85	43	16	7	36	47	18	14	21	58	.48	.093	38	54	.95	175	.07	34	1.88	.06	.14	11	49

* Gold values ≈ 106000 ppt.

SAMPLE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Hg	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
CC-25-4-31452 -150	1	538	16	57	.1	31	21	244	2.06	39	5	ND	10	326	1	2	2	55	3.29	.993	30	40	.67	61	.08	7	.64	.02	.08	73	3849
CC-29-4-31457 -150	7	557	36	52	3.3	25	25	323	3.49	92	5	12	8	634	1	2	2	88	5.96	1.850	55	29	.58	51	.07	9	.69	.02	.10	72	19892
DD054-31170 -150	6	193	29	53	.7	62	61	408	12.40	23	5	ND	5	42	1	2	2	64	1.18	.277	22	28	.47	27	.08	4	.67	.01	.03	1	156
DD054-31171 -150	5	772	55	82	5.1	43	239	150	14.33	71	65	ND	228	26	1	3	52	15	1.09	.224	19	5	.17	8	.06	3	.32	.02	.02	253	11215
GK-8-4-31028 -150	1	68	11	39	6.8	5	9	237	1.27	12	5	49	8	29	1	2	2	60	2.65	.286	10	8	.44	30	.22	17	1.52	.01	.01	7	12123
GX074-31081 -150	1	321	43	89	4.9	27	122	239	15.10	246	5	6	5	23	2	2	2	49	1.81	.270	11	4	.23	8	.13	8	1.01	.01	.02	1	20361
BHG-13-4-31055 -150	2	413	44	145	3.0	77	104	335	16.21	399	5	3	5	30	1	8	5	53	.86	.089	9	19	.49	9	.12	50	.74	.01	.02	1	5809
BHG-13-4-31057 -150	1	242	45	95	3.1	33	115	197	19.97	162	5	6	3	21	1	2	3	35	1.05	.157	7	6	.21	7	.12	5	.55	.01	.01	1	2622
LC024-31154 -150	3	107	14	68	5.3	11	11	219	2.12	49	5	21	5	36	1	2	2	54	.97	.149	11	20	.46	71	.12	5	.54	.01	.01	99	18225
LC024-31177 -150	2	138	15	53	6.5	12	10	168	1.99	43	5	22	13	56	1	2	2	44	1.27	.289	19	22	.32	66	.15	2	.48	.01	.04	204	20225
LC02-4-31065 -150	6	897	198	379	11.9	123	151	261	26.79	942	5	4	5	46	5	29	2	35	.62	.061	5	9	.22	4	.05	3	.33	.01	.04	36	19175
LC11-4-31155 -150	5	145	15	59	27.2	19	17	229	3.40	58	5	104	30	87	1	6	2	56	1.78	.420	31	15	.40	73	.14	7	.65	.02	.05	475	99999*
CN17-3-31097 -150	15	1430	125	77	.6	28	41	156	2.96	166	5	2	440	50	1	2	19	32	4.10	1.021	79	11	.24	30	.12	17	.26	.01	.02	134	2238
CN10-4-31167 -150	1	156	10	32	.1	352	28	377	2.23	43	5	ND	14	16	1	2	2	17	.59	.153	10	30	5.17	51	.05	8	.23	.01	.02	1	60
NC20-4-31089 -150	3	190	15	133	.3	85	127	207	6.73	127	5	ND	73	25	1	2	7	19	1.16	.117	160	5	.20	31	.13	5	.29	.01	.02	23	194
NC214-31094 -150	5	179	34	59	1.0	31	103	86	4.83	178	40	ND	170	34	1	2	13	13	2.55	.457	42	4	.22	32	.09	7	.39	.02	.02	83	335
CC-29-4-31449 -150	3	1112	44	80	.6	49	77	276	11.05	111	5	ND	5	408	2	2	2	60	3.59	1.090	32	25	.45	14	.06	2	.50	.01	.09	21	1883
NK-33-4-31374 -150	1	117	27	68	.1	25	31	313	2.76	21	5	ND	21	129	1	2	3	43	3.75	.946	34	31	.77	50	.16	2	.67	.01	.11	2	1683
BR32-4-31611 -150	7	1259	119	256	38.2	204	130	368	24.15	328	5	28	17	64	2	6	15	24	1.25	.380	21	13	.34	6	.19	5	.54	.01	.03	36	77034
BR32-4-31612 -150	70	943	861	539	7.7	43	89	145	4.66	980	1300	ND	2012	33	6	6	170	37	1.60	.371	88	7	.11	29	.14	10	.38	.02	.04	196	1941
BR-32-4-31510 -150	7	1230	212	406	19.8	204	160	396	27.09	600	5	28	15	64	4	5	2	23	.98	.251	17	7	.22	7	.11	6	.39	.01	.02	1	13063
MB84-4-31243 -150	2	129	28	65	.1	17	38	519	5.56	27	5	ND	16	45	2	2	9	51	2.01	.675	70	16	.33	203	.10	2	.80	.02	.02	3	195
DB24-4-31398 -150	10	407	116	49	4.9	26	43	289	3.82	62	5	12	58	78	1	2	6	56	1.12	.187	47	18	.60	76	.09	2	.72	.01	.02	68	1924
STD C/AU-S	10	59	42	132	7.1	70	29	1029	3.96	42	22	7	36	47	18	15	22	58	.46	.094	37	54	.95	182	.07	34	1.92	.06	.14	11	52

* Gold value \approx 125000 ppb

APPENDIX II
Sample Summary

CONTACT CREEK GEOCHEM (CN 26-29)

STIKINE GEOCHEM RESULTS

CLAIM GROUP	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DESCRIPTION	MINERALIZATION	Au ppb	Cu ppm	Pb ppm	Zn ppm	Mo ppm	W ppm	Sb ppm	As ppm
CC-29	31449	silt			123	170	15	50	1	2	2	2
	31449	h.min.	-60+150 mesh		44	579	14	72	1	5	2	19
	31449	h.min.	-150 mesh		1885	1112	44	80	3	21	2	111
CC-29	31450	silt	<5% org., grey, sand to fine gravel		19	111	12	77	1	1	2	21
CC-29	31451	silt	45% org., grey, sandy gravel		22	126	8	54	1	2	2	8
CC-29	31452	silt			220	122	11	43	1	3	2	12
	31452	h.min.	-60+150 mesh		675	520	8	43	2	44	2	18
	31452	h.min.	-150 mesh		3849	538	16	57	1	73	2	39
CC-29	31453	silt	<5% org., grey sand		43	121	12	54	1	1	2	4
CC-29	31454	silt	<5% org., sandy silt		22	135	8	60	1	1	2	3
CC-29	31455	silt	<5% org., sandy silt		65	153	12	60	1	1	2	6
CC-29	31456	silt	<5% org., grey sandy		32	127	15	63	1	1	2	3
CC-29	31457	silt			630	141	12	40	1	2	4	14
	31457	h.min.	-60+150 mesh		18	425	8	25	1	10	2	15
	31457	h.min.	-150		19892	557	36	52	7	72	2	92
CC-29	31458	silt	<5% org., grey sandy	(?8ppm Au?)	13	126	13	65	1	1	2	6
CC-29	31459	silt	15-20% org., dk. grey, clay silt		97	166	14	86	1	1	2	10
CC-29	31460	silt	15-20% org, dk gr, silty sand		34	126	10	60	1	1	2	7
CC-29	31461	silt	10% org., grey-brown, sandy silt		83	113	10	59	1	1	2	7
CC-26	31462	silt	10-15% org, grey/brown, sandy		13	101	7	80	1	1	2	4
CC-26	31463	silt	10%org, grey, sandy silt	(5ppm Au?)	1034	126	11	58	1	1	2	7
CC-26	31464	silt	10% org, grey, silty gravel		16	130	14	63	1	1	2	9
CC-26	31465	silt	5% org, grey, sandy w/ gravel		38	125	8	55	1	1	2	10
CC-26	31466	silt	10%org, grey/brown, gravel		20	91	8	110	1	1	2	11
CC-28	31115	o/c	qtz. vein in f.g. sediment	5% euh. Py	5	55	78	36	2	4	3	9
CC-28	31248	o/c	fg. dk. gy siltstone with argillite	1-5% Py (1-2% euh. Py)	2	53	12	68	2	1	2	9
CC-28	31249	o/c	andesite tuff, bleached yellow-gy		2	64	9	38	3	2	2	2
CC-28	31508	o/c			1	6	6	45	1	1	2	2
CC-28	31509	o/c			2	82	4	52	1	1	2	4
CC-28	31561	o/c			5	53	4	36	1	1	2	5

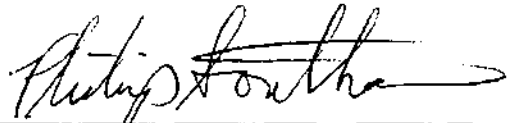
APPENDIX III

Statement of Qualifications

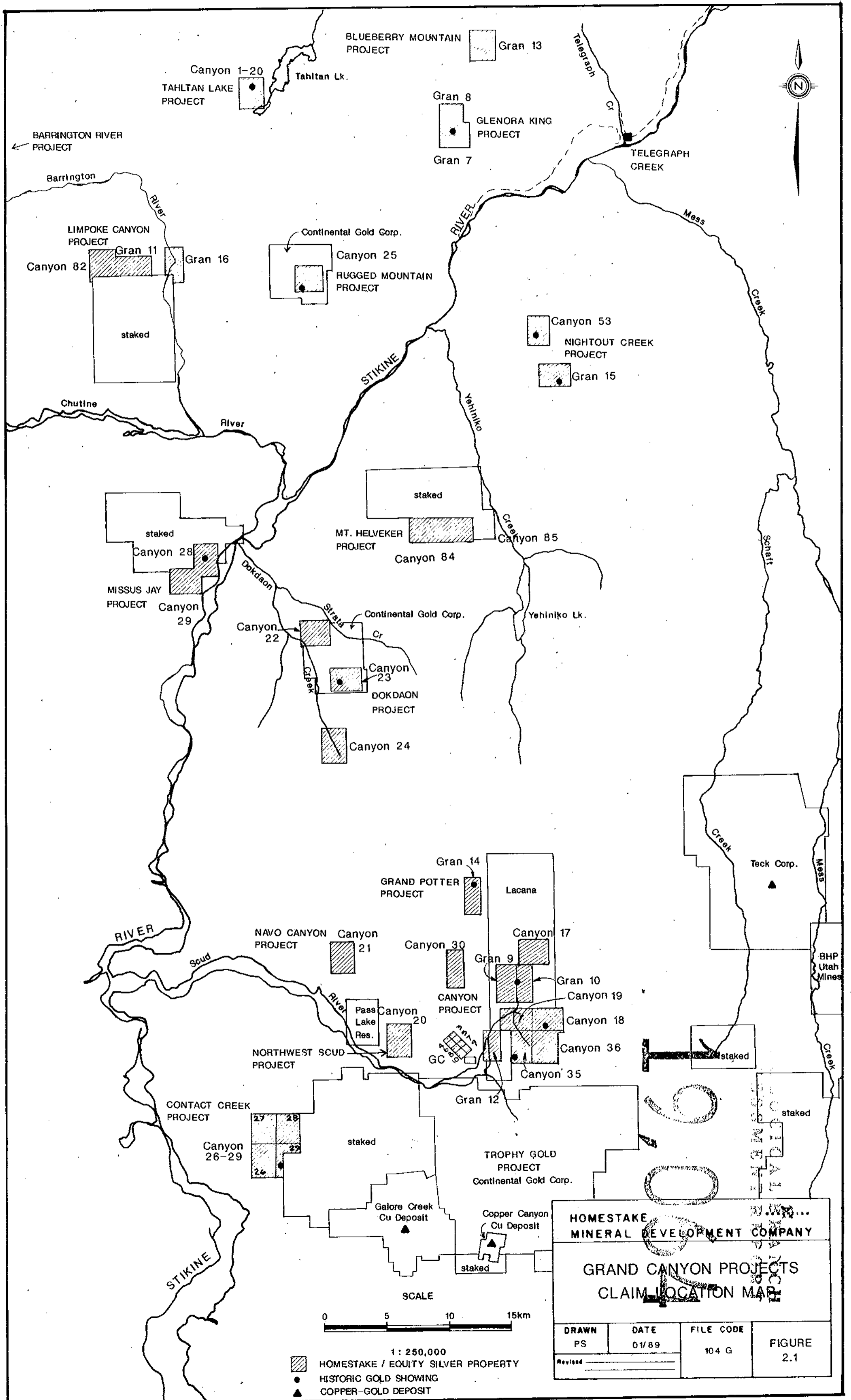
STATEMENT OF QUALIFICATIONS

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



BLUEBERRY MOUNTAIN PROJECT Gran 13

Canyon 1-20
TAHLTAN LAKE PROJECT

Gran 8
GLENORA KING PROJECT
Gran 7

BARRINGTON RIVER PROJECT

TELEGRAPH CREEK

LIMPOKE CANYON PROJECT
Gran 11
Canyon 82
staked
Gran 16

Continental Gold Corp.
Canyon 25
RUGGED MOUNTAIN PROJECT

Canyon 53
NIGHTOUT CREEK PROJECT
Gran 15

staked
Canyon 28

staked
MT. HELVEKER PROJECT
Canyon 84
Canyon 85

MISSUS JAY PROJECT
Canyon 29

Continental Gold Corp.
Canyon 22
Canyon 23
DOKDAON PROJECT
Canyon 24

Gran 14
GRAND POTTER PROJECT
Lacana

NAVO CANYON PROJECT
Canyon 21

Canyon 30
Gran 9
Canyon 17
Gran 10
Canyon 19

Pass Lake Res.
Canyon 20
NORTHWEST SCUD PROJECT

CANYON PROJECT
Canyon 18
Canyon 36
Canyon 35

CONTACT CREEK PROJECT
Canyon 26-29

Gran 12
TROPHY GOLD PROJECT
Continental Gold Corp.

Galore Creek Cu Deposit
Copper Canyon Cu Deposit

HOMESTAKE MINERAL DEVELOPMENT COMPANY
GRAND CANYON PROJECTS CLAIM LOCATION MAP

SCALE
0 5 10 15km

1:250,000
 ▨ HOMESTAKE / EQUITY SILVER PROPERTY
 ● HISTORIC GOLD SHOWING
 ▲ COPPER-GOLD DEPOSIT

DRAWN PS	DATE 01/89	FILE CODE 104 G	FIGURE 2.1
Revised			



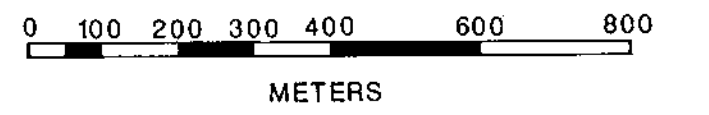
LEGEND

- ⊗ 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) Heavy Mineral - 150 mesh
(500) (2000) Heavy Mineral - 60 + 100 mesh
- Py Pyrite
 - Po/Pr Pyrrhoite
 - Mg/Mag Magnetite
 - qtz vn Quartz Vein
 - Sil Silicified
 - EP Epidote
 - Bi Biotite
 - cp Calcophyrite
 - F.G Fine Grained

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,064

SCALE 1:10,000



HOMESTAKE MINERAL DEVELOPMENT COMPANY			
CONTACT CREEK PROPERTY B.C.			
(CANYON 26,27,28,29)			
GEOLOGY AND SAMPLE LOCATIONS			
DRAWN P.H.	DATE JULY, 26, 1989	FILE CODE 104 G / 4	FIG. 4.1

338 000 E

339 000 E

340 000 E

341 000 E

342 000 E

343 000 E

6 343 000 N

6 342 000 N

6 341 000 N

6 340 000 N

6 339 000 N

6 338 000 N

57° 10' N