

LOG NO. 0119

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ACTIV.

FILE NO.

1988 SUMMARY REPORT
ON THE
JACK CLAIM

Located in the Galore Creek area

Liard Mining Division

NTS 104G/4E

57° 09' North Latitude

131° 34' West Longitude

-prepared for-
CONSOLIDATED SILVER STANDARD MINES LIMITED

-prepared by-
Henry J. Awmack, P.Eng.
October, 1988

GEOLOGICAL BRANCH
ASSESSMENT REPORT

1988 SUMMARY REPORT ON THE JACK CLAIM

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1.0 INTRODUCTION

The Jack claim was staked in August 1986 on the north slope of Saddlehorn Mountain in the Liard Mining Division, approximately 180 kilometers northwest of Stewart in northwestern British Columbia (Figure 1). Four man-days of prospecting and geochemical sampling were spent on the property during August 1988. The numerous precious metals occurrences discovered throughout the Galore Creek district during 1987 and 1988 have sparked renewed exploration interest in the area.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claim is owned by Consolidated Silver Standard Mines Limited (Figure 2).

Claim Name	Record Number	No. of Units	Record Date	Expiry Year
Jack	3643	20	Sept. 19, 1986	1988

The location of the legal corner post has not been verified by the author.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Jack claim is located within the Coast Range Mountains approximately 180 kilometers northwest of Stewart and 80 kilometers south of Telegraph Creek in northwestern British Columbia (Figure 1). It lies within the Liard Mining Division, centered at 57° 09' north latitude and 131° 34' west longitude.

Access to the Jack property is provided by helicopter from

**PROPERTY
LOCATION**



**CONSOLIDATED SILVER STANDARD
MINES LIMITED**

**JACK CLAIM
PROPERTY LOCATION MAP**

0 100 200 MILES
0 100 200 KILOMETRES

EQUITY ENGINEERING LTD.

Drawn:	J.W.	N.T.S.	104G/4E	Date	Oct. 1988	FIG. No.	I.
--------	------	--------	---------	------	-----------	----------	----

the Scud River airstrip which is located approximately twenty kilometers to the northwest, or from the Bronson Creek airstrip which is located approximately 65 kilometers to the southeast. Fixed-wing aircraft fly charters from Smithers, Dease Lake and Telegraph Creek to the Scud River airstrip and scheduled flights from Smithers and Terrace to the Bronson Creek airstrip during the field season. Throughout the 1988 field season, a helicopter was stationed in Continental Gold Corp.'s camp approximately fifteen kilometers northwest of the Jack claim.

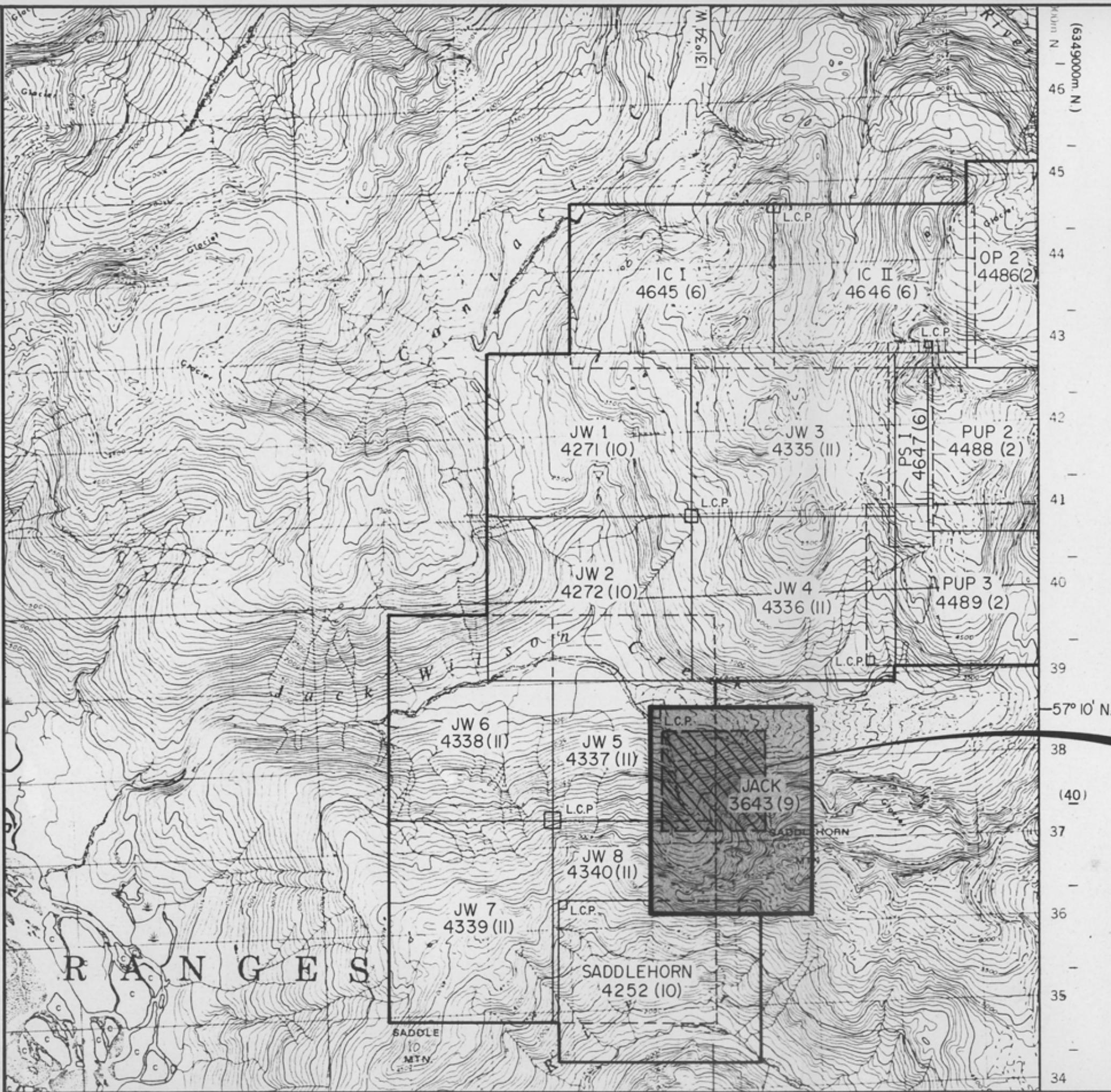
The Jack claim covers the northwest face of Saddlehorn Mountain and part of the Jack Wilson Glacier. Topography is rugged, typical of mountainous and glaciated terrain, with elevations ranging from 365 meters in the Jack Wilson Creek valley to over 2100 meters on the peak of Saddlehorn Mountain.

Lower slopes are covered by a dense growth of hemlock and spruce with an undergrowth of devil's club and huckleberry. Steeper open slopes are covered by dense slide alder growth. Above treeline, which occurs at approximately 750 meters, more open alpine vegetation occurs. Both summer and winter temperatures are moderate although annual rainfall may exceed 200 centimeters and several meters of snow commonly fall at higher elevations.

4.0 PROPERTY MINING HISTORY

4.1 Previous Work

Kennco Explorations Limited explored the Jack Wilson Creek area immediately northwest of the Jack claim for its copper potential following the discovery of the Galore Creek copper-gold porphyry deposit in 1955 (Rayner, 1963). Conwest Explorations conducted regional mapping and sampling over the area, taking one



(6349000m. N.)
46
45
44
43
42
41
40
39
38
37
36
35
34

57° 10' N.

Area covered by Figure 4

I: 50,000
Km 0 0.5 1 2 3 Km



CONSOLIDATED SILVER STANDARD MINES LIMITED			
JACK CLAIM			
CLAIM MAP			
LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD.			
DRAWN. J.W.	N.T.S. 104G/4E	DATE. Oct. 1988	FIGURE. 2

silt sample and one rock sample from the area presently covered by the Jack claim (Grant, 1964).

No work is recorded on the Jack claim until 1987, when limited geological mapping, prospecting and geochemical sampling were done (Folk, 1987).

4.2 1988 Work Program

During August 1988, a four man crew spent one day prospecting and sampling the Jack claim. A total of ten soil samples and twenty-seven rock samples were taken. Soil samples were taken at 25 meters intervals along the 650 meter contour lines, near the base of Saddlehorn Mountain on the northwestern corner of the Jack claim. Wherever possible, soil samples were taken from the red-brown B horizon. Samples were sieved to minus 80 mesh in the laboratory and analysed geochemically for gold, silver, copper, molybdenum, lead, zinc, arsenic and antimony (Figure 4).

Rock samples were taken from zones of alteration and mineralization and analysed geochemically for gold and 32-element ICP (Figure 4). Two rock samples returning geochemical values in excess of 2000 parts per billion gold were fire assayed for gold, silver and any significant base metals. Rock descriptions are attached in Appendix C, and analytical certificates form Appendix D.

5.0 REGIONAL GEOLOGY

The Galore Creek area lies on the western margin of the Intermontane Belt within the Stikine Arch near its contact with the Coast Plutonic Complex (Figure 3). A sequence of Paleozoic

LEGEND

QUATERNARY PLEISTOCENE AND RECENT	
29	Fluvial gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium
CRETACEOUS AND TERTIARY UPPER CRETACEOUS AND LOWER TERTIARY	
	SUSTUT GROUP
CENOZOIC	
19	Medium-to coarse-grained, pink biotite-hornblende quartz monzonite
JURASSIC AND/OR CRETACEOUS POST-UPPER TRIASSIC PRE-TERTIARY	
17	Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite
JURASSIC	
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
HICKMAN BATHOLITH	
10, 11	10. Hornblende granodiorite, minor hornblende-quartz diorite 11. Hornblende, quartz diorite, hornblende-pyroxene diorite, amphibolite and pyroxene-bearing amphibolite
MESOZOIC	
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
PERMIAN	
MIDDLE AND UPPER PERMIAN	
3	Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff
PALEOZOIC	
PERMIAN AND OLDER	
2	Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone
6	Amphibolite, amphibolite gneiss; age unknown probably pre-Upper 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	
Glacier	



SCALE 1:250,000



CONSOLIDATED SILVER STANDARD MINES LIMITED

JACK CLAIM REGIONAL GEOLOGY

LIARD MINING DIVISION, B.C.
N.T.S. 104 G/3W & 4E

EQUITY ENGINEERING LTD.

DRAWN.	PROJECT	DATE	FIGURE
J. W.	KEY88-02	October, 1988	3

to middle Triassic oceanic sediments is unconformably overlain by Upper Triassic Hazelton Group island arc volcanics and sediments. These have been intruded by Upper Triassic to Lower Jurassic syenitic stocks and by Jurassic to Lower Cretaceous quartz diorite and granodiorite plutons of the Coast Plutonic Complex.

The oldest rock assemblage in the Galore Creek area consists of Permian bioclastic limestone (Unit 3) overlying metamorphosed sediments and volcanics (Unit 2) and crinoidal limestone (Unit 1).

Unconformably overlying the Permian limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments (Units 5 through 8). In the Galore Creek area, Souther (1971) grouped these volcanic and sedimentary members in Unit 9, noting however that it was composed predominantly of augite andesite breccia, conglomerate and volcanic sandstone. This volcanosedimentary package is correlative with that which hosts the SNIP and Stonehouse gold deposits of the Iskut River district approximately 65 kilometers to the south.

Subvolcanic syenite and orthoclase porphyry stocks (Unit 12), dated as Late Triassic to Early Jurassic by Souther (1971), intrude all older stratified rocks. The Galore Creek copper-gold porphyry deposit, whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 ppb gold (Allen et. al., 1976), is hosted by Upper Triassic volcanics intruded by syenitic stocks. Orthoclase porphyry or syenite stocks are associated with most significant precious metals deposits in the Stewart, Sulphurets and Iskut River districts, including the Silbak Premier, Sulphurets, and SNIP deposits.

Jurassic and Cretaceous granodiorite to quartz diorite batholiths (Unit 17) of the Coast Plutonic Complex intrude all older lithologies. Souther (1971) incorrectly shows almost the

entire Jack Wilson Creek drainage to be underlain by one of these batholiths (Figure 3).

6.0 PROPERTY GEOLOGY AND GEOCHEMISTRY

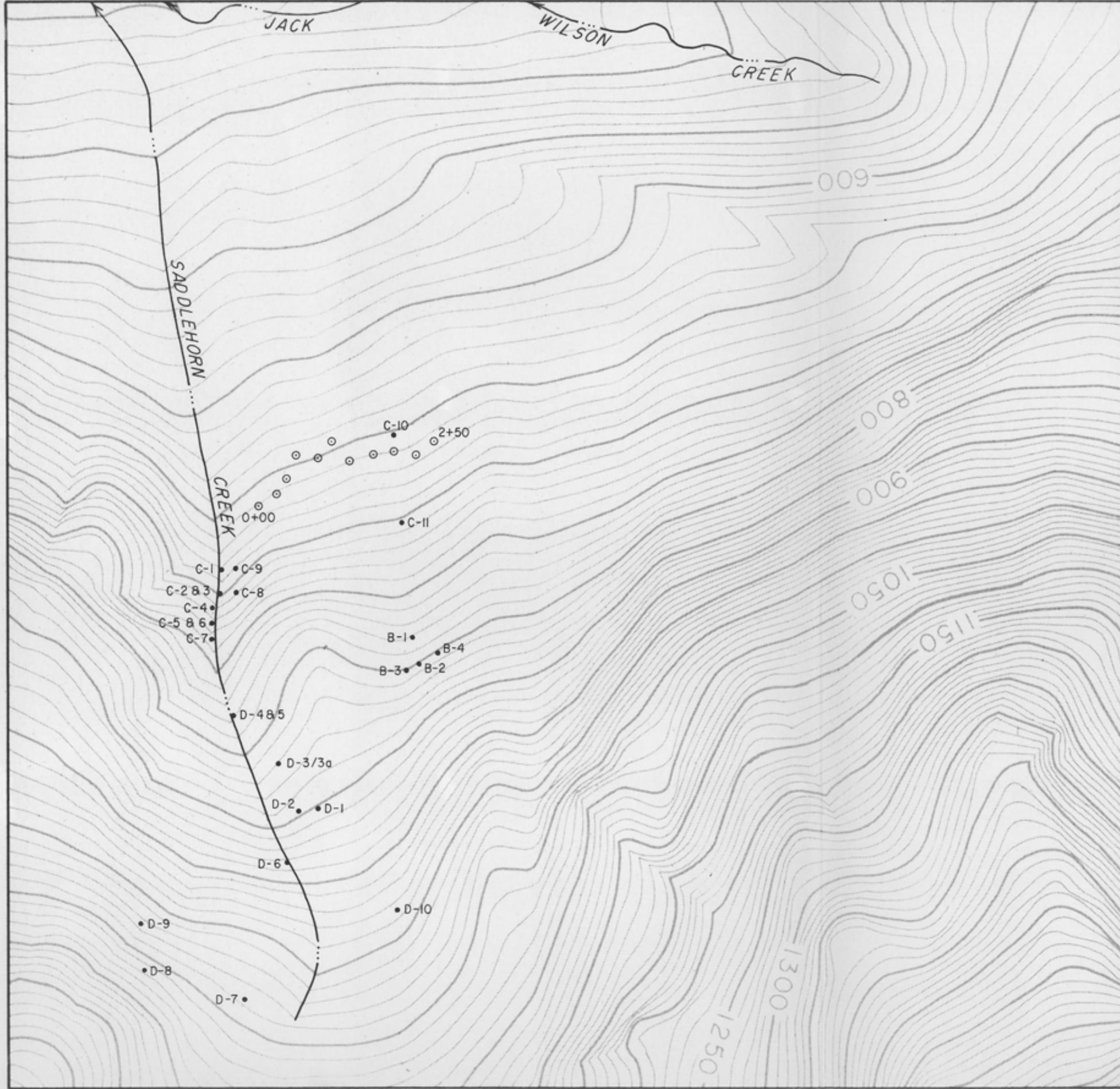
6.1 Geology

No geological mapping was conducted over the Jack claims during 1988. Souther (1971) shows the entire Jack claim to be underlain by undifferentiated Upper Triassic volcanics and sediments. Folk (1987) describes "complexly folded tuffaceous volcanic rocks in contact with black phyllites and ankeritic sediments" on the northwest corner of the Jack claim.

6.2 Geochemistry

Four of the ten soil samples taken from the northwestern corner of the Jack claim returned values greater than 30 parts per billion gold, which should be considered anomalous. High arsenic, antimony, copper and silver values up to 240 ppm As, 4.2 ppm Sb, 258 ppm Cu and 1.4 ppm Ag are also associated with the anomalous gold results (Figure 4).

Several rock samples contained significant quantities of copper, arsenic, lead and gold (Figure 4). Sample 88DR-01, taken from float of a quartz-sulphide vein hosted by weakly chloritic andesite, assayed 1.509 ounces/ton (51.7 grams per tonne) gold, with 0.12% copper. Sample RM88-01, taken from quartz-pyrite-arsenopyrite float, assayed 0.058 ounce/ton (1.99 grams per tonne) gold. Three further samples from the Jack claim contained above 200 parts per billion gold and may be considered anomalous.



ROCK GEOCHEMICAL RESULTS

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)
BY88-01	10	0.4	45
BY88-02	40	0.4	146
BY88-03	280	1.6	781
BY88-04	5	0.4	733
RM88-01	0.058opt	0.09opt	0.09%
88C-01	50	4.4	88
88C-02	80	1.8	465
88C-03	135	0.4	59
88C-04	80	1.0	1110
88C-05	<5	0.8	199
88C-06	<5	1.0	101
88C-07	180	0.8	331
88C-08	25	0.6	6860
88C-09	30	0.4	>10000
88C-10	450	1.2	1340
88C-11	20	0.6	75
88DR-01	1.509opt	0.12opt	0.12%
88DR-02	130	1.2	3520
88DR-03	90	2.0	747
88DR-03A	80	0.8	1190
88DR-04	550	6.2	2350
88DR-05	<5	2.6	2190
88DR-06	<5	0.6	41
88DR-07	40	2.0	1170
88DR-08	<5	0.4	184
88DR-09	<5	0.8	220
88DR-10	<5	6.6	2050

• ROCK SAMPLE

○ SOIL SAMPLE

SCALE 1:5000
m 0 50 100 200 300 m



CONSOLIDATED SILVER STANDARD
MINES LIMITED

JACK CLAIM
GEOCHEMISTRY

LIARD MINING DIVISION, B.C.

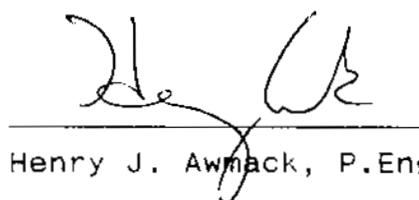
EQUITY ENGINEERING LTD.

Drawn. J.W.	N.T.S. 104 G/4E	Date. Oct. 1988	FIG. No. 4.
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7.0 DISCUSSION

No significant gold-bearing mineralization has yet been found in place on the Jack claim. Gold-bearing float, anomalous soil geochemical results and several precious metal discoveries elsewhere in the Galore Creek district during the 1988 field season provide encouragement for further work on the Jack claim.

Respectfully submitted,
EQUITY ENGINEERING LTD.


Henry J. Awmack, P.Eng.

Vancouver, British Columbia
October, 1988



APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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- Folk, P. (1987): Prospecting Report on the Jack Mineral Claim; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.
- Geological Survey of Canada (1988): National Geochemical Reconnaissance, Sumdum - Telegraph Creek, British Columbia (NTS 104F - 104G); GSC Open File 1646.
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- Rayner, G.H. (1963): Geochemical and Geophysical Surveys on the J.W. 1-14 Claim Group: British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report #501.
- Souther, J.D. (1971): Telegraph Creek Map Area, British Columbia; Geological Survey of Canada Paper 71-44.

APPENDIX B
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES: JACK CLAIM
(August 29, 1988)

PROFESSIONAL FEES AND WAGES:

Brian Yamamura, Project Geologist	
1.0 day @ \$300/day	\$ 300.00
David Ridley, Prospector	
1.0 day @ \$225/day	225.00
Catherine Ridley, Prospector	
1.0 day @ \$225/day	225.00
Rick Mayer, Sampler	
1.0 days @ \$175/day	<u>175.00</u>
	\$ 925.00

EQUIPMENT RENTAL:

Camp Rental	
4 man-days @ \$25/manday	100.00

CHEMICAL ANALYSES:

10 soil samples @ \$19.75	\$ 197.50
27 rock samples @ \$19.25	519.75
2 assays @ \$19	<u>38.00</u>
	755.25

EXPENSES:

Helicopter Charters	\$ 840.00
Communications	32.00
Report	<u>600.00</u>
	1,472.00

MANAGEMENT FEES:

15% on expenses only	<u>334.00</u>
	\$ 3,586.25
	=====

APPENDIX C

ROCK DESCRIPTIONS

Geochemical Data Sheet - ROCK SAMPLING

Sampler D. Ridley
Date Aug. 29/88

Project _____
Property _____ Jack Claims

NTS _____

Location Ref _____

Air Photo No

Geochemical Data Sheet - ROCK SAMPLING

Sampler C. J. Ridley
Date Aug 188

Project _____
Property JACK CLAIMS

NTS _____

Location Ref _____
Air Photo No _____

**EQUITY
ENGINEERING LTD.**

Geochemical Data Sheet - ROCK SAMPLING

Sampler B Yamamura, R Mayer
Date August 29, 1988

Project _____
Property Jack claims

NTS _____

Location Ref Jack Wilson Creek
Air Photo No.

APPENDIX D

CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 112 BROOKSBANK AVE., NORTHE VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project : KEY 8804
 Comments: ATTN: HENRY AWACK

Page 1 of 1
 Tot. Pages 1
 Date : 5-OCT-88
 Invoice # : I-8824549
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824549

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm
000 660M	202 --	40	175	8	43	155	0.3	140	1.2
025E 660M	202 --	40	230	4	57	172	0.7	240	1.8
050E 655M	202 --	15	193	4	23	120	0.4	50	0.8
075E 645M	202 --	10	46	2	17	90	0.9	27	0.4
100E 650M	202 --	35	105	3	16	112	0.7	9	0.2
150E 660M	202 --	60	258	3	37	272	1.4	110	4.2
175E 660M	202 --	10	136	2	10	105	0.3	20	0.4
200E 660M	202 --	10	30	5	7	45	0.3	7	0.2
225E 665M	202 --	15	33	5	7	46	0.4	15	0.1
250E 665M	202 --	< 5	52	4	8	70	0.3	17	0.2

CERTIFICATION

Hart Bickler



Chemex Labs Ltd.
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212 BROOKSBANK AVE • NORTH VANCOUVER
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406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Page No. 1-A
Tot. Pages 1
Date 8-OCT-88
Invoice # 1-8824550
P.O. # NONE

Project : KFY 8804
Comments: ATTN: HENRY AWACK

CERTIFICATE OF ANALYSIS A8824550

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BY 8801	212 238	10	1.09	0.4	< 5	190	< 0.5	4	7.69	< 0.5	12	24	45	2.56	20	< 1	0.24	< 10	1.18	711
BY 8802	212 238	40	2.15	0.4	< 5	110	< 0.5	< 2	1.65	< 0.5	31	14	146	5.06	< 10	< 1	0.35	10	2.16	1493
BY 8803	212 238	280	1.91	1.6	< 5	100	< 0.5	< 2	1.16	< 0.5	20	11	781	4.75	< 10	< 1	0.68	10	1.66	1390
BY 8804	212 238	5	2.53	0.4	< 5	170	< 0.5	< 2	2.81	< 0.5	24	5	733	4.89	< 10	< 1	0.34	< 10	1.96	1945
RM 8801	212 238	2180	0.26	1.8	>10000	50	< 0.5	< 2	0.83	2.5	131	14	1125	10.40	< 10	< 1	0.08	10	0.19	457
88C-01	212 238	50	0.37	4.4	515	50	< 0.5	< 2	3.54	7.0	9	21	88	3.29	10	1	0.20	< 10	0.48	530
88C-02	212 238	80	2.37	1.8	25	30	< 0.5	< 2	1.55	< 0.5	31	14	465	9.45	< 10	< 2	0.17	20	2.56	1350
88C-03	212 238	135	3.15	0.4	40	30	< 0.5	< 2	2.50	< 0.5	35	11	59	4.89	< 10	< 1	0.05	10	2.85	1075
88C-04	212 238	80	2.53	1.0	< 5	190	0.5	< 2	1.60	< 0.5	22	13	1110	3.67	< 10	< 1	1.32	10	2.02	1250
88C-05	212 238	< 5	1.72	0.8	< 5	150	1.0	< 2	3.47	< 0.5	33	47	199	7.64	10	1	0.17	< 10	1.23	958
88C-06	212 238	< 5	0.64	1.0	190	70	0.5	< 2	0.03	< 0.5	33	153	101	3.68	20	< 1	0.36	< 10	4.40	863
88C-07	212 238	180	1.49	0.8	10	20	0.5	6	6.75	< 0.5	26	90	331	3.61	10	< 1	0.14	< 10	1.78	737
88C-08	212 238	25	3.34	0.6	5	210	0.5	< 2	2.66	< 0.5	35	4	6860	5.41	< 10	< 1	0.21	10	2.89	2600
88C-09	212 238	30	1.19	0.4	> 5	1010	1.0	< 2	2.86	2.0	51	41	>10000	3.97	< 10	< 1	0.59	10	1.36	687
88C-10	212 238	450	2.03	1.2	< 5	90	0.5	< 2	1.04	< 0.5	26	8	1340	5.73	< 10	< 1	0.30	10	1.66	1265
88C-11	212 238	20	0.60	0.6	110	130	< 0.5	< 2	5.07	< 0.5	8	19	75	2.79	10	< 1	0.31	< 10	1.00	606
88IR-01	212 238	>10000	2.25	3.8	< 5	120	< 0.5	2	1.32	< 0.5	31	19	1270	4.21	< 10	< 1	0.32	10	1.75	711
88IR-02	212 238	130	2.02	1.2	< 5	60	< 0.5	< 2	2.67	< 0.5	28	11	3520	3.90	< 10	< 1	0.12	< 10	1.53	893
88IR-03	212 238	90	1.84	2.0	< 5	290	< 0.5	6	2.79	0.5	31	19	747	5.00	< 10	< 1	0.49	10	1.50	790
88IR-03 A	212 238	80	2.22	0.8	< 5	250	< 0.5	2	1.77	0.5	23	15	1190	5.04	< 10	< 1	0.39	10	1.53	773
88IR-04	212 238	550	1.66	-	-	80	0.5	2	1.39	0.5	21	15	2150	4.94	10	< 1	1.24	10	1.16	706
88IR-05	212 238	< 5	0.15	2.6	< 5	30	< 0.5	< 2	0.81	1.0	9	20	2190	2.19	< 10	< 1	0.07	< 10	0.11	309
88IR-06	212 238	< 5	2.02	0.6	< 5	110	< 0.5	< 2	2.32	< 0.5	31	14	41	5.13	10	< 1	0.26	10	1.66	1005
88IR-07	212 238	40	0.42	2.0	< 5	40	< 0.5	2	0.39	< 0.5	19	22	1170	4.50	< 10	< 1	0.13	< 10	0.27	256
88IR-08	212 238	< 5	2.22	0.4	10	250	< 0.5	6	1.52	< 0.5	21	9	184	3.70	< 10	2	0.45	10	1.65	934
88IR-09	212 238	< 5	1.71	0.8	< 5	140	< 0.5	< 2	4.22	1.0	24	9	220	4.64	10	< 2	0.31	< 10	1.57	1595
88IR-10	212 238	< 5	0.84	6.6	< 5	30	< 0.5	20	9.21	1.0	10	12	2050	2.07	20	< 1	0.30	< 10	0.69	1195

CERTIFICATION :

B. Cough



Chemex Labs Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
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Page No. 1-B
 Tot. Pgs. 1
 Date 8-CCT-88
 Invoice # 1-8824550
 P.O. # NONE

Project : KFY & 804
 Comments: ATTN: HENRY AWACK

CERTIFICATE OF ANALYSIS A8824550

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BY 8801	212 238	< 1	0.04	18	650	8	< 5	3	985	0.14	< 10	< 10	27	< 5	103
BY 8802	212 238	< 1	0.05	18	1560	8	< 5	4	77	0.24	< 10	< 10	104	< 5	196
BY 8803	212 238	3	0.02	5	2130	12	< 5	4	143	0.22	< 10	< 10	129	< 5	136
BY 8804	212 238	< 1	0.05	2	1470	6	< 5	6	137	0.27	< 10	< 10	103	< 5	173
RM 8801	212 238	< 1	0.03	9	210	70	15	1	56	< 0.01	< 10	< 10	4	< 5	851
88C-01	212 238	< 1	0.03	21	410	1680	< 5	1	328	< 0.01	< 10	< 10	7	< 5	600
88C-02	212 238	< 1	0.03	12	4750	4	< 5	4	166	0.19	< 10	< 10	209	< 5	153
88C-03	212 238	< 1	0.05	9	1390	6	< 5	6	175	0.25	< 10	< 10	120	< 5	110
88C-04	212 238	< 1	0.08	6	2030	2	< 5	4	292	0.24	< 10	< 10	117	< 5	166
88C-05	212 238	15	0.10	50	1430	32	< 5	8	280	0.04	< 10	< 10	181	< 5	70
88C-06	212 238	< 1	0.01	165	900	10	85	17	1195	< 0.01	< 10	< 10	24	< 5	36
88C-07	212 238	< 1	0.06	18	2280	2	< 5	7	377	0.21	< 10	< 10	123	10	42
88C-08	212 238	< 1	0.04	5	1500	6	< 5	5	208	0.24	< 10	< 10	97	< 5	207
88C-09	212 238	2	0.01	16	1390	2	< 5	11	135	0.01	< 10	< 10	25	< 5	178
88C-10	212 238	< 1	0.03	7	2270	2	< 5	8	90	0.24	< 10	< 10	159	< 5	147
88C-11	212 238	< 1	0.04	19	870	2	< 5	4	405	< 0.01	< 10	< 10	18	5	85
88IR-01	212 238	< 1	0.02	18	1070	8	< 5	6	53	0.12	< 10	< 10	62	< 5	63
88IR-02	212 238	2	0.04	11	1290	2	< 5	5	260	0.19	< 10	< 10	79	< 5	73
88IR-03	212 238	8	0.03	16	1900	38	< 5	5	112	0.07	< 10	< 10	55	< 5	132
88IR-03 A	212 238	5	0.03	11	1770	2	< 5	5	71	0.12	< 10	< 10	79	< 5	58
88IR-04	212 238	42	0.06	15	1660	1905	< 5	13	76	0.20	< 10	< 10	30	< 5	100
88IR-05	212 238	2	0.01	14	140	152	< 5	1	24	0.01	< 10	< 10	12	< 5	24
88IR-06	212 238	< 1	0.04	8	1300	< 2	< 5	6	129	0.24	< 10	< 10	89	< 5	77
88IR-07	212 238	< 1	0.01	25	500	6	< 5	1	20	0.06	< 10	< 10	17	< 5	26
88IR-08	212 238	< 1	0.07	6	1860	< 2	< 5	4	253	0.20	< 10	< 10	94	< 5	86
88IR-09	212 238	3	0.02	6	1470	18	< 5	4	401	< 0.01	< 10	< 10	39	< 5	87
88IR-10	212 238	2	0.02	8	950	1515	< 5	7	639	0.05	< 10	< 10	52	< 5	27

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.
Analytical Chemists • Geo-chemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER
BRITISH COLUMBIA, CANADA V7E 2C1
PHONE (604) 984-6221

EQUITY ENGINEERING LTD

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project # KEY 8804
Comments: ATTN: HENRY AMMACK

Page M
Tot. Pg. 1
Date 20-OCT-88
Invoice # 1-8825448
P.O. # NONE

CERTIFICATE OF ANALYSIS A8825448

SAMPLE DESCRIPTION	PREP CODE	Au FA oz/T	Ag FA oz/T	Cu %
RM 88-01 88 DR-01	214 --- 214 ---	0.058 0.509	0.04 0.12	0.09 0.12

APPENDIX E

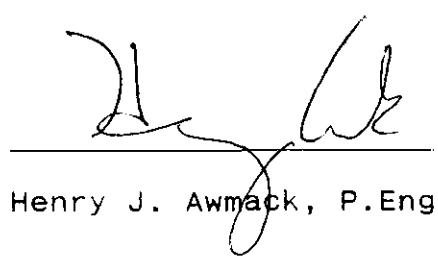
ENGINEER'S CERTIFICATE

ENGINEER'S CERTIFICATE

I, HENRY J. AWMACK, of 308-1510 Burnaby Street,
Vancouver, in the Province of British Columbia, DO HEREBY
CERTIFY:

1. THAT I am a Consulting Geological Engineer with offices at Suite 406, 675 West Hastings Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of British Columbia with an honors degree in Geological Engineering.
3. THAT I am a member in good standing of the Association of Professional Engineers of British Columbia.
4. THAT this report is based on fieldwork conducted by Equity Engineering Ltd. on the Jack claim during August 1988, government publications and reports filed with the Government of British Columbia.

DATED at Vancouver, British Columbia, this 27th day of October, 1988.


Henry J. Awmack, P.Eng.

