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SUMMARY REPORT

on the

DOK PROPERTY

Liard Mining Division
British Columbia

North Lat. 57° 29' West Long. 131° 34'
NTS 104G/5E

.Prepared for.

JOSEPH TARNOWSKI
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GEOLOGICAL BRANCH
ASSOCIATE REPORT

21,221

March 19, 1990

Paul P.L. Chung, F.G.A.C.
Consulting Geologist

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INTRODUCTION

Joe Tarnowski is the register owner of the DOK property which is comprised of 2 mineral claims situated in the Liard Mining Division, northwestern British Columbia. This report, prepared at the request of Mr. Tarnowski describes the work program conducted on the property during September of 1990.

SUMMARY

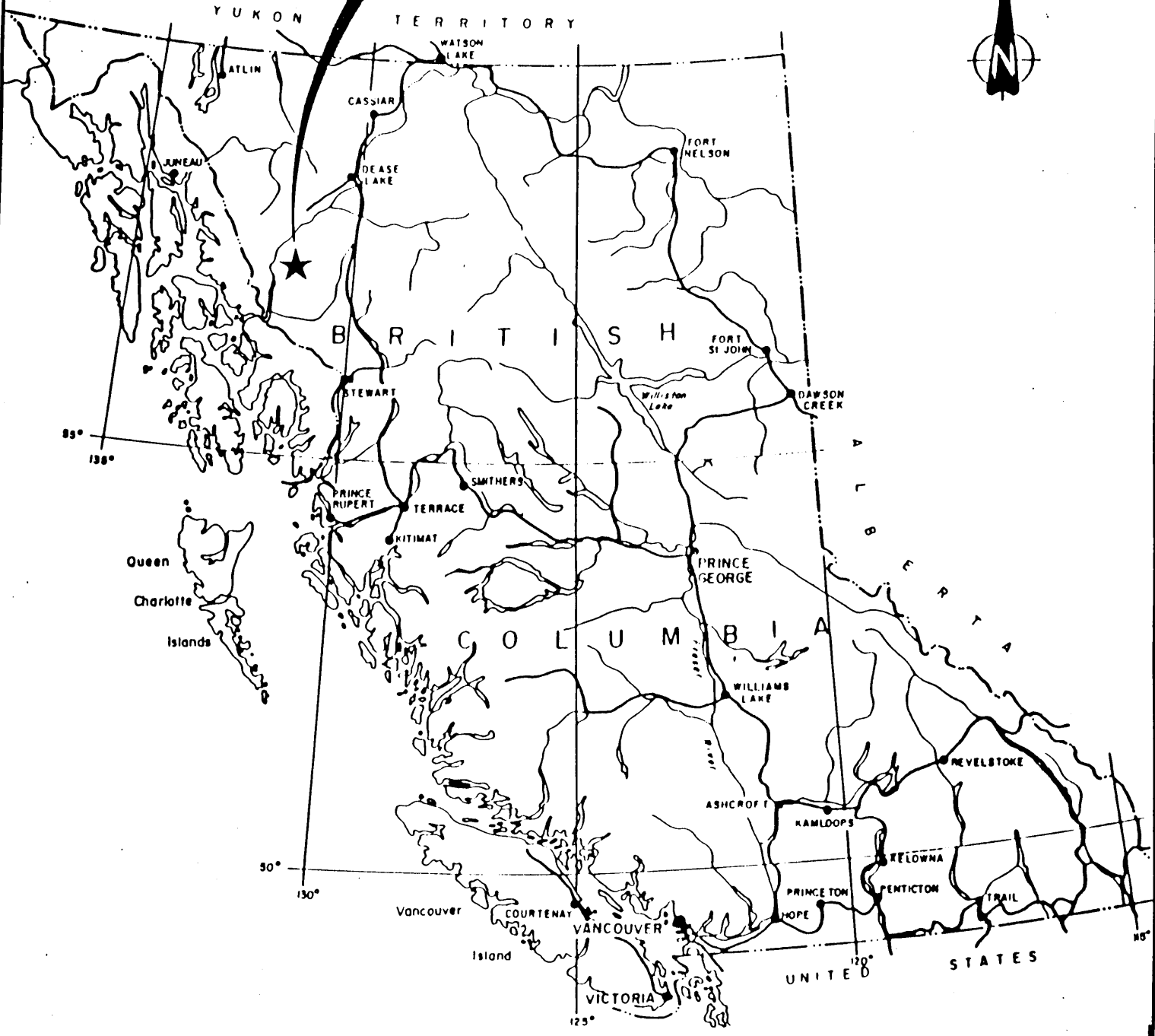
The DOK property is comprised of 2 M.G.S. mineral claims that together total 40 units in the Liard Mining Division. The claims covers part of the Dokdaon Creek drainage, approximately 53 kilometres south of Telegraph Creek in northwestern British Columbia. The geographic coordinates of the property are 57° 29' N Latitude by 131° 34' W Longitude.

Access to the property is provided by helicopter from the Scud River airstrip, approximately 26 kilometres to the southwest, or from the Bronson Creek airstrip, some 105 kilometres to the southeast.

There is no reported recent exploration of the property. However, the area immediately northeast of the claims was the focus of a geochemical, geophysical and trenching program conducted by the Swiss Aluminum Mining Co. of Canada during the early 1970's. Recently the whole Galore Creek Camp has also experienced an increase in precious metal exploration.

A small prospecting program was conducted on the property during September, 1990. During this program, 13 stream sediment and 2 rock samples were collected and analyzed.

PROPERTY
LOCATION

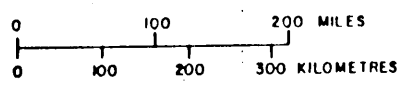


DOKDAON PROPERTY

PROPERTY LOCATION MAP

LIARD MINING DIVISION

COAST MOUNTAIN GEOLOGICAL LTD.



DRAWN BY B.K.	NTS 104G/5	DATE APRIL, 1991	FIGURE 1
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The program did not produce any significant results and no further work is recommended at this time.

LOCATION, ACCESS AND PHYSIOGRAPHY

The DOK property is located within the Coast Range Mountains approximately 180 kilometres northwest of Stewart and 53 kilometres southwest of Telegraph Creek in northwestern British Columbia (Figure 1). The claims lie within the Liard Mining Division and the geographical coordinates for the centre of the property is 57° 29' North Latitude and 131° 34' West Longitude.

Access to the property is provided by helicopter from the Scud River airstrip which is located approximately 26 kilometres to the southwest, or from the Bronson Creek airstrip which is located approximately 105 kilometres to the southeast. During the 1989 field season, a helicopter was stationed at the Galore Creek airstrip, some 41 kilometres to the southeast. Fix-wing aircraft fly charters from Smithers, Dease Lake and Telegraph Creek to the Scud River and Galore Creek airstrips. Scheduled flights from Smithers to the Galore Creek airstrip via the Bronson Creek airstrip during the field season are available. On the Alaska side of the border, Wrangell lies approximately 115 kilometres 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 up river as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to the Scud River airstrip.

The DOK claims covers part of Dokdaon Creek, on the east side of Butterfly Mountain. Topography is steep and rugged with elevations ranging from about 650 metres at Dokdaon Creek to over

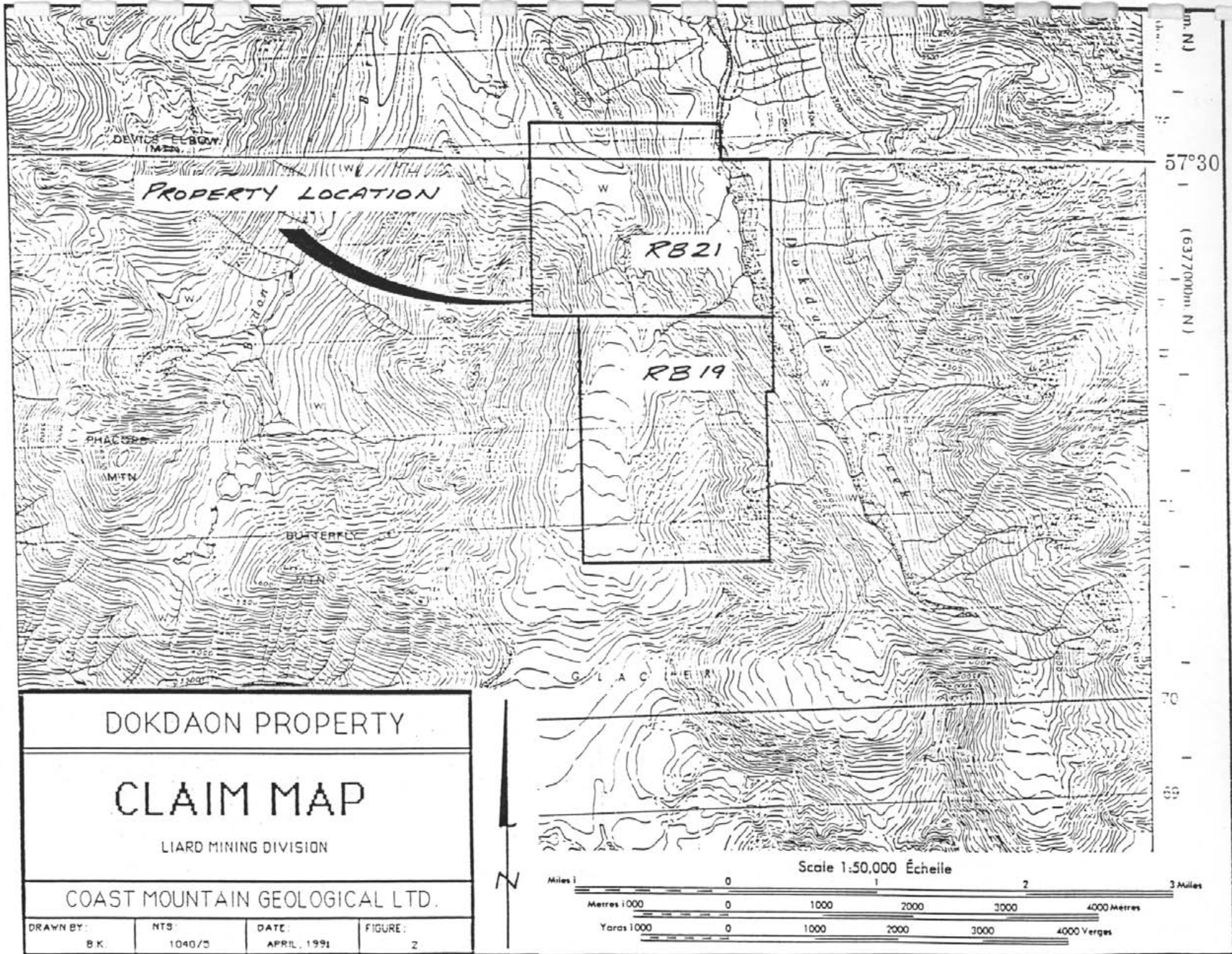
1800 metres at the southern end of RB 19. The tree line is at approximately 1100 metres. Vegetation varies considerably throughout the property. Along the creek, a few rare areas of towering cottonwoods and evergreens with little undergrowth are tucked away in an extremely dense jungle of Devil's club, huckleberry and alder. Most of the slopes are found to be well timbered with spruce, hemlock and fir with little undergrowth.

The claims are situated at the boundary between the wet belt and the gradational belt. In this area temperatures range from -30 to +30 degrees centigrade and approximately 300 centimetres of precipitation is recorded per year, mostly in the form of snow.

PROPERTY AND OWNERSHIP

The DOK property is comprised of 2 M.G.S. mineral claims that together total 40 units and covers approximately 1000 hectares. The claims are situated in the Liard Mining Division, British Columbia. The configuration of the claims are shown in Figure 2. Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the claims are owned by Mr. Joseph Tarnowski who holds the claims in trust for Cascade Investments J.V.. The following table summarizes the pertinent claim data.

<u>Claim</u>	<u>Record No.</u>	<u>Units</u>	<u>Record Date</u>
RB 19	5646	20	January 14/89
RB 21	5847	20	January 14/89



m. N)
 57°30
 (6377000m N)
 70
 55

PROPERTY LOCATION

RB21

RB19

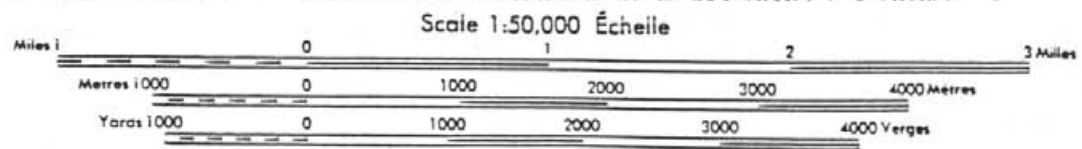
DOKDAON PROPERTY

CLAIM MAP

LIARD MINING DIVISION

COAST MOUNTAIN GEOLOGICAL LTD.

DRAWN BY: B.K.	NTS 1040/3	DATE: APRIL, 1991	FIGURE: 2
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HISTORY

The region first received exploration activity sometime prior to 1914, when Dixon and Bodel staked claims on the Devil's Elbow properties, where the Stikine Mining Company did work for a couple of years. The first systematic mineral exploration in the area occurred in the 1950's following the discovery of the Galore Creek deposit. This early exploration was initiated by Kennco Copper and their search was directed towards finding large tonnage, porphyry copper deposits similar to Galore Creek.

The first recorded exploration in the Dokdaon region was in 1970 when Canadex Mining Corp. staked several claims in the area. Canadex conducted soil sampling and geological mapping locating a number of pyrite - chalcopyrite veins associated with numerous northerly trending fault zones.

In 1971, the Swiss Aluminum Mining Co. of Canada (SAMCC) optioned the ground immediately to the northeast of the DOK property. SAMCC established cut grids on the property and conducted soil sampling, trenching and a ground magnetic geophysical survey. A total of 83 hand dug pits were excavated during 1971 and 1972, with abundant galena, sphalerite, pyrite and chalcopyrite mineralization being found to be associated with syenite and felsite dykes on the property. A large copper and lead soil anomaly was also outlined in the project area which is now covered by Continental Gold Corp's DOK 1-6 claims.

As SAMCC was looking for copper porphyry deposits similar to Galore Creek, only copper assays were reported. Reported assays (given in true widths) include 0.32% copper over 22.8 metres (75 feet), 0.66% copper over 38.1 metres (125 feet) and 0.72% copper over 15.24 metres (50 feet).

The Geological Survey of Canada conducted a regional aeromagnetic survey of the area in 1978. This survey indicates that the DOK property lies on the flank of a magnetic high.

In 1987, the government conducted a Regional Geochemical Survey (RGS) over the Telegraph map sheet (104G). One of those samples (873063) was collected from the RB 21 claim and produced a gold assay in the 75th percentile for the map sheet.

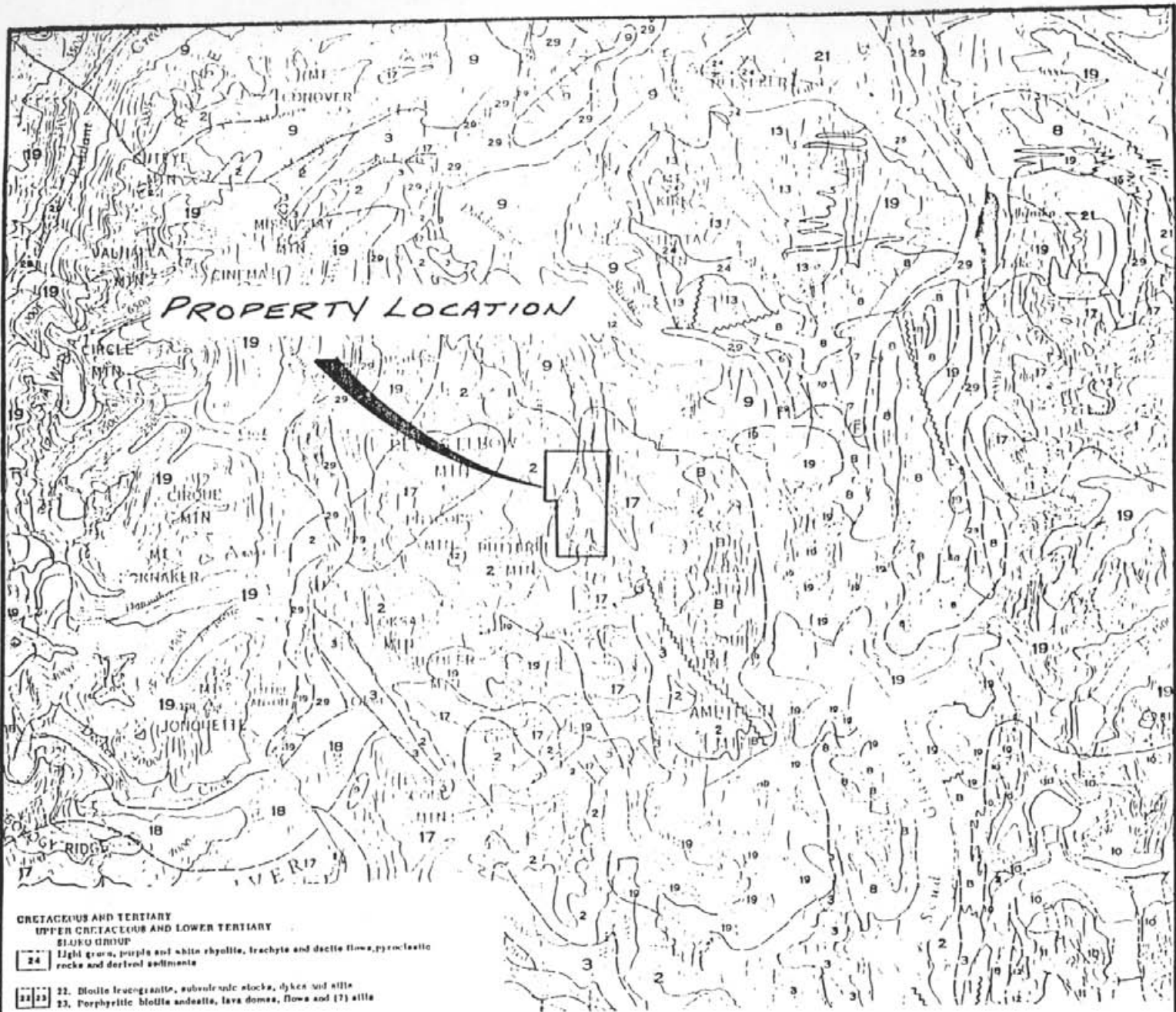
A small prospecting program was conducted on the property by the owners in 1989. This program did not produce any significant results.

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).

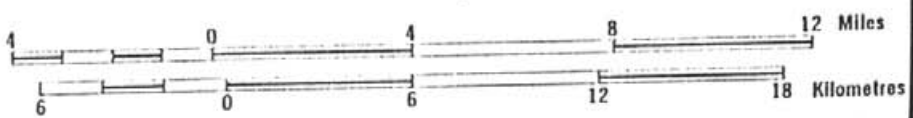
Unconformably overlying the Permian limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments (Units 5 through 8). In the Galore Creek area, Souther (1971) grouped these volcanic and sedimentary members in Unit 9, noting however that it was composed predominantly of augite andesite breccia,



PROPERTY LOCATION

- CRETACEOUS AND TERTIARY**
UPPER CRETACEOUS AND LOWER TERTIARY
BLORO GROUP
 24 Light green, purple and white rhyolite, trachyte and dacite flows, pyroclastic rocks and derived sediments
 23 23. Diolite leucogranite, subvolcanic stocks, dykes and sills
 22. Porphyritic biotite andesite, lava domes, flows and (?) sills
SUSTUT GROUP
 21 Chert-pebbles conglomerate, gravel-boulder conglomerate, quartzose sandstone, arkose, siltstone, carbonaceous shale and minor coal
 20 Felitic, quartz feldspar porphyry, pyriticiferous felsite, asbicular rhyolite; in part equivalent to 22
 19 Medium-to coarse-grained, pink biotite-hornblende quartz monzonite
- JURASSIC AND/OR CRETACEOUS**
POST-UPPER TRIASSIC PRE-TERTIARY
 18 Hornblende diorite
 17 Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite
- TRIASSIC AND JURASSIC**
POST-UPPER TRIASSIC PRE-LOWER JURASSIC
 12 Bynite, orthoclase porphyry, monzonite, pyroxenite
- PERMIAN**
MIDDLE AND UPPER PERMIAN
 3 Limestone, block-banded mafely biohermal limestone; minor siltstone, chert and tuff
- PERMIAN AND OLDER**
 2 Phyllite, argillaceous quartzite, quartz argillite, chlorite schist, gneiss, minor chert, schistose tuff and limestone
- MISSISSIPPIAN**
 1 Limestone, orinoidal limestone, ferruginous limestone; maroon tuff, chert and phyllite
 0 Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic

Scale 1:250,000



~ FROM SOUTHER - 1969 ~

DOKDAON PROPERTY			
REGIONAL GEOLOGY MAP			
LIARD MINING DIVISION			
COAST MOUNTAIN GEOLOGICAL LTD.			
DRAWN BY	NTS	DATE	FIGURE
B K	104G/5	APRIL, 1991	3



conglomerate and volcanic sandstone. The Paydirt gold deposit, located 50 kilometres south of the DOK property, contains 185,000 tonnes of drill-indicated reserves grading 4.11 grams gold per tonne, is hosted within silicified, sericitized and pyritized Upper Triassic andesitic tuffs. This Upper Triassic volcano-sedimentary package is also correlative with that which hosts the Snip and Stonehouse gold deposits of the Iskut River district approximately 85 kilometres 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, 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.

1990 WORK PROGRAM

In September 1990, Coast Mountain Geological conducted a small prospecting and sampling program on the property on behalf of the owner of the claims. During the program, a total of 13 stream sediment and 2 rock samples were taken. As much of the property consists of a ridge top partially covered by glacier, a good reconnaissance tool is to sample the creeks that drain the property. However, often sufficient suitable material for analysis was not available near the headwaters of drainages and the samplers

were force to follow the creeks further down stream and outside of the claim boundaries to find suitable sample sites. The locations of all the samples collected in the program are plotted in Figure 4.

Stream Sediment Survey

The 13 stream sediment samples were taken from the active parts of creeks draining Butterfly Mountain on the west side of Dokdaon Creek. The samples were field dried and sent to Acme Laboratories in Vancouver where they were dried, sieved to minus 80 mesh and analyzed for 32 elements by ICP and gold by AA. The samples returned generally background values for the base metals and gold. However, 1 sample (L2-WO-3) was highly anomalous in uranium with 465 ppm.

Rock Geochemistry Survey

The rock samples were collected while prospecting and were selected for their potential for carrying mineralization. The samples were then sent to Acme Laboratories in Vancouver where they were pulverized and screened. The minus 100 mesh portions were then analyzed for 32 elements by ICP and gold by AA. In all, 12 samples were collected during the course of the program. The two samples collected were of shear zones in intrusive rocks. The results of the survey did not produce any anomalous values. The Certificate of Analysis and the rock sample descriptions accompanies this report as Appendix I and II respectively.

Property Geology

The portion of the property that was examined is underlain by a medium grained granodiorite containing numerous xenoliths (up to 15cm in size). The granodiorite is generally unaltered and not mineralized but epidote veins and patches are present and

disseminated pyrite is usually present. Felsic and mafic dykes cross-cut the intrusive but contain no visible mineralization. Malachite staining was observed in float samples of granodiorite, but was not encountered in outcrop.

CONCLUSIONS AND RECOMMENDATIONS

The limited exploration conducted on the property has not generated any significant results and no further work is recommended.

STATEMENT OF COSTS

Mob and Demob	\$1000.00
Prospectors: 2 @ \$225/day	450.00
Camp Costs: 2 @ \$150/each	300.00
Consumables	30.00
Equipment	30.00
Project Prep	200.00
Assays: Rocks - 2 @ \$13.75 each	27.50
: silts - 13 @ \$11.60 each	150.80
Helicopter: 1.3 hours @ \$767.80	998.14
Freight and Communications	75.00
Management: 12%	380.24
Report	1,000.00

TOTAL COST OF PROGRAM	\$4,641.68
	=====

Respectfully submitted
BOA SERVICES LTD.



Paul P.L. Chung, FGAC


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- Logan, J.M. and V.M. Koyanagi. 1989: Geology and Mineral Deposits of the Galore Creek Area, Northwestern B.C. (104G/3, 4), B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1988, Paper 1989-1, pages 269-284.
- Souther, J.D. 1971: Telegraph Creek Map Area, British Columbia; Geological Survey of Canada Paper 71-44.

STATEMENT OF QUALIFICATIONS

I, Paul P.L. Chung, of the City of Richmond, Province of British Columbia, DO HEREBY CERTIFY THAT:

- (1) I am a Consulting Geologist with business address office at Suite 840 - 650 West Georgia Street, Vancouver, British Columbia, V6B 4N8; and president of Boa Services Ltd.
- (2) I am a graduate in geology with a Bachelor of Science degree from the University of British Columbia, in 1981.
- (3) I have practised my profession continuously since graduation.
- (4) I am a Fellow of the Geological Association of Canada.
- (5) I have conducted various mineral exploration programmes in B.C., Yukon, Manitoba, Ontario, Quebec, Nova Scotia and Nevada.
- (6) This report is based on information supplied to me by Coast Mountain Geological and on selected publications and reports.



Paul P.L. Chung F.G.A.C.

Dated at Vancouver, British Columbia, this 19th day of March, 1990.

APPENDIX I

CERTIFICATE OF ANALYSIS

GEOCHEMICAL ANALYSIS CERTIFICATE

Quest Canada Exploration File # 90-4173 Page 1
 P.O. Box 11569 Vancouver, Vancouver BC V6B 4N8

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
90C-19-F42	2	498	11	136	.8	7	17	920	3.99	2	5	ND	1	143	.2	2	2	86	.99	.204	8	8	1.74	36	.17	4	1.70	.04	.13	2	15
90C-15-K24	1	51	2	5	.3	3	5	115	2.68	14	5	ND	1	33	.2	2	2	2	1.31	.014	2	1	.03	41	.01	8	.05	.01	.01	2	12
90F-15-K20	1	50	9	104	.2	72	27	1109	6.05	48	5	ND	1	548	.2	5	2	132	6.77	.105	3	244	3.24	254	.20	5	2.41	.01	1.37	1	2
90F-15-K21	1	81	3	57	.2	78	28	886	5.33	6	5	ND	1	164	.2	2	2	44	7.05	.109	3	143	3.40	135	.01	5	1.67	.01	.35	1	2
90F-32-K06	5	27	2	18	.1	17	2	419	1.34	25	5	ND	1	12	.2	5	3	4	.12	.007	2	16	.05	65	.01	8	.09	.02	.03	1	4
90G-01-W01	1	5	4	16	.1	4	2	275	.94	2	5	ND	2	101	.4	2	3	20	.65	.008	4	8	.28	22	.01	6	.58	.01	.04	2	4
90G2:R157	1	16	9	32	.4	7	5	1500	1.40	2	5	ND	5	184	.6	4	2	10	12.65	.032	10	7	.26	1669	.01	5	.61	.01	.13	3	2
90G2:R158	2	46	11	126	.9	17	12	2470	3.29	12	5	ND	1	210	1.3	12	2	10	20.37	.029	6	14	1.36	1257	.01	4	.36	.01	.08	3	2
90G-15-K22	2	435	7	72	.9	8	28	504	6.88	7	5	ND	5	178	.3	5	2	264	2.32	.286	14	11	2.14	66	.08	3	1.88	.03	.09	2	7
90G-15-K23	1	290	6	90	1.0	4	28	534	7.58	69	5	ND	5	110	.3	3	2	273	.96	.299	16	9	2.07	79	.04	2	2.31	.03	.06	1	84
90G-15-K25	2	105	2	40	.5	7	13	146	5.84	2	5	ND	1	90	.2	4	2	46	1.81	.090	3	12	1.60	38	.14	4	2.12	.17	.34	1	14
90G-15-W30	2	638	1326	10627	9.9	18	14	329	8.92	880	5	ND	1	22	160.4	4	15	20	1.05	.191	4	10	.47	14	.06	2	.97	.01	.23	1	1540
90F-15-W31	1	66	20	1361	2.5	2	2	1719	1.29	92	5	ND	1	433	23.1	2	6	1	32.34	.002	2	1	.07	5	.01	4	.06	.01	.02	1	860
90G-15-W32	1	113	2	55	.3	6	18	829	3.57	17	5	ND	5	107	.2	2	2	89	1.55	.265	21	9	.84	140	.06	16	1.67	.02	.11	3	11
90G-15-W33	4	1140	131	1581	23.6	2	11	118	14.97	15212	5	15	3	22	27.4	12	22	6	.92	.035	2	7	.03	12	.01	2	.32	.01	.24	1	12100
90G-15-W34	1	479	15	601	3.4	4	5	106	4.98	534	5	ND	7	18	9.0	2	6	13	.25	.087	7	1	.13	43	.01	4	.79	.02	.28	1	430
90G-15-W35	2	42	13	42	2.6	2	1	55	1.77	600	5	ND	2	8	.7	2	4	5	.09	.012	2	1	.03	63	.01	5	.19	.01	.14	4	590
90G-15-W36	1	908	14	493	6.4	2	8	48	6.31	390	5	ND	6	15	10.1	2	7	10	.20	.072	5	1	.13	21	.01	2	.65	.01	.26	1	340
90G-15-W37	1	379	92	237	12.1	4	12	108	16.88	771	5	2	1	7	3.8	11	3	3	.23	.003	2	7	.03	5	.01	2	.05	.01	.01	8	960
90G-15-W38	21	203	4	13	11.9	7	4	32	4.16	50	5	ND	1	4	.2	2	4	3	.08	.006	2	3	.01	14	.01	2	.02	.01	.01	6	119
90G-15-W38 A	4	151	2	33	.5	73	31	92	4.35	2	5	ND	1	116	.2	3	2	45	1.91	.113	2	83	1.41	80	.12	2	2.59	.33	.44	1	4
90G-15-W39	1	129	2	12	1.4	7	29	463	8.48	8	5	ND	1	23	.2	2	2	1	5.58	.006	2	6	.02	1	.01	2	.02	.01	.01	3	103
90G-15-W40	1	26	2	13	.1	3	7	816	6.54	15	5	ND	1	16	.2	2	2	21	7.49	.012	2	12	.06	7	.03	2	.58	.01	.01	12	3
90G-15-W41	1	15	3	46	.4	3	1	101	.26	9	5	ND	1	204	.9	2	2	1	35.22	.004	3	4	.20	5	.01	4	.02	.01	.01	2	8
90G-15-W42	1	332	2	8	.3	1	3	345	1.30	2	5	ND	1	138	.6	3	2	1	32.03	.005	2	7	.49	5	.01	5	.01	.01	.01	7	2
90G-15-W43	3	198	2	21	1.0	1	7	1624	13.35	3	5	ND	1	2	1.2	5	2	10	9.83	.010	6	18	.05	2	.01	2	.14	.01	.01	8	6
90G-15-W44	1	20	2	23	.2	2	3	1129	4.63	4	5	ND	2	16	.3	2	4	21	8.83	.010	2	8	.07	5	.02	3	1.19	.01	.01	2	1
90G-15-W45	2	847	58	52	19.2	1	3	506	45.12	3001	5	3	1	2	1.4	7	43	1	.47	.001	2	16	.49	1	.01	4	.02	.01	.01	1	2260
90G-15-W46	1	1487	15	1230	24.8	1	14	293	45.68	94	5	5	1	2	13.4	5	314	1	.53	.017	2	9	.05	2	.01	4	.03	.01	.01	1	126000
90G-15-W47	4	89	2	57	1.9	2	4	1342	4.55	150	5	ND	1	81	.3	6	5	4	26.64	.019	4	8	2.56	51	.01	2	.05	.01	.01	3	390
90G-15-W48	6	3877	10	61	4.7	6	60	653	28.33	39	5	ND	1	8	2.2	4	26	7	1.90	.020	2	21	.11	7	.01	3	.20	.01	.01	61	420
90G-15-W49	8	3019	4	72	9.1	3	84	737	32.98	56	5	ND	1	33	2.7	12	15	52	1.62	.043	2	28	.86	7	.03	3	1.58	.10	.02	15	340
90G-15-W50	3	5575	10	34	6.4	2	76	324	27.20	23	5	ND	1	3	2.1	7	3	4	.62	.002	2	24	.06	1	.01	2	.02	.01	.01	330	34
90G-15-W51	1	5811	33	157	30.3	3	55	123	22.10	884	5	3	1	1	3.5	9	12	7	.09	.004	2	11	.07	2	.01	3	.11	.01	.01	66	1850
90G-15-W52	1	1209	27	175	6.1	2	33	237	47.70	2	5	ND	1	1	4.6	4	12	1	.15	.005	2	10	.03	1	.01	4	.03	.01	.01	49	55
90G-15-W53	1	384	10	3027	19.6	2	4	209	24.71	32	12	74	1	38	53.9	17	180	1	8.63	.006	2	18	1.56	4	.01	2	.04	.01	.04	1	46200
STANDARD C/AU-R	18	58	40	131	6.9	72	31	1051	3.95	41	16	7	37	52	18.6	15	20	56	.50	.098	37	60	.88	179	.07	38	1.87	.06	.14	12	510

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AU. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-2 ROCK P3-7 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 6 1990 DATE REPORT MAILED: *Sept 10/90* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Coast Mountain Geological Ltd. File # 90-2014 Page 1

P.O. Box 11604, 820 - 650 W. Georgia St., Vancouver BC V6B 4N9

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L1-FO-001	1	87	5	35	.2	11	13	400	4.46	5	5	ND	5	31	1.2	2	2	103	.89	.081	12	49	.63	96	.08	4	.76	.02	.04	1	2
L1-FO-002	1	75	5	31	.1	9	9	288	3.86	2	5	ND	5	23	1.6	3	2	80	.41	.062	14	29	.53	103	.05	2	.60	.02	.04	3	3
L1-WO-1	5	281	30	90	.7	49	24	760	4.27	38	15	ND	4	50	1.9	5	2	78	.82	.075	13	59	1.59	220	.07	7	2.09	.04	.11	1	4
L1-WO-2	6	496	27	113	1.5	40	19	734	5.39	44	26	ND	7	58	3.3	11	2	64	.70	.068	16	47	1.58	552	.02	5	2.50	.05	.25	1	11
L2-FO-001	2	32	2	80	.3	17	13	637	5.53	34	5	2	2	78	2.8	6	2	36	.83	.178	18	33	1.05	83	.13	8	1.93	.10	.33	1	7
L2-FO-002	1	47	8	110	.3	28	30	1302	8.02	18	5	ND	2	62	3.0	9	2	87	1.08	.251	22	47	2.21	148	.17	9	4.09	.10	.32	1	3
L2-FO-003	1	53	13	114	.5	28	11	468	3.88	16	5	ND	1	76	3.1	4	2	29	5.62	.083	6	27	.61	67	.03	2	1.38	.03	.07	1	3
L2-FO-005	1	102	37	77	.3	63	20	1277	4.01	7	23	ND	9	39	1.6	4	2	64	.75	.104	33	41	1.38	177	.05	2	3.60	.05	.08	1	4
L2-FO-006	1	38	57	84	.4	13	13	1144	2.85	6	5	ND	10	59	1.1	2	2	47	.80	.095	23	26	1.00	259	.04	2	2.21	.02	.07	1	1
L2-FO-007	1	15	29	56	.1	8	10	526	3.23	2	5	ND	10	35	.3	2	2	72	.51	.080	22	21	.83	114	.07	2	1.19	.03	.05	1	36
L2-FO-008	1	14	20	49	.1	9	9	493	2.73	2	5	ND	9	31	.3	2	3	62	.50	.068	16	21	.75	88	.07	2	1.23	.03	.05	1	6
L2-WO-1	1	16	2	15	.1	6	7	232	2.64	3	5	ND	8	39	.3	2	2	74	.76	.093	15	14	.38	59	.07	4	.63	.03	.03	1	3
L2-WO-2	1	18	3	19	.1	7	8	253	3.08	2	5	ND	7	41	.3	2	2	85	.75	.096	18	16	.44	66	.08	9	.73	.04	.04	1	8
L2-WO-3	2	24	18	57	.2	7	6	795	1.29	14	465	ND	2	226	.2	2	2	30	1.90	.138	19	21	.42	882	.02	6	1.69	.02	.07	1	5
L2-WO-4	1	14	3	34	.1	10	12	465	3.94	5	5	ND	18	29	1.1	2	2	85	.41	.082	23	26	.88	140	.05	9	1.16	.02	.04	1	2
L2-WO-5	1	16	19	50	.1	9	12	670	4.21	5	11	ND	15	32	1.5	2	2	92	.48	.078	22	23	.96	175	.06	2	1.34	.03	.06	1	1
L3-FO-001	1	82	2	90	.2	87	17	674	3.67	27	5	ND	2	61	1.5	5	3	70	1.44	.101	15	75	1.62	139	.09	7	2.18	.04	.11	1	4
L3-FO-002	1	79	7	65	.2	36	16	465	4.00	15	5	ND	1	49	1.1	2	3	66	.77	.094	9	53	1.47	189	.12	2	2.10	.06	.13	1	19
L3-FO-003	1	23	5	47	.1	16	11	632	2.62	4	16	ND	6	51	.2	2	2	42	.65	.083	19	24	.93	276	.04	2	1.58	.02	.07	1	2
L3-FO-004	1	77	37	122	.6	33	15	509	4.95	31	5	ND	3	86	2.0	2	2	81	.85	.067	12	37	.95	85	.12	2	1.80	.07	.07	1	5
L3-FO-005	2	38	33	74	.4	23	11	523	2.66	8	23	ND	7	70	1.0	2	3	48	.76	.067	12	32	.96	105	.08	2	1.90	.03	.10	1	1
L3-WO-1	1	41	12	70	.4	57	14	560	3.53	5	5	ND	3	48	1.3	2	2	71	.89	.086	13	50	1.33	138	.11	2	1.79	.05	.08	3	4
L3-WO-2	1	44	49	165	.8	41	13	615	3.41	77	5	ND	1	245	2.2	5	2	38	5.96	.060	8	36	.83	46	.06	2	2.10	.07	.08	1	2
L3-WO-3	1	18	21	54	1.0	12	10	729	2.45	21	5	ND	8	56	.8	2	2	41	.51	.073	17	18	.90	205	.05	5	1.31	.02	.06	1	6
L3-WO-4	1	45	27	77	.2	28	13	649	3.42	23	5	ND	5	60	1.3	2	2	60	.82	.073	13	32	1.05	172	.09	2	1.85	.04	.08	1	3
L3-WO-5	1	16	8	31	.1	7	8	431	2.13	2	5	ND	6	43	.2	2	2	39	.43	.066	18	13	.71	183	.04	2	1.03	.01	.04	2	3
L4-FO-001	1	159	9	160	.9	112	44	888	7.33	50	5	ND	1	71	2.8	3	2	99	1.02	.106	11	121	3.08	176	.15	6	3.78	.06	.22	1	8
L4-FO-002	1	168	13	84	.2	112	27	669	4.33	16	5	ND	1	85	1.8	5	2	92	1.24	.101	8	199	2.74	181	.14	2	3.72	.09	.21	1	69
L4-FO-003	1	87	12	71	.2	69	19	870	3.97	12	5	ND	2	49	1.8	3	2	75	.99	.100	14	66	1.60	185	.11	2	2.20	.05	.14	1	1
L4-FO-004	1	41	14	45	.2	41	13	490	3.40	8	5	ND	2	45	1.2	2	3	74	.70	.073	15	55	1.11	98	.10	3	1.52	.04	.09	1	3
L4-FO-005	1	91	2	70	.1	49	22	770	4.56	6	5	ND	1	42	1.4	4	2	78	.84	.161	8	90	1.82	188	.16	2	2.82	.03	.32	1	4
L4-FO-006	1	88	15	96	.3	83	30	649	5.27	15	5	ND	1	108	1.9	8	2	82	1.49	.093	5	112	2.65	239	.15	8	4.16	.16	.29	1	2
L4-FO-007	1	93	4	66	.1	38	18	590	4.13	5	5	ND	1	54	1.5	3	2	70	1.10	.246	11	61	1.57	234	.14	6	2.30	.04	.34	1	5
L4-WO-1	1	108	4	58	.2	104	25	759	4.84	3	5	ND	1	55	1.3	7	2	78	.99	.121	4	215	2.59	164	.15	2	3.37	.06	.51	1	2
L4-WO-2	1	71	11	88	.2	43	19	753	3.76	31	5	ND	1	77	1.4	5	5	78	1.55	.111	6	55	1.47	282	.09	3	2.71	.08	.20	1	4
L4-WO-3	1	70	8	53	.4	40	18	358	3.48	24	5	ND	1	58	.7	4	2	69	1.14	.110	7	46	1.45	185	.13	2	2.19	.11	.09	1	20
STANDARD C/AU-S	17	63	37	123	7.4	67	29	989	3.82	36	17	6	35	47	17.8	14	21	54	.41	.095	36	56	.78	175	.08	32	1.69	.07	.14	13	48

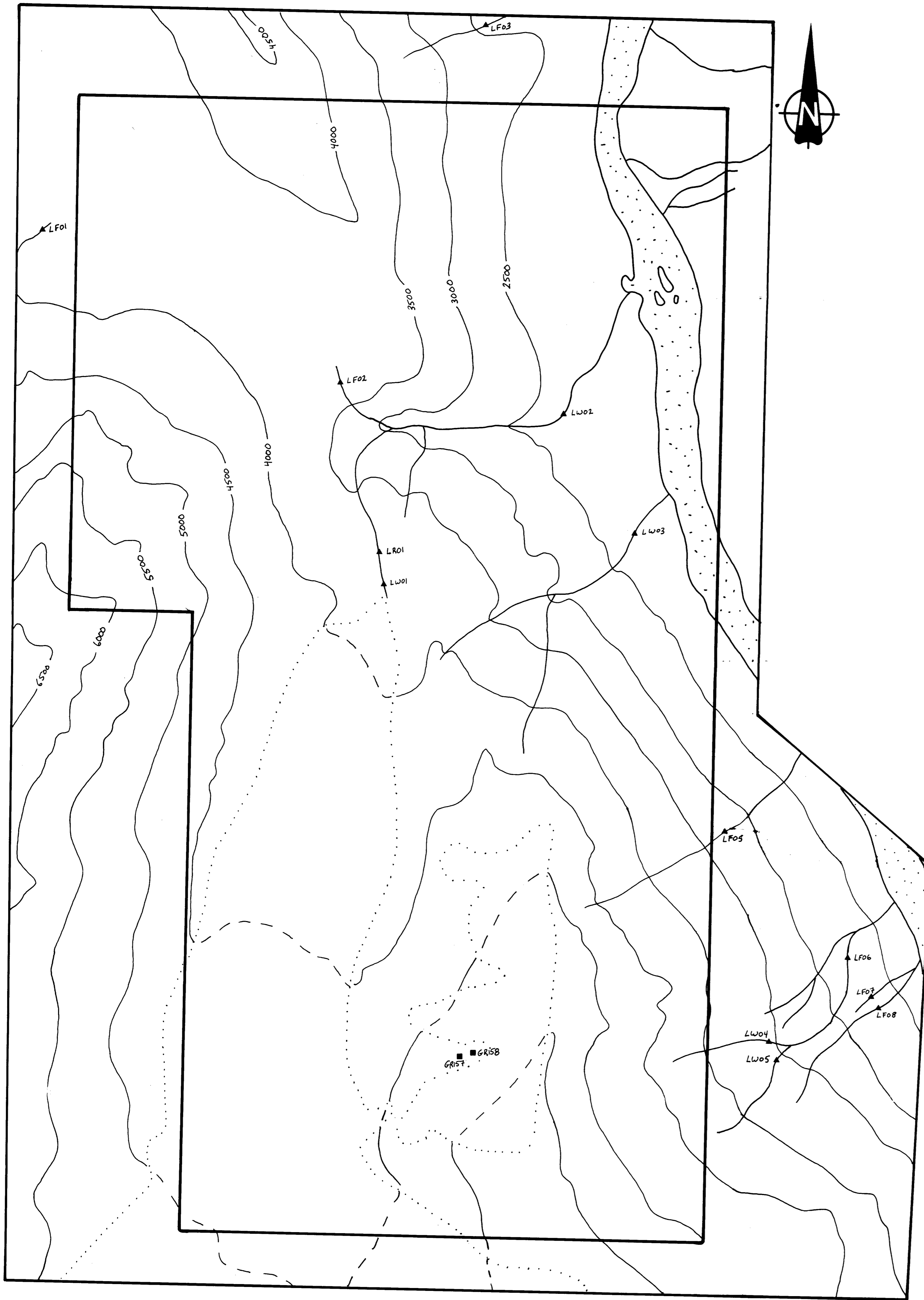
ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1-P5 Soil P6 Moss Mat AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 26 1990 DATE REPORT MAILED: June 29/90 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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 %	M ppm	Au* ppb
90L-1-A01	1	14	12	49	.1	12	13	501	3.84	7	10	ND	18	33	.4	5	2	84	.51	.079	21	20	.99	159	.05	2	1.18	.02	.04	2	8
90L-1-A02	1	19	32	69	.1	8	13	817	4.05	4	9	ND	14	40	.7	2	2	89	.63	.075	22	17	1.11	254	.07	2	1.53	.03	.07	2	3
90L-1-A03	1	9	16	41	.1	7	9	368	3.97	2	5	ND	12	21	.2	2	2	99	.41	.066	24	16	.66	97	.04	3	.79	.02	.03	2	1
90L-1-A04	2	41	43	104	.4	26	16	1381	4.33	9	6	ND	11	110	.5	4	7	73	1.36	.198	36	44	1.15	336	.02	2	2.27	.02	.07	1	16
90L-2-R1	1	16	4	17	.1	5	7	185	3.12	2	5	ND	5	35	.6	2	4	86	.78	.069	12	12	.32	59	.05	2	.51	.03	.03	1	25
90L-8A-A01	1	38	47	178	.9	33	10	750	2.84	6	5	ND	3	52	2.8	3	2	50	3.32	.066	10	39	.51	177	.07	5	1.55	.01	.04	1	6
90L-8A-A02	1	25	19	107	.5	21	7	746	2.18	6	5	ND	1	75	2.1	2	2	36	9.84	.064	7	27	.43	182	.06	4	1.21	.01	.04	7	1
90L-8A-C51	4	72	14	192	.5	50	12	531	3.68	21	8	ND	1	28	.8	4	8	73	.82	.120	10	61	.98	115	.09	3	2.30	.02	.08	3	1
90L-8A-R1	4	61	2	160	.6	50	17	888	4.44	17	5	ND	2	44	.9	2	2	87	.81	.114	8	61	1.80	179	.10	2	2.34	.03	.18	2	4
90L-8A-R2	4	50	2	109	.1	27	16	707	4.16	12	5	ND	1	34	1.1	2	2	74	.72	.089	6	38	1.90	154	.13	2	2.46	.02	.23	1	1
90L-8A-R3	5	51	3	105	.3	31	18	894	4.44	16	5	ND	3	41	.5	4	2	91	.77	.098	9	46	1.71	183	.14	2	2.36	.02	.26	1	1
90L-10-K20	4	149	204	426	3.9	14	28	2427	5.86	105	5	ND	2	69	3.1	2	2	119	1.63	.286	11	15	1.28	241	.12	2	1.69	.02	.36	1	1
90L-15-J10	5	74	33	203	.8	54	16	1306	3.53	25	5	ND	3	67	2.2	2	2	44	3.07	.117	18	43	1.44	213	.07	4	1.43	.02	.11	1	3
90L-15-K10	15	186	53	292	.7	75	30	1239	5.51	67	5	ND	1	106	5.0	2	2	37	10.27	.115	11	40	1.07	183	.02	2	1.38	.01	.10	1	1
90L-15-K13	1	81	24	473	.4	20	5	330	1.12	21	8	ND	1	122	8.5	2	10	16	13.25	.085	9	22	1.00	107	.01	13	.60	.01	.05	2	4
90L-15-K14	4	28	7	95	.6	33	11	377	3.33	40	5	ND	3	253	1.0	4	2	29	8.19	.075	7	31	.97	47	.01	2	.89	.01	.04	2	3
90L-15-K15	4	37	11	198	.6	41	12	644	3.11	34	5	ND	1	76	1.2	2	5	29	1.66	.087	13	31	.44	66	.03	5	.88	.01	.02	1	1
90L-21-W1	1	61	5	72	.1	13	15	602	3.01	6	5	ND	4	76	.4	2	2	56	1.03	.177	9	20	1.03	135	.10	2	1.34	.01	.19	1	3
90L-23-C60	1	122	16	90	.2	11	26	1202	9.39	10	5	ND	3	388	1.1	2	2	254	1.86	.417	17	18	1.50	371	.16	2	1.61	.02	.66	1	1
90L-23-C61	1	136	23	100	.1	12	26	1342	6.79	8	5	ND	3	239	.9	2	2	239	1.90	.420	16	17	1.79	594	.16	2	1.87	.02	.63	1	1
90L-32-W1	2	99	4	141	.6	50	27	1042	5.44	185	5	ND	4	136	1.1	13	2	99	.97	.111	8	60	1.96	233	.15	2	3.41	.03	.45	1	53
90L-32-W2	2	70	3	105	.1	39	21	797	4.78	128	5	ND	2	75	.3	7	2	83	.85	.107	7	50	1.65	119	.14	2	2.58	.04	.19	2	1
90L-32-W3	2	62	2	153	.2	33	23	1441	4.23	36	5	ND	1	45	1.0	2	4	79	.94	.079	8	42	1.22	141	.14	4	3.25	.02	.18	1	1
90S-10-A01	5	15	15	27	1.8	9	5	97	2.74	2	5	ND	1	20	.2	2	5	78	.23	.052	6	25	.21	103	.16	2	.96	.01	.05	1	1
90S-10-A02	1	41	14	75	.1	19	14	634	3.10	5	5	ND	3	49	.2	2	2	64	1.16	.116	9	29	1.11	195	.13	2	1.74	.05	.29	2	3
90S-10-A03	3	11	9	20	.1	6	4	79	3.25	5	5	ND	1	11	.2	2	2	48	.13	.294	6	24	.11	65	.09	3	.70	.01	.04	1	1
90S-10-A04	1	16	10	25	1.0	8	3	93	2.23	2	5	ND	1	15	.2	2	2	59	.24	.040	6	36	.22	73	.08	3	1.21	.01	.03	1	1
90S-10-A05	1	29	7	59	.5	20	7	253	2.94	6	5	ND	1	21	.4	2	2	63	.24	.048	7	35	.70	167	.12	3	1.82	.02	.12	1	1
90S-10-A06	3	28	3	62	.4	32	8	227	4.83	5	5	ND	1	13	.3	2	13	102	.20	.060	7	46	.58	49	.07	2	1.73	.01	.05	2	1
90S-10-A07	1	34	5	52	.2	19	10	406	2.70	4	5	ND	4	46	.2	2	3	58	1.00	.125	13	23	.69	128	.11	2	1.29	.05	.15	1	2
90S-10-A08	1	24	9	77	.2	27	10	335	3.35	6	5	ND	1	20	.5	2	5	64	.38	.076	9	38	.81	82	.10	2	2.13	.02	.07	1	8
90S-10-A09	1	34	11	157	.2	26	10	517	2.44	16	5	ND	1	69	1.5	2	2	61	1.62	.080	9	45	.85	138	.08	4	1.31	.02	.07	1	1
90S-10-A10	1	17	6	99	.1	22	6	509	1.37	3	5	ND	1	60	.6	2	2	29	1.74	.079	3	42	.66	78	.02	4	.76	.02	.02	1	2
90S-10-A11	1	21	2	93	.2	78	24	706	4.06	9	5	ND	3	50	.7	2	2	115	1.70	.185	28	277	3.27	93	.16	2	3.33	.01	.10	1	1
90S-10-A12	1	73	6	127	.2	81	31	708	6.18	6	5	ND	1	55	1.1	2	2	131	.90	.061	4	69	2.32	94	.21	3	3.88	.04	.13	1	2
90S-10-A13	1	30	6	58	.2	13	9	396	2.94	3	5	ND	1	26	.2	2	10	72	.54	.111	8	23	.67	66	.08	2	1.18	.03	.12	1	1
STANDARD C/AU-S	20	63	36	132	7.2	73	32	1052	3.97	39	18	7	39	55	19.7	16	21	57	.52	.095	39	58	.90	182	.07	35	1.88	.06	.14	11	48

APPENDIX II

SAMPLE DESCRIPTIONS - ROCKS



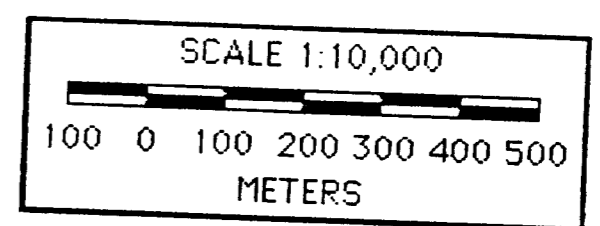
GEOCHEMISTRY

ROCK SAMPLES

Sample Number	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
90G-2-R157	16	9	32	0.4	2
90G-2-R158	46	11	126	0.9	2

SILT SAMPLES

Sample Number	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
90L-2-F01	32	2	80	0.3	7
90L-2-F02	47	8	110	0.3	3
90L-2-F03	53	13	114	0.5	3
90L-2-F05	102	37	77	0.3	4
90L-2-F06	38	57	84	0.4	1
90L-2-F07	15	29	56	0.1	36
90L-2-F08	14	4	49	0.1	6
90L-2-R01	16	17	17	0.1	25
90L-2-W01	16	2	15	0.1	3
90L-2-W02	18	3	19	0.1	8
90L-2-W03	24	18	57	0.2	5
90L-2-W04	14	3	34	0.1	2
90L-2-W05	16	19	50	0.1	1



LEGEND

■	ROCK GRAB SAMPLE	—	CLAIM BOUNDARY
●	ROCK FLOAT SAMPLE	— 3000 —	CONTOUR (FEET ABOVE SEA LEVEL)
▲	STREAM SEDIMENT SAMPLE	GLACIER
+	SOIL SAMPLE		

CASCADE INVESTMENTS J.V.

DOK PROPERTY

SAMPLE LOCATION AND GEOCHEMISTRY MAP

LIARD MINING DIVISION

COAST MOUNTAIN GEOLOGICAL LTD.

DRAWN BY: T.F.	NTS: 1046/5	DATE: MARCH, 1991	FIGURE: 4
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21,224

GEOLOGICAL BRANCH ASSESSMENT REPORT