

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 90.01.13

ASSESSMENT REPORT 18263

MINING DIVISION: Liard

PROPERTY: Wisser
LOCATION: LAT 57 01 00 LONG 131 28 00
UTM 09 6321733 350235
NTS 104G03W

CLAIM(S): Wisser I
OPERATOR(S): Pass Lake Res.
AUTHOR(S): Awmack, H.J.
REPORT YEAR: 1989, 31 Pages

COMMODITIES
SEARCHED FOR: Gold, Copper

GEOLOGICAL

SUMMARY: GSC mapping indicates the Wisser property is underlain by undifferentiated Upper Triassic volcanics and sediments. Reconnaissance mapping confirms the presence of andesitic volcanics. To date, no significant gold bearing mineralization has been found.

KEYWORDS: Upper Triassic, Volcanic, Sedimentary

WORK

ZONE: Prospecting, Geochemical
PROS 250.0 ha
ROCK 15 sample(s) ;ME
SILT 3 sample(s) ;ME
SOIL 26 sample(s) ;ME

LOG NO: 0414 RD. 2
ACTION: Date received report
back from amendments
FILE NO:

LOG NO: 0123 RD.
ACTION:
FILE NO:

1988 SUMMARY REPORT
ON THE
WISER I & II CLAIMS

FILMED

Located in the Galore Creek Area
Liard Mining Division
NTS 104G/3W, 4E
57° 01' North Latitude
131° 28' West Longitude

-prepared for-
PASS LAKE RESOURCES LTD.

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

January, 1989

SUB-RECORDER
RECEIVED
JAN 13 1989
M.R. # \$
VANCOUVER, B.C.

18,263
GEOLOGICAL BRANCH
ASSESSMENT REPORT

1988 SUMMARY REPORT ON THE WISER I & II CLAIMS

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1.0 INTRODUCTION

The Wiser I and II claims were staked in 1988 to cover favorable lithology and gossans north of Sphaler Creek in the Liard Mining Division, approximately 155 kilometers northwest of Stewart in northwestern British Columbia (Figure 1). The geological similarity to the Iskut River, Sulphurets and Stewart mining camps to the south and the discovery in 1987 and 1988 of several major precious metals occurrences elsewhere in the Galore Creek district have sparked renewed exploration interest throughout the area.

Reconnaissance exploration, consisting of prospecting and geochemical sampling, was carried out over the Wiser property during September of 1988. Equity Engineering Ltd. conducted this program for Pass Lake Resources Ltd. and has been retained to report on the results of the fieldwork.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned by Pass Lake Resources Ltd.

Claim Name	Record Number	No. of Units	Record Date	Expiry Year
Wiser I	4643	20	June 13, 1988	1989
Wiser II	4644	20	June 13, 1988	1989
		40		

The position of the legal corner posts for the Wiser I and II claims has not been verified by the author.

PROPERTY LOCATION



PASS LAKE RESOURCES LTD.			
WISER CLAIM GROUP PROPERTY LOCATION MAP			
EQUITY ENGINEERING LTD.			
Drawn. J.W.	N.T.S. 104G/3W, 4E.	Date. JAN. 1989	FIG. No. 1.

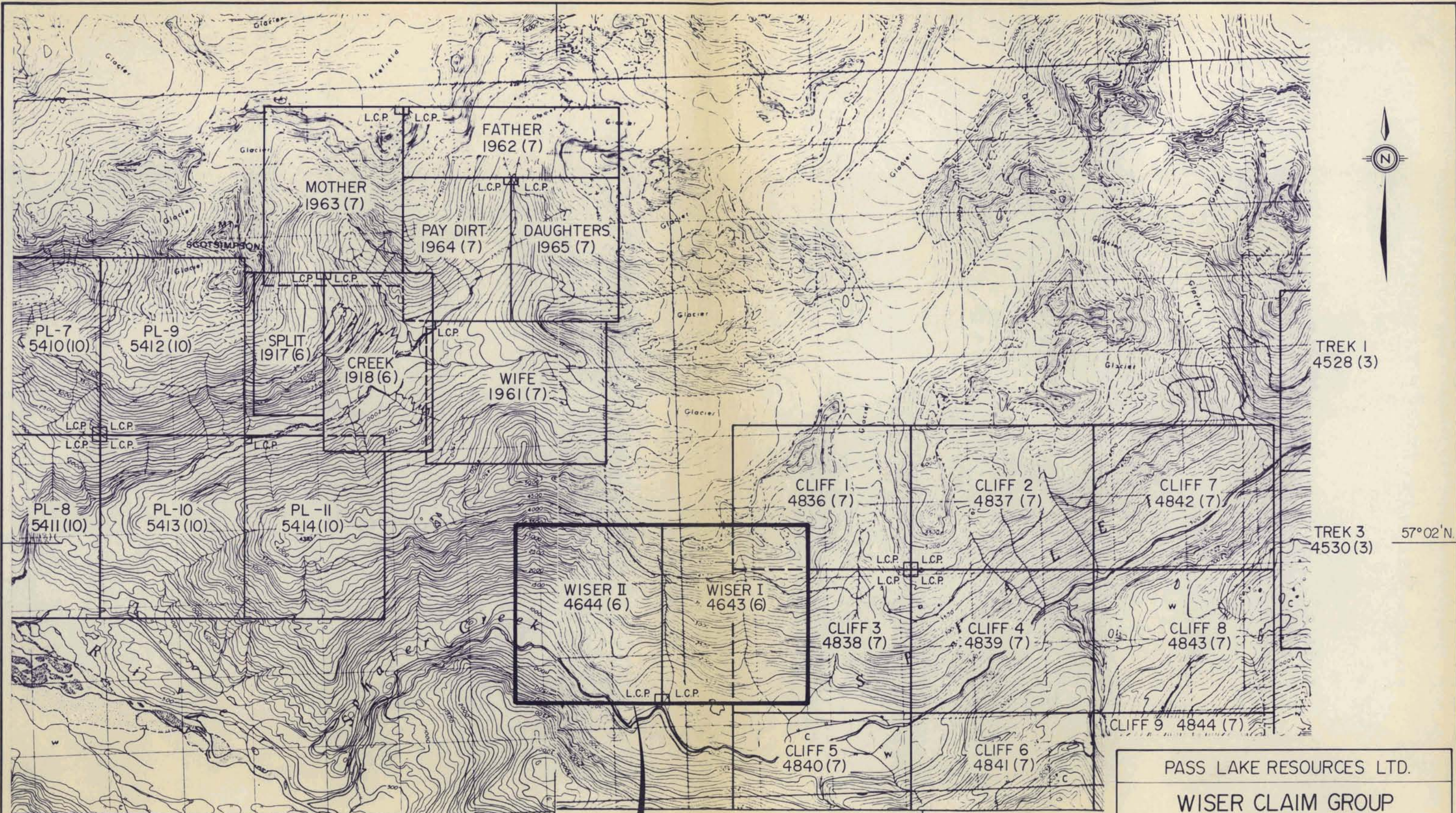
3.0 LOCATION, ACCESS AND GEOGRAPHY

The Wiser I and II claims are located within the Coast Range Mountains approximately 155 kilometers northwest of Stewart and 100 kilometers south of Telegraph Creek in northwestern British Columbia (Figure 1). They lie within the Liard Mining Division, centered at 57° 01' north latitude and 131° 28' west longitude.

Access to the Wiser property is provided by helicopter from the Scud River airstrip which is located approximately 40 kilometers to the northwest, or from the Bronson Creek airstrip which is located approximately 40 kilometers to the south. Fixed-wing aircraft fly charters from Dease Lake or Telegraph Creek to the Scud River airstrip and scheduled flights from Smithers to the Scud River airstrip via the Bronson Creek airstrip during the field season. On the Alaska side of the border, Wrangell lies approximately eighty kilometers to the southwest, and provides a full range of services and supplies, including a major commercial airport. The Stikine River has been navigated by 100-ton barges upriver as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to within fifteen kilometers of the property. Throughout the 1988 field season, a helicopter was stationed in Continental Gold Corp.'s camp approximately twenty-five kilometers north of the Wiser property.

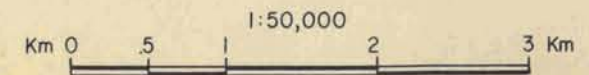
The Wiser II claim straddles Sphaler Creek, approximately four kilometers above its confluence with the Porcupine River (Figure 2). All of the Wiser I claim and most of the Wiser II claim lie on the steep north side of the Sphaler Creek valley. Topography is rugged, typical of mountainous and glaciated terrain, with elevations ranging from 200 meters on Sphaler Creek to over 1800 meters on the northern boundary of Wiser I.

Lower slopes are covered by a dense growth of hemlock and



41 42 43 44 45 46 47 48 49 50 51 52 53 54 55
 35' 35' 35' 35' 35' 35' 35' 35' 35' 35' 35' 35' 35' 35' 35'
 347000m. E. 349000m. E. 351000m. E. 353000m. E. 355000m. E.
 131°30'W. 131°25'W. 131°20'W. 131°15'W. 131°10'W. 131°05'W. 131°00'W.

**WISER
CLAIM GROUP**



PASS LAKE RESOURCES LTD.			
WISER CLAIM GROUP			
CLAIM MAP			
LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD.			
Drawn. J. W.	N.T.S. 104G/3W,4E	Date. JAN, 1989	FIG. No. 2

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 1300 meters, more open alpine vegetation is present. 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

The Galore Creek district was extensively explored for its copper potential throughout the 1960's, following the discovery in 1955 of the Galore Creek copper-gold porphyry deposit. This deposit, whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 ppb gold (Allen et al, 1976), is located approximately ten kilometers north of the Wiser claims. Several major mining companies conducted regional mapping and silt sampling programs over the entire Galore Creek area, and the Copper Canyon copper-gold porphyry, estimated by Grant (1964) to contain 28 million tonnes at a grade of 0.64% copper, was discovered eight kilometers east of the Central Zone in 1957. Unfortunately, most of the regional data collected at that time was not filed for assessment credit and is not available.

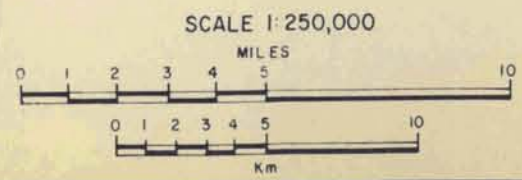
In the early 1980's, Teck Corp. conducted regional reconnaissance for gold and base metals throughout the area, and delineated 185,000 tonnes of reserves grading 4.11 grams gold per tonne on the Paydirt deposit (Holtby, 1985), which is located approximately four kilometers northwest of the Wiser property. Longreach Resources Limited initiated underground exploration on the Paydirt deposit in 1987, and is planning further work in 1989. In 1987, several precious metal occurrences were

LEGEND

- QUATERNARY**
PLEISTOCENE AND RECENT
 29 Fluvialite gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium
- CRETACEOUS AND TERTIARY**
UPPER CRETACEOUS AND LOWER TERTIARY
SUSTUT GROUP
 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 volcanoclastic rocks
- TRIASSIC AND JURASSIC**
POST-UPPER TRIASSIC PRE-LOWER JURASSIC
 12 Syenite, orthoclase porphyry, monzonite, pyroxenite
- HICKMAN BATHOLITH**
 10, 11 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 volcanoclastic 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
- PERMIAN AND OLDER**
 2 Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone
 B Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic

CENOZOIC
 MESOZOIC
 PALEOZOIC

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



WISER CLAIM GROUP

PASS LAKE RESOURCES LTD.
 WISER CLAIM GROUP
REGIONAL GEOLOGY
 LIARD MINING DIVISION, B.C.
 EQUITY ENGINEERING LTD.

DRAWN J. W.	N.T.S. 104G/3W, 4E	DATE January, 1989	FIGURE 3
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57°00'
132°00'

45°

30°

15°

discovered on the Trophy project located approximately 17 kilometers to the northeast of the Wiser claim group. Continental Gold, which acquired the Trophy project in 1988, reported trench samples averaging 2.40 grams per tonne (0.07 ounces/ton) gold and 164.5 grams per tonne (4.80 ounces/ton) silver across 56.4 meters from their Ptarmigan A zone (Continental, 1988a). During the 1988 field season, Continental drilled 2,834 meters in 16 holes, with intersections up to 11.1 meters grading 5.48 grams gold and 30.2 grams silver per tonne (Continental, 1988b).

Elsewhere in the Galore Creek district, several significant precious metals occurrences were discovered on each of the TREK, ICY and Jack Wilson properties during the 1988 field season. In each case, these properties had been explored for copper during the 1960's, but had never received due attention for their gold potential.

Regional mapping by Conwest Explorations provides the only recorded work on what are now the Wiser claims (Grant, 1964).

4.2 1988 Work Program

During September of 1988, Pass Lake Resources Ltd. carried out reconnaissance exploration on the Wiser I and II claims, consisting of prospecting, stream sediment sampling and contour soil sampling. This program was targeted at gold-rich mesothermal base metal veins similar to those occurring elsewhere in the Galore Creek district and within a similar geological environment which stretches south to the Iskut River, Sulphurets and Stewart mining districts.

During the course of this program, three stream sediment samples, 26 soil samples and 15 rock samples were taken. Stream sediment samples were taken from the active parts of major

drainages, screened underwater in the field to minus 40 mesh, then pulverised in the laboratory and analysed geochemically for gold and 32-element ICP (Figure 4).

A contour soil line was run at the 1080 meter elevation on the Wiser I claim, with samples taken every twenty-five meters. 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).

Prospecting was confined to East Creek on the Wiser I claim, using an enlargement of the 1:50,000 topographic map as a base (Figures 4). Rock samples, described in Appendix C, were taken from zones of alteration and mineralization and analysed geochemically for gold and 32-element ICP. Analytical certificates are attached in 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 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. The Jack Wilson, ICY and TREK occurrences and the Paydirt gold deposit are all hosted within silicified, sericitized and pyritized Upper Triassic andesitic volcanics. This Upper Triassic volcanosedimentary package is also correlative with that which hosts the Snip and Stonehouse gold deposits of the Iskut River district approximately 45 kilometers to the south.

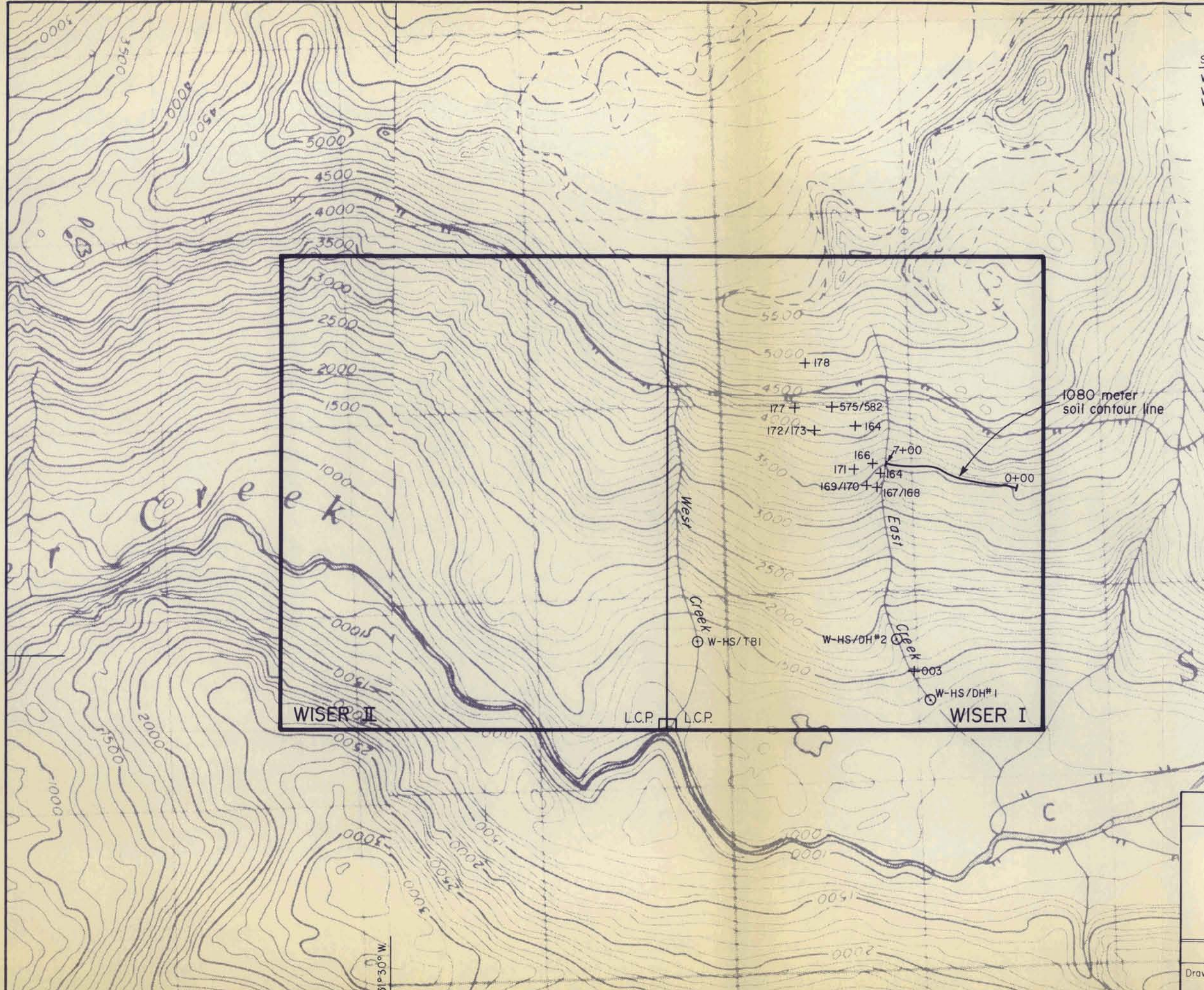
Subvolcanic syenite and orthoclase porphyry stocks (Unit 12), dated as Late Triassic to Early Jurassic by Souther (1971), intrude all older stratified rocks. The Galore Creek and Copper Canyon copper-gold porphyry deposits are hosted by Upper Triassic volcanics intruded by syenitic stocks. Orthoclase 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.

6.0 PROPERTY GEOLOGY AND GEOCHEMISTRY

6.1 Geology

No detailed geological mapping has been conducted over the Wisner I and II claims. Souther (1971) and Grant (1964) show it to be entirely underlain by undifferentiated Upper Triassic



STREAM SEDIMENT SAMPLES

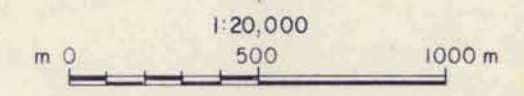
SAMPLE No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
W-HS/TB-1	<5	0.2	48	2	63
W-HS/DH#1	530	0.2	63	8	64
W-HS/DH#2	20	0.2	67	<2	63

ROCK GEOCHEMICAL SAMPLES

575	35	0.6	120	20	24
582	30	<0.2	218	6	15
164	75	4.0	814	46	150
165	50	0.2	82	76	49
166	10	<0.2	95	2	1075
167	5	<0.2	50	12	104
168	35	<0.2	84	18	20
169	15	<0.2	64	6	17
170	45	0.4	113	<2	17
171	10	<0.2	64	8	74
172	15	<0.2	84	22	15
173	5	<0.2	15	<2	72
177	20	0.2	175	<2	44
178	5	0.2	119	22	26
003	60	<0.2	3390	<2	27

LEGEND

- ⊙ STREAM SEDIMENT SAMPLE
- + ROCK SAMPLE (OUTCROP)



PASS LAKE RESOURCES LTD.

**WISER CLAIM GROUP
GEOCHEMISTRY**

LIARD MINING DIVISION, B.C.

EQUITY ENGINEERING LTD.

Drawn. J.W.	N.T.S. 104G/3W,4E	Date. JAN. 1989	FIG. No. 4
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volcanics and sediments (Unit 9). Reconnaissance mapping during 1988 confirms the presence of andesitic volcanics around East Creek.

6.2 Geochemistry

Three stream sediment samples, screened underwater to minus 40 mesh in the field, were taken from the East and West Creeks which drain the north side of Sphaler Creek, during the course of the 1988 exploration program on the Wiser claims (Figure 4). One of these, taken from East Creek near the southern boundary of the Wiser I claim, was highly anomalous in gold, containing 530 parts per billion.

The 1080 meter soil contour line, run west to East Creek, returned generally low gold, lead, zinc, molybdenum, arsenic and antimony values, although sample #125 was highly anomalous in gold with 370 parts per billion. Three samples were moderately anomalous in copper with values above 100 parts per million.

Several outcrops of propylitized agglomerate with abundant disseminated pyrite were sampled on the Wiser I claim, returning low values up to a maximum of 75 ppb gold and 814 ppm copper. A grab sample from a narrow quartz vein located near the bottom of East Creek contained 0.34% copper with 60 ppb gold.

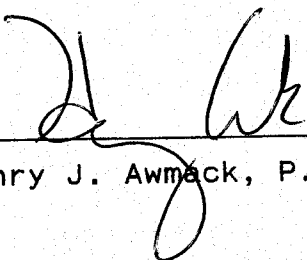
7.0 DISCUSSION AND CONCLUSIONS

During the course of limited exploration work on the Wiser claims during 1988, two highly anomalous stream sediment and soil samples were taken. No follow-up work has yet been done to locate the mineralized sources for these two significant anomalies. No mapping, prospecting or geochemical sampling has been carried out over a large portion of the property, and the

potential for mineralization in that part remains untested.

The Iskut River, Sulphurets and Stewart gold camps, to the south of the Galore Creek district, host economic gold-bearing mesothermal veins associated with syenitic stocks intruding an Upper Triassic volcano-sedimentary sequence. The Wiser property lies along the same regional trend, is underlain by a correlative Upper Triassic volcano-sedimentary sequence and is located within a few kilometers of the Galore Creek syenite complex. Within the past few years, several significant zones of precious metal mineralization have been discovered elsewhere in the Galore Creek district, but until this year, the Wiser property had never been examined for its precious metal potential. Encouraging initial results, coupled with the exploration successes achieved throughout the Galore Creek, Iskut River, Sulphurets and Stewart districts in the past few years, provide abundant incentive to conduct further exploration work on the Wiser claims.

Respectfully submitted,
EQUITY ENGINEERING LTD.


Henry J. Awmack, P.Eng.



Vancouver, British Columbia
January, 1989

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

- Allen, D.G., A. Panteleyev and A.T. Armstrong (1976): Galore Creek, in CIM Special Volume 15, pp. 402-414.
- Barr, D.A. (1966): The Galore Creek Copper Deposits; July 1966 CIM Bulletin, pp. 841-853.
- Continental Gold Corp. (1988a): News Release dated April 5, 1988.
- Continental Gold Corp. (1988b): News Release dated November 21, 1988.
- Geological Survey of Canada (1988): National Geochemical Reconnaissance, Sumdum - Telegraph Creek, British Columbia (NTS 104F - 104G); GSC Open File 1646.
- Grant, G.W. (1964): Final Geological Report - CW Group: British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report #621.
- Holtby, M.H. (1985): Geological, Soil Geochemical, Trenching and Diamond Drilling Programme on the Paydirt Claim Group; British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report #14,980.
- 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: WISER 1 & 2 CLAIMS
(September 6 - 25, 1988)

PROFESSIONAL FEES AND WAGES:

Brian Yamamura, Project Geologist		
3.00 days @ \$300/day	\$	900.00
Tom Bell, Prospector		
2.50 days @ \$225/day		562.50
Dave Hicks, Sampler		
3.50 days @ \$175/day		612.50
Rick Mayer, Sampler		
2.50 days @ \$175/day		<u>437.50</u>
	\$	2,512.50

CHEMICAL ANALYSES:

3 stream sediment samples		
@ \$18.25	\$	54.75
26 soil samples @ \$19.75		513.50
15 rock samples @ \$19.25		<u>288.75</u>
		857.00

EXPENSES:

Geochemical Supplies	\$	13.60
Materials and Supplies		99.04
Mobilization/Demobilization		491.33
Camp Rental		190.00
Camp Food and Fuel		318.76
Helicopter Charters		2,849.00
Aircraft Charters		430.03
Communications		10.76
Freight		58.07
Expediting		64.54
Report		<u>1,500.00</u>
		6,025.13

MANAGEMENT FEES:

15% on expenses; 7.5% on subcontracts		<u>762.17</u>
---------------------------------------	--	---------------

\$ 10,156.80

=====

APPENDIX C

ROCK DESCRIPTIONS

APPENDIX D

CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project: PLJ88-05

Comments: ATTN: HENRY AWMAK

Page No. : 1-A

Tot. Pages: 1

Date : 8-OCT-88

Invoice # : I-8824579

P.O. # : NONE

CERTIFICATE OF ANALYSIS A88'24579

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
W-HS/TB-1	235 238	< 5	1.99	0.2	15	180	< 0.5	< 2	1.71	< 0.5	13	50	48	3.92	< 10	< 1	0.38	10	1.10	740
W-HS/DH#1	235 238	530	2.41	0.2	10	170	< 0.5	4	1.98	< 0.5	18	71	63	7.45	< 10	< 1	0.43	10	1.37	709
W-HS/DH#2	235 238	20	1.99	0.2	5	120	< 0.5	6	1.42	< 0.5	17	50	67	5.86	< 10	< 1	0.37	10	1.33	682

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
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Page No. : 1-B

Tot. Pages: 1

Date : 8-OCT-88

Invoice #: I-8824579

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824579

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
W-HS/IB-1	235	238	< 1	0.05	6	1210	2	5	10	176	0.37	< 10	< 10	146	10	63
W-HS/DH#1	235	238	< 1	0.07	7	1820	8	5	13	228	0.53	< 10	< 10	255	15	64
W-HS/DH#2	235	238	< 1	0.04	6	1700	< 2	< 5	10	147	0.44	< 10	< 10	199	5	63

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

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VANCOUVER, BC
V6B 1N2

Project: PLJ88-05

Comments: ATTN: HENRY AWMAK

Page No. : 1
Tot. Pages: 2
Date : 5-OCT-88
Invoice #: I-8824578
P.O. # : NONE

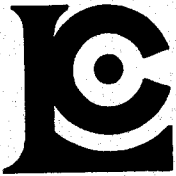
CERTIFICATE OF ANALYSIS A8824578

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
--------------------	-----------	-----------------	--------	--------	--------	--------	------------------	--------	--------	--	--

1080M000	202	---	<< 5	60	2	2	60	0.4	6	0.1	
1080M025	202	---	<< 5	6	1	3	22	0.3	4	0.1	
1080M050	202	---	<< 5	16	1	4	21	0.5	4	0.2	
1080M075	202	---	<< 5	4	1	2	21	0.1	3	0.1	
1080M100	202	---	<< 5	100	1	2	87	0.1	9	0.2	
1080M125	202	---	<< 5	370	3	5	71	0.9	9	0.6	
1080M150	202	---	<< 5	19	1	5	33	0.3	3	0.2	
1080M175	202	---	<< 5	26	1	3	38	0.2	3	0.1	
1080M200	202	---	<< 5	21	1	1	41	0.2	3	0.1	
1080M225	202	---	<< 5	54	1	1	65	0.2	4	0.2	
1080M250	202	---	<< 5	27	2	1	44	0.3	3	0.1	
1080M275	202	---	<< 5	79	1	3	42	0.5	3	0.1	
1080M300	202	---	<< 5	40	1	3	41	0.5	3	0.1	
1080M325	202	---	<< 5	26	1	2	37	0.3	3	0.1	
1080M350	202	---	<< 5	137	3	2	39	0.2	5	0.1	
1080M450	202	---	<< 5	48	1	1	67	0.2	3	0.1	
1080M475	202	---	<< 5	62	2	2	66	0.3	4	0.1	
1080M500	202	---	<< 5	36	1	1	55	0.2	3	0.1	
1080M525	202	---	<< 5	32	3	2	38	0.1	5	0.2	
1080M550	202	---	<< 5	34	2	1	43	0.2	5	0.1	
1080M575	202	---	<< 5	42	2	1	47	0.2	3	0.1	
1090M600	202	---	<< 5	73	1	1	68	0.2	4	0.1	
1090M625	202	---	<< 5	116	1	2	64	0.3	4	0.2	
1090M650	202	---	<< 5	94	3	2	69	0.6	7	0.1	
1090M675	202	---	<< 5	40	1	2	40	0.2	5	0.1	

CERTIFICATION :

Stan Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project: PLJ88-05

Comments: ATTN: HENRY AWMAK

Page No. : 2
Tot. Pages: 2
Date : 5-OCT-88
Invoice #: I-8824578
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824578

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
1090M700	202 --	< 5	36	2	1	40	0.2	5	0.1		

CERTIFICATION :

Harry Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project: PLJ88-05

Comments: ATTN: HENRY AWMAK

Page No. : 1-A
Tot. Pages: 1
Date : 8-OCT-88
Invoice #: I-8824577
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8824577

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
245575	212 238	35	0.42	0.6	10	30	< 0.5	< 2	0.36	< 0.5	75	14	120	8.55	< 10	< 1	0.20	< 10	0.02	56
245581+245582	212 238	30	0.98	< 0.2	5	90	< 0.5	< 2	0.86	< 0.5	6	15	218	3.83	< 10	1	0.69	10	0.08	50
358164	212 238	75	1.47	4.0	5	90	< 0.5	< 2	0.87	0.5	11	22	814	6.52	< 10	< 1	0.40	10	1.38	461
358165	212 238	50	2.29	0.2	20	360	< 0.5	< 2	0.97	< 0.5	20	21	82	5.87	< 10	< 1	1.04	10	2.06	737
358166	212 238	10	2.54	< 0.2	< 5	170	< 0.5	< 2	0.71	10.0	21	21	95	7.20	< 10	< 1	0.65	10	1.86	759
358167	212 238	5	1.86	< 0.2	< 5	90	< 0.5	2	0.83	< 0.5	20	21	50	6.35	< 10	< 1	0.98	10	1.32	478
358168	212 238	35	0.92	< 0.2	< 5	140	< 0.5	< 2	0.79	< 0.5	13	21	84	5.72	< 10	< 1	0.43	10	0.27	129
358169	212 238	15	1.02	< 0.2	< 5	120	< 0.5	< 2	0.71	< 0.5	15	20	64	4.34	< 10	< 1	0.50	10	0.40	168
358170	212 238	45	1.35	0.4	< 5	140	< 0.5	4	1.53	< 0.5	33	20	113	6.30	< 10	1	0.64	10	0.26	114
358171	212 238	10	1.80	< 0.2	< 5	120	< 0.5	< 2	1.06	< 0.5	17	11	64	5.32	< 10	1	0.83	10	1.57	508
358172	212 238	15	2.19	< 0.2	< 5	320	< 0.5	2	0.72	< 0.5	28	4	84	3.78	< 10	1	1.32	10	0.16	33
358173	212 238	5	2.99	< 0.2	< 5	260	< 0.5	< 2	0.54	< 0.5	11	9	15	>15.00	< 10	2	0.49	10	1.92	358
358177	212 238	20	1.42	0.2	< 5	150	< 0.5	< 2	0.45	< 0.5	15	10	175	6.47	< 10	1	0.66	10	0.70	155
358178	212 238	5	1.19	0.2	< 5	170	< 0.5	< 2	0.53	< 0.5	14	10	119	5.24	< 10	< 1	0.56	10	0.22	83
358003	212 238	60	0.46	< 0.2	< 5	80	< 0.5	2	>15.00	0.5	6	16	3390	2.54	30	< 1	0.03	< 10	0.28	2080

CERTIFICATION :

P. Laughlin



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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
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V6B 1N2

Project: PLJ88-05

Comments: ATTN: HENRY AWMACK

Page No. : 1-B

Tot. Pages: 1

Date : 8-OCT-88

Invoice # : I-8824577

P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824577

SAMPLE DESCRIPTION	PREP CODE	Mo 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
245575	212 238	8	0.01	22	840	20	< 5	4	39	0.40	< 10	10	168	< 5	24
245581+245582	212 238	< 1	0.02	4	2640	6	< 5	6	15	0.31	< 10	< 10	97	< 5	15
358164	212 238	1	0.04	8	2110	46	< 5	8	68	0.50	10	< 10	160	< 5	150
358165	212 238	< 1	0.04	11	1720	76	< 5	11	81	0.47	< 10	< 10	213	< 5	49
358166	212 238	5	0.03	6	1270	2	< 5	10	71	0.38	< 10	< 10	146	< 5	1075
358167	212 238	< 1	0.03	14	1600	12	< 5	8	73	0.44	10	< 10	148	< 5	104
358168	212 238	5	0.04	16	1940	18	< 5	10	107	0.53	< 10	< 10	135	< 5	20
358169	212 238	11	0.03	14	1490	6	< 5	8	78	0.49	< 10	< 10	90	< 5	17
358170	212 238	17	0.01	40	3920	< 2	< 5	10	123	0.56	10	< 10	103	15	17
358171	212 238	< 1	0.04	13	2120	8	< 5	7	94	0.38	< 10	< 10	127	< 5	74
358172	212 238	< 1	0.02	12	2400	22	< 5	13	26	0.35	< 10	< 10	97	< 5	15
358173	212 238	< 1	0.01	6	2220	< 2	< 5	13	39	0.31	< 10	10	118		72
358177	212 238	< 1	0.01	13	1690	< 2	< 5	6	21	0.13	10	< 10	70	< 5	44
358178	212 238	4	0.02	10	2110	22	< 5	11	56	0.45	< 10	< 10	88	< 5	26
358003	212 238	< 1	< 0.01	11	180	< 2	< 5	3	1020	< 0.01	< 10	< 10	23	< 5	27

CERTIFICATION :

B. Coughlin

APPENDIX E

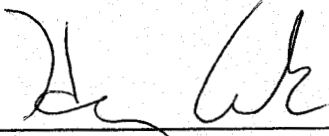
ENGINEER'S CERTIFICATE

ENGINEER'S CERTIFICATE

I, HENRY J. AWMACK, of 308-1510 Nelson 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 Wiser 1 and 2 claims during September 1988, government publications and reports filed with the Government of British Columbia.

DATED at Vancouver, British Columbia, this 13th day of January, 1989.


Henry J. Awmack, P.Eng.

