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GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
STAN PROPERTY

Brandywine Creek Area,
Vancouver Mining Division, B.C.

NTS 92 J/3E
Latitude: 50°05' North
Longitude: 123°11' West

By

J. Duro Adamec, Ph.D., F.G.A.C.
1159 Premier Street
North Vancouver, B.C.
V7J 2H3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,788

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 90.04.13

ASSESSMENT REPORT 18788

MINING DIVISION: Vancouver

PROPERTY: Stan
LOCATION: LAT 50 05 00 LONG 123 12 00
UTM 10 5547696 485690
NTS 092J03E

CAMP: 032 Alta Lake Camp

CLAIM(S): Stan 1-3

OPERATOR(S): Adamec, J.D.

AUTHOR(S): Adamec, J.D.

REPORT YEAR: 1989, 34 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver, Copper

KEYWORDS: Coast Plutonic Complex, Garibaldi Group, Volcanics, Greenstone, Faults
Pyrite, Chalcopyrite, Bornite, Malachite, Sphalerite, Pyrrhotite

WORK

DONE: Prospecting, Geochemical
PROS 900.0 ha
ROCK 47 sample(s) ;ME
SILT 10 sample(s) ;ME

FILE: 092J

SUB-RECORDER
 RECEIVED
 MAY 26 1989
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 VANCOUVER, B.C.

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SUMMARY

The Stan property is located approximately 12 km southwest of the recreational resort of Whistler in the Brandywine Creek area, B.C.

The area lies within the Coast Plutonic Complex. The complex is characterized by gneisses and granitoid rocks with pendants and septae of metavolcanic and metasedimentary rocks which are variably metamorphosed from high amphibolite to low greenschist grade.

Two mining operations are located within the area, Van Silver Explorations Ltd. has a mill 2 km southeast and Northair Mine is located 6km north of the Stan property. The 1988 prospecting program defined several areas with anomalous precious and base metal values. The main zone of mineralization occurs on the Stan claims, where gold values up to 90 ppb and silver values of up to 9.2 ppm with accessory copper up to 4517 ppm were recorded.

The results of the geochemical survey indicate that the potential for significant precious and base metal mineralization exists on the Stan property and geological features indicate greater volumes of mineralization could be found.

A program of detailed geological mapping, soil sampling and a geophysical survey is warranted and recommended.

1.0 INTRODUCTION

The Stan 1, Stan 2 and Stan 3 claims, consisting of 55 units are owned by J. Adamec, 1154 Premier Street, North Vancouver, B.C.

The field work on the claims was conducted in June, September and October 1988, totalling in 27 field days, by J. Adamec, Ph.D. The work consisted of reconnaissance prospecting, limited rock and silt sampling.

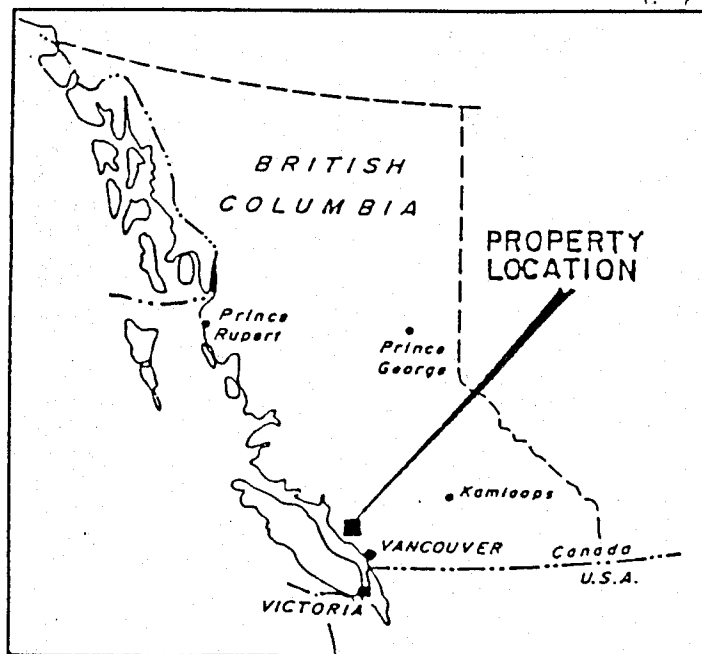
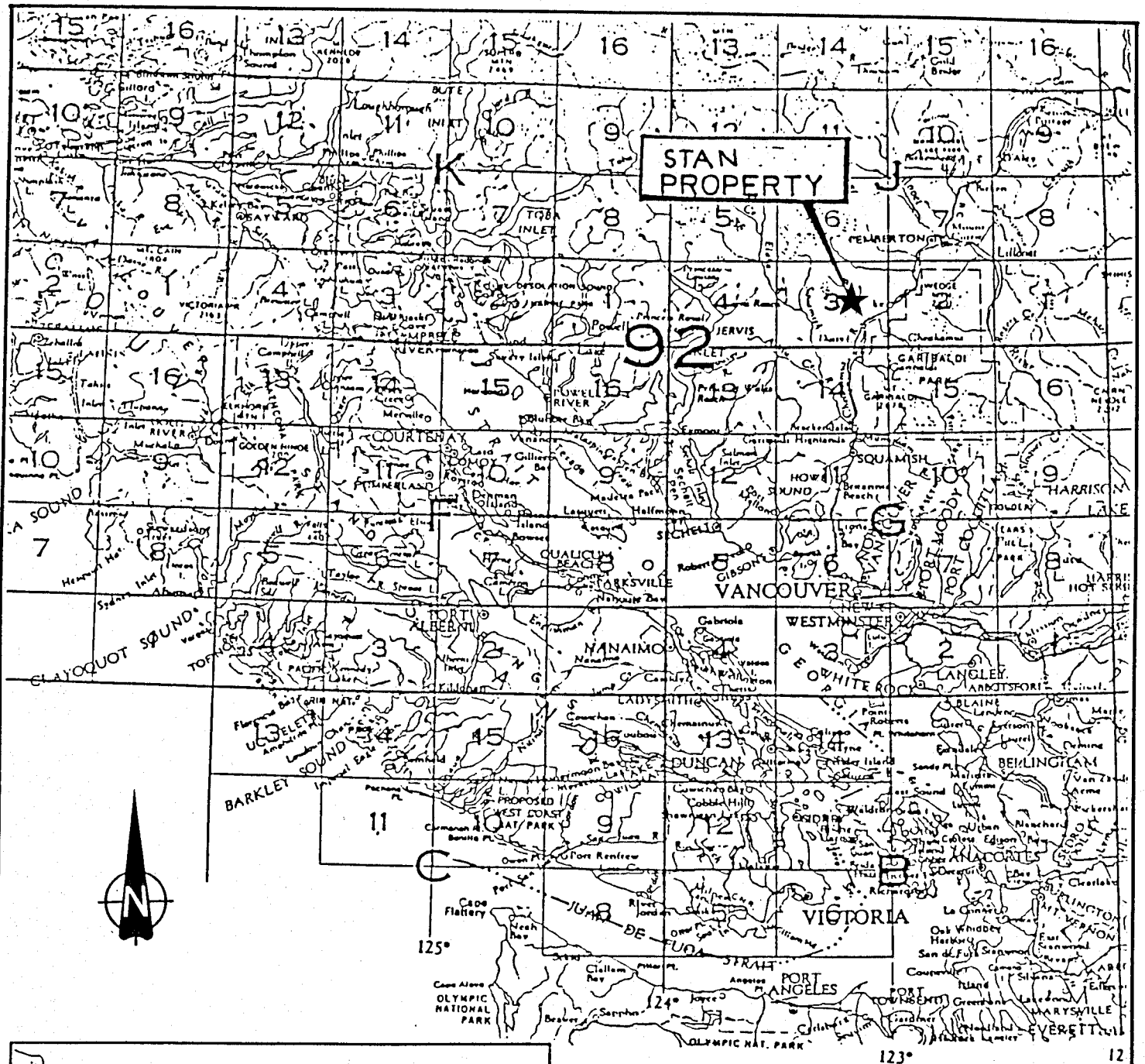
This report reviews the geological setting and 1988 field work on the Stan claim group and provides recommendations for further exploration.

1.1 Location, Access and Physiography

The Stan claim group is located in the Brandywine Creek area, B.C., which is about 12 km southwest of the recreation resort of Whistler and about 87 km north of the city of Vancouver, B.C. The claim group is centered at latitude $50^{\circ}05'$ north and longitude $123^{\circ}11'$ west on 92J/3E map sheet (Figure 1).

Access to the property from Vancouver is via Highway 99 to the Brandywine Trail road and then approximately 6 km to the west to the eastern property boundary. Logging operations throughout the property has resulted in a network of two and four wheel drive roads on the property.

The Stan 2 and Stan 3 claims straddle the Brandywine Creek. Elevations on the property range from 2800 feet in the Brandywine valley to 5500 feet with moderate to



J.D. ADAMEC & ASSOCIATES		
STAN PROPERTY		
LOCATION MAP		
SCALE: AS SHOWN	DATE: DEC./1988	N.T.S.: 93J/3E
J.D. ADAMEC & ASSOCIATES		FIGURE NO: 1

strong relief. Vegetation is typical of coast rain forest with the logged areas for commercial purpose.

1.2 Property Status

The Stan property consists of three mineral claims, totalling 55 units, situated some 87 kilometers north of Vancouver, B.C. within the Vancouver Mining Division (Figure 2).

A list of pertinent claims data is given below:

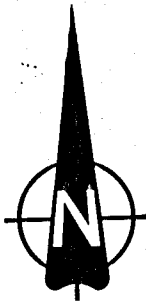
<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>
Stan 1	20	2295	05/10/88
Stan 2	15	2350	09/25/88
Stan 3	20	2351	09/24/88

A search of assessment records indicates that the Stan 1 claim was formally held as the Skyline claim, however no work was recorded. The claims are now owned by Mr. J. Adamec.

1.3 History

The first reports of exploration and mineral occurrences along the British Columbia Railroad (former Pacific Great Eastern Railroad) were made by Camsell (1917) in summary reports, 1917, Part B, Geological Survey of Canada. In the 1924 report of the Minister of Mines, Brewer states that, "During 1924 discoveries were made by Helmar Hogstrom on a small tributary of the Brandywine River, about 3 miles westerly from McGuire Siding, which are of considerable importance and promise to supply a tonnage of ore and supplies for railway-haul during the coming season of 1925." The description apparently applies to the Astra and Cambria

BRANDYWINE
MTN.



STAN PROPERTY



STAN 2

EDNA # 3
1884 (11)
65 X 8 W

EDNA # 4
1885 (11)
35 X 35 E

ALEX #
2
25 X 1 E
1888 (10)

NORTHAIR 5
751 (8)
135 X 15 W

EDNA # 5
1886 (11)
135 X 1 E

DISCOVERY
IV
2308 (5)
23 X 2 W

DISCOVERY
II
2108 (4)
31 X 4 W
(1016 X 4)

DISCOVERY I
2011 (10)
2 X 4 X 4 W

DAN 2
2176
(8)

DAN 1
2176 (8)

STAN 1
2295 (5)
44 X 25 W

BRANDY 6
740 (8)

DISCOVERY
2319 (6)
23 X 19 W

STAN 3

BRANDY 1
735 (8)

BRANDY 2
736 (8)

2267
(4) 1112
2261
(4) 1112
2260
(3) 1112
2259
(3) 1112

BRANDY 3
737 (8)
13 W X 25 E

BRANDY 4
738 (8)
13 W X 25 E

BRANDY
1052 (6)

MT. BREW

Brandywine Falls

0 1 2 km

J.D. ADAMEC & ASSOCIATES

STAN PROPERTY

CLAIM MAP

SCALE: AS SHOWN

DATE: DEC./1988

N.T.S. 93J/3E

J.D. ADAMEC & ASSOCIATES

FIGURE No. 2

MINERAL & PLACER RESERVE
OIC 2242 85-11-29
NO STAKING

Ro

CT.

prospects (B.C. Mineral Inventory 92 JW #1) and Blue Jack prospect (B.C. Mineral Inventory 92-JW #3) operated in 1969 and 1976 by Barkley Valley Mines Ltd. and Van Silver Explorations Ltd.

The area appears to have received a number of prospecting efforts with a few shipments from the Astra-Cambria and Blue Jack prospects.

Blue Jack group - Silver Tunnel

Open Cut 1	0.24 oz/t Au	1.8 oz/t Ag
Open Cut 2	0.20 oz/t Au	2.4 oz/t Ag
Open Cut 3	0.36 oz/t Au	2.6 oz/t Ag (2.5% Pb)

Astra-Cambria, Tedi Pit (1934)

<u>Au (oz/t)</u>	<u>Ag (oz/t)</u>	<u>% Pb</u>	<u>% Zn</u>	<u>% Cu</u>	<u>Width</u>
0.4	2.0	2.6	4.0	tr	15"
tr	1.5	1.0	3.0	-	30"

These old showings are located approximately 2 km south east of the Stan property.

In 1970, on the Callaghan Creek Dr. M. P. Warshawski, an amateur prospector and Mr. A. H. Manifold, a geologist discovered, the Warman property, which is 6 km north of the subject property. The Norman Property was explored and developed by Northair Mines Ltd. from 1972 to start of production of copper, lead and zinc. Milling was suspended in June, 1982 due to economic conditions with reserves as of February 28, 1982 reported at 67,236 tons averaging 0.25 oz Au/ton, 0.77 oz Ag/ton, 1.25% Pb and 1.9% Zn.

2.0 REGIONAL GEOLOGY

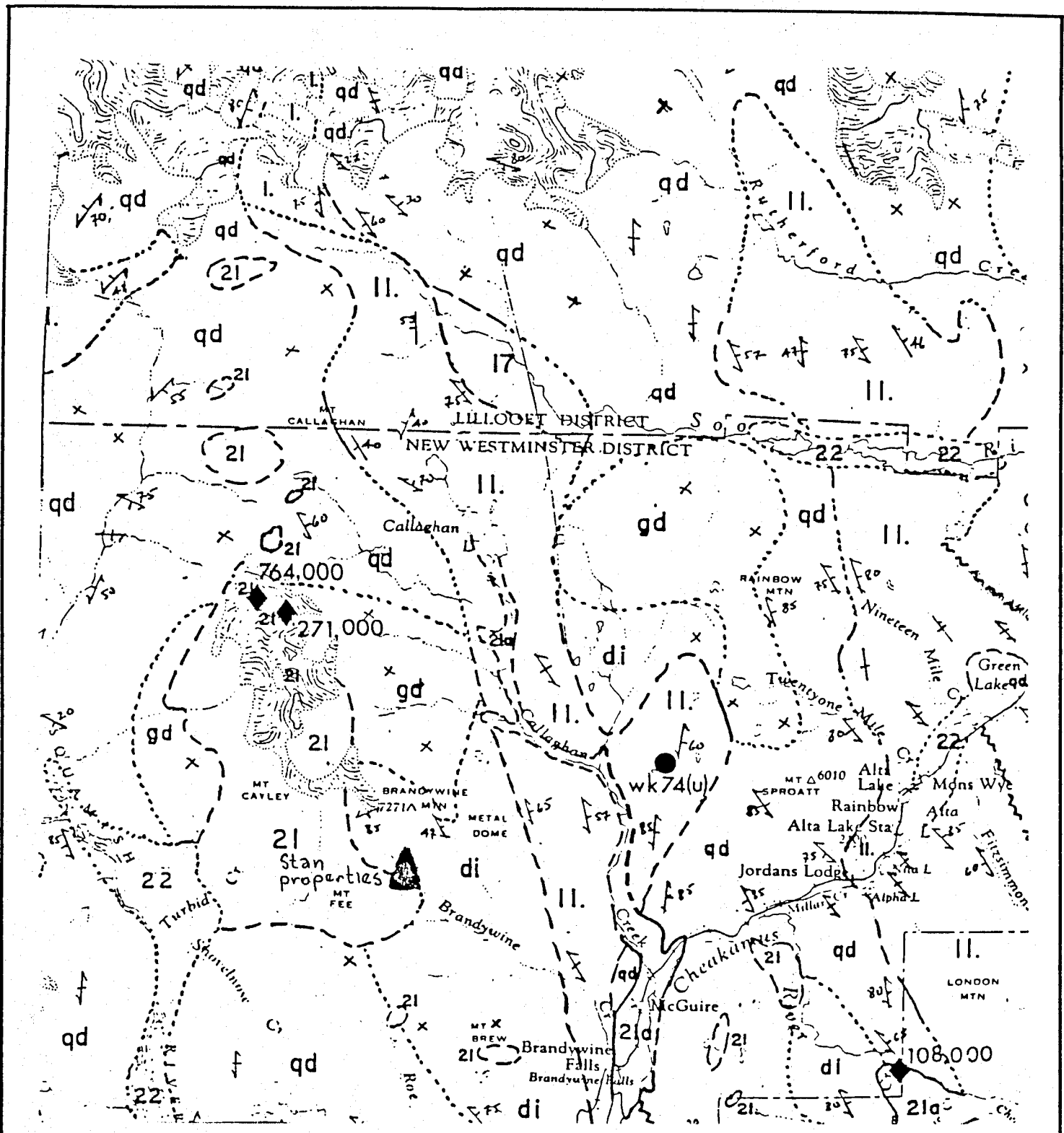
The general geology of the Brandywine Creek area consists of the Callaghan Creek roof pendant, which lies within the Coast Plutonic Complex. Generally, Cretaceous to Triassic pendant rocks in the Coast Plutonic Complex are remnants of volcanic and sedimentary rocks of volcanic island arcs and associated basins (Dickson, 1976). Significant amounts of plutonic detritus is also present in some Lower Cretaceous to Upper Triassic rock units with their presence and extent dependent on the geographic location of the depositional site (Thompson, 1976).

The Coast Plutonic Complex is a complex of gneisses and granitoid rocks with pendants and septae of metavolcanic and metasedimentary rocks which are variably metamorphosed from high amphibolite to low greenschist grade.

These pendants and septae characteristically have a north westerly trending foliation and were developed primary between the Early Cretaceous and Early Tertiary (Surtherland Brown, 1971).

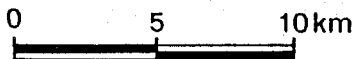
3.0 PROPERTY GEOLOGY AND MINERALIZATION

The Stan claim group is predominantly underlain by dioritic complex, of the Coast plutonic Complex. The dioritic complex consists of medium grained quartz diorite. Dioritic rocks in the area are reported to contain 45% plagioclase, 25% chlorite, 14% epidote, 8% quartz and the remainder accessory minerals (Miller, Sinclair, 1978). Greenstone of assumed andesitic composition is locally weakly to moderately metamorphosed of chloritic and biotitic greenschist.



LEGEND

- di Dioritic complex
- qd Quartz diorite
- 21 Garibaldi group
- ↗ Foliation
- X Bedding



J.D. ADAMEC & ASSOCIATES

STAN PROPERTY

REGIONAL GEOLOGY MAP

SCALE: AS SHOWN	DATE: DEC./1988	N.T.S.: 93J/3E
J.D. ADAMEC & ASSOCIATES		FIGURE No: 3

The southwest part of the property is underlain by Pliocene Garibaldi group consisting of basalt to rhyodacite flows and pyroclastics.

Mineralization on the property is associated with well sheared greenstones as dissemination, massive sulphides and skarn. The minerals at the Stan property are pyrite, chalcopyrite, bornite, malachite, sphalerite and pyrrhotite.

4.0 GEOCHEMISTRY

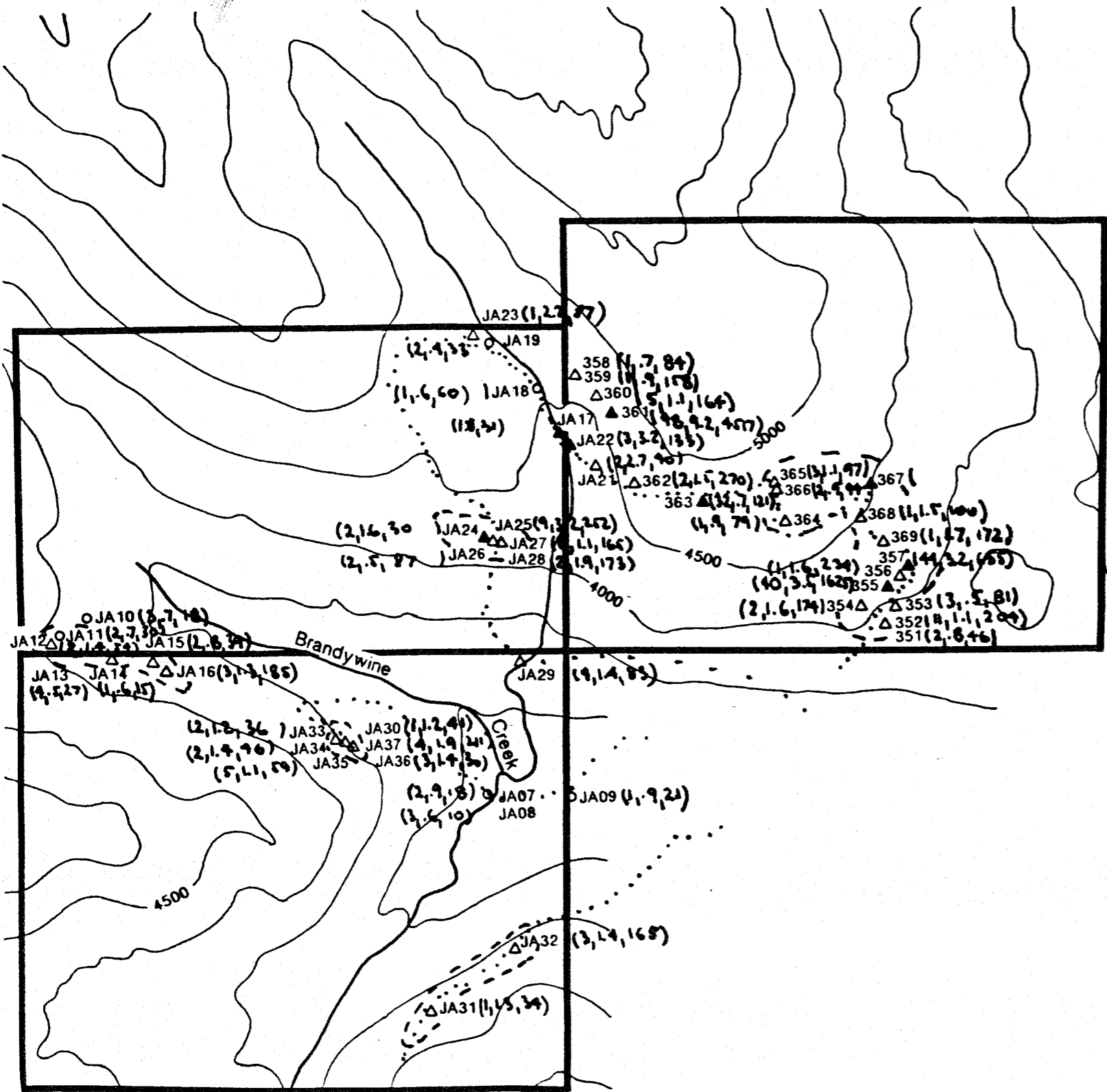
4.1 Discussion of Results

The prospecting consisted of 47 rock samples and 10 silt samples. All samples were shipped to Min-En Laboratories, 705 West 15th Street, North Vancouver, B.C., for 31 elements by ICP and gold by atomic absorption analyses. Rock sample descriptions and analytical results are presented in Appendix II, III and IV.

A summary of results from the better mineralized samples are presented in Table 1.

<u>Sample No.</u>	<u>Type*</u>	<u>Width (cm)</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Other (ppm)</u>
18355	R	25	40	3.5	1625 Cu
18361	R	50	98	9.2	4517 Cu
JA 04	R	40	49	3.3	1473 Cu
JA 05	R	30	27	7.0	4658 Cu
JA 22	G		3	3.2	133 Cu
JA 25	R	30	9	3.2	252 Cu
18357	R	100	44	3.2	655 Cu
18363	R	100	32	0.7	121 Cu

*See rock descriptions.

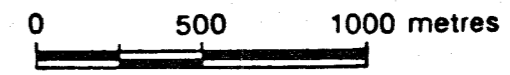


LEGEND

- Silt sample location
- △ Rock sample location
- ▲ Better mineralized samples

All JA samples with prefix "88"
 All sample from 351 to 369 with prefix "18"

(3, 5, 81)
 Au, Ag, Cu
 (ppb) ppm



..... traverses
 (---) outcrop

J.D. ADAMEC & ASSOCIATES		
STAN PROPERTY		
ROCK and SILT		
SAMPLE LOCATION MAP		
SCALE 1 : 25,000	DATE DEC./1988	N.T.S. 93J/3E
J.D. ADAMEC & ASSOCIATES		FIGURE No 4

Stream sediment samples from the streams which drain the property have returned only background values. Only sand sized and coarser sediments were found in these high-energy streams, the finer material having been washed away.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The subject property lies within the Coast Plutonic Complex. This complex is formed by gneisses and granitoid rocks with pendants and septae of metavolcanic and metasedimentary rocks which are variably metamorphosed from high amphibolite to low greenschist grade.

The Stan property is surrounded by well known precious and base metal deposits and lies only 2 km northwest of the Blue Jack Astra-Cambria showings and about 6 km south of the Northair Mine, which are in similar geological setting favourable for precious and base metal mineralization.

Exploration activities in 1988 on the Stan property indicate that the potential for significant precious and base metal mineralization exists on the Stan claims.

As a result of the encouraging geochemical survey conducted on the property, an exploration program designed to test the potential for base and precious metal mineralization is warranted and recommended.

Detailed geological mapping should be carried out on the property. A control grid should be also established on the existing mineralized showings and a

geochemical program along with geophysical program to perform over this grid.

Dependant upon positive results, a trenching, blasting, sampling and initial exploration drilling program should be carried out over the best anomalies to define the source and extent of these anomalies.

Respectfully submitted,

J. Duro Adamec, Ph.D., F.G.A.C.

December, 1988

6.0 REFERENCES

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-
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- Roddick, J. A., and Woodsworth, G. J., 1975. Coast Mountains Project: Pemberton (92J West Half) Map-Area, British Columbia. Geol. Surv., Canada, Paper 75-1, Pt. A, pp. 37-40.
- Woodsworth, G. J., Pearson, D. E., and Sinclair, A. J., 1977. Metal Distribution Patterns Across the Eastern Flank of the coast Plutonic Complex, South-Central British Columbia, Econ. Geol., Vol. 71, pp. 170-183.

APPENDIX I

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, J. Duro Adamec, of 1154 Premier Street, North Vancouver, B.C., hereby certify that:

1. I graduated in geology from Comenius University of Bratislava, Czechoslovakia (1978) and I hold a Ph.D. in Engineering Geology (1982) from the same University.
2. I am a Fellow, in good standing, of the Geological Association of Canada.
3. I have been practicing my profession in Europe, and North America since 1978.
4. The information contained in this report was obtained from field work conducted by myself and others in 1988.
5. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of a private or public financing.

Dated in Vancouver, B.C. this ____ day of _____, 1988.

J. Duro Adamec, Ph.D., F.G.A.C.

APPENDIX II

Rock Sample Descriptions

Rock Sample Descriptions

<u>Sample No.</u>	<u>Sample *Type</u>	<u>Width (cm)</u>	<u>Sample Description</u>
D6 JA 1	R	25	Dark grey, medium grained granodiorite, disseminated pyrite.
D6 JA 2	R	30	Dark Grey, medium grained granodiorite, disseminated pyrite.
D6 JA 3	R	20	Greenstone, disseminated pyrite.
D6 JA 4	R	40	Grey, medium grained granodiorite, malachite, chalcopyrite < 5%.
D6 JA 5	R	30	Andesitic composition, malachite, chalcopyrite < 2%.
D6 JA 6	R	25	Greenstone, disseminated sulphides.
88 JA 12	R	20	Biotite schist, rusty.
88 JA 14	G	-	Limonitic, medium grained, angular breccia.
88 JA 15	R	30	Siliceous greenstone.
88 JA 16	R	25	Greenschist, pyrite < 5%.
88 JA 21	G	-	Green, rusty, schist.
88 JA 22	G	-	Silicified greenstone, metallic luster, pyrite < 10%.
88 JA 23	R	30	Granitic composition, rusty, fine sulphides < 5%.
88 JA 24	R	150	Siliceous rock with disseminated pyrite.
88 JA 25	R	30	Rusty, biotite schist, disseminated pyrite.
88 JA 26	R	25	Silicified, pyritic greenstone.
88 JA 27	R	20	Schistozed greenstone, pyrite, < 5%.
88 JA 28	R	30	Rusty greenstone, pyrite < 2%.
88 JA 29	G	-	Medium grained quartz diorite, disseminated pyrite, quartz stringers.
88 JA 30	R	25	Rusty, siliceous greenstone, partly schistozed, pyrite < 2%.
88 JA 33	R	20	Quartz vein.
88 JA 34	R	30	Coarse dark granodiorite, pyrite < 2%.
88 JA 35	R	100	Rusty, oxidized, biotite schist?

88 JA 36	R	30	Rusty, dark quartz diorite.
88 JA 37	R	30	Quartz diorite with quartz veinlets, pyrite < 5%.
88 JA 31	R	30	Dark quartz diorite, pyrite < 10%.
88 JA 32	R	25	Rusty, fine grained diorite, pyrite < 5%.
18351	R	20	Fine grained pale greenstone, pyrite, chalcopyrite < 10%.
18352	R	100	Fine grained, dark greenstone, pyrite, chalcopyrite < 10%.
18353	G	-	Rusty schist, pyrite, chalcopyrite, bornite < 10%.
18354	R	25	Fine grained greenstone, chalcopyrite, pyrite < 5%.
18355	R	25	Dark biotite schist with quartz stringers, chalcopyrite, pyrite.
18356	R	30	Fine grained, rusty granodiorite, pyrite, chalcopyrite < 5%.
18357	R	100	Greenstone.
18358	R	40	Pale, fine grained granodiorite.
18359	R	300	Rusty fine grained granodiorite, disseminated pyrite, chalcopyrite.
18360	R	15	MEDium grained granodiorite.
18361	R	50	Fine grained greenstone? stringer of chalcopyrite, pyrite, bornite < 50%.
18362	R	30	Rusty greenstone.
18363	R	100	Greenstone.
18364	R	35	Light, fine grained greenstone, pyrite, chalcopyrite < 5%.
18365	R	30	Rusty greenstone, disseminated chalcopyrite.
18366	R	100	Rusty greenstone, chalcopyrite < 5%.
18367	R	25	Fine grained granodiorite?, disseminated pyrite, chalcopyrite.
18368	R	100	Rusty, medium grained granodiorite.
18369	R	30	Quartz diorite, disseminated pyrite, chalcopyrite.

*Note: R - Rock chip samples
G - Grab samples

APPENDIX III

Analytical Methods

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95^oC soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Analytical Procedure Report for Assessment Work

31 Element ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu, Fe, K, Li,
Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn, Ga, Sn, W,
Cr

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer or ring mill pulverizer.

1.0 gram of the sample is digested for 4 hours with an aqua regia HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

APPENDIX IV

Geochemical Data

COMPANY: J.D.ADAMEC & ASSOCIATES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: 88 BC 11

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2158S/P1

ATTENTION: J.ADAMEC

(604)980-5814 OR (604)988-4524

* TYPE SILT GEOCHEM *

DATE: DECEMBER 8, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
88JA07	.9	13760	14	7	102	.7	9	7550	3.4	17	18	37420
88JA08	.6	11220	13	4	84	.4	9	5450	2.3	15	10	46070
88JA09	.9	8240	12	1	40	.7	9	5730	3.7	13	21	20030
88JA10	.7	15400	11	4	62	.7	9	8920	3.4	18	33	26840
88JA11	.7	10340	12	1	48	.4	9	6690	2.4	14	30	20270
88JA13	.5	16790	6	3	149	.6	10	6120	2.4	20	27	34620
88JA17	.6	13270	9	3	47	.5	9	8210	2.9	19	31	24000
88JA18	.6	12410	6	2	32	.6	7	7160	4.8	23	60	25550
88JA19	.4	9820	7	1	31	.3	6	4770	3.3	14	33	14860
88JA20	.4	14140	12	4	49	.6	6	7610	4.0	18	42	20770

COMPANY: J.D.ADAMEC & ASSOCIATES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 2 OF 3

PROJECT NO: 88 BC 11

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2158S/P1

ATTENTION: J.ADAMEC

(604)980-5814 DR (604)988-4524 * TYPE SILT GEOCHEM *

DATE: DECEMBER 8, 1988

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
88JA07	1860	16	7740	490	5	520	10	960	25	6	35	1
88JA08	1590	14	6320	410	4	420	6	920	24	3	30	1
88JA09	870	9	4040	263	5	820	13	820	17	4	30	1
88JA10	1410	12	6390	470	6	1220	21	900	19	2	53	1
88JA11	980	9	3790	270	6	1080	14	710	14	2	37	1
88JA13	2590	12	7120	407	5	650	12	1660	20	1	27	1
88JA17	740	8	6790	497	7	230	9	820	23	1	55	1
88JA18	570	8	8390	540	11	140	14	910	20	1	36	1
88JA19	540	7	6510	348	6	170	10	640	19	1	35	1
88JA20	710	8	10450	566	6	240	16	870	23	1	41	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
88JA07	1	92.5	45	1	2	1	39	2
88JA08	1	113.6	36	1	2	1	36	3
88JA09	1	55.1	23	2	2	2	34	1
88JA10	1	67.5	40	1	2	1	41	3
88JA11	1	59.3	27	2	2	2	33	2
88JA13	1	85.5	42	1	2	1	31	4
88JA17	1	60.8	46	2	2	1	33	1
88JA18	1	44.7	114	1	2	1	38	1
88JA19	1	34.8	30	1	2	1	27	2
88JA20	1	46.9	56	1	1	1	35	1

PROJECT NO: 88 BC 11

705WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2158/P1+2

ATTENTION: J.ADAMEC

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: DECEMBER 8, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
18351	.8	25880	15	11	180	.7	15	13470	3.8	34	46	39170
18352	1.1	27610	8	13	75	.6	20	14680	3.8	35	204	50470
18353	.5	11260	23	7	147	.6	8	7690	3.5	15	81	15770
18354	1.6	27560	14	13	180	.6	21	19730	3.3	45	174	48340
18355	3.5	17580	21	10	36	.6	23	21360	3.8	161	1625	50450
18356	1.6	14990	19	9	153	.7	15	11780	3.1	35	234	32290
18357	3.2	21690	16	12	16	1.0	19	19440	1.8	85	655	88460
18358	.7	30990	7	14	45	.8	9	26910	3.3	60	84	55850
18359	.9	19570	18	10	124	.8	10	11890	4.2	29	158	38770
18360	1.1	27810	21	13	58	.5	14	20220	2.3	33	164	40800
18361	9.2	12320	19	10	10	.9	21	14320	.5	221	4517	169330
18362	1.5	33800	25	15	88	.6	20	11970	1.7	45	270	64610
18363	.7	26170	19	12	335	1.0	12	17140	2.7	26	121	35730
18364	.9	21160	20	10	161	.8	13	11600	4.0	26	79	35080
18365	1.1	20780	20	10	162	.7	15	10480	3.4	26	97	35250
18366	.9	24100	25	10	363	.6	14	8440	2.0	28	94	47540
18368	1.5	24260	19	12	228	.7	18	15490	2.6	25	100	40200
18369	1.7	24020	22	11	144	.6	19	17500	2.0	34	172	45750
D5JA04	3.3	20950	27	10	197	.7	19	14690	4.2	22	1473	21270
D5JA05	7.0	25560	21	12	62	.7	29	12940	3.7	24	4658	41010
D5JA06	.4	12740	25	7	37	.6	11	143890	4.2	24	297	12520
D5JA07	1.3	22290	22	11	248	.8	15	13150	3.9	28	193	33330
D6JA01	1.1	16420	19	8	267	.8	11	12040	3.3	17	46	18760
D6JA02	.9	18880	21	9	97	.8	10	10460	4.7	18	35	24090
D6JA03	1.2	21280	21	9	103	.7	15	14950	2.6	19	54	25150
88JA12	1.4	16660	23	9	49	.6	16	16740	4.9	30	85	31620
88JA14	.6	16120	75	19	172	1.6	6	5210	1.3	20	15	171970
88JA15	.8	23010	23	11	154	.6	15	15430	3.8	25	39	36700
88JA16	1.3	27280	19	11	223	.8	20	22450	2.3	42	185	51220
S88JA21	2.7	22980	19	9	21	.5	31	30520	1.1	38	40	35840
S88JA22	3.2	21100	15	15	208	1.4	16	20320	7.6	33	133	32720
S88JA23	2.2	28060	12	14	147	1.1	15	17990	4.5	26	87	40640
S88JA24	1.6	16310	24	8	200	1.0	11	11540	4.3	15	30	18580
S88JA25	3.2	29380	11	13	112	.8	29	19270	2.8	39	252	52980
S88JA26	.5	51080	26	21	178	.8	13	16030	4.0	47	87	58470
S88JA27	1.1	44380	28	18	86	.6	20	23290	1.1	48	165	97410
S88JA28	1.9	28030	16	13	142	.6	16	23060	2.8	36	173	52670
S88JA29	1.4	33950	5	14	212	1.0	14	32850	5.2	38	83	52850
88JA30	1.2	15420	18	8	126	.5	13	9810	3.8	18	41	25060
88JA31	1.3	34920	18	14	64	.7	17	33630	2.1	29	34	38410
88JA32	1.4	35370	9	14	279	1.0	19	29940	3.0	36	165	60170
88JA33	1.2	8050	23	5	78	.6	10	4530	5.1	14	36	12340
88JA34	1.4	11550	26	6	40	.5	12	11010	4.4	16	46	15710
88JA35	1.1	21420	18	12	179	.8	13	12600	5.3	25	59	35050
88JA36	1.4	27080	16	14	310	.8	15	12350	4.0	24	30	37530
88JA37	1.9	52710	33	21	39	.5	28	13240	2.0	61	211	101270
NONUMBER	1.4	23190	15	9	220	.6	16	14860	4.3	31	44	39760

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
18351	2560	12	18410	703	7	940	14	800	25	1	51	1
18352	1540	11	19050	721	6	830	13	710	30	1	34	1
18353	2390	9	4910	272	8	920	14	430	24	3	37	1
18354	3140	11	20880	892	6	680	39	1700	51	1	40	1
18355	1430	10	15190	576	6	1700	50	680	33	1	21	1
18356	2800	10	9130	400	8	950	14	1510	27	3	28	1
18357	730	10	9650	405	8	250	63	830	19	1	42	1
18358	1290	14	26710	2259	7	670	28	1540	28	1	52	2
18359	2280	11	14730	882	10	610	16	1630	32	2	50	1
18360	1140	11	18710	788	7	540	17	1040	32	3	91	1
18361	500	8	4590	327	1	170	1	880	26	1	47	1
18362	2280	12	24520	859	6	720	17	1010	37	2	38	1
18363	1710	11	13430	697	7	290	13	2100	31	4	115	1
18364	2510	11	14300	688	8	890	14	1230	31	1	56	1
18365	2310	11	14760	704	8	830	13	1090	28	4	49	1
18366	2820	13	17300	456	23	330	28	2060	37	3	25	1
18368	3900	11	14410	859	9	550	15	1400	44	4	51	1
18369	2190	11	16060	581	7	1010	28	1820	26	3	76	1
D5JA04	3340	11	11210	481	7	790	15	970	27	1	84	1
D5JA05	2270	13	15220	1139	8	1030	13	1690	36	1	60	1
D5JA06	1820	9	4390	287	8	470	16	990	18	4	27	1
D5JA07	3250	13	15300	632	6	840	18	1210	31	2	38	1
D6JA01	6770	11	6660	406	7	850	12	810	23	4	65	1
D6JA02	2050	11	11730	806	7	780	20	850	31	3	60	1
D6JA03	2320	11	11010	629	8	700	15	990	36	5	118	1
88JA12	2520	16	7650	371	8	2230	25	1690	19	5	68	1
88JA14	1350	12	3920	982	3	1750	3	1050	16	1	36	1
88JA15	2900	12	12870	739	6	1200	11	1510	24	4	101	1
88JA16	5470	12	19310	724	6	3420	51	1360	27	1	34	1
S88JA21	900	8	8830	442	8	750	26	800	26	5	85	1
S88JA22	3770	17	15660	665	14	680	14	1280	45	16	68	1
S88JA23	2520	13	18770	812	15	690	11	1380	30	5	98	1
S88JA24	4370	11	6690	425	9	940	12	620	32	7	80	1
S88JA25	2030	11	16970	883	9	1140	20	610	40	3	55	2
S88JA26	2100	17	40960	1251	3	1180	124	850	38	1	47	1
S88JA27	1590	12	24650	1471	8	650	9	1360	43	1	91	1
S88JA28	1770	12	18610	952	8	640	26	1830	32	1	48	1
S88JA29	8390	14	26080	1085	5	960	16	1410	29	1	64	1
88JA30	4510	11	9810	531	7	1270	13	550	33	2	25	1
88JA31	2120	14	16230	609	7	1220	12	1980	26	5	129	1
88JA32	5470	13	17040	844	7	4140	7	2660	30	2	65	1
88JA33	2760	10	4160	297	8	960	16	530	25	4	28	1
88JA34	1220	9	3820	347	8	500	15	510	25	5	34	1
88JA35	6750	12	14290	604	6	1750	25	770	24	3	27	1
88JA36	8220	18	17370	821	7	1230	21	1400	32	3	47	1
88JA37	990	17	43380	1658	4	630	48	1040	25	1	25	2
NONUMBER	7750	13	15490	759	6	1680	21	1030	34	4	33	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
18351	1	80.2	47	1	2	1	208	2
18352	1	145.3	57	1	4	1	185	11
18353	1	27.8	27	6	1	5	253	3
18354	1	94.7	80	1	4	1	163	2
18355	1	106.5	61	2	3	1	207	40
18356	1	70.2	40	3	2	2	199	1
18357	1	92.1	40	2	1	1	183	44
18358	1	104.9	69	1	2	1	175	1
18359	1	57.5	106	4	2	1	160	1
18360	1	78.5	69	3	2	1	168	5
18361	1	60.6	28	1	1	1	206	98
18362	1	190.7	78	1	3	1	145	2
18363	1	79.7	55	3	3	2	213	32
18364	1	71.2	82	3	2	3	219	1
18365	1	63.0	87	2	2	5	254	3
18366	1	113.4	56	4	2	4	267	2
18368	1	84.8	97	3	3	3	158	1
18369	1	88.8	57	5	3	4	232	1
D5JA04	1	55.3	54	5	3	3	236	49
D5JA05	1	42.1	75	7	3	1	265	27
D5JA06	1	63.5	19	8	1	1	82	2
D5JA07	1	61.3	80	4	3	2	203	1
D6JA01	1	40.2	28	5	2	3	207	1
D6JA02	1	54.5	63	5	1	3	224	1
D6JA03	1	68.2	32	7	2	7	279	2
88JA12	1	60.4	27	7	2	3	212	2
88JA14	1	81.3	60	1	1	1	105	1
88JA15	1	97.6	60	4	1	8	325	2
88JA16	1	166.2	56	1	4	2	206	3
88JA21	1	128.7	23	6	6	6	263	2
88JA22	1	71.2	83	4	2	1	176	3
88JA23	1	90.0	77	2	2	1	188	1
88JA24	1	38.8	44	7	1	5	256	2
88JA25	1	148.4	71	1	6	1	154	9
88JA26	1	179.0	117	1	5	1	248	2
88JA27	1	226.4	100	1	4	1	168	6
88JA28	1	95.5	78	2	3	5	263	2
88JA29	1	147.2	75	1	3	1	152	4
88JA30	1	67.4	37	3	1	2	219	1
88JA31	1	125.8	48	5	5	1	138	1
88JA32	1	195.0	76	2	4	1	118	3
88JA33	2	32.4	22	6	1	2	201	2
88JA34	2	39.7	25	7	1	6	265	2
88JA35	1	127.8	50	5	3	1	174	5
88JA36	1	102.1	83	4	3	1	176	3
88JA37	1	283.2	108	1	7	1	152	4
NONUMBER	1	111.1	65	4	2	1	163	6

APPENDIX V

Statement of Costs

Statement of Cost

Work Period - June-October, 1988

Prospecting 27 days @ \$100/day	\$ 2,700.00
Food 27 days @ \$27/day	\$ 729.00
Accommodation 27 days @ \$30/day	\$ 810.00
Truck and fuel 27 days @ \$103/day	\$ 2,781.00
Field Supplies	\$ 475.00
Geochemistry 47 rock samples, 10 silt samples	\$ 963.25
Report, drafting, reproductions	\$ 2,500.00
Communications	<u>\$ 50.00</u>
Total:	\$ 11,008.25