LOG NO: 02-01 RD.
ACTION:
FILE NO:

SOIL GEOCHEMICAL REPORT

on the

JIM CLAIMS

Record #'s 8578, 8579, 9907 and 9908

MANSON CREEK, BRITISH COLUMBIA

Omenica Mining Division

N.T.S. 93N/10

Lat. 55° 44'N; Long. 124° 37'W

BY: Robert M. Cann, M.Sc.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,893

January 1991

Table of Contents

	Page
SUMMARY	1
INTRODUCTION	2
Property, Location and Access	2
History	4
GEOLOGY	7
Regional Geology	7
Property Geology and Mineralization	7
SOIL SURVEY	11
Purpose and Procedure	11
Results	11
CONCLUSIONS AND RECOMMENDATIONS	13
REFERENCES	14
CERTIFICATE OF QUALIFICATIONS	15
Appendix A - Cost Statement	
Appendix B - Analytical Results	

List of Figures

		Page
Figure 1 -	Location Map	3
Figure 2 -	Claim Map	6
Figure 3 -	Geology and Mineral Occurrences	10
Figure 4 -	Gold and Zinc in Soils	12

List of Tables

Table 1 -	Mineral Occurrences	9

SUMMARY

The Jim claims are located 235 km northwest of Prince George in north-central British Columbia. Claims straddle the Germansen River between the settlements of Manson Creek and Germansen Landing.

The property overlies a section of the Manson Creek Fault Zone; a 65 km long, up to 1 km wide, complex series of anastomosing splays hosting carbonatized and silicified ultramafics, volcanics and sediments. Numerous gold-bearing quartz-carbonate alteration zones and quartz veins are developed along or marginal to the fault.

Work in 1989 located float, apparently originating from gossanous cliffs on the west side of the Germansen River, which carried up to 19.8 g/t Au (0.58 opt).

In July 1990, a magnetometer survey conducted over much of the Jim 4 claim defined a strong, 400 m wide anomaly which is believed to reflect ultramafic rocks within the Manson Fault Zone.

In October 1990, an orientation soil survey was conducted over the Manson Fault Zone (as defined by the July magnetometer survey). The two surveyed lines returned generally low metal values although several isolated samples can be considered anomalous for gold±zinc± arsenic±cadmium. Poor geochemical response may be due to thick alluvial gravels in this area.

Many of the showings in the Manson Creek area have undergone only cursory examinations. Occurrences that have been examined in more detail have never been fully evaluated. Potential exists for the discovery of additional high grade quartz systems and extensive, lower grade, larger tonnage style precious metal bearing alteration zones.

INTRODUCTION

The Jim claim group lies along the Manson Creek Fault. This fault trends northwesterly, is steeply dipping and consists of a complicated series of anastomosing splays, characterized by carbonatized and silicified ultramafics, mafic volcanics and deep water sediments. Movement is interpreted to be strike slip and the width varies from a few hundred metres to over 1,000 metres.

The fault is host to numerous precious metal vein occurrences, one of which (Farrell showing) lies within the Jim 4 claim. Auriferous quartz stockwork mineralization, hosted by extensive silica-carbonate alteration, occurs southeast of the property (QCM claims - Central Zone). A prolonged history of placer mining has also been documented along all major creeks draining the Manson Creek Fault.

Between October 16, 1990 and October 20, 1990 work was carried out on the Jim 4 mineral claim. Because of the lack of outcrop a small orientation soil geochemical survey consisting of 47 samples taken at 20 m intervals (where possible) was conducted over the presumed trace of the prospective Manson Fault Zone. A float sample taken from this area in 1989 carried 19.8 g/t Au; however, no outcrops are known on the Jim 4 claim west of the Germansen River valley.

Property, Location and Access

The Jim claims are located along the Germansen River and are centered 12 km northwest of Manson Creek and approximately 235 km northwest of Prince George, B.C. in NTS: 93N/10 (Fig. 1). Access to Manson Creek is best facilitated by a 225 km stretch of 2 wheel drive gravel road, north from Fort St. James. Alternate road access is provided by a network of well maintained logging roads, which join the Hart Highway (B.C. Highway No. 97) approximately 160 km north of Prince George and 30 km south of MacKenzie.

Float planes fly into the Manson Lakes and fixed wings service Germansen Landing, 27 km to the northwest of Manson Creek. Room, board and provisions can be obtained in both Manson Creek and Germansen Landing.

LOCATION MAP

DATE	SCALE	NTS	DRWG NO.
1989.	1 7500 000		1

The property comprises 64 contiguous units (Figure 2) registered to R. M. Cann. Claim data are listed below.

Claim Name	Units	Record #	Expiry
Jim 1	20	8578	July 17, 1991
Jim 2	20	8579	July 17, 1991
Jim 3	4	9907	Oct. 29, 1991
Jim 4	20	9908	Oct. 30, 1991

History

Placer gold was discovered on Germansen River, Manson River and their tributaries in 1870-71. Production was almost continuous from Germansen River and some 24,138 ounces of gold were recovered until 1949. Total recorded production from Slate Creek, Manson River and several tributary streams was an additional 12,815 ounces of gold.

Intensive prospecting within the Manson Creek - Germansen River camp led to the discovery of a number of lode gold - silver occurrences. Several of these showings, including the Farrell, Ah-Hoo Creek, Motherlode (Flagstaff), QCM, Discovery Bar, Sunset and Fairview, are distributed along or are proximal to the Manson Creek Fault (Figure 3).

Limited trenching and underground development was carried out on the Farrell showing (currently on the Jim 4 mineral claim - Figure 3) prior to 1949 (Armstrong and Thurber, 1949). A 0.7m sample assayed 0.8 oz/t Au and 1.6 oz/t Ag.

Golden Rule Resources Ltd. of Calgary operated the Opec (the Slate 1 to 4 claims cover the Opec 1, 2, 3 and 10) and Flume claims (the Jim 1 to 4 claims cover the Flume 1, 2, 3, 6, and 7) in 1980. Grab samples collected from the Farrell and Fairview showings confirmed previous values (0.345 oz/t Au and 0.550 oz/t Au from the Farrell and 0.098 oz/t Au from the Fairview). Approximately 40 line km of grid controlled geological mapping, geochemical sampling, ground VLF/EM and magnetic geophysical surveying were carried out on the Flume claims (B.C.D.M. Assessment Report 8957). The grid was situated to test suspected major structures and quartz-carbonate alteration zones southeast of the Germansen River.

The Flume claims were re-examined in 1983 by Manson Creek Resources Ltd. (B.C.D.M. Assessment Report 12,362). The program consisted of geological mapping, geochemical sampling and geophysical surveys over the Farrell showing, the Ah-Hoo Occurrence and over selected

gold geochemical anomalies outlined in previous surveys. Several gold and silver soil geochemical anomalies were outlined in an area 400m by 250m and further investigations were recommended. Limited trenching and sampling around the Farrell adit returned up to 0.511 oz/t Au over 3.0m. Altered wallrock adjacent to the vein returned 0.184 oz/t Au over 1.0m.

A limited diamond drilling program (304.8m) was conducted in 1984 in order to evaluate the continuity and extent of the Farrell showing (B.C.D.M. Assessment 12,130). Three holes were drilled proximal to the showing and one hole was located along strike to the north. Results were discouraging and the interpretation was that the Farrell showing lacked vertical and lateral extent. However, the drill spacing and locations may not have been sufficient in order to adequately test this structure. Continued work on the remaining untested soil anomalies was recommended.

JIM 4

JIM 2

Grid

JIM 3

JIM 1

SLATE 3

SLATE 2

SLATE 1

SLATE 4

MANSON

CREEK

RIVER

LAKES

WOLVERINE

JACKFISH

SLATE

0.5 0 1.0 2.0

Kilometres

CLAIM MAP

Figure 2

LOGICAL BRANCH
ASSESMENT REPORT

20,803

GEOLOGY

Regional Geology

The Manson Creek area lies within the allocthonous Intermontane Belt (Ferri and Melville, 1988 and 1989) consisting of Late Triassic to Early Jurassic Takla Group, Middle Paleozoic to Early Triassic Slide Mountain Group and possible Middle to Late Paleozoic Harper Ranch Group. These are intruded by the Early Cretaceous Germansen batholith and the Triassic to Cretaceous Hogem batholith.

The Harper Ranch Group comprises carbonate, epiclastics and mafic volcanics overlain by Slide Mountain Group deep water sedimentary, volcanic and igneous rocks. The Takla Group is an arc assemblage of subalkaline to cal-alkaline pyroclastic and epiclastic rocks with lesser mafic flows.

The most prominent structure in the area is the 65 kilometre long Manson Creek fault zone, which separates the Takla Group in the southwest from the Slide Mountain Group to the northeast. The fault trends northwesterly and varies from a few hundred meters to over a kilometre in width. Lenses of altered ultramafics occur along the zone and are clearly delineated by aeromagnetics. Strike slip motion is inferred by stretched fault-breccia clasts and phyllite clasts, slickensides and fibrous crystal growths. The sense and amount of motion has not been deduced. The Slate Creek lineament is probably a splay off the Manson fault.

Property Geology and Mineralization

The Jim claims are predominantly underlain by a northwest trending series of variably serpentinized ultramafics and mafic volcanics. As the Manson Creek Fault zone is approached the ultramafics become increasingly carbonate altered with the local development of listwaenite (quartz-carbonate-pyrite-fuchsite) and talc schist.

On the Jim 1 and 4 claims (Figure 3) and along the Germansen River, these mafics and ultramafics are in fault contact with graphitic schists and meta-siltsones. At the Farrell showing, a northwest trending zone of mafic volcanics, within the ultramafics, hosts chalcopyrite - tetrahedrite bearing quartz veins. Previous sampling of the largest vein returned 0.511 oz/t Au over 3 m (A.R. 12,362). A sample of quartz - carbonate altered float taken in

1989 on the west side of the Germansen River opposite the Farrel showing ran 0.58 oz/t Au (A.R. 19,211).Geological mapping away from the Germansen River is restricted due to the paucity of outcrop. Exposures do indicate however, repeated belts of ultramafics, mafic volcanics and Slide Mountain Group meta-sediments.

Table 1

Mineral Occurrences

Map	Type	MINFILE Number	Name	Economic Minerals	Geological Description
1	Asbestos	093N 115	Germansen River	Chrysotile	Asbestos is found in varying amounts in a serpentinized ultramafic body near and within the Manson fault zone.
2	Ultramafic-hosted base and precious metals	093N 116	Ah-Hoo Creek	Pentlandite, platinum, gold	Mineralization disseminated in pyrrhotite-bearing serpentinized ultramafic bodies within and near the Manson fault zone.
3	"	093N 024	Motherlode (Flagstaff)	Azurite, malachite, gold, tetrahedrite, chalcopyrite	Mineralization occurs in a shear related to the Manson fault separating a quartz-carbonate-altered andesite(?) and a pyritiferous argillite(?) of the Slide Mountain Group.
4	"	093N 025	Farrell	Tetrahedrite, chalcopyrite, gold	Mineralization occurs in three quartz veins in quartz-carbonate-altered and sheared Slide Mountain rock (andesite?) within the Manson fault zone.
5	Vein-hosted base and precious metals	093N 026	Sunset	Chalcopyrite, gold, silver	A pyrite and chalcopyrite-bearing quartz vein approximately 3 metres wide follows the plane of schistosity in quartz-rich schists near the Manson fault zone.
6	"	093N 063	Discovery Bar	Galena, sphalerite, tetrahedrite	Numerous quartz stringers are sparsely mineralized in a 3.65-metre shear zone separating quartz-carbonate-altered schists and black phyllites of the Slide Mountain Group.
7	"	093N 130	Not named	Tetrahedrite, gold	"
8	"	093N 144	Not named	Chalcopyrite, gold, galena, tetrahedrite	Numerous folded and semi-continuous pyritiferous quartz veins containing varying amounts of mineralization hosted by a well-foliated and pyritiferous quartz-rich schist.
9	"	093N 145	Not named	Chalcopyrite, tetrahedrite	Mineralization occurs in several quartz veins in Slide Mountain volcanics and sediments.
10	Disseminated/stockwork precious metals	093N 198	QCM Claims	Gold	Gold occurs disseminated or in quartz vein stockwork within quartz-carbonate-altered Takla volcaniclastics near the Manson fault zone.
11	Vein-hosted molybdenum and tungsten	93N-078	Tait Tungsten	Scheelite	Scheelite is found in quartz stringers parallel to axial plane cleavage of folds within the Manson fault zone.
12	Vein-hosted precious and base metals	93N-030	Kathy (Joy, Troy)	Galena, tetrahedrite, sphalerite ± scheelite, bornite, chalcopyrite, gold, molybdenite	Mineralization occurs in quartz veins, fault breccia zones and hydrothermally altered rocks related to the Manson fault zone. Veins are hosted in limestones, argillites, ultramafics and chlorite schists of the Slide Mountain Group.
13	(Pb ± Ag, Au)	93N-117	Lost Creek	Galena ± silver, tetrahedrite, gold	Sulphide-bearing quartz veins in limestones, argillites, greenstones and cherts of the Slide Mountain Group within the Manson fault zone.
14	"	93N-136	Not named	"	"
15	(Au, Ag, Cu, W)	93N-023	Fairview	Tetrahedrite, gold, azurite, malachite, chalcopyrite (?)	A 0.5-metre-wide quartz vein is found in a shear zone bounded by quartz-carbonate-altered ultramafics and gabbros. It is traced for approximately 50 metres.

20893

Au soil anomaly

Adit

Manson Creek Fault

Trenches

MANSON L.6096

Quaternary

Al	Alluvium

Upper Triassic - Lower Jurassic
Takla Group

T2	Volcanic conglomerate and sandstones, lesser flows
T1	Argillite, lesser volcanic sediments

Upper Paleozoic - Triassic
Slide Mountain Group

SM3	Pillow basalts, volcanic breccia, chert
SM2	Siltstone, argillite, chert, minor flows
SM1	Graphitic argillite, chert, limestone, serpentinite, listwanite, felsic tuff
Smlc	Felsic tuff
Smlb	Phyllite, argillite, lesser limestone, chert
Smla	Serpentinite, talc-carbonate schist, listwanite

Upper Paleozoic - Triassic

WG	Foliated hornblende, pyroxene gabbro

fault

contact

mineral occurrence

0.5 0 1.0 2.0
Kilometres

Geology & Mineral Occurrences

Figure 3

SOIL SURVEY

Purpose and Procedure

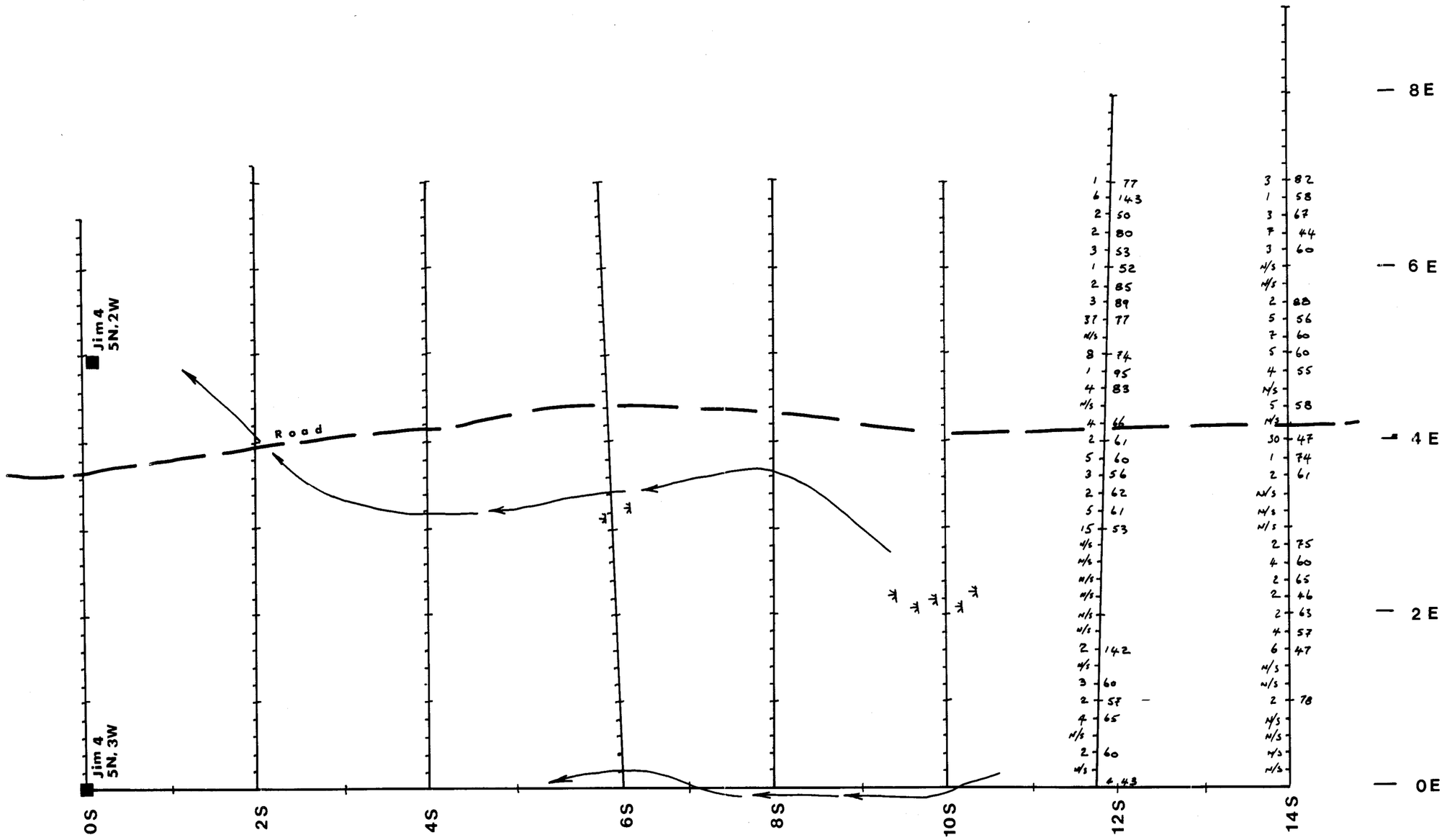
Because of the lack of outcrop away from the Germansen River it was felt soil sampling might be useful for locating potential mineralization in this area. For this purpose a restricted orientation soil survey was conducted.

For control a flagged grid was used (established in July 1990)with 200 m spaced east-west lines and stations established at 20 m intervals (Fig. 2 and Fig. 4). Samples were collected on lines 12S and 14S from 0E (base line) to 7E.

Samples, taken of the B horizon at 15-30 cm depth, were placed in Kraft bags and shipped to Pioneer Laboratories, New Westminister, B.C. for 30 element ICP and gold (AA) analysis (analytical methods - Appendix B). Many stations could not be sampled because of swampy, organic-rich ground.

Results

Gold and zinc values are plotted on Figure 4 while complete analytical results are attached in Appendix B. Scattered, isolated samples are anomalous (by inspection) for gold, zinc, silver, cadmium and barium; however, no anomalous areas can be defined.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,893

ppb Au | ppm Zn

0 100 200 300 m

JIM CLAIMS

SOIL GEOCHEMISTRY

Azimuth Geological Incorporated	By:	Figure: 4
	Drawn:	
	Date: JAN '91	

CONCLUSIONS AND RECOMMENDATIONS

An orientation soil geochemical survey across the Manson Fault Zone in an area of extensive overburden produced only weak, scattered one-sample anomalies for base and/or precious metals. The poor geochemical response suggests either an absence of mineralization and/or a complete masking of all response by excessive overburden.

Three features suggest excessive overburden is a significant factor hampering response. The first feature is the complete lack of any outcrop on the grid suggesting heavy overburden. The second feature is a placer gold pit located 1.5 km north of the Jim 4 claim which exposes 25 m of fluvial gravel and boulder clay over the bedrock (Lay, 1936). This thick sequence could easily extend south onto Jim 4. The last feature is the complete lack of geochemical response for V, Cr, Mg, and Ti. An increase in the abundance of these elements would be expected as the surveyed lines cross the Manson Fault Zone and associated ultramafic rocks.

Further work is highly recommended on the Jim claims. Geological mapping and prospecting should be conducted along the length of the fault. Particular attention should be placed on float samples and recently uncovered road exposures. Detailed soil sampling should be undertaken only after careful consideration of the surficial geology; however, anomalies outlined by previous surveys should be closely examined. The Farrell showing should be re-evaluated in terms of hosting a steeply plunging vein system.

REFERENCES

Armstrong, J.E. and Thurber, J.B., 1945, Manson Creek Map-Area, British Columbia, G.S.C. Paper 45-9.

Ferri, F. and Melville, D.M., 1988, Manson Creek Mapping Project, B.C.D.M. Geological Fieldwork, 1987, Paper 1988-1, pp 169-180.

Ferri, F. and Melville, D.M., 1989, Geology of the Germansen Landing Area, British Columbia, B.C.D.M. Geological Fieldwork, 1988, Paper 1989-1, pp 209-220.

Lay, D., 1936, Report on Manson Creek Placers, B.C.M.M. Annual Report 1936, pp C3-C16.

B.C.D.M. Assessment Reports: 4245, 4246, 8956, 8957, 9944, 10746, 11627, 12130, 12362, 16602.

CERTIFICATE OF QUALIFICATIONS

I, Robert M. Cann, of the City of Vancouver, British Columbia hereby certify that:

1) I am a consulting geologist with offices at 205 - 470 Granville St., Vancouver, B.C.

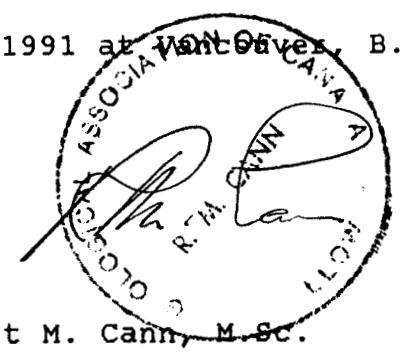
2) I hold a degree of Master of Science in Geology from The University of British Columbia, 1979 and a Bachelor of Science in Geology from The University of British Columbia, 1976.

3) I am a fellow of the Geological Association of Canada.

5) I have been employed in my profession for the past 15 years.

6) This report is based on work directly supervised by myself and on personal knowledge gained while employed in the area in 1983.

Dated on this 25th day of January, 1991 at Vancouver, B.C.



Robert M. Cann, M.Sc.
Consulting Geologist

APPENDIX A

Cost Statement

Cost Statement

Jim Claims

Supervision: R. Cann, M.Sc. 1 day		350.00
W. Taylor, B.Sc.; Oct. 16-20	4 days @ $300/day	1,200.00
Food/Accom (Germansen Landing)		90.72
Truck Rental	4.0 @ 75/day	300.00
Fuel		181.53
Supplies, misc.		95.71
Analytical (46 soils Au+ICP @ $10.25)		471.50
Report (writing, drafting, secretarial)		100.00
Total		**$ 2,789.46**

Appendix B

Analytical Results

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

GEOCHEMICAL ANALYSIS CERTIFICATE

AZIMUTH GEOLOGICAL INC.
Project: 860815
Sample Type: Soils

Multi-element ICP Analysis - 0.5 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm. Au Analysis - 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst R Sam
Report No. 11090054
Date: October 26, 1990

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
12+00S 0+00E	1	33	3	43	.4	27	9	351	2.25	2	5	ND	1	52	.3	2	2	68	1.20	.028	6	38	.84	72	.15	4	1.65	.01	.03	1	4
12+00S 0+40E	1	15	5	60	.3	24	15	847	2.78	7	5	ND	2	48	.6	2	2	87	1.03	.021	5	43	.75	109	.16	2	1.80	.01	.03	1	2
12+00S 0+80E	1	15	2	65	.3	25	11	429	2.60	5	5	ND	3	39	.2	3	2	83	.89	.014	5	43	.86	94	.17	2	1.94	.01	.03	1	4
12+00S 1+00E	1	21	4	57	.3	28	12	438	2.93	4	5	ND	2	37	.3	2	2	87	.92	.029	6	49	1.03	100	.20	2	2.04	.01	.04	1	2
12+00S 1+20E	1	33	5	60	.1	31	12	323	2.70	5	5	ND	3	38	.2	2	2	78	.98	.074	7	45	.96	55	.16	4	1.56	.01	.03	1	3
12+00S 1+60E	2	25	6	142	.7	27	16	429	5.17	13	5	ND	3	23	.3	2	2	112	.47	.180	6	41	.99	94	.17	2	2.78	.01	.05	1	2
12+00S 3+00E	1	38	3	53	.2	69	12	276	2.86	6	5	ND	2	47	.2	2	2	78	1.03	.065	7	82	1.01	90	.15	4	1.73	.01	.04	1	15
12+00S 3+20E	1	30	3	61	.1	35	11	366	2.98	7	5	ND	3	36	.2	2	2	75	.63	.047	9	54	1.10	105	.16	2	1.84	.01	.04	1	5
12+00S 3+40E	1	11	5	62	.1	22	8	225	2.69	10	5	ND	2	31	.2	2	2	87	.65	.038	6	44	.77	91	.20	2	1.91	.01	.02	1	2
12+00S 3+60E	1	29	5	56	.2	36	11	364	2.93	7	5	ND	3	35	.2	3	2	70	.57	.035	9	58	1.04	121	.14	2	1.83	.01	.03	1	3
12+00S 3+80E	1	37	6	60	.2	39	10	347	3.09	9	5	ND	2	43	.2	2	2	70	.71	.051	9	58	1.07	153	.13	2	1.96	.01	.04	1	5
12+00S 4+00E	1	20	5	61	.1	34	12	313	3.26	6	5	ND	2	28	.2	3	2	89	.64	.051	6	64	1.05	115	.20	3	2.21	.01	.02	1	2
12+00S 4+20E	1	31	5	66	.2	70	14	342	3.04	7	5	ND	3	26	.3	3	2	83	.73	.086	6	86	1.09	92	.15	3	2.00	.01	.03	1	4
12+00S 4+60E	1	15	5	83	.1	25	13	388	3.80	11	5	ND	2	25	.3	2	2	101	.68	.142	5	49	.88	67	.19	2	2.19	.01	.04	1	4
12+00S 4+80E	1	25	6	95	.3	34	13	486	4.36	5	5	ND	3	29	.2	3	2	102	.67	.137	5	63	1.07	88	.19	3	2.48	.01	.05	1	1
12+00S 5+00E	1	31	6	74	.1	40	16	519	4.17	9	5	ND	2	35	.2	2	2	109	.92	.043	6	56	1.26	118	.24	3	2.62	.01	.04	1	8
12+00S 5+40E	1	37	6	77	.1	40	15	377	3.80	15	5	ND	2	27	.2	3	2	95	.72	.091	6	59	1.15	106	.21	4	2.29	.01	.02	1	37
12+00S 5+60E	1	24	4	89	.1	31	12	431	3.00	11	5	ND	1	24	.4	3	2	73	.53	.101	6	52	.92	78	.14	3	1.95	.01	.02	1	3
12+00S 5+80E	1	20	5	85	.3	26	16	951	3.74	4	5	ND	1	21	.3	3	2	93	.62	.118	4	45	.89	75	.18	2	1.99	.01	.03	1	2
12+00S 6+00E	2	8	5	52	.1	24	9	355	3.97	7	5	ND	2	24	.3	2	2	117	.64	.054	3	45	.85	77	.25	2	2.00	.01	.05	1	1
12+00S 6+20E	1	29	5	53	.1	28	9	289	2.53	10	5	ND	3	29	.2	3	2	67	.64	.069	8	44	.83	79	.14	4	1.47	.01	.03	1	3
12+00S 6+40E	1	15	7	80	.1	34	12	501	3.27	10	5	ND	2	27	.3	2	2	87	.64	.090	5	51	.74	109	.14	3	1.78	.01	.05	1	2
12+00S 6+60E	1	19	4	50	.1	30	10	379	2.58	6	5	ND	2	36	.2	2	2	62	.62	.038	7	47	.86	82	.14	2	1.45	.01	.03	1	2
12+00S 6+80E	2	81	6	143	.2	54	15	1403	2.93	17	5	ND	3	78	1.1	3	2	68	1.25	.151	15	53	.80	213	.10	4	1.51	.01	.09	1	6
12+00S 7+00E	1	16	7	77	.3	37	10	248	2.75	14	8	ND	3	31	.2	2	2	75	.66	.056	6	55	.64	100	.13	2	1.67	.01	.04	1	1
14+00S 1+00E	1	49	5	78	.2	39	12	555	3.16	14	5	ND	2	54	.7	2	2	84	1.13	.027	9	63	1.03	113	.19	3	2.23	.01	.03	1	2
14+00S 1+60E	2	41	2	47	.1	34	11	880	2.41	7	5	ND	1	58	.4	2	2	67	1.40	.070	6	47	.92	89	.13	4	1.55	.01	.05	1	6
14+00S 1+80E	1	21	7	57	.1	27	9	298	2.62	9	5	ND	1	57	.3	2	2	89	1.21	.021	5	46	.85	102	.19	3	1.97	.01	.02	1	4
14+00S 2+00E	1	23	4	63	.1	34	11	290	2.85	7	5	ND	1	33	.3	2	2	87	.82	.044	5	51	.95	100	.19	4	2.18	.01	.02	1	2
14+00S 2+20E	1	19	3	46	.1	28	10	311	2.51	3	6	ND	2	36	.2	2	2	86	.96	.025	5	45	1.03	91	.21	2	2.06	.01	.04	1	2

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
14+00S 2+40E	1	20	7	65	.1	28	10	277	3.71	12	5	ND	1	25	.2	2	2	103	.63	.092	5	57	.89	92	.21	2	2.30	.01	.02	1	2
14+00S 2+60E	1	19	2	60	.1	26	10	308	2.48	6	5	ND	2	32	.2	2	2	82	.80	.024	5	44	.93	80	.20	2	1.82	.01	.03	1	4
14+00S 2+80E	1	81	9	75	.3	55	17	887	4.22	10	5	ND	3	61	.5	2	2	97	.90	.038	10	85	1.17	218	.14	2	3.44	.01	.04	1	2
14+00S 3+60E	1	23	5	61	.1	31	12	322	2.93	4	5	ND	2	34	.2	3	2	82	.67	.054	6	58	.91	107	.20	2	1.75	.01	.02	1	2
14+00S 3+80E	1	11	6	74	.1	30	8	227	2.51	9	5	ND	2	24	.5	2	2	75	.64	.065	6	53	.73	82	.17	2	1.86	.01	.03	1	1
14+00S 4+00E	1	6	5	47	.2	20	7	241	1.87	2	5	ND	1	32	.7	2	2	69	.69	.024	6	39	.49	81	.14	3	1.45	.01	.02	1	30
14+00S 4+40E	1	36	5	58	.3	39	10	442	2.60	3	5	ND	1	56	.4	2	2	62	1.14	.067	6	54	.97	79	.12	3	1.56	.01	.04	1	5
14+00S 4+80E	1	26	6	55	.1	57	12	316	2.93	2	5	ND	2	33	.6	2	2	78	.91	.071	6	67	.97	68	.15	4	1.62	.01	.03	1	4
14+00S 5+00E	1	38	6	60	.2	68	14	380	3.39	2	5	ND	2	35	.6	2	2	84	.98	.091	6	75	1.09	80	.16	4	1.88	.01	.04	1	5
14+00S 5+20E	1	19	3	60	.1	30	10	289	2.98	2	5	ND	1	28	.4	2	2	87	.76	.085	5	55	.72	89	.18	3	1.86	.01	.03	1	7
14+00S 5+40E	1	31	2	56	.2	34	12	356	3.12	9	5	ND	2	35	.3	2	2	82	.77	.054	6	60	1.01	86	.19	4	1.86	.01	.03	1	5
14+00S 5+60E	1	33	5	88	.2	55	14	785	3.20	2	5	ND	2	53	.6	2	2	81	.99	.089	7	67	.83	147	.16	4	1.95	.01	.06	1	2
14+00S 6+20E	1	61	7	60	.3	65	15	553	3.62	8	5	ND	2	47	.6	2	2	87	1.07	.078	9	68	1.26	85	.19	5	1.86	.01	.03	1	3
14+00S 6+40E	1	39	3	44	.2	48	11	300	2.84	4	5	ND	2	28	.4	2	2	80	.87	.064	4	61	.93	58	.16	4	1.58	.01	.03	1	7
14+00S 6+60E	1	9	5	67	.2	29	9	556	3.05	2	5	ND	1	21	.5	2	2	83	.68	.099	5	50	.52	59	.14	3	1.60	.01	.02	1	3
14+00S 6+80E	1	5	7	58	.1	17	7	430	3.19	2	5	ND	1	22	.4	2	2	104	.47	.072	7	38	.37	60	.17	2	1.13	.01	.03	1	1
14+00S 7+00E	1	10	5	82	.2	19	8	221	3.11	5	5	ND	2	23	.3	2	2	80	.50	.101	7	41	.45	72	.12	3	1.67	.01	.03	1	3