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#### GEOLOGICAL AND GEOCHEMICAL REPORT

ON

# SAMPLING OF DIAMOND DRILL CORES AND PERCUSSION HOLE CUTTINGS GOLD DUST II MINERAL CLAIM

Babine Lake Aréa 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:

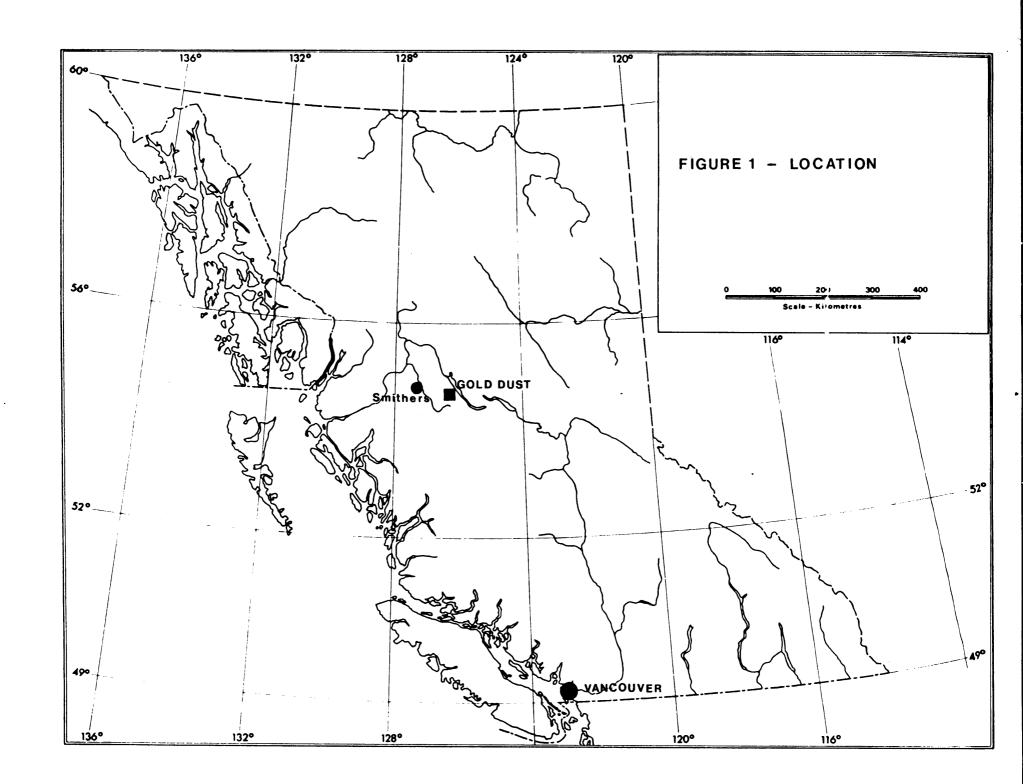
January 8,1992

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,025

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#### 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	<u>Units</u>	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

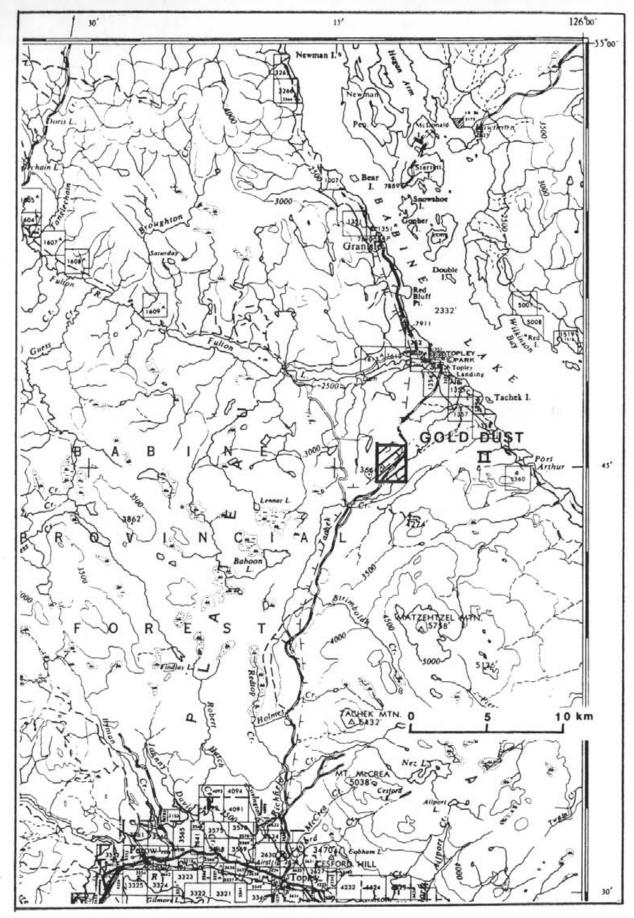


FIGURE 2 - LOCATION - GOLD DUST I CLAIM

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).

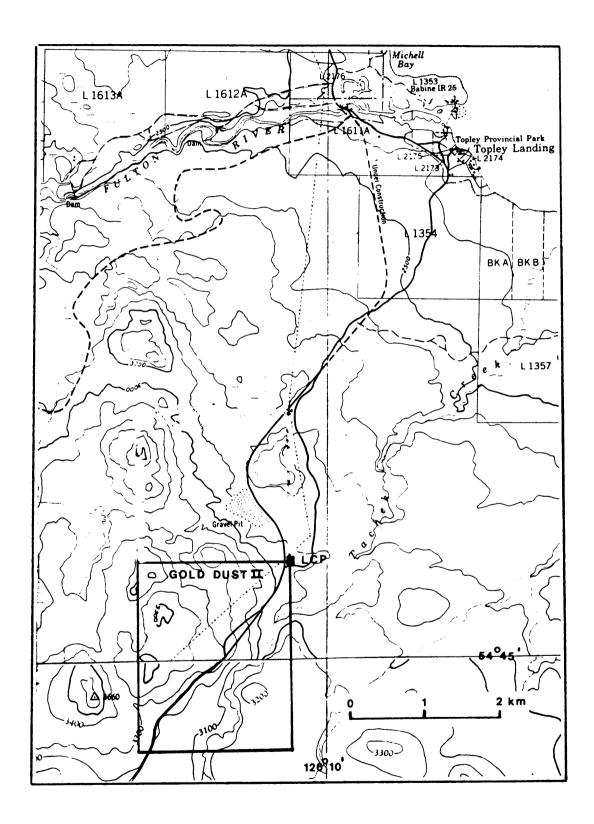


FIGURE 3 - GOLD DUST II CLAIM

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 gold value a Limited sampling of the southern grams/tonne (Carter, 1990). 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	19.8	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, Kau	fman)			
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.	<pre>Interval(m)</pre>	<u>Cu(%)</u>	Mo(%)	Ag(g/t)	Au(q/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.	<pre>Interval(m)</pre>	Cu(%)	<u>Mo(%)</u>	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	2 2 3 3 2	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	79.2-82.3	278	21	0.9	2
	(reject)					
	60452	134.1-137.2	170	159	0.4	5
	(reject)					
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	164.6-167.6	149	50	0.9	1
	(reject)					
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)	(dgg)
	60454	167.6-170.7	209	3	0.7	2
	(reject)					

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

Hole No.	Sample No.	<pre>Interval(m)</pre>	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

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) 40 pulp samples @ \$6/ sample (ICP - Min-En) 28 samples @ \$17/sample (ICP + Au geochem - Min-En)	\$1,000.00 \$240.00 \$476.00
	\$1,716.00
Report Preparation	
N.C. Carter - 1.5 days @ \$450/day Word processing, duplicating	\$675.00 <u>\$50.00</u>
	\$725.00

TOTAL EXPENDITURE

\$4,752.81

#### REFERENCES

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- Plicka, P. (1982): Prospecting Report on Dan No. 1 Claim, Omineca Mining Division, BCMEMPR Assessment Report 10862
- Schroeter, T.G., Lund, C. and Carter, G. (1989): Gold Production and Reserves in British Columbia, BC Ministry of Energy Mines and Petroleum Resources Open File 1989 - 22

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

Victoria, B.C. January 8,1992

## APPENDIX I

Sample Analyses

Q15T	A/C	
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# EQUITY SILVER MINES LIMITED

# ASSAY CERTIFICATE

N A F	Aill Supt. ————————————————————————————————————	Engineeri Geology Mill Gold Plat Metallurg	ing		Tag RILL C	ORE.	, AC.	re Ju	ly 10	
	SAMPLE	Çu	Ag	Au	Sb	A1	Fe	Pb	Zn	Me
نسن		%	g/t	9/1	%	%	₹6 -	0.6	%	46
1	60401	.07	5	.05	10.	ND	2.1	TR	DI	١٥١
2	60402	-10	TR	.14	.01	TR	1.3		.01	. ७२
3	03	. එහි	*	108	7	ND	1.7		.01	.02
4	04	.05		.05		20	1.9		.01	.02
5	05	् छ		.07		No	1.8		.01	,02
6	06	.05		1.05		ND	1.7		01	.02
7	07	. ) )		1.10		TR	2.3	\	.04	02
8	೦೪	.10		1.13		ND	1.9	1	.02	.01
, l	09	.04		,05			1.6	<u> </u>	.03	,01
10	10	01		105			1.5		01	.02
11	( (	.23		.05			1.5	<u> </u>	TR	TR
12	12	.04		.04			1.5		78	.0\
13	13	.05		. 03			1.8	<i>i</i>	.01	01
14	14	,०९		.05		(	2.0		TR	.01
15	15	:01		.17			1.1	!	بهار	.01
16	16	.01		.07			۵,		TVR	,0(
17	17	.08		.08			.6		TR	,01
18	18	.17		.63			1.0		TR	01
19	19	16		.08			1.0		TR	.01
20	20	.02		.06			1.3		اد.	TR
21	7.1	.03		.07			T_ \	:	TR	.01
22	22	.02		.07			1.0		01	ND
	23	.06		108			1.9		TR	.01
24	24	.09		.09		<u>ئ</u> ـ	1.4	.01	TR	.01

ND - Not Detected

Tr - < .01 %

Ag Ir < 10 gm/TONNE

DENT GEOLOGY DIST

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# EQUITY SILVER MINES LIMITED

# ASSAY CERTIFICATE

	tention: Mine Meneger Mill Supt. Pil Supt. Plant Supt. Adm. Supt.	Enginee Geology Mili Gold Pla Metallur	ring		,	Tacker		ATE d	aleg 1	n, ar
	SAMPLE	Cu	و۵	Au	Sb	As _	Fe	Pb	Zn	Mo
4	DRILL CORE	%	g/t	g/t	%	*	%	%	<b>%</b>	%
/	60425	,063	3	.06	,01	705	,86	112	Tr	,02
2	26	.166	8	.06	101	.03	1.74	171	Tr	101
3	27	146	3	.05	Ir	,02	1.24	ND	Tr	.01
4	28	<b>`</b> 532	3	.04	Tr	.09	1.13	ND	Tr	101
5	29	,123	2	.03	,01	.03	1.89	ND	Tr	.02
6	30	,132	2	.05	75	109	.96	ND	Tr	.03
7	31	,076	2	.02	101	103	1.17	NP	Tr	,01
8	32	,109	2	.02	.01	,03	1.29	ND	Tr	,01
9 ~		.087	3	.02	Tr	.03	1.42	ND	TC	Tr
10	34	110	14	.02	71	.03	1,98	ND	Tr	,01
11	36	.169	4	.02	TC	,03	1.82	ND	Tr	,01
12	36	.143	5	.11	,0(	,03	,99	ND	Tr	.01
13	37	195	4	.16	70	109	1.38	ND	71	60,
14	38	,007	3	.02	101	,03	.63	ND	Tr	ND Qu
15	.39	Tr	3	.03	,01	,03	,68	ND	Tr	ND
16	40	्०।८	3	.02	.01	,03	.65	ND	ND	nD
17										
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20										
21										
22										
27										
24										

ND - Not Detected Tr - € ,01 %

Tr < 1.0 gm/TONNE

COMP: N.C.CARTER CONSULTING

.9 11620 .7 7580

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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: £31)

SAMPLE CA CD CO CU Þ PB SB SR GA AG AL AS В BA BE ΒI MO NA TH TI SN u . PPM PPM PPM PPM NUMBER PPM 2.1 18530 1686 68.0 10 13080 53 948 26180 9 10880 1.5 14400 1438 63.8 1.7 15820 758 29880 3670 83.9 9 14280 . 1 1.5 17690 475 37440 2520 9 14960 95.5 2260 89.3 737 34990 1.9 18150 7 15700 1.4 14090 13 11100 1868 73.2 399 29530 6 12660 75.9 2.0 14060 1145 42840 2000 7 12220 2.1 16620 13 1015 34610 3800 9 15530 98.1 . 1 1.5 17190 420 32160 2460 10 15610 2383 97.9 11 11480 1862 72.8 1.1 13740 .1 166 26410 7 11480 2.0 10310 5 59 671 37.0 2426 30480 1 1070 33 445 24070 2 1180 1 970 498 32.2 .5 11660 . 1 50 9 13600 40.4 .6 11230 565 40200 . 1 .8 9140 6 10960 561 32.7 908 29130 . 1 .9 150 21890 1 1040 1366 45.6 . 1 .1 .2 .6 164 10520 3 1030 416 22.7 91 1.3 10550 .1 77 578 36.4 žž 2Ž 49.4 1762 19560 3.1 11830 . 2 11 10530 1463 16070 728 47.8 2.4 .7 119 20070 773 32.5 .1 6 11320 .9 .1 270 18930 1200 37.6 .1 1280 41.3 .1 1.1 .1 74 1887 85.2 1.2 1656 57.0 . 1 . 1 .9 698 17360 846 36.3 57 1.9 1642 28470 1840 8 12290 1820 71.8 Ži 1.9 1463 18320 1430 925 47.0 2406 18910 480 35.6 2.0 .1 .2 .1 57 .9 1013 11180 391 24.8 1.4 .3 7 1257 16780 618 37.5 .2 67 780 23120 467 45.9 .1 10 10380 1145 27740 1405 70.1 1.0 10660 885 26060 55 1030 928 52.9 .8 . 1 .Ž .7 10010 .1 19 1222 34050 565 47.4 1660 26980 745 45.1 1.4 .2 1100 61.8 2.3 11480 13 15660 1413 17080 60438 1009 69.0 1829 18630 8 11400 2.1 11280 .1 

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21 1130

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1014 40.2

870 31.0

868 38.2

53 18050

7 13100

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COMP: N.C.CARTER CONSULTING

#### MIN-EN LABS - ICP REPORT

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

ATTN: N.C.CARTER

PROJ:

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

FILE NO: 15-0835-RJ3

DATE: 91/09/27

\* CORE REJECTS \* (ACT:F31)

SAMPLE NUMBER	AG PPM	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 1	NI PPM	P PPM	PB PPM I	SB PPM P	SR 1	H T	I M F	V PM I	ZN PPM P	GA PM P	SN PM PI	W CI	R AU-F	IRE PPB
60451 60452 60453 60454	.9 .4 .9	8310 10670 13710 26640	2 4 3 4	19 13 8 5	52 30 71 195	.1 .4 .1	14 4 10 10	11840 13890 13260 19450	.1 .1 .1	8 6 12 15	278 170 149 209	23920 15460 31780 42310	1500 960 2200 2890	5 6 8 15	7700 6540 9720 18820	147 154 330 583	21 159 50 3	760 590 1730 720	1 1 1	830 850 840 1000	18 9 11 15	1 1 1 2 3	75 41 64 57	1 185 1 21 1 215 1 176	0 57 4 42 7 81 4 111	7.4 2.0 1.8 1.0	22 14 19 68	3 6 4 6	4 2 2 1	5 59 3 46 6 90 4 30	9 5 0 5	2 5 1 2
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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: 15-0835-RJ4 DATE: 91/09/27

\* R C REJECTS \* (ACT:F31)

IN: N.C.CARI												(004)7			100 177				NI T			- CD (	·			711		CH		D 411	
SAMPLE Number	AG PPM	PPM	AS PPM	PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM		PPM		PPM P		M PPN	PP		GA PPM	SN PPM P	W C	R AU-	PPB
60455 60456 60457 60458 60459	1.4 1.5 1.9	30340 16800 12470 13040 17490	6 8 8 8 15	12 6 6 5 4	46 60 61 77 101	.1	11 10 13	26660 15840 12270 11170 16090	.1 .1 .1	24 14 11 13 13	1124 1157 2581 263	54150 37260 28820 38210 29270	1870 2030 2210 1960	6 8	10070 8400	774 303 239 245 402	57 179 51	820 1910 1710 1510 910	1 5 7 10 12	1280 910 1060 910 990	25 21 17 12 13	1 2°	50	1 3718 1 1704 1 1410 1 1593 1 1561	68.1 61.1 60.0	50 37 34	6 7 5 6	62322	7 8	66 66 17 12	6225
60460 60461 60462 60463 60464	.8 1.4 1.2		1 6 6 3 6	3 3 5 5	70 62 131 72 77	.1	13 15	10850 19110 15740 14820 13500	.1 .1 .1 .1	8 13 12 11 23	31 303 72 71	24590 27980 31600 28780 45340	1020 1630 4290 2600	4 7 9 8	6560 12220 11890 10360 10590	292 360 544 419 428	7 14	1120 710 1710 1490 560	3 5 6 10 3	860 750 780 790 860	18 14 17 13 15	1 14 1 13 1 13 1 13	53 15	1 2089 1 2130 1 2249 1 2183 1 1629	74.6 78.4 74.1	3 25 5 23 4 38 1 33	4 7 6 5 4	2 3 2 3 1		5	1 2 2 1 3
60465 60466 60467 60468 60469	.8 1.2 .4 1.1	12330 19440 19340 9380 22660	17 6 1 9 5	2 2 3 2 1	81 81 71 81 154	.1 .1 .1 .5	7 15 14 11	15300 17530 20160 15900 15490	.1 .1 .1	10 15 18 9	67 88 67 93	29530 38220 64530 25850 37830	1170 2290 1900 1500	7 9 10 3		455 528 581 241 486	2 6 45 7 127	640	9 2 1 5	820 800 740 890 870	13 16 18 15 15		58 16 13	1 149	87.3 102.1	7 117 5 58 1 69 5 55 0 61	6 5 5 8	1 2 1 1 2	4 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	33 34 30 78 40	99
60470 60471 60472 60473 60474	1.2 1.3 1.6	15670 18940 20970 15680 20970	9 6 11 21	1 1 1 2 4	170 93 79 78 77	.1 .1 .1	13 13 12	11270 16090 17860 17270 15870	.1 .1 .1 .1		23 21 966 2016	34880 32650 39390 33460 34000	1830 2690 3220 2630	4 7 7	12260 11180 14280 12390 13180	694 577 473 320	13 2 2	420 1970 1670 1030	4 5 1 7 8	830 790 910 860 930	12 11 11 12 14	1 17 1 2 1 1! 1 1 4 1	15 57 13	1 1692 1 2235 1 2335 1 1468 1 177	89.7 102.7 86.7	2 43 7 74 2 47 9 43	7 7 7 7 10	1 1 1 1	6 6	73 56 58 70 37	20 2 1 4
60475 60476 60477 60478	3.3 1.6	17120 21380 16210 18160	12 14 13 4	1 3 1 1	95 60 83 109	.1 .1 .1	17 19	13250 19170 14970 15870	.1	15 15 14 13	1083	38340 37570 34820 34940	1430	5 4 6 6	9880 10260 11750 11370	392 335 338 338	190	740 790 620 1010	8 11 1	790 750 700 700	15 13 10 10	3 1! 2 2! 1 1! 1 1	01 51	1 1593 1 2004 1 2395 1 2310	79.	4 35 3 38	7 8 7 6	1 1 3 1	6 5 6 5 5	79 75 75 70	15 4 2 3
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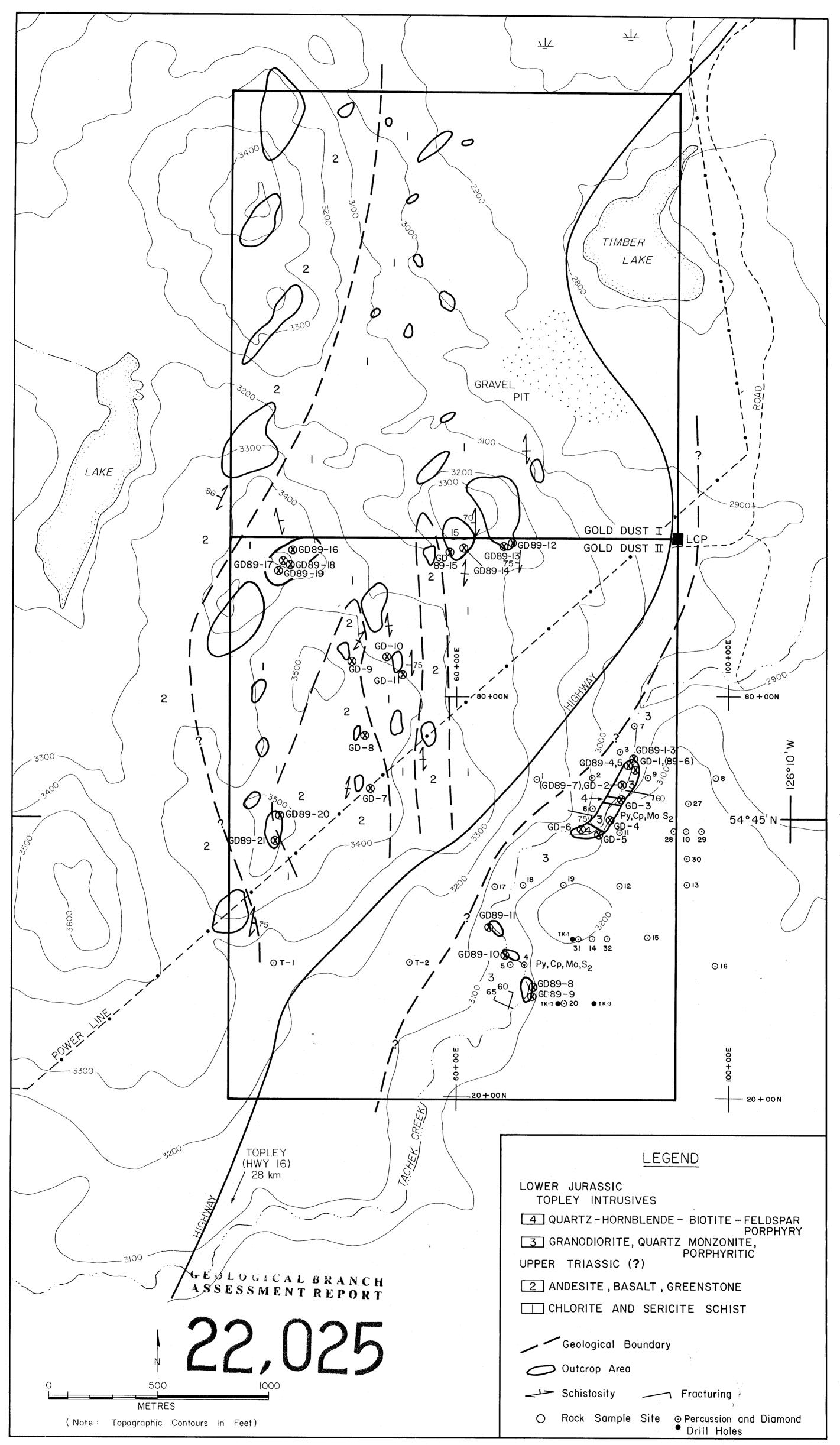


FIGURE 4 - GOLD DUST PROPERTY - GEOLOGY