830891

GEOLOGICAL AND GEOCHEMICAL REPORT

ON

SAMPLING OF DIAMOND DRILL CORES AND PERCUSSION HOLE CUTTINGS

GOLD DUST II MINERAL CLAIM

Babine Lake Area
Omineca Mining Division
British Columbia

NTS: 93L/16E
54°45.5' North 126°12' West

OWNER: N.C. CARTER

AUTHOR: N.C. CARTER, Ph.D. P.Eng.

DATE: January 8,1992

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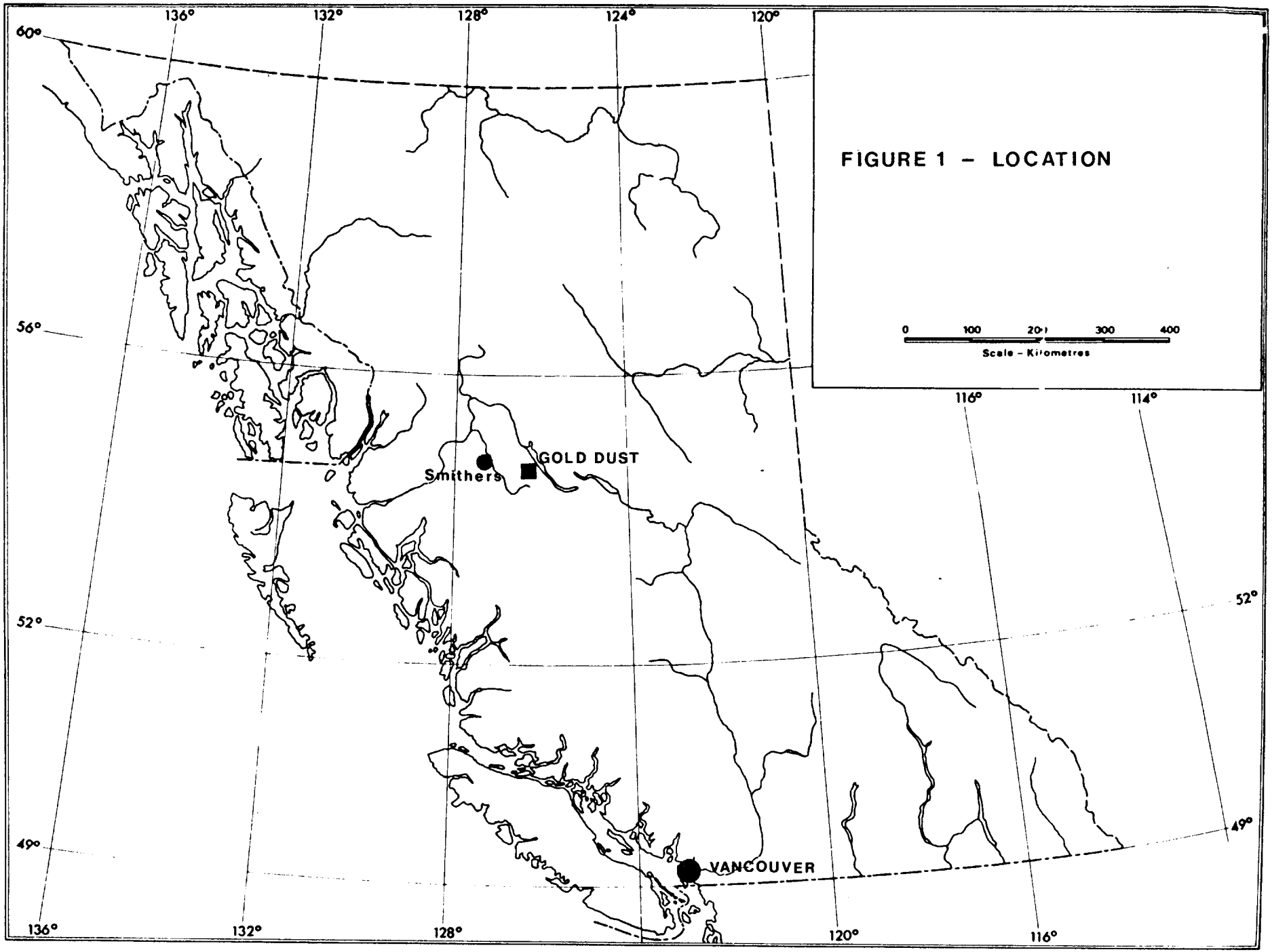

FIGURE 1 – LOCATION

INTRODUCTION

Location and Access

The Gold Dust II mineral claim, near Babine Lake, is situated 65 km east of Smithers in west-central British Columbia (Figure 1). The geographic centre of the property is at latitude 54°45.5' North and longitude 126°12' West in NTS map-area 93L/16E.

Excellent access is afforded by a paved highway which passes through the property and links Granisle and Topley Landing with highway 16 at Topley, 32 km to the south (Figure 2).

Mineral Property

The Gold Dust property consists of one Modified Grid mineral claim of 20 units as shown on Figure 3. Details of the mineral claim are as follows:

Claim Name	Units	Record Number	Date of Record
Gold Dust II	20	8027	October 14,1986

History

Copper and molybdenum mineralization was discovered by local prospectors in Tachek Creek in the central part of the present claim in the late 1960's.

Noranda Exploration Company, Limited held an option on 170 2-post claims in 1968 and 1969 and work included geological mapping, geochemical and geophysical surveys, road building, 1,725

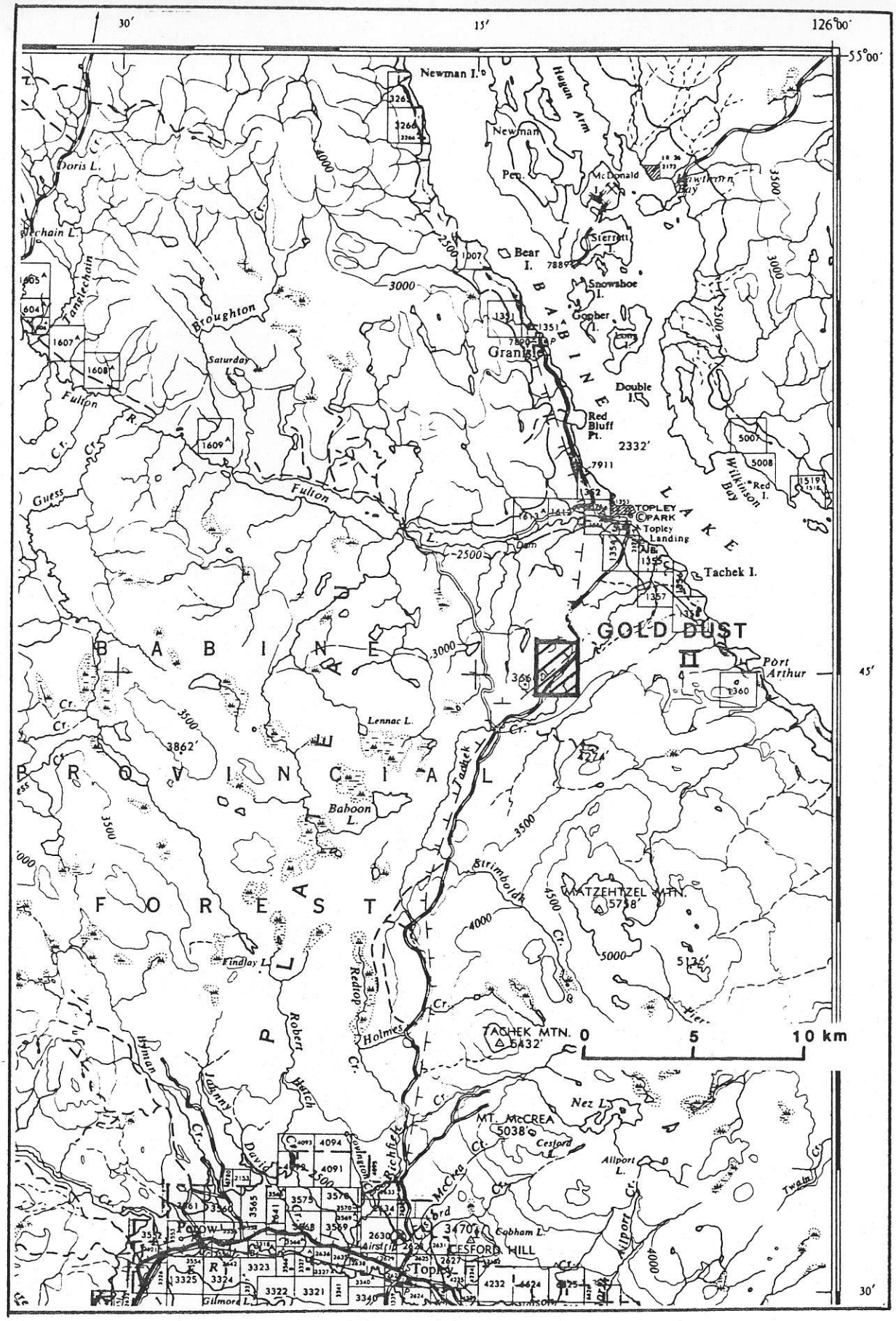

FIGURE 2 – LOCATION – GOLD DUST II CLAIM

metres of percussion drilling and 1,015 metres of diamond drilling.

Taseko Mines Limited completed 3 diamond drill holes totalling 320 metres in 1970 and Perry, Knox, Kaufman Inc. carried out 11 km of IP survey and drilled 3 holes totalling 300 metres in 1973.

Amoco Canada Petroleum Company Limited held claims immediately north of the present property in 1973 and carried out geochemistry, geophysics and 500 metres of diamond drilling in 3 holes.

Limited prospecting and geological mapping was conducted on claims in the general area of the present property in 1977 and in 1982 Dancer Energy and Resources Ltd. completed a soil geochemical survey over the northern part of the present claim.

Present Status

The Gold Dust II mineral claim was located by the late Gerard Auger September 25,1986.

A field program in 1987 included prospecting, geological mapping and the collection of rock samples for geochemical analysis (Carter,1988). More detailed rock sampling and geological mapping was undertaken in September of 1989 as was an analysis of previous percussion and diamond drilling carried out by Noranda Exploration Company, Limited (Carter,1990).

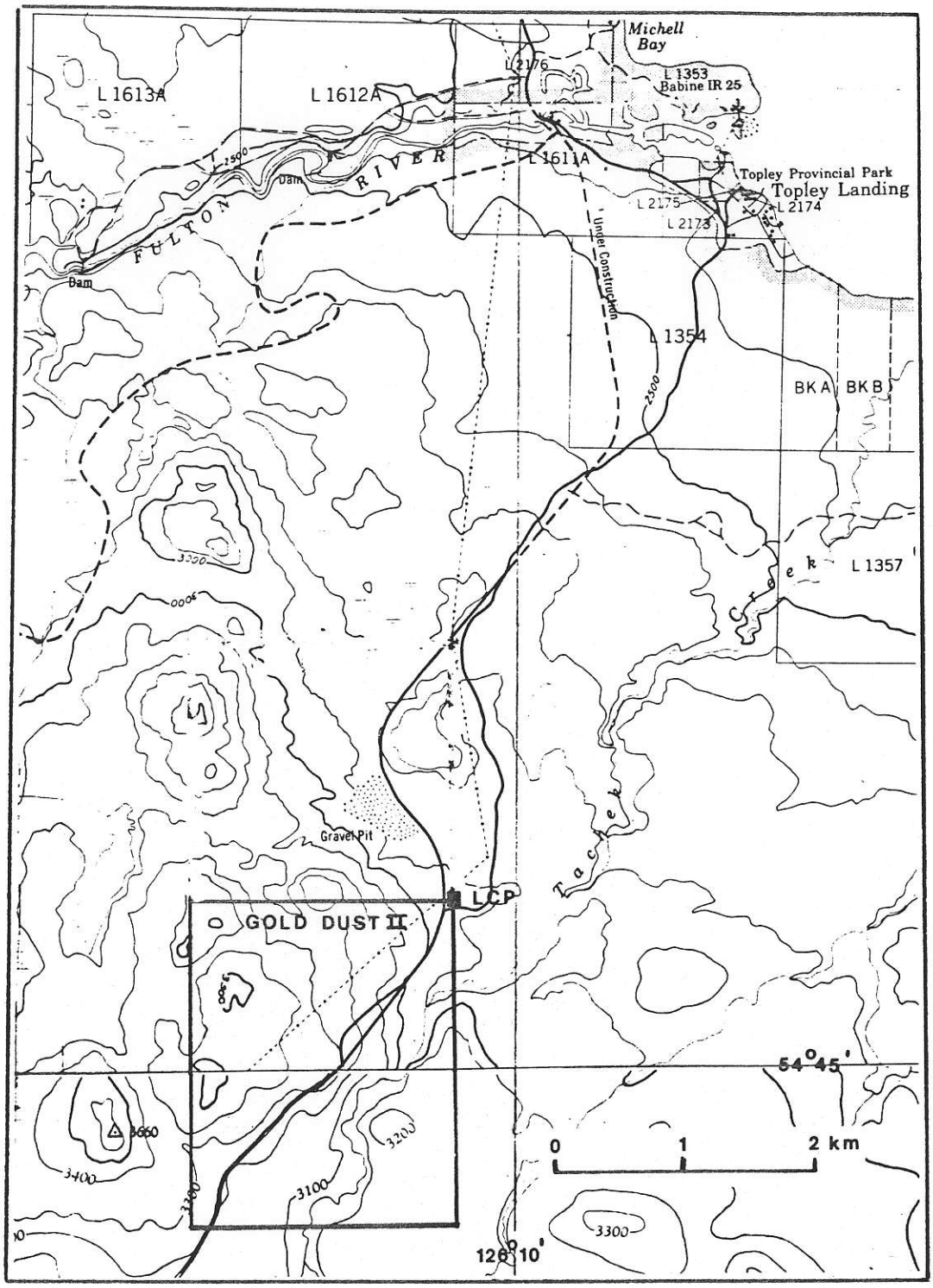

FIGURE 3 - GOLD DUST II CLAIM

A VLF-EM survey was completed over the southeast portion of the claim in September of 1990 (Carter,1991).

This report contains analytical results of 68 drill core and percussion hole cuttings samples collected by the writer June 29, 30, July 1 and September 22,1991. These samples are from holes drilled within and immediately adjacent to the boundaries of the present Gold Dust II mineral claim by Noranda in 1968 and 1969 (4 diamond drill holes; 12 percussion holes) and by Taseko Mines Limited in 1970 (3 diamond drill holes).

The writer previously examined and reported on data pertaining to Noranda drilling in the late 1960's (Carter,1990). Results of 1973 Perry, Knox, Kaufman Inc. drilling were incorporated into the 1990 report but no information regarding the Taseko Mines drilling was unavailable at that time.

Copies of various documents and maps pertaining to previous exploration programs within and adjacent to the present property were provided to the writer in mid-1991. Permission was also obtained to access old drill cores and bagged percussion hole cuttings from the three previous exploration campaigns which have been stored on a vacant lot on the outskirts of Telkwa, B.C. for a number of years. About 50% of the drill core is in useable condition while many of the sample bags containing the percussion hole cuttings are either broken and/or markings indicating hole numbers and sample intervals are illegible.

GEOLOGY AND MINERALIZATION

Physical Setting

The northern Babine Lake area is within the Nechako Plateau, a physiographic subdivision of the Interior Plateau.

The Gold Dust property is just north of the height of land between Babine Lake and highway 16. Elevations range from 850 metres along Tachek Creek to more than 1050 metres along the western claim boundary (Figure 3).

The property area features relatively gentle topography with the exception of some local, steep-walled, 35 metre high canyons along Tachek Creek.

Bedrock is reasonably well exposed along sections of Tachek Creek and on ridges in the western half of the claim area (Figure 4). The eastern part of the claim features extensive overburden cover of gravel, sand and clay.

Regional Geological Setting

The Babine Lake area is within the Intermontane tectonic belt which is underlain principally by Mesozoic and older layered rocks, the most widespread in this area being volcanic and sedimentary rocks of the Jurassic Hazelton Group. These are intruded by plutonic rocks of various ages including lower Jurassic Topley intrusions, Omineca intrusions of early Cretaceous

age, late Cretaceous rhyolite and granodiorite porphyries and Babine intrusions of early Tertiary age.

The best known style of mineralization in the Babine Lake area is porphyry copper mineralization associated with small stocks and dyke swarms of biotite-feldspar-porphyry of the Babine intrusions. More than a dozen of this type of deposit have been drilled over the past 25 years of which two (Bell, Granisle) have been developed as producing mines and one (Morrison) has drill-indicated reserves.

The Bell copper mine is also a significant producer of gold with past production and anticipated reserves totalling 68 million tonnes with a recovered and contained 17755 kg (570,819 oz.) of gold (Schroeter et al,1989). Bell Copper produced 21349 tonnes of copper and 29,000 ounces gold in 1990.

Copper-molybdenum mineralization is also known to occur in late phases of the Topley intrusions, as is evident on the Gold Dust II claim, and in late Cretaceous granodiorite porphyries. Other deposit types in the area include narrow veins with base and precious metals values, which commonly occur marginal to known porphyry deposits, and disseminated copper mineralization in Hazelton Group volcanic rocks.

Deposits with volcanogenic massive sulfide affinities and containing precious metals values include Topley Richfield 10 km north of Topley, the RED prospect 5 km northeast of the dormant

Granisle copper mine and the Fireweed silver-lead-zinc prospect 12 km west of the Bell Copper mine.

Property Geology and Mineralization

The Gold Dust II mineral claim covers a north to northeast trending contact between early Jurassic Topley granitic rocks on the east and late Triassic volcanic and lesser sedimentary rocks on the west (Carter,1988,1990).

Principal lithologies within the claim area include variably deformed chlorite and sericite schists and massive andesite units which are exposed north of the highway in the northern part of the claim. Part of this principally volcanic sequence are argillaceous siltstones which underlie the drift covered area between exposures of Topley granitic rocks in Tachek Creek and the highway - power line in the central part of the claim. The siltstones are not exposed but were intersected in three holes drilled in 1973 (Carter,1990).

Topley granitic rocks are exposed in two principal areas along Tachek Creek in the southeast claim area. In the northernmost area, light grey to pink granodiorites and quartz monzonites are cut by 2 - 10 metres wide quartz-hornblende-biotite-feldspar porphyry dykes and by narrow, post-mineral basic dykes. The southern exposure area in Tachek Creek features variably weathered granodiorite.

As noted, the contact between the granitic rocks and the volcanic-sedimentary sequence is not exposed but has been inferred on the basis of a few previous diamond drill holes. The 1990 VLF-EM survey outlined an arcuate conductive zone west of Tachek Creek which may be reflecting this contact (Carter,1991).

Chlorite and sericite schists in the northern part of the claim contain numerous quartz veins ranging in width from several cm to 0.5 metre. These veins contain some K-feldspar but no sulphide minerals were noted. Samples collected from both veins and schistose country rocks contained no significant values (Carter,1990).

Samples collected from the northern exposure area of Topley granitic rocks in Tachek Creek included one which contained 1675 molybdenum and 1270 ppb gold (Carter,1988 - sample site GD-2, Figure 4). Additional sampling of iron-stained granodiorite with magnetite stringers and disseminated pyrite, chalcopyrite and molybdenite at this locality in 1989 (sample GD89-7) yielded values of 196 ppm copper, 994 ppm molybdenum and 4900 ppb gold. Subsequent fire assaying indicated a gold value of 6.84 grams/tonne (Carter,1990). Limited sampling of the southern Topley granite exposures indicated slightly higher overall molybdenum values in addition to copper values of up to 3543 ppm and gold values up to 117 ppb.

SAMPLING OF DIAMOND DRILL CORES AND PERCUSSION HOLE CUTTINGS

Previous Diamond and Percussion Drilling

Copies of records pertaining to all previous diamond and percussion drilling within and adjacent to the present Gold Dust II mineral claim are now in the possession of the writer. These records include results of percussion and diamond drilling carried out by Noranda Exploration Company, Limited in 1968-69, partial results of three diamond drill holes completed by Taseko Mines Limited in 1970 and complete results of diamond drilling (three holes) carried out by Perry, Knox, Kaufman, Inc. in 1973. Drill hole locations are shown on Figure 4 - Noranda diamond and percussion holes are listed numerically while 1970 Taseko diamond drill holes are shown as TK-1,-2 and -3 and 1973 diamond drill holes as T-1 and T-2. Useful information provided by these records includes depths of overburden which is 40 metres thick throughout much of the area drilled. Most holes drilled were vertical with the exception of the initial 6 Noranda diamond drill holes. Hole orientations, depths of overburden and hole lengths are as follows:

Table 1 - Diamond and Percussion Drill Holes

Drill Hole	Azimuth	Dip	Overburden(m)	Total Depth(m)
(Noranda)				
DDH 1	270	-50	112.5	abandoned
DDH 2	090	-50	53.9	198.4
DDH 3	090	-50	30.5	183.5
DDH 4	090	-50	34.1	153.9
DDH 5	270	-50	32.9	152.7
DDH 6	090	-50	15.2	185.3
PDH 7	-	-90	21.3	76.2
PDH 8	-	-90	36.6	abandoned
PDH 9	-	-90	3.0	45.7
PDH 10	-	-90	30.5	76.2
PDH 11	-	-90	36.6	76.2
PDH 12	-	-90	39.6	76.2
PDH 13	-	-90	41.1	abandoned
PDH 14	-	-90	21.3	76.2
PDH 15	-	-90	39.6	abandoned
PDH 16	-	-90	6.1	76.2
PDH 17	-	-90	6.1	67.1
PDH 18	-	-90	39.6	abandoned
PDH 19	-	-90	39.6	76.2
PDH 20	-	-90	39.6	abandoned
PDH 27	-	-90	29.0	76.2
PDH 28	-	-90	33.5	57.9
PDH 29	-	-90	30.5	76.2
PDH 30	-	-90	19.6	76.2
PDH 31	-	-90	21.3	76.2
PDH 32	-	-90	21.3	61.0
(Taseko Mines)				
DDH TK-1	-	-90	22.9	106.6
DDH TK-2	-	-90	45.9	126.8
DDH TK-3	-	-90	56.4	86.9
(Perry,Knox,Kaufman)				
DDH T-1	-	-90	18.3	61.0
DDH T-2	-	-90	45.1	121.9

As indicated on Figure 4, the 6 Noranda diamond drill holes were drilled near the two areas of exposure of Topley granitic rocks in Tachek Creek. With the exception of the first hole,which was abandoned in overburden, the remaining holes intersected +0.10% copper over hole lengths exceeding 30 metres and included sections ranging up to 0.40% copper and 0.10% molybdenite.

Of the 32 percussion holes, only 26 are included in this compilation - holes 21-26, which intersected only low copper values, were drilled several hundred metres east of the present claim boundary. Grades encountered in the remaining percussion holes were variable with consistently better values in holes 14,31 and 32 in the southeast claim area. Values in these holes were in the order of 0.20% copper and 0.06% molybdenite over much of the hole lengths - some samples yielded up to 0.62% copper and 0.11% molybdenite. To the writer's knowledge, little or no work was done to determine precious metal values.

The three vertical diamond drill holes completed by Taseko Mines in 1970 were drilled near or adjacent to Noranda percussion holes in the southeast claim area (Figure 4). Much of hole TK-1 to 76 metres is in hornblende-biotite-feldspar porphyry, a later phase of the Topley intrusions which cuts typical grey granodiorite. One 2 metre wide, post-mineral basic dyke was noted. Disseminations and stringers of magnetite are widespread and sulphide minerals (principally pyrite) coat fracture surfaces.

Hole TK-2 intersected grey to pink, medium grained granodiorite containing numerous magnetite-epidote stringers. Some aplitic phases were noted as was one basic dyke. Hole TK-3 was similar to TK-2.

Three vertical diamond drill holes completed by Perry, Knox, Kaufman Inc. in 1973 were drilled to test IP anomalies between the granite exposures in Tachek Creek and the highway. One of the holes was drilled south of the present claim while the other two (T-1, T-2 - Figure 4) intersected argillaceous siltstones containing up to 10% pyrite plus minor pyrrhotite and chalcopyrite.

1991 Sampling Program

Forty core samples were collected from four Noranda and three Taseko Mines diamond drill holes. This sampling involved selecting approximately one-half of the previously split core over sample intervals of up to 6 metres (20 feet) where possible. These core samples were analyzed at the Equity Silver minesite laboratory for copper, molybdenum, silver, gold, arsenic, antimony, lead and zinc. Sample pulps were further analyzed at Min-En Laboratories in North Vancouver for 31 major and trace elements by inductively coupled argon plasma (ICP) techniques.

Four samples were collected from reject sample bags for sample intervals of Noranda diamond drill holes for which core

samples were unavailable. Twenty-four samples were also collected from various sample intervals from 12 Noranda percussion holes. These twenty-eight samples were analyzed by Min-En Laboratories for 31 elements by ICP methods and gold values were determined by atomic absorption methods.

Complete analytical results are contained in Appendix I and are summarized in Table 2 as follows:

Table 2 - Sample Results

Taseko 1970 Diamond Drill Holes

Hole No.	Sample No.	Interval(m)	Cu(%)	Mo(%)	Ag(g/t)	Au(g/t)
TK-1	60401	22.9-24.4	0.07	0.01	5	0.05
	60402	24.4-30.5	0.10	0.02	tr	0.14
	60403	30.5-36.6	0.08	0.02	tr	0.08
	60404	36.6-42.7	0.05	0.02	tr	0.05
	60405	42.7-48.8	0.08	0.02	tr	0.07
	60406	48.8-54.9	0.05	0.02	tr	0.05
	60407	54.9-61.0	0.11	0.02	tr	0.10
	60408	61.0-67.1	0.10	0.01	tr	0.13
	60409	67.1-73.2	0.04	0.01	tr	0.05
	60410	73.2-79.3	0.01	0.02	tr	0.05
TK-2	60411	45.7-54.9	0.23	tr	tr	0.05
	60412	54.9-61.0	0.04	0.01	tr	0.04
	60413	61.0-66.1	0.05	0.01	tr	0.03
	60414	72.2-77.4	0.09	0.01	tr	0.05
	60415	77.4-82.3	0.01	0.01	tr	0.17
	60416	82.3-87.8	0.01	0.01	tr	0.07
	60417	87.8-91.4	0.08	0.01	tr	0.08
	60418	91.4-95.7	0.17	0.01	tr	0.03
	60419	95.7-101.5	0.16	0.01	tr	0.08
TK-3	60420	56.4-62.5	0.02	tr	tr	0.06
	60421	62.5-67.1	0.03	0.01	tr	0.07
	60422	82.9-86.9	0.02	ND	tr	0.07

Noranda 1968 Diamond Drill Holes (Table 2 Cont'd)

Hole No.	Sample No.	Interval(m)	Cu(%)	Mo(%)	Ag(g/t)	Au(g/t)
2	60423	91.4-97.5	0.06	0.01	tr	0.08
	60424	97.5-103.6	0.09	0.01	tr	0.09
	60425	103.6-109.7	0.063	0.02	2	0.06
	60426	146.3-152.4	0.166	0.01	2	0.06
	60427	152.4-158.5	0.146	0.01	3	0.05
	60428	158.5-164.6	0.235	0.01	3	0.04
	60429	164.6-170.7	0.123	0.02	2	0.03
	60430	170.7-176.8	0.132	0.03	2	0.05
			(ppm)	(ppm)	(ppm)	(ppb)
	60451 (reject)	79.2-82.3	278	21	0.9	2
	60452 (reject)	134.1-137.2	170	159	0.4	5
3	60431	94.5-100.6	0.076	0.01	2	0.02
	60432	100.6-106.7	0.109	0.01	2	0.02
	60433	106.7-112.8	0.087	tr	3	0.02
	60434	112.8-118.9	0.110	0.01	4	0.02
	60435	118.9-128.0	0.169	0.01	4	0.02
			(ppm)	(ppm)	(ppm)	(ppb)
	60453 (reject)	164.6-167.6	149	50	0.9	1
4	60436	134.1-140.2	0.143	0.01	5	0.11
	60437	140.2-146.3	0.195	0.02	4	0.16
6	60438	125.0-131.1	0.007	ND	3	0.02
	60439	131.1-137.2	tr	ND	3	0.03
	60440	137.2-143.3	0.018	ND	3	0.02
			(ppm)	(ppm)	(ppm)	(ppb)
	60454 (reject)	167.6-170.7	209	3	0.7	2

Noranda 1969 Percussion Drill Holes (Table 2 Cont'd)

Hole No.	Sample No.	Interval(m)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Au(ppb)
9	60455	6.1-9.1	48	1	1.8	6
	60456	9.1-12.2	1124	57	1.4	2
	60457	21.3-24.4	1157	179	1.5	2
10	60458	36.6-39.6	2581	51	1.9	5
12	60459	42.7-45.7	263	36	1.0	1
16	60460	30.5-33.5	31	1	0.8	1
19	60461	61.0-64.0	303	73	1.4	2
20	60462	42.7-45.7	72	7	1.2	2
	60463	54.9-57.9	71	14	0.9	1
27	60464	30.5-33.5	512	9	0.6	3
28	60465	36.6-39.6	67	2	0.8	2
	60466	48.8-51.8	88	6	1.2	2
	60467	54.9-57.9	67	45	0.4	1
29	60468	36.6-39.6	93	7	1.1	2
	60469	73.2-76.2	1679	127	2.9	99
30	60470	24.4-27.4	375	13	1.3	20
	60471	39.6-42.7	23	2	1.2	2
31	60472	21.3-24.4	21	2	1.3	1
	60473	51.8-54.9	966	11	1.6	4
32	60474	27.4-30.5	2016	415	2.7	46
	60475	45.7-48.8	2497	95	2.9	15
	60476	48.8-51.8	1083	190	3.3	4
	60477	54.9-57.9	475	33	1.6	2
	60478	57.9-61.0	459	44	1.4	3

Discussion of Results

Limited sampling of diamond drill cores shows better copper values in the Noranda inclined holes drilled in the area of the northern bedrock exposure in Tachek Creek (Figure 4). Hole 2, drilled on an east azimuth, intersected a 30.5 metres section grading 0.16% copper below better grade surface samples GD-2 and GD89-7. Gold values in this section were low, averaging 0.05 g/t or 50 ppb. ICP analyses indicate slightly enhanced K, Fe, Mg, Pb, Ba, As and Mo values for this section.

Values of 0.143% and 0.195% copper were obtained from two core samples from hole 4. Gold values of 0.11 and 0.16 g/t (110 and 160 ppb) may be considered weakly anomalous. ICP analyses show elevated K, Mg, Mo and As values.

Results obtained from Taseko diamond drill holes were generally low. A few anomalous gold values were indicated with the best range of values contained in hole TK-1 (0.05 - 0.14 g/t or 50 - 140 ppb). Copper values were less than 0.10% but these samples contain elevated K, Mo, Fe and Zn values.

Better copper and molybdenum values in percussion holes were obtained from Noranda hole 32, confirming earlier results. Weakly anomalous gold values were also indicated, accompanied by slightly enhanced As and Ag values.

CONCLUSIONS AND RECOMMENDATIONS

Sampling of diamond drill core and percussion hole cuttings recovered a number of years ago from the area of the present Gold Dust II mineral claim indicates low grade, but apparently widespread, copper values. These are accompanied by anomalous gold values in two areas of the property.

The sampling carried out to date may be considered preliminary. More detailed sampling could be undertaken on other available drill core including the three holes drilled by Perry, Knox, Kaufman Inc. in 1973. It is doubtful that additional samples could be recovered from percussion hole cuttings.

COST STATEMENT

Wages	
N.C. Carter - June 29,30, July 1, September 22,1991-	
- 3 days @ $450/ day	$1,350.00
Transportation	
Victoria - Smithers (return) -	
- vehicle - 2354 km @ $0.25/km	$588.50
Accomodation, Meals	
June 28 - 30, September 21,22,1991 - 5 days	$373.31
Analytical Costs	
40 samples @ $25/sample (Equity Silver laboratory)	$1,000.00
40 pulp samples @ $6/ sample (ICP - Min-En)	$240.00
28 samples @ $17/sample (ICP + Au geochem - Min-En)	$476.00
	$1,716.00
Report Preparation	
N.C. Carter - 1.5 days @ $450/day	$675.00
Word processing, duplicating	$50.00
	$725.00
TOTAL EXPENDITURE	$4,752.81

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AUTHOR'S QUALIFICATIONS

I, NICHOLAS C. CARTER, of 1410 Wende Road, Victoria, British Columbia, do hereby certify that:

1. I am a Consulting Geologist, registered with the Association of Professional Engineers of British Columbia since 1966.

2. I am a graduate of the University of New Brunswick with B.Sc.(1960), Michigan Technological University with M.S.(1962) and the University of British Columbia with Ph.D.(1974).

3. I have practised my profession in eastern and western Canada and in parts of the United States for more than 25 years.

4. Sampling of diamond drill cores and percussion drill hole cuttings as described in the foregoing report was carried out by the undersigned in between June 28 and September 22, 1991.

N.C. Carter, Ph.D. P.Eng.

Victoria, B.C.
January 8,1992

APPENDIX I

Sample Analyses

DIST A/C _____
DEPT _____

EQUITY SILVER MINES LIMITED

ASSAY CERTIFICATE

Attention:
Mine Manager _____ Engineering ✓
Mill Supt. _____ Geology _____
Pit Supt. _____ Mill _____
Plant Supt. _____ Gold Plant _____
Adm. Supt. _____ Metallurgy _____

Tacheck CV

DRILL CORE

DATE July 10 /91

	SAMPLE	Cu	Ag	Au	Sb	As	Fe	Pb	Zn	Mo
		%	g/t	g/t	%	%	%	%	%	%
1	60401	.07	5	.05	.01	ND	2.1	TR	.01	.01
2	60402	.10	TR	.14	.01	TR	1.8		.01	.02
3	03	.08		.08		ND	1.7		.01	.02
4	04	.05		.05		ND	1.9		.01	.02
5	05	.08		.07		ND	1.8		.01	.02
6	06	.05		.05		ND	1.7		.01	.02
7	07	.11		.10		TR	2.3		.04	.02
8	08	.10		.13		ND	1.9		.02	.01
9	09	.04		.05			1.6		.03	.01
10	10	.01		.05			1.5		.01	.02
11	11	.23		.05			1.5		TR	TR
12	12	.04		.04			1.5		TR	.01
13	13	.05		.03			1.8		.01	.01
14	14	.09		.05			2.0		TR	.01
15	15	.01		.17			1.1		.01	.01
16	16	.01		.07			.6		TR	.01
17	17	.08		.08			.6		TR	.01
18	18	.17		.03			1.0		TR	.01
19	19	.16		.08			1.0		TR	.01
20	20	.02		.06			1.3		.01	TR
21	21	.03		.07			1.1		TR	.01
22	22	.02		.07			1.0		.01	ND
23	23	.06		.08			1.9		TR	.01
24	24	.09	—	.09	—	—	1.4	.01	TR	.01

ND - Not Detected
Tr - < .01 %
Ag Tr - < 1.0 gm/TONNE

DIST A/C
DEPT Geology

EQUITY SILVER MINES LIMITED

ASSAY CERTIFICATE

Tacketl Cr.

Attention:

Mine Manager		Engineering	
Mill Supt.		Geology	✓
Pit Supt.		Mill	
Plant Supt.		Gold Plant	
Adm. Supt.		Metallurgy	

DATE July 10 '91

	SAMPLE	Cu	Ag	Au	Sb	As	Fe	Pb	Zn	MO
	DRILL CORE	%	g/t	g/t	%	%	%	%	%	%
1	60425	.063	2	.06	.01	.02	.86	Tr	Tr	.02
2	26	.166	2	.06	.01	.03	1.74	Tr	Tr	.01
3	27	.146	3	.05	Tr	.02	1.24	ND	Tr	.01
4	28	.235	3	.04	Tr	.02	1.13	ND	Tr	.01
5	29	.123	2	.03	.01	.03	.89	ND	Tr	.02
6	30	.132	2	.05	Tr	.02	.96	ND	Tr	.03
7	31	.076	2	.02	.01	.03	1.17	ND	Tr	.01
8	32	.109	2	.02	.01	.03	1.29	ND	Tr	.01
9	33	.087	3	.02	Tr	.03	1.42	ND	Tr	Tr
10	34	.110	4	.02	Tr	.03	1.98	ND	Tr	.01
11	35	.169	4	.02	Tr	.03	1.82	ND	Tr	.01
12	36	.143	5	.11	.01	.03	.99	ND	Tr	.01
13	37	.195	4	.16	Tr	.02	1.88	ND	Tr	.02
14	38	.007	3	.02	.01	.03	.63	ND	Tr	ND
15	39	Tr	3	.03	.01	.03	.68	ND	Tr	ND
16	40	.018	3	.02	.01	.03	.65	ND	ND	ND
17										
18										
19										
20										
21										
22										
23										
24										

ND - Not Detected
Tr - < .01 %
Ag Tr < 1.0 gm/TONNE

Signed

Form No. C - 200/90 - Revised - 8

COMP: N.C.CARTER CONSULTING
PROJ:
ATTN: N.C.CARTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0835-RJ1+2
DATE: 91/09/27
* PULPS * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
60401	2.1	18530	21	15	150	.1	14	9930	.1	15	681	34430	1310	10	13080	1010	49	510	1	750	21	1	117	1	1686	68.0	108	3	2	4	44
60402	1.5	14400	1	10	151	.1	9	9460	.1	12	948	26180	2100	9	10880	289	111	420	1	760	15	1	184	1	1438	63.8	47	5	1	4	37
60403	1.7	15820	2	8	85	.1	13	11590	.1	12	758	29880	3670	9	14280	320	164	530	1	850	14	1	247	1	2076	83.9	52	5	2	4	53
60404	1.5	17690	1	7	93	.1	13	12370	.1	15	475	37440	2520	9	14960	531	126	670	1	860	12	1	349	1	2233	95.5	54	4	2	5	68
60405	1.9	18150	2	6	74	.1	15	13780	.1	15	737	34990	1690	7	15700	557	96	610	1	870	15	1	284	1	2260	89.3	59	5	2	5	58
60406	1.4	14090	5	5	45	.1	13	11100	.1	12	399	29530	870	6	12660	479	92	400	1	710	13	1	119	1	1868	73.2	47	6	2	5	54
60407	2.0	14060	1	5	77	.1	16	14840	.1	18	1145	42840	2000	7	12220	470	119	530	1	690	21	1	174	1	1884	75.9	330	4	1	4	60
60408	2.1	16620	5	4	89	.1	13	10660	.1	13	1015	34610	3800	9	15530	537	90	650	1	800	14	1	125	1	2326	98.1	165	5	2	5	70
60409	1.5	17190	1	4	88	.1	13	12260	.1	13	420	32160	2460	10	15610	550	50	700	1	840	14	1	168	1	2383	97.9	264	5	2	5	77
60410	1.1	13740	1	4	65	.1	11	11480	.1	10	166	26410	1460	7	11480	382	90	530	1	670	11	1	109	1	1862	72.8	45	5	2	5	71
60411	2.0	10310	1	2	35	.1	16	12150	.1	34	2426	30480	1010	3	8260	392	25	500	1	1070	18	1	49	1	671	37.0	50	4	1	4	52
60412	.5	11660	2	3	30	.1	5	13910	.1	22	445	24070	900	4	8140	420	59	610	2	1180	11	1	79	1	498	32.2	47	5	1	4	54
60413	.6	11230	1	7	28	.1	9	13600	.1	33	565	40200	700	4	8600	465	20	580	1	970	15	1	58	1	631	40.4	54	4	1	4	50
60414	.8	9140	3	4	43	.1	6	10960	.1	21	908	29130	1050	4	7570	227	160	480	6	830	17	1	63	1	561	32.7	41	4	1	4	62
60415	.9	10350	1	2	63	.1	8	10950	.1	9	150	21890	750	3	8200	499	29	540	1	1040	15	1	92	1	1366	45.6	49	5	2	4	51
60416	.6	6560	5	1	52	.2	4	8790	.1	8	164	10520	1360	2	4360	184	56	560	3	1030	10	1	35	1	416	22.7	25	4	1	4	59
60417	1.3	10550	6	1	50	.2	11	12020	.1	9	903	13880	1160	4	8200	325	42	640	4	860	13	1	56	1	578	36.4	49	6	1	4	62
60418	3.1	11830	7	2	27	.2	15	12210	.1	11	1762	19560	790	6	9520	310	77	490	7	790	22	2	74	1	971	49.4	45	7	2	6	91
60419	2.4	9460	2	1	39	.2	11	10530	.1	7	1463	16070	850	2	6920	212	60	490	5	780	12	1	51	1	728	47.8	29	4	1	4	54
60420	.7	10000	5	1	64	.1	6	11320	.1	9	119	20070	800	4	7800	482	22	340	2	780	11	1	44	1	773	32.5	41	6	1	3	50
60421	.9	8330	1	1	61	.1	7	9330	.1	8	270	18930	780	3	6850	382	41	420	2	940	9	1	52	1	1200	37.6	37	5	1	3	52
60422	1.1	9040	5	1	46	.1	8	9100	.1	11	183	20310	700	4	8130	449	10	490	1	950	16	1	64	1	1280	41.3	52	5	1	4	54
60423	.7	12490	1	5	104	.1	13	10720	.1	18	715	49770	2700	7	13140	285	67	480	1	800	13	1	70	1	1887	85.2	35	5	1	6	58
60424	1.2	9030	15	2	112	.1	10	9160	.1	11	885	27390	1860	8	8810	216	45	470	4	650	48	1	59	1	1656	57.0	45	5	8	5	74
60425	.9	7220	7	4	32	.1	6	9870	.1	7	698	17360	960	3	6280	152	220	580	3	620	10	1	30	1	846	36.3	20	6	1	4	71
60426	1.9	13520	4	2	121	.1	13	10860	.1	11	1642	28470	1840	8	12290	243	48	440	1	800	14	2	79	1	1820	71.8	24	6	2	5	66
60427	1.9	9910	7	2	70	.2	9	9190	.1	9	1463	18320	1430	6	9260	162	108	480	2	740	15	2	40	1	925	47.0	21	6	1	4	57
60428	2.0	7850	8	3	27	.1	8	8210	.1	8	2406	18910	800	4	6990	145	148	410	3	790	15	3	29	1	480	35.6	21	6	1	4	56
60429	.9	5590	4	2	23	.2	5	7850	.1	5	1013	11180	580	3	5110	121	176	390	3	640	9	1	29	1	391	24.8	14	5	1	3	50
60430	1.4	8210	9	5	33	.3	8	10700	.1	7	1257	16780	810	4	7680	163	321	420	4	780	14	2	57	1	618	37.5	17	7	1	4	58
60431	.4	7840	16	14	61	.2	6	8630	.1	8	780	23120	780	6	7650	118	90	890	2	770	14	1	21	1	467	45.9	17	5	1	5	72
60432	1.0	10660	19	10	31	.2	10	10380	.1	11	1145	27740	870	9	12060	218	73	960	2	840	16	1	32	1	1405	70.1	22	6	2	5	67
60433	.8	9800	13	7	31	.2	8	11400	.1	10	885	26060	900	8	9260	257	55	1030	4	790	17	1	31	1	928	52.9	26	5	2	4	56
60434	.7	10010	17	8	34	.2	7	10180	.1	19	1222	34050	1270	7	9880	431	84	670	7	870	18	1	24	1	565	47.4	34	5	1	4	63
60435	1.4	9260	13	7	38	.2	8	9780	.1	11	1660	26980	960	6	8380	183	106	850	2	810	15	1	42	1	745	45.1	19	5	1	4	67
60436	2.3	11480	16	5	48	.1	13	15660	.1	7	1413	17080	2670	8	10500	287	76	760	4	830	15	1	74	1	1100	61.8	33	6	2	12	68
60437	2.1	11280	18	7	70	.1	10	9950	.1	7	1829	18630	3770	8	11400	270	194	480	4	790	13	2	53	1	1009	69.0	35	7	2	6	61
60438	.9	11620	8	3	42	.3	7	12850	.1	5	51	16010	780	3	6500	162	7	770	3	900	14	1	55	1	1014	40.2	17	5	2	4	55
60439	.7	7580	8	3	37	.1	6	8610	.1	4	204	13190	850	3	5110	132	9	1180	5	660	10	1	24	1	870	31.0	17	3	2	3	52
60440	.6	8000	8	4	38	.1	7	13100	.1	5	53	18050	730	4	5800	182	21	1130	2	780	9	1	38	1	868	38.2	19	4	2	3	52

COMP: N.C.CARTER CONSULTING
PROJ:
ATTN: N.C.CARTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0835-RJ4
DATE: 91/09/27
* R C REJECTS * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
60455	1.8	30340	6	12	46	.1	18	26660	.1	24	48	54150	1630	17	23850	774	1	820	1	1280	25	1	214	1	3718	162.9	98	6	6	6	36	6
60456	1.4	16800	8	6	60	.1	11	15840	.1	14	1124	37260	1870	6	10070	303	57	1910	5	910	21	1	102	1	1704	68.1	72	6	2	7	86	2
60457	1.5	12470	8	6	61	.1	10	12270	.1	11	1157	28820	2030	6	8400	239	179	1710	7	1060	17	1	90	1	1410	61.1	50	7	3	6	76	2
60458	1.9	13040	8	5	77	.1	13	11170	.1	13	2581	38210	2210	6	9510	245	51	1510	10	910	12	1	60	1	1593	60.0	37	5	2	24	87	5
60459	1.0	17490	15	4	101	.1	9	16090	.1	13	263	29270	1960	8	9610	402	36	910	12	990	13	1	89	1	1561	65.0	34	6	2	6	82	1
60460	.8	9710	1	3	70	.1	11	10850	.1	8	31	24590	1020	4	6560	292	1	1120	3	860	18	1	149	1	2089	54.8	25	4	2	5	55	1
60461	1.4	20540	6	3	62	.1	12	19110	.1	13	303	27980	1630	7	12220	360	73	710	5	750	14	1	133	1	2130	74.6	23	7	3	5	62	2
60462	1.2	18790	6	5	131	.1	13	15740	.1	12	72	31600	4290	9	11890	544	7	1710	6	780	17	1	115	1	2249	78.4	38	6	2	8	103	2
60463	.9	17470	3	5	72	.1	15	14820	.1	11	71	28780	2600	9	10360	419	14	1490	10	790	13	1	111	1	2183	74.1	33	5	3	6	76	1
60464	.6	13820	6	4	77	.1	14	13500	.1	23	512	45340	1900	8	10590	428	9	560	3	860	15	1	58	1	1629	74.6	41	4	1	5	48	3
60465	.8	12330	17	2	81	.1	7	15300	.1	10	67	29530	1170	7	9410	455	2	520	9	820	13	1	58	1	971	56.7	117	6	1	4	33	2
60466	1.2	19440	6	2	81	.1	15	17530	.1	15	88	38220	2290	9	13510	528	6	740	2	800	16	1	116	1	2330	87.3	58	6	2	5	54	2
60467	.4	19340	1	3	71	.1	14	20160	.1	18	67	64530	1900	10	15060	581	45	640	1	740	18	1	113	1	1930	102.1	69	5	1	8	60	1
60468	1.1	9380	9	2	81	.5	11	15900	.1	9	93	25850	1500	3	5710	241	7	900	5	890	15	1	67	1	149	42.6	55	5	1	5	78	2
60469	2.9	22660	5	1	154	.1	18	15490	.1	16	1679	37830	1560	10	17140	486	127	790	1	870	18	2	305	1	2401	111.0	61	8	2	5	40	99
60470	1.3	15670	9	1	170	.1	12	11270	.1	14	375	34880	1370	8	12260	694	13	420	4	830	12	1	120	1	1692	80.0	59	7	1	6	73	20
60471	1.2	18940	9	1	93	.1	13	16090	.1	12	23	32650	1830	4	11180	577	2	1970	5	790	11	1	215	1	2235	89.2	43	7	1	5	66	2
60472	1.3	20970	6	1	79	.1	13	17860	.1	12	21	39390	2690	7	14280	473	2	1670	1	910	11	1	157	1	2339	102.7	74	7	1	6	68	1
60473	1.6	15680	11	2	78	.1	12	17270	.1	14	966	33460	3220	7	12390	320	11	1030	7	860	12	1	113	1	1468	86.2	47	7	1	5	70	4
60474	2.7	20970	21	4	77	.2	16	15870	.1	18	2016	34000	2630	8	13180	295	415	790	8	930	14	4	110	1	1771	74.9	43	10	1	6	87	46
60475	2.9	17120	12	1	95	.1	17	13250	.1	15	2497	38340	1700	5	9880	392	95	740	8	790	15	3	157	1	1593	70.7	44	7	1	6	79	15
60476	3.3	21380	14	3	60	.1	17	19170	.1	15	1083	37570	1430	4	10260	335	190	790	11	750	13	2	201	1	2004	79.4	35	8	1	6	75	4
60477	1.6	16210	13	1	83	.1	19	14970	.1	14	475	34820	1420	6	11750	338	33	620	1	700	10	1	151	1	2395	77.3	38	7	3	5	45	2
60478	1.4	18160	4	1	109	.1	16	15870	.1	13	459	34940	2030	6	11370	338	44	1010	1	700	10	1	158	1	2310	77.1	76	6	1	5	70	3

COMP: N.C.CARTER CONSULTING
PROJ:
ATTN: N.C.CARTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0835-RJ3
DATE: 91/09/27
* CORE REJECTS * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
60451	.9	8310	2	19	52	.1	14	11840	.1	8	278	23920	1500	5	7700	147	21	760	1	830	18	1	75	1	1850	57.4	22	3	4	5	59	2
60452	.4	10670	4	13	30	.4	4	13890	.1	6	170	15460	960	6	6540	154	159	590	1	850	9	1	41	1	214	42.0	14	6	2	3	46	5
60453	.9	13710	3	8	71	.1	10	13260	.1	12	149	31780	2200	8	9720	330	50	1730	1	840	11	1	64	1	2157	81.8	19	4	2	6	90	1
60454	.7	26640	4	5	195	.3	10	19450	.1	15	209	42310	2890	15	18820	583	3	720	1	1000	15	2	357	1	1764	111.0	68	6	1	4	35	2