

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 9205E

13 January 1983

ASSESSMENT REPORT
ON
PERCUSSION DRILLING

TK 7, 8, 10, 33, 35, 37 MINERAL CLAIMS

RECORD NUMBERS: 30887, 30888, 30890
30913, 30915, 30917

LATITUDE: 51°28'N LONGITUDE: 123°37'E

CLINTON MINING DIVISION

OWNER: Taseko Mines NPL

OPERATOR: Cominco Ltd.
700-409 Granville Street
Vancouver, B.C.
V6C 1T2

WORK DATES: July 20-August 1982

REPORT DATE: 10 December 1982

REPORT BY: A.M. PAUWELS, B.Sc.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,909

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COMINCO LTD.

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WESTERN DISTRICT

13 January 1983

ASSESSMENT REPORT

TK 7, 8, 10, 33, 35, 37 MINERAL CLAIMS

INTRODUCTION

The Fish Lake property is located 197 km southwest of Williams Lake, B.C. (see Figure 1). The area is accessible by road from Williams Lake via Hanceville and the Nemaia Valley access road. The last 18 km to Fish Lake is a rough gravel road branching from the Nemaia Valley road at the Davidson Bridge.

The property is situated on the Fraser Plateau 16 km east of the Coast Mountains. Topography on the claims in the area is gentle, elevations range from 1450 to 1600 m above sea level.

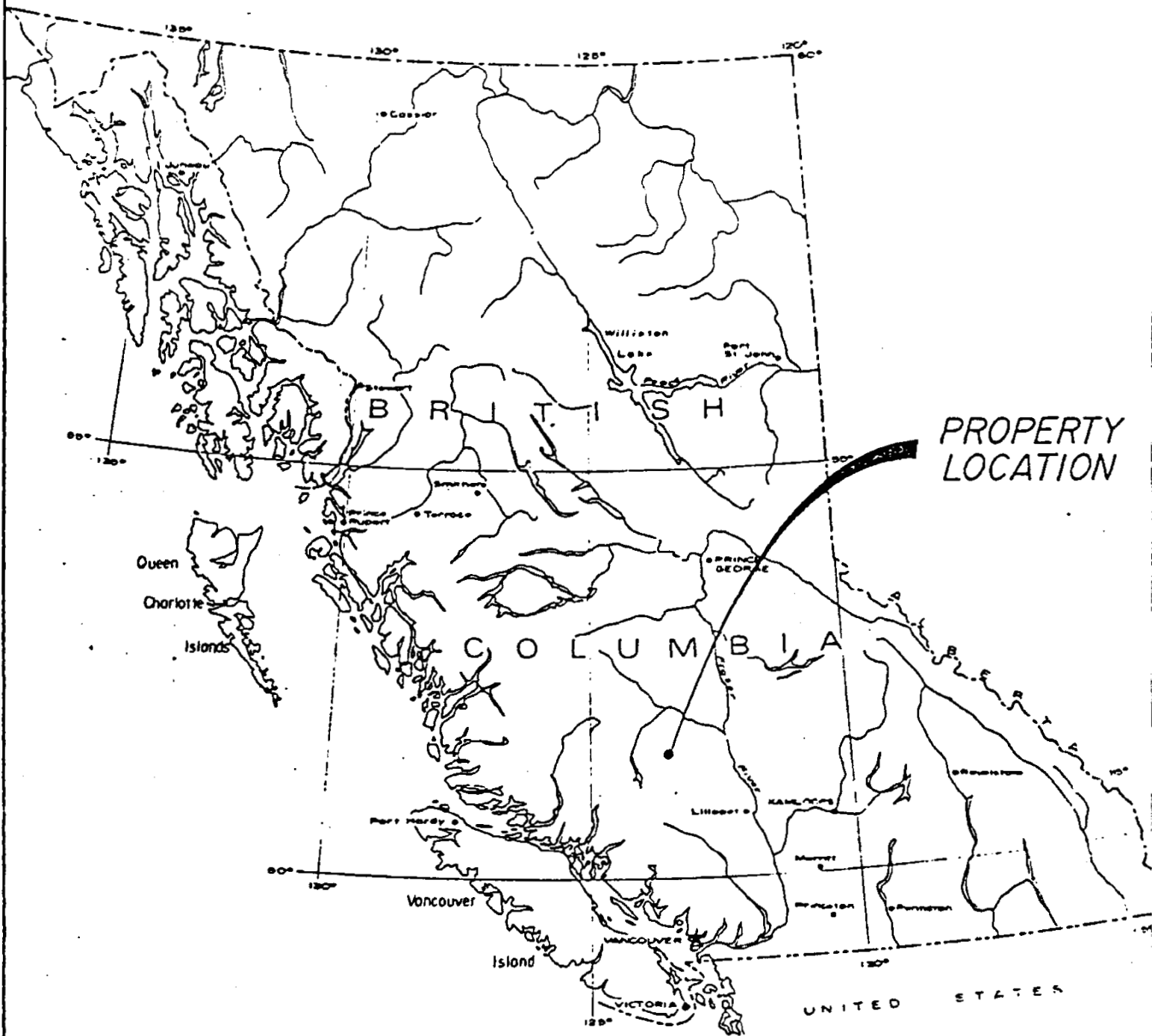
HISTORY

The history of the property goes back to 1935, when prospector Vic Calep located small gold bearing outcrops 1 mile north of Fish Lake.

In 1962-1964, Phelps Dodge staked the Fish Lake area and did extensive, geophysical and geochemical surveys and drilling. Low grade copper-gold mineralization was found in the valley of Fish Creek, 1 km northwest of Fish Lake. Taseko Mines acquired the area in 1967 and did additional drilling, geophysical surveys and trenching.

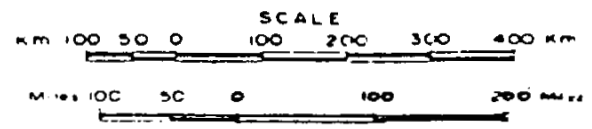
In 1973-1974, Quintana Minerals optioned the property from Taseko Mines and drilled approximately 4000 m in the area of low grade copper-gold mineralization. Quintana located several tens of millions of tons grading 0.25% Cu and 0.014 oz/t Au.

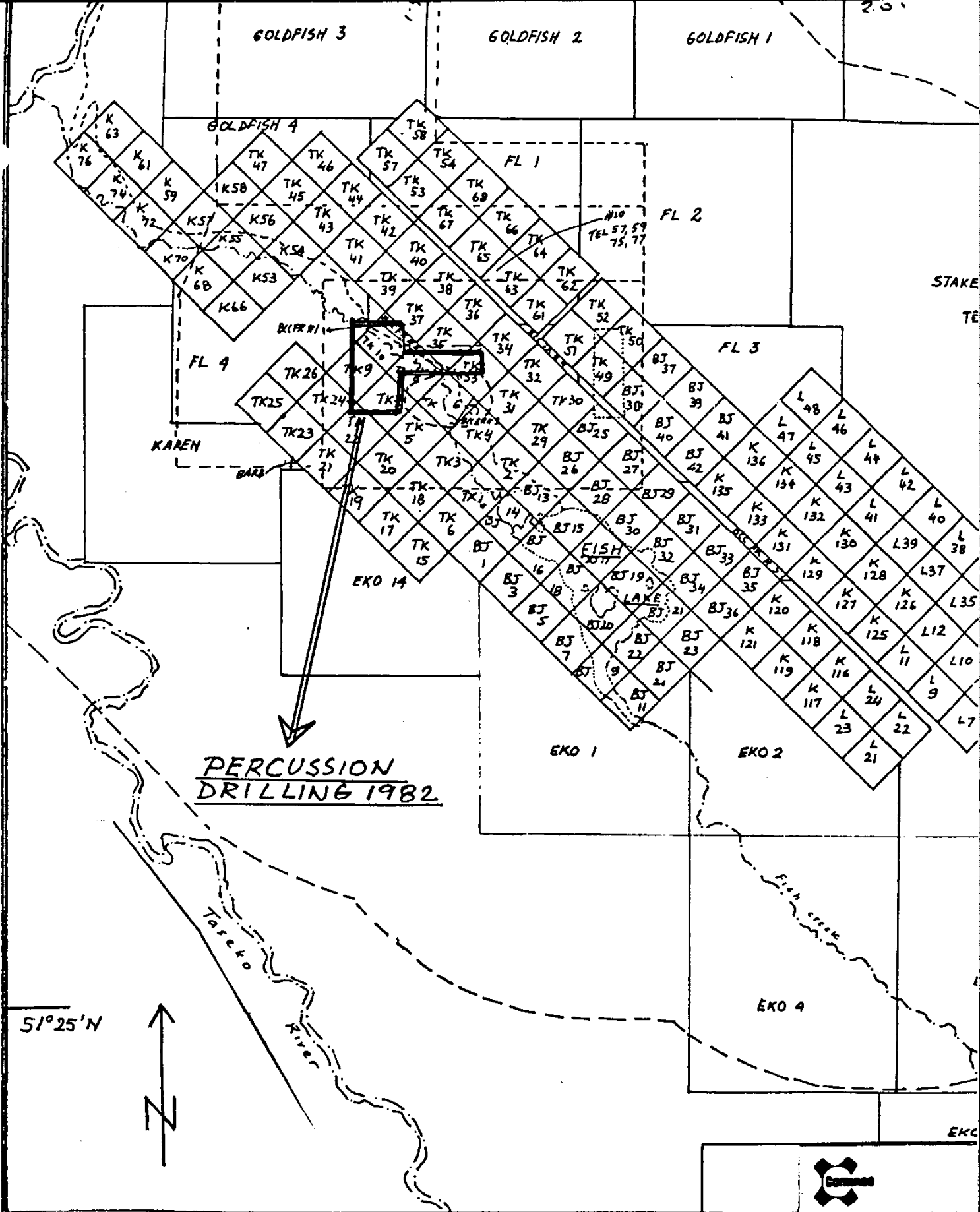
In 1979 an agreement was reached between Bethlehem Copper Corporation and Taseko Mines. In 1979 and 1980 2,264 m of percussion drilling was completed in 33 holes east of the zone drilled by Quintana Minerals. In 1981 Bethlehem drilled 8,691.2 m (31 holes) in the area drilled by Quintana Minerals. The purpose of the drilling programme was to measure the extent of the lower grade copper-gold mineralization to a



FISH LAKE PROPERTY
 CLINTON M.D.
 92 O-5/E

FIGURE 1





PERCUSSION
DRILLING 1982

51°25'N



Drawn by: AMP	Traced by:
Revised by	Date
Revised by	Date

FISH LAKE

CLAIM LOCATION

AMP 9205E

Scale: 1 : 50,000

Date: 13 Jan 1983

Plate: 2



2.

vertical depth of 300 m at 100 m centers. A smaller amount of drilling (923.8 m, seven holes) was done to test the gold mineralization originally located in 1935 east of the low grade Cu-Au mineralization.

DRILLING 1982

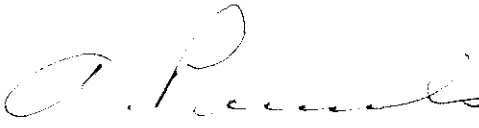
From July 27 to August 8, nineteen percussion holes were completed by Al Miller Percussion drilling Ltd. of Kamloops. Site preparation was done by J. Murdoch of Konni Lake. All holes except one reached bedrock. The holes varied in length from 21 to 91.5 m and were all drilled at -90° . The drill cuttings in bedrock were sampled systematically at intervals of 3.05 m; one twelfth of the cuttings was retained for analysis. Each sample was logged with the aid of a 25 power binocular microscope. Analysis for copper and gold was done by Cominco laboratories at 1486 E. Pender, Vancouver.

The drill holes are located on a 200 x 200 m grid oriented North/South East/West (see Figure 2 for location) and was aimed at testing an unexplored area West and Northwest of the Fish Lake Cu-Au deposit.

Drill hole data and description of the chips are recorded on drill logs in Appendix I, expenditures are detailed in Appendix II.

The drill cuttings were logged by A. Pauwels, B.Sc., and sampling was done by S. Harris. The drill program/bulldozing was supervised by A. Pauwels, B.Sc. Project Geologist (for qualifications see Appendix III).


Reported by: _____


A. PAUWELS,
Project Geologist

Endorsed by: _____


M.J. OSATENKO
Senior Geologist

Approved for
Release by: _____


G. HARDEN
Exploration Manager
Western District

A P P E N D I X I

Drill Hole Logs

All results in ppm or % as indicated

Au results in ppb or oz/T as indicated

Drill Hole Record



Property Fish Lake District W.D. Hole No. PC 82-1

Commenced 27 July 1982 Location 9205E

Completed 27 July 1982

Co-ordinates 10600N 10100E

True Brg. -90°

Logged by A.M. Pauwels

Objective Test I.P. Anomaly

% Recov.

Date 29 July 1982

Drilled by A. Miller Percussion Drilling Ltd., Kamloops

Claim TK35

T. Brg.

Collar Dip -90°

Elev.

Length 91.5 m (300')

Hole No. PC82-1 Sheet

Metres from To	Description	Recovery %	Sample No.	Length	Analysis	
					Cu ppm	Au ppb
0 - 7.90	Overburden		100101	7.90-12.2	217	70
			100102	12.2 -15.25	559	40
	limonite in chips to 21 m.		100103	15.75-18.3	543	44
	- fines consist of sericite/chlorite flakes		100104	18.3 -21.35	424	44
	- chips consist of quartz, angular and rounded		100105	21.35-24.4	607	100
	quartz with adhering - sericite		100106	24.4 -27.45	542	48
	- chlorite		100107	27.45-30.5	543	54
	pyrite ± 5% of chips average		100108	30.5 -33.55	627	54
	3% to 30 m		100109	22.55-36.6	832	52
	1% to 30-35		100110	36.6 -39.65	695	52
	2% to 35-40		100111	39.65-42.7	821	64
	8% to 40-49		100112	42.7 -45.75	495	160
	2% to 49-50					
	1 to 2% to 58-82		100113	45.75-48.8	552	160
	5% to 82-91		100114	48.8 -51.85	624	180
			100115	51.85-54.9	663	260
	- a few chalcopyrite grains at 58		100116	54.9 -57.95	679	202
	- pyrite occurs as discrete grain or clustered with chlorite,		100117	57.95-61	628	160
	rarely disseminated in quartz grains.		100118	61 -64.05	514	80
	- minor hematite.		100119	64.05-67.00	840	81
	Chips indicate, quartz diorite porphyry, chloritic alteration.		100120	67.10-70.15	999	144
			100121	70.15-73.20	1004	160
			100122	73.20-76.25	1028	142

Scale
Colour Plot
& Dip

Drill Hole Record



Property **FISH LAKE** District **W.D.** Hole No. **PC 82-2**
 Commenced **27 July 1982** Location **9205E**
 Completed **28 July 1982**
 Co-ordinates **10600N 10300E** True Brg. _____ Logged by **A. Pauwels**
 Objective **Intersect IP Anomaly** % Recov. _____ Date **29 July 1982**
 Drilled by **Al Miller Percussion Drilling Ltd.**

Claim **TK 35**
 T Brg. **-**
 Collar Dip **-90°**
 Elev. _____
 Length **91.5m**
 Hole No. **PC 82-2** Sheet **1**

From	To	Description	Recovery %	Sample No.	Length (feet)	Analysis				
						Cu ppm	Au pph			
0	1.22	Overburden		100128	1.22-6.10	1232	162			
1.22	12	Area of weathering, limonite in chips (10%)		100129	6.10-9.15	762	52			
		Most grains quartz (70-90%)		100130	9.15-12.20	575	24			
		also - chalky feldspar grains (sericitized feldspar)		100131	12.20-15.25	536	52			
		- pyrite 1 to 2%		100132	15.25-18.30	452	40			
		- hematite 0.5%		100133	18.30-21.35	471	40			
		- magnetite		100134	21.35-24.4	419	40			
		- traces of chalcopyrite, from 52-67 m		100135	24.40-27.45	538	42			
		in quartz grains at, 46-69 m		100136	27.45-30.50	523	56			
		- trace molybdenite 30-34 m		100137	30.50-33.55	557	82			
		- some sericite/chlorite flakes		100138	33.55-36.60	611	100			
		Probably, chlorite-sericite altered quartz diorite porphyry.		100139	36.60-39.65	950	102			
				100140	39.65-42.70	415	42			
				100141	42.70-45.75	387	30			
				100142	45.75-48.80	242	<10			
				100143	48.80-51.85	85	20			
				100144	51.85-54.90	78	<10			
				100145	54.90-57.95	242	<10			
				100146	57.95-61.00	351	32			
				100147	61.00-64.05	374	14			
				100148	64.05-67.10	375	40			
				100149	67.10-70.15	925	102			



Drill Hole Record

Property FISH LAKE District W.D. Hole No. PC -82-3
 Commenced 29 July 1982 Location 9205E
 Completed 29 July 1982
 Co-ordinates 10600N 9900E True Brg. -90° Logged by A.M. Pauwels
 Objective Intersect IP Anomaly % Recov. _____ Date 30 July 1982
 Drilled by Al Miller Percussion Drilling Ltd.

Claim _____
 T Brg. _____
 Collar Dip -90°
 Elev. _____
 Length 91.5 m
 Hole No. PC-F-82-3 Sheet 1

From	To	Description	Recovery %	Sample No.	Length	Analysis				
						Cu ppm	Au. ppb			
0	23.48	Overburden		95307	23.48-27.45	412	120			
23.48	30.50	Large amounts of limonite.		95308	27.45-30.50	235	34			
30.50	36.60	All quartz grains, some with disseminated pyrite,		95309	30.5-33.55	302	60			
		pyrite 2%, minor chalcopyrite, rare epidote grains,		95310	33.55-36.60	207	42			
		some disseminated magnetite in quartz, leucocratic		95311	36.6-39.65	172	40			
		quartz feldspar porphyry or felsite..		95312	39.65-42.7	184	42			
36.6	91.5	Mostly quartz grain, some clear, some milky white; 1 to 2% pyrite		95313	42.7-45.75	184	42			
		chips, rare hematite chips, some chlorite, quartz.		95314	45.75-48.80	156	34			
		Rare epidote from 70 m on.		95315	48.80-51.85	171	64			
		Quartz diorite porphyry chlorite/epidote/sericite alteration.		95316	51.85-54.90	192	42			
				95317	54.90-57.95	147	80			
				95318	57.95-61.00	104	42			
				95319	61.00-64.05	156	78			
				95320	64.05-67.10	119	82			
				95321	67.10-70.15	83	62			
				95322	70.15-73.20	34	22			
				95323	73.30-76.25	106	28			
				95324	76.25-79.30	99	40			
				95325	79.30-82.35	65	20			
				95326	82.35-85.4	60	<10			
				95327	85.40-88.45	46	32			
				95328	88.45-91.50	47	110			



Drill Hole Record

Property FISH LAKE District W.D. Hole No. PC -82-4
 Commenced 29 July 1982 Location 9205E
 Completed 29 July 1982
 Co-ordinates 10.600N 9700E True Brg. -90° Logged by A.M.Pauwels
 Objective Intersect IP Anomaly % Recov. _____ Date 1 August 1982
 Drilled by Al Miller Percussion Drilling Ltd.

Claim _____ T Brg. _____
 Collar Dip -90° Elev. _____
 Length 915 m
 Hole No. PC-82-4 Sheet I

From	To	Description	Recovery %	Sample No.	Length	Analysis		Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
						Cu ppm	Au ppb							
0	22.8	Overburden		95329	22.80-27.45	236	44							
22.8	91.5	Coarse chips, quartz		95330	27.45-30.50	149	82							
		quartz/chlorite		95331	30.50-33.55	31	36							
		pyrite 2%		95332	33.55-36.60	82	42							
		hematite p.5		95333	36.60-39.65	46	34							
		trace of chalco at 82.3		95334	39.65-42.70	105	44							
		Quartz diorite porphyry, sericite/chlorite/alteration.		95335	42.70-45.75	62	34							
				95336	45.75-48.80	91	66							
				95337	48.80-51.85	80	100							
				95338	51.85-54.90	64	60							
				95339	54.90-57.95	130	74							
				95340	57.95-61.00	140	60							
				95341	61.00-64.05	58	24							
				95342	64.05-67.10	34	20							
				95343	67.10-70.15	29	24							
				95344	70.15-73.20	114	24							
				95345	73.20-76.25	237	26							
				95346	76.25-79.3	129	40							
				95347	79.30-82.35	76	20							
				95348	82.35-85.40	57	26							
				95349	85.40-88.45	49	24							
				95350	88.45-91.50	47	20							

Scale

Colour Plot
& Dip

Drill Hole Record



Property Fish Lake District W.D. Hole No. PC -82-5

Commenced July 30, 1982 Location 920SE

Completed July 30, 1982

Co-ordinates 11000 9500E

True Brg. -90°

Logged by A.M. Pauwels

Objective Test IP Anomaly

% Recov.

Date 1 August 1982

Drilled by Al Miller Percussion Drilling Ltd.

Claim TK 10
T Brg.

Collar Dip -90°
Elev.

Length 41.5 m

Hole No. Sheet
PC F-82-5 T

From	To	Description	Sample No.	Length	Analysis				
					Cu ppm	ppb Au			
0 - 7.9		Overburden	95351	7.9 - 12.20	33	62			
7.9 - 91.5		Chips very similar to previous holes 2% pyrite grains, little or no weathering in top of hole, chips dark green, quartz >> chlorite quartz, minor epidote.	95352	12.20-15.25	89	40			
			95353	15.25-18.30	151	40			
			95354	18.30-21.35	137	<10			
			95355	21.35-24.40	55	<10			
		chloritic/epidotized, quartz diorite porphyry.	95356	24.40-27.45	51	<10			
			95357	27.45-30.50	56	<10			
			95358	30.50-33.55	22	<20			
			95359	33.55-36.60	26	<10			
			95360	33.60-39.65	18	<10			
			65361	39.65-42.70	17	<10			
			65362	42.70-45.75	79	<10			
			65363	45.75-48.80	45	<10			
			65364	48.80-51.85	102	<10			
			65365	51.85-54.90	33	<10			
			65366	54.90-57.95	24	<10			
			65367	57.95-61.00	13	<10			
			65368	61.00-64.05	21	<10			
			65369	64.05-67.10	16	<10			
			65370	67.10-70.15	18	<10			
			65371	70.15-73.20	45	<10			
			65372	73.20-76.25	63	<10			

Scale
Colour Plot
& Dips

Drill Hole Record



Property **Fish Lake** District **W.D.** Hole No. **PC 82-7**
 Commenced **31 July 1982** Location **920SE**
 Completed **31 July 1982**
 Co-ordinates **10800N 9700E** True Brg. **-90°** Logged by **A.M. Pauwels**
 Objective **Intersect IP Anomaly** % Recov. Date **August 3, 1982**
 Drilled by **Al Miller Percussion Drilling Ltd.**

Claim
TK 10
T Brg.
Collar Dip **-90°**
Elev.
Length **85.40**
Hole No. **PC F-82-7** Sheet **1**

From	To	Description	Sample No.	Length	Analysis				
					Cu ppm	Au ppb			
0	1.5		95390	1.50-6.10	153	20			
1.5	85.40	Dark green chips, mostly quartz some quartz-chlorite pyrite and rare magnetite.	95391	6.10-9.15	143	20			
		Very similar to PC-82-4	95392	9.55-12.20	101	22			
			95393	12.20-15.25	121	40			
			95394	15.25-18.30	94	40			
			95395	18.30-21.35	107	42			
			95396	21.35-24.40	87	42			
			95397	24.40-27.45	54	20			
			95398	27.45-30.50	51	22			
			95399	30.50-33.55	56	12			
			95400	33.55-36.60	99	26			
		Hole stopped due to loss of water return.	95401	36.60-39.65	106	40			
			95402	39.65-42.70	77	20			
			95403	42.70-45.75	70	42			
			95404	45.75-48.80	122	44			
			95405	48.80-51.85	127	52			
			95406	51.85-54.90	69	50			
			95407	54.90-57.95	115	50			
			95408	57.95-61.00	104	60			
			95409	61.00-64.05	96	18			
			95410	64.05-67.10	62	20			
			95411	67.10-70.15	58	10			

Scale
Colour Plot
& Dips

Drill Hole Record



Property Fish Lake District W.D. Hole No. PC 82-8
 Commenced 31 July, 1982 Location 9205E
 Completed 1 August, 1982
 Co-ordinates 10800N 9500E True Brg. _____ Logged by A.M. Pauwels
 Objective Intersect IP anomaly. % Recov. _____ Date 9 August 1982

Claim _____ TK 10 _____
 T Brg. _____ Collar Dip -90°
 Elev. _____ Length 91.5 m
 Hole No. PCF82-8 Sheet 1

Drilled by Al Miller Percussion Drilling Ltd.

Metres From To	Description	Recovery %	Sample No.	Length	Analysis				
					Cu ppm	Au ppb			
0	No overburden; Set up cut to bedrock		95418	3.05- 9.15	82	60			
	Set up was bulldozed 2 m down from original surface.		95419	9.15-12.2	61	62			
0 - 64	Some large 1 cm chips, medium to fine grained quartz diorite porphyry. Quartz, feldspar, chlorite, 2 to 3% pyrite and 5% epidote.		95420	12.2 -15.25	28	40			
	Some finely disseminated magnetite/hematite. Limonite down to 6 m. Magnetite occurs in chlorite clusters and disseminated in quartz. With depth magnetite increases to 5% (from 43 on) pyrite diminishes to 1%.		95421	15.25-18.3	34	40			
			95422	18.3 -21.35	26	24			
			95423	21.35-24.4	20	24			
			95424	24.4 -27.45	23	24			
			95425	27.45-30.5	48	12			
			95426	30.5 -33.55	52	24			
64 - 91.5	Large quartz chips, less chlorite, pyrite 1% rare magnetite, epidote. Some chalcopyrite 76-79 m.		95427	33.55-36.6	88	22			
	Quartz-Feldspar porphyry.		95428	36.6 -39.65	45	20			
			95429	39.65-42.7	62	20			
91.5	End of Hole.		95430	42.7 -45.75	32	20			
	Alteration: Chlorite, epidote, quartz diorite.		95431	45.75-48.8	32	20			
			95432	48.8 -51.85	21	18			
			95433	51.85-54.9	25	20			
			95434	54.9 -56.95	106	40			
			95435	56.95-61	457	62			
			95436	61 -64.05	112	22			
			95437	64.05-67.00	47	20			
			95438	67.10-70.15	31	20			

Scale
Colour Plot
& Dip

Drill Hole Record



Property Fish Lake District W.D. Hole No. PC 82-9

Commenced 1 August 1982 Location 9205E

Completed 1 August 1982

Co-ordinates 10800N 9290E True Brg. _____ Logged by A.M. Pauwels

Objective Intersect IP Anomaly % Recov. _____ Date 8 August 1982

Drilled by A. Miller Percussion Drilling Ltd.

Claim TK 10
T Brg. _____
Collar Dip -90°
Elev. _____
Length 91.5 m
Hole No. PCF82-9 Sheet 1

Metres		Description	Recovery %	Sample No.	Length	Analysis				
From	To					Cu ppm	Au ppm			
0	15.25	Overburden		95446	15.25-18.3	44	10			
15.25	91.5	Surficial weathering to 18.3m		95447	18.3 -21.35	52	20			
		All quartz diorite porphyry.		95448	21.35-24.4	54	24			
		Some large chips: 20-30% chlorite		95449	24.4 -27.45	77	26			
		medium to fine grained		95450	27.45-30.5	111	24			
		0.5 to 1% pyrite		95451	30.5 -33.55	67	20			
		rare magnetite		95452	33.55-36.6	65	16			
		From 30 m down to 91.5, epidote chips 5% ,increased hematite,		95453	36.6 -39.65	47	<10			
		1% pyrite (with quartz discrete grains or with epidote).		95454	39.65-42.7	18	12			
		Some dark green chips of chlorite/magnetite		95455	42.7 -45.75	9	<10			
				95456	45.75-48.8	12	<10			
		- chloritic/epidote/pyrite alteration.		95457	48.8 -51.85	17	12			
				95458	51.85-54.9	19	<10			
				95459	54.9 -57.95	43	<10			
				95460	56.95-61.0	13	20			
				95461	61.0 -64.05	7	<10			
				95462	64.05-67.10	23	20			
				95463	67.10-70.15	45	24			
				95464	70.15-73.20	70	56			
				95465	73.20-76.25	112	150			
				95466	76.25-79.30	79	140			
				95467	79.30-82.35	177	80			

Scale
Colour Plot
& Dips

Drill Hole Record



Property Fish Lake District W.D. Hole No. PC 82-10
 Commenced 2 August 1982 Location 9205E
 Completed 2 August 1982
 Co-ordinates 10600N 9290E True Brg. Logged by A.M. Pauwels
 Objective Intersect I.P. Anomaly % Recov. Date 8 August 1982

Claim TK 9
 T Brg.
 Collar Dip -900
 Elev.
 Length 91.5 m
 Hole No PC F82-10 sheet 1

Drilled by A. Miller Percussion Drilling, Kamloops.

Metres From To	Description	Recovery %	Sample No.	Length	Analysis				
					Cu ppb	Au ppb			
0 - 28.67	Overburden		95471	14.95-18.3	57	20			
	Weathering to 31 m		95472	18.3 -31.35	102	18			
28.67-91.5	Quartz diorite porphyry medium to fine grained pyrite 3 to 5% maximum 5%		95473	21.35-24.4	55	<10			
	Magnetite, some at 52 m disseminated in quartz.		95474	24.4 -27.45	240	20			
	Most chips are quartz grains, some with chlorite, biotite at 27.5m		95475	27.45-30.5	326	52			
			95476	30.5 -33.55	126	20			
			95477	33.55-36.6	64	20			
			95478	36.6 -39.65	45	20			
	Alteration: Chlorite/pyrite.		95479	39.65-42.7	49	<10			
			95480	42.7 -45.75	67	16			
			95481	45.75-48.8	48	20			
			95482	48.8 -51.85	32	20			
			95483	51.85-54.9	16	<10			
			95484	54.9 -57.95	30	<10			
			95485	56.95-61.0	15	<10			
			95486	61.0 -64.05	17	<10			
			95487	64.05-67.10	29	42			
			95488	67.10-70.15	39	20			
			95489	70.15-73.20	60	40			
			95490	73.20-76.25	41	24			
			95491	76.25-79.30	48	24			

Drill Hole Record



Property FISH LAKE District W.D. Hole No. PC-81-11

Commenced 1 August 1982 Location 9205E

Completed 2 August 1982

Co-ordinates 10800N 9100E

True Brg.

Logged by

Objective Intersect IP Anomaly

% Recov.

Date

Drilled by Al Miller Percussion Drilling Ltd. Kamloops.

Claim FL-4
T Brg.
Collar Dip -90°
Elev.
Length 91.5 m
Hole No. PC-F-82-11
Sheet 1

From	To	Description	Recovery %	Sample No.	Length	Analysis	
						Cu ppm	ppb Au
0	16.78	Overburden		95496	16.78-21.35	76	<10
		Rock was intersected from 16.78 to 24.4		95497	21.35-24.40	75	<10
		then sand 24.4-27.45, bedrock again from 27.45 on. This could		95498	24.4-27.45	91	20
		be talus to 24.4 then overburden then in situ bedrock at 27.45		95499	27.45-30.50	48	20
16.78	27.45	Fine dark brown chips, probably Tertiary basalt (talus?).		95500	30.50-33.55	25	<10
				95501	33.55-36.60	156	20
				95502	36.60-39.65	121	20
				95503	39.65-42.70	88	10
27.45	36.6	Grey (90%) and dark green chips (5%) 1 to 2% py. Dark green chip		95504	42.70-45.75	112	20
		show chlorite after hornblende		95505	45.75-48.80	106	20
		Quartz diorite		95506	48.80-51.85	232	20
36.60	48.80	Similar chip as above (quartz-diorite)		95507	51.85-54.90	181	20
		and also + 30% chips from black graphitic sediments (fine-grained		95508	54.90-57.95	114	12
		shale or greywacke).		95509	57.95-61.00	131	20
48.80	58.00	All sediment chips - shale		95510	61.00-64.05	176	<10
				95511	64.05-67.10	55	<10
58.00	88.00	Mostly quartz chips 2-3% pyrite with ghost hornblende (chlorite)		95512	67.10-70.15	49	<10
		quartz diorite some 10% of chips sediments (fine black, shale)		95513	70.15-73.20	104	20
88.00	91.5	Sediments grey to black from 76 on to 91.5 10% pyrite very fine.		95514	73.20-76.25	63	<10
		Quartz diorite with sericitic/chloritic alteration, sediments		95515	76.25-79.30	87	20
		with disseminated pyrite.		95516	79.30-82.35	92	<10
				95517	82.35-85.40	89	20

Drill Hole Record



Property FISH LAKE **District** W.D. **Hole No.** PC -82-12
Commenced 3 August 1982 **Location** 9205E
Completed 3 August 1982
Co-ordinates 11.003N 9302E **True Brg.** **Logged by** A.M.Pauwels
Objective Intersect IP Anomaly **% Recov.** **Date** 8 August 1982
 Drilled by Al Miller Percussion Drilling Ltd.

Claim
 T Brg. FL-4
 Collar Dip -90°
 Elev.
 Length 91.5 m
 Hole No. PC-82-12
 Sheet 1

From	To	Description	Recovery %	Sample No.	Length	Analysis	
						% Cu	Au. oz/T
0	2.4	Overburden - drilling very fast to 170'		95520	2.44-6.10	0.002	0.003
		examined from samples at 10' intervals		95521	6.10-9.15	0.01	0.003
2.4	46.0	Dark green pulp, fine pyrite, 10-25% pyrite.		95522	9.15-12.20	0.11	0.008
				95523	12.20-15.25	0.13	0.200
		Concentrate is 99% pyrite 1% chalco, 2 grains seen		95524	15.25-18.30	0.23	0.462
		Chips quartz 90% and chloritic-qz; chips mostly very small (chlorite alteration no epidote)		95525	18.30-21.35	0.08	0.224
46	91.5	Pyrite diminishes to 3 to 5% of sample and magnetite appears from 60 m on.		95527	24.40-27.45	0.05	0.066
		Magnetite is also visible as fine disseminations in quartz grain also some hematite.		95528	27.45-30.50	0.03	0.050
				95529	30.50-33.55	0.02	0.030
				95530	33.55-36.60	0.02	0.042
				95531	36.60-39.65	0.02	0.032
		Grains are 90% quartz with small grains of py or clots of chlorite		95532	39.65-42.70	0.15	0.082
		10% of chips are chlorite, chlorite clusters with dis py.		95533	42.70-45.75	0.03	0.020
		A few chlorite particles in shape of hornblende (250-60 py 5% 49-54.9		95534	45.75-48.80	0.03	0.014
		3-5% 54.9-60		95555	48.80-51.85	0.02	0.020
		1-3% 60-70.1		95536	51.85-54.90	0.02	0.026
		2% 70.1-91.5		95537	54.90-57.95	0.02	0.020
				95538	57.95-61.00	0.02	0.012
		Epidote appears but rare from 79.3 on.		95539	61.00-64.05	0.02	0.018
		Most of chips are derived from chlorite to chlorite/epidote altered quartz/diorite. High py content at top (0-46)					



Drill Hole Record

Property FISH LAKE District W.D. Hole No. PC -82-13
 Commenced 3 August 1982 Location _____
 Completed 4 August 1982
 Co-ordinates 10600N 9500E True Brg. _____ Logged by A.M.Pauwels
 Objective Intersect IP anomaly % Recov. _____ Date 7 August 1982

Drilled by Al Miller Percussion Drilling Ltd.

From	To	Description	Recovery %	Sample No.	Length	Analysis		Claim	TK 10 T Brg.	Collar Dip -90° Elev.	Length 91.5 m	Hole No. PC-F-82-13	Sheet 1
						Cu ppm	Au ppb						
0	20.7	Overburden		95549	20.70-24.40	49	52						
		Chips coarse (to 3 mm) to 39.65		95550	24.40-27.45	89	20						
		Chips fine from 39.65 - 91.5 m		63901	27.45-30.50	73	< 10						
20.70	39.65	Quartz chips > hornblende/chlorite > epidote		63902	30.50-33.55	45	< 10						
		py disseminated in quartz and as discrete particles, 5% py,		63903	33.55-36.60	62	< 10						
		increasing to 10% at 36.6 to 39.65; disseminated magnetite in		63904	36.60-39.65	72	< 10						
		quartz.		63905	39.65-42.70	81	< 10						
		Quartz diorite or felsite.		63906	42.70-45.75	58	< 10						
				63907	45.75-48.80	75	< 10						
39.65	91.5	Light grey fine chips, mostly quartz some evidenc of		63908	48.80-51.85	70	< 10						
		quartz veining 3 to 5% pyrite 1% hematite.		63909	51.85-54.90	48	< 10						
				63910	54.90-57.95	36	< 10						
				63911	57.95-61.00	27	40						
		Quartz (feldspar) porphyry.		63912	61.00-64.05	26	< 10						
91.5		END OF HOLE		63913	67.05-67.10	26	< 10						
				63914	67.10-70.15	33	< 10						
				63915	70.15-73.20	68	< 10						
				63916	73.20-76.25	64	< 10						
		Epidote/chlorite alteration to 39.65		63917	76.25-79.30	1	< 10						
		Sericite >> chlorite alteration from 39.65 to 90.		63918	79.30-82.35	23	< 10						
				63919	82.35-85.40	22	< 10						
				63920	85.40-88.45	30	< 10						
				63921	88.45-91.50	54	< 10						

Scale
Colour Plot
& Dips

Drill Hole Record



Property	Fish Lake	District	W.D.	Hole No.	PC 82-14
Commenced	3 August 1982	Location	9205E		
Completed	3 August 1982				
Co-ordinates	10300N, 9900E	True Brg.		Logged by	
Objective		% Recov.		Date	

Claim TK 8
T Brg.
Collar Dip -90°
Elev.
Length 45.75 m
Hole No. PC F82-14 Sheet 1

Drilled by A. Miller Percussion Drilling Ltd. Kamloops, B.C.

Metres	Description	Recovery %	Sample No.	Length	Analysis				
From	To								
0	45.75		No samples						

Hole stopped in overburden, hole flowing water. 18 liters/minute

Drill Hole Record



Property Fish Lake District W.D. Hole No. PC 82-15

Commenced 4 August 1982 Location 920 5E

Completed 4 August 1982

Co-ordinates 10065N 9767E

True Brg.

Logged by A.M. Pauwels

Objective

% Recov.

Date 9 August 1982

Drilled by A. Miller Percussion Drilling Ltd. Kamloops

Claim TK 7
 T Brg.
 Collar Dip -90°
 Elev.
 Length 91.5 m
 Hole No PC F 82-15 Sheet 1

Metres from To	Description	Recovery %	Sample No.	Length	Analysis	
					Cu %	Au oz/Ton
0 - 14.03	Surficial weathering to 27.4		63922	14.03-18.3	0.09	0.006
14 - 91.5	All chips are coarse light grey.		63923	18.3 -21.35	0.12	0.008
			63924	21.35-24.4	0.18	0.010
	Quartz chips, small amount of molybdenite		63925	24.4 -27.45	0.22	0.008
			63926	27.45-30.5	0.15	0.018
	Coarse chips with 0.5% pyrite, minor chalcopyrite, magnetite		63927	30.5 -33.55	0.11	0.010
	some chalco in magnetite.		63928	33.55-36.6	0.12	0.010
	From 42.7 molybdenite, sparse, disseminated in quartz chips.		63929	26.6 -39.65	0.13	0.014
	Chalco and moly in clear quartz chips (veins).		63930	39.65-42.7	0.11	0.006
	Increasing chalcopyrite past 60 m.		63931	42.7 - 45.75	0.09	0.012
91.50	End of Hole		63932	45.75-48.8	0.13	0.010
	Quartz (feldspar porphyry) sericite chlorite alteration,		63933	48.8 -51.85	0.21	0.006
	quartz veining, chalcopyrite, moly.		63934	51.85-54.9	0.15	0.005
			63935	54.9 -57.95	0.13	0.005
			63936	57.95-61.0	0.12	0.005
			63937	61.0 -64.05	0.10	0.006
			63938	64.05-67.10	0.13	0.008
			63939	67.10-70.15	0.11	0.006
			63940	70.15-73.20	0.10	0.008
			63941	73.20-76.25	0.13	0.008
			63942	76.25-79.30	0.13	0.006
			63943	79.30-82.35	0.19	0.005

Scale
Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No. PF 82-15
Commenced	Location	
Completed		
Co-ordinates	True Brg.	Logged by
Objective	% Recov.	Date

Claim	T Brg.	Collar Dip	Elev.	Length
-------	--------	------------	-------	--------

From	To	Description	Recovery %	Sample No.	Length	Analysis				
						Cu %	Au. oz./ton.			
				63944	82.35-85.40	0.20	0.006			
				63945	85.40-88.45	0.15	0.003			
				73946	88.45-91.50	0.11	0.004			

Hole No. PC F82-15 Sheet 22

Drill Hole Record



Property FISH LAKE **District** W.D. **Hole No.** PC -82-16
Commenced 4 August 1982 **Location** 9205E
Completed 4 August 1982
Co-ordinates 10400N 9500E **True Brg.** **Logged by** A.M.Pauwels
Objective **% Recov.** **Date** 9 August 1982
Drilled by Al Miller Percussion Drilling Ltd. Kamloops

Claim TK 9
T Brg.
Collar Dip -90°
Elev.
Length 91.5 m
File No PC-F-82-16
Sheet 1

From	To	Description	Recovery %	Sample No.	Length	Analysis	
						Cu %	Au oz/T
0	11.3	Overburden		63947	11.30-15.25	0.16	0.014
		Light grey medium to coarse chips to 67.10 from 67.10 to 76		63948	15.25-18.30	0.18	0.010
		dark green fine chips from 76-91.5 Light green chips.		63949	18.30-21.35	0.24	0.006
		py 1%, chalcopyrite ubiquitous but not abundant, combination		63950	21.35-24.40	0.11	0.003
		of quartz, magnetite, chalcopyrite.		63951	24.40-27.45	0.16	0.004
				63952	27.45-30.50	0.14	0.005
				63953	30.50-33.55	0.13	0.008
				63954	33.55-36.60	0.16	0.006
				63955	36.60-39.65	0.13	0.003
		Most chalcopyrite is associated with chloritic clusters		63956	39.65-42.70	0.34	0.024
		minor molybdenite in quartz grains.		63957	42.70-45.75	0.15	0.010
		Light green - sericitic		63958	45.75-48.80	0.19	0.006
				63959	48.80-51.85	0.17	0.010
				63960	51.85-54.90	0.14	0.005
				63961	54.90-57.95	0.10	0.008
				63962	57.95-61.00	0.12	0.008
				63963	61.00-64.05	0.22	0.016
				63964	64.05-67.10	0.26	0.010
				63965	67.10-70.15	0.26	0.012
				63966	70.15-73.20	0.22	0.018
				63967	73.20-76.25	0.25	0.010
				63968	76.25-79.30	0.27	0.014

Scale
Colour Plot
& Dips

Drill Hole Record



Property **FISH LAKE** District **W.D.** Hole No. **PC- 82-17**
 Commenced **5 August 1982** Location **Fish Lake**
 Completed **5 August 1982**
 Co-ordinates **10400N 9300E** True Brg. **-** Logged by **A.M.Pauwels**
 Objective **% Recov.** Date **9 August 1982**
 Drilled by **Al Miller Percussion Drilling Ltd.Kamloops.**

Claim **TK9**
 T Brg.
 Collar Dip **-90°**
 Elev.
 Length **91.5 m**
 Hole No. **PC-P-82-17** Sheet **1**

From	To	Description	Recovery %	Sample No.	Length	Analysis	
						% Cu	oz/TAu
0	7.63	Overburden		63973	7.63-12.2	.11	.006
7.63	91.5	Chips dark green to 27.45, 42.7-91.5		63974	12.2- 15.25	.13	.008
		Grey from 27.45-42.7		63975	15.25-18.30	.10	.008
		pyrite 1 to 2%.		63976	18.30-21.35	.14	.005
		fine chalcopyrite as discrete grain ,as fine dissemination in		63977	21.35-24.40	.14	.005
		quartz, as fine disseminations in chlorite .		63978	24.40-27.45	.14	.006
		Rare molybdenite, magnetite		63979	27.45-30.50	.12	.004
		Biotite flakes; 42-48.		63980	30.50-33.55	.10	.003
		Most grains quartz.		63981	33.55-36.6	.03	.003
				63982	36.6-39.65	.02	<.003
		Most of hole is fine grained andegite or quartz-diorite with		63983	39.65-42.7	.02	<.003
		chlorite, biotite alteration		63984	42.70-45.75	.03	.003
		from 27.45-42.7 quartz feldspar porphyry;sericitic alteration.		63985	45.75-48.80	.10	.003
				63986	48.80-51.85	.10	.003
91.5		END OF HOLE		63987	51.85-54.90	.10	.006
				63988	54.90-57.95	.15	.004
				63989	57.95-61.00	.08	.008
				63990	61.00-64.05	.09	.010
				63991	64.05-67.10	.12	.003
				63992	67.10-70.15	.14	.006
				63993	70.15-73.20	.13	.004
				63994	73.20-76.25	.10	.006

Scale
Colour Plot
& Dip

Drill Hole Record



Property **FISH LAKE** District **W.D.** Hole No. **PC 82-18**
 Commenced **5 August 1982** Location **9205E**
 Completed **5 August 1982**
 Co-ordinates **9600N 9100E** True Brg. _____ Logged by **A.M.Pauwels**
 Objective _____ % Recov. _____ Date **9 August 1982**
 Drilled by **AI Miller Percussion Drilling Ltd. Kamloops**

Claim **TK 9**
 T Brg. _____
 Collar Dip **-90°**
 Elev. _____
 Length **91.5 m**
 Hole No. **PC 82-18** Sheet _____

From	To	Description	Recovery %	Sample No.	Length		Analysis	
					From	To	Cu ppm	Au ppb
0	11.6	Overburden		64000	11.6	15.25	81	22
11.6	21.35	Very fine grained dark green chips (chlorite) 2% pyrite.		97051	15.25	18.30	60	<10
		Surficial weathering down to 15 m		97052	18.30	21.35	113	<10
		Chloritic alteration: fine grained andesite or quartz diorite.						
21.35		END OF HOLE						
		Hole stopped due to excessive caving.						



Drill Hole Record

Property FISH LAKE District W.D. Hole No. PC-82-19
 Commenced 6 August 1982 Location 9205E
 Completed 6 August 1982
 Co-ordinates 10600N-10500E True Brg. -90° Logged by A.M.Pauwels
 Objective _____ % Recov. _____ Date 9 August 1982

Claim TK 33
 T Brg. _____
 Collar Dip -90°
 Elev. _____
 Length 76.25 m
 Sheet PC-82-19

From	To	Description	Recovery %	Sample No.	Length	Analysis				
						Cu ppm	Auppb			
0	7.32	Overburden		97053	7.32-12.20	144	< 10			
7.32	76.25	Limonite and weathering to 15 m		97054	12.20-15.25	104	20			
		Greenish coarse chips with quartz and chlorite		97055	15.25-18.30	86	< 10			
		pyrite 2-5%, minor hematite.		97056	18.30-21.35	171	140			
				97057	21.35-24.40	245	42			
				97058	24.40-27.45	585	100			
		quartz diorite porphyry chloritic alteration.		97059	27.45-30.50	206	< 10			
				97060	30.50-33.55	195	20			
				97061	33.55-36.60	227	< 10			
				97062	36.60-39.65	217	20			
				97063	39.65-42.70	454	20			
				97064	42.70-45.75	449	40			
				97065	45.75-48.80	809	40			
				97066	48.8-51.85	861	108			
76.25		HOLE STOPPED DUE TO CAVE-IN		97067	51.85-54.90	511	40			
				97068	54.90-57.95	354	20			
				97069	57.95-61.00	333	40			
				97070	61.00-64.05	286	20			
				97071	64.05-67.10	261	50			
				97072	67.10-70.15	172	20			
				97073	70.15-73.20	166	42			
				97074	73.20-76.25	150	40			

A P P E N D I X II

EXPENDITURES

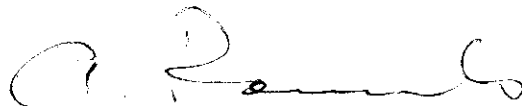
A. Pauwels, Project Geologist Collar and road surveys, chip logging - July 20-August 10, 1982 @ \$196/day -	\$ 4,312
S. Harris, Sampler, Sampling, transport - July 20-August 10, 1982	1,628
Drilling: Al Miller Percussion Drilling Ltd. as per invoice	40,719
Bulldozing and Slashing: as per invoice: J.T. Murdoch	6,970
T. Dellabough	1,200
Analysis: for Cu, Au, Cominco Labs Ltd. 418 samples @ \$9.5/sample	3,971
Drafting, Report A. Pauwels, 3 days @ \$196/day	588
Room & Board, 44 days @ \$25/day	1,100
Typing, materials, Shipping, sample bags	388
Truck, 22 days @ \$50/day	<u>1,100</u>
	\$ 61,976
Total drilling 5080' @ \$12.2/ft.	
<u>Submitted for Assessment (3510') @ \$12.2/ft. \$ 42,822</u>	

APPENDIX III

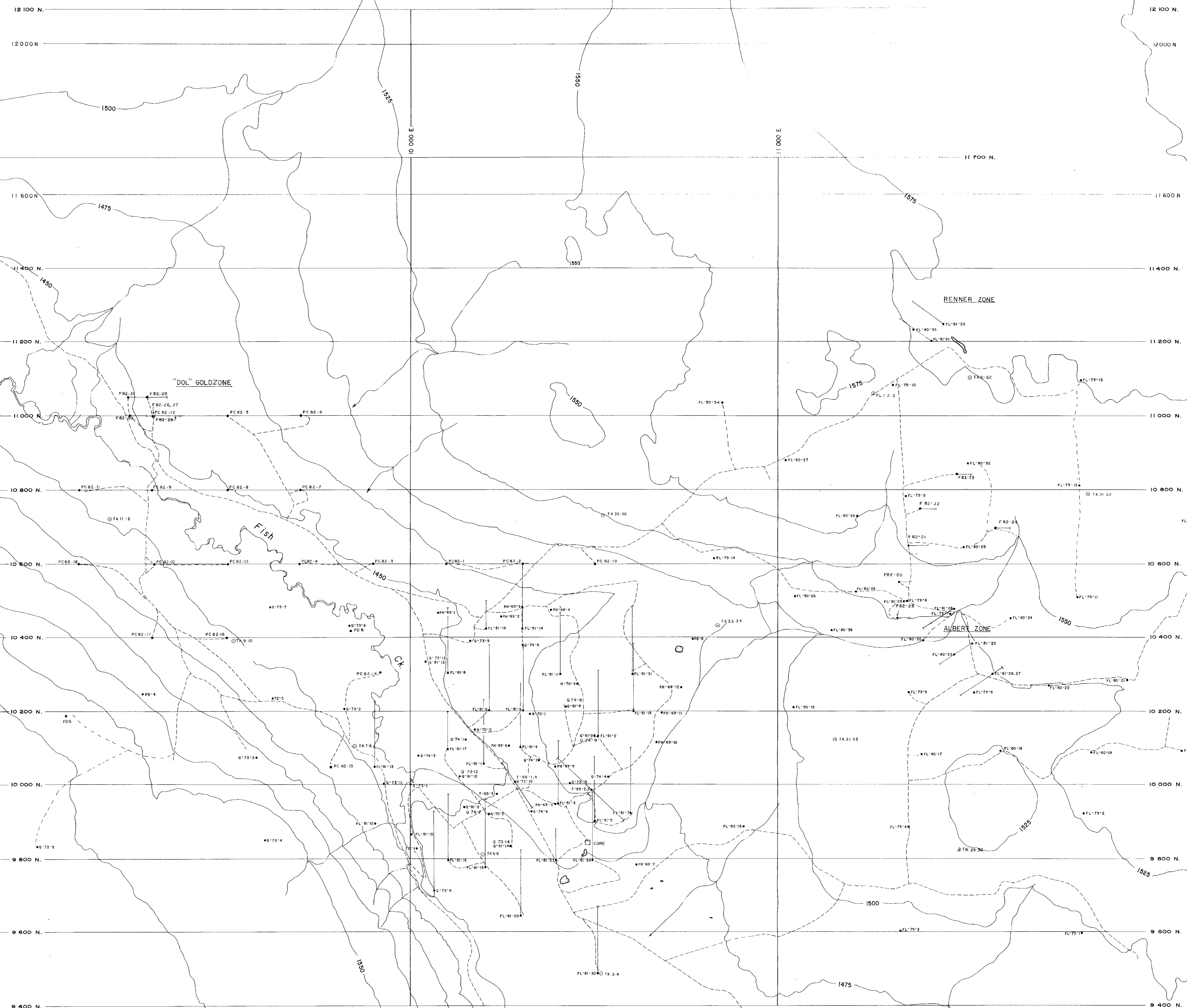
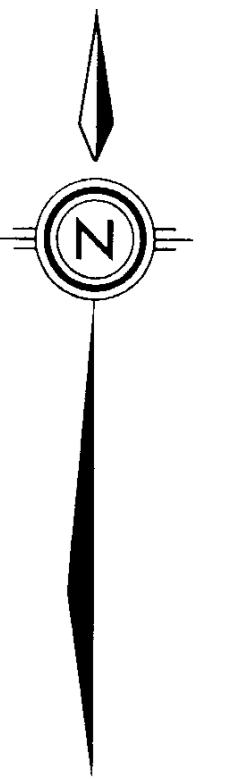
AUTHOR'S QUALIFICATIONS

I, Andre M. Pauwels of 4900 Mariposa Court, Richmond, B.C. hereby declare:

1. THAT I graduated from State University of Ghent, Belgium with a B.Sc., in Geology in July of 1970;
2. THAT I have been engaged in mineral exploration as a geologist:
 - in Ontario from September, 1970 until April, 1972 with Union Miniere Explorations and Mining Corporation Limited.
 - in British Columbia and Yukon Territories since May, 1972 until December, 1980 with Union Miniere Exploration and Mining Corporation Limited.
 - with Bethlehem Copper Corporation from January until May 1, 1981.
 - presently with Cominco Ltd. since May 1, 1981.
3. THAT I was engaged from 1970 until present in numerous geological, geochemical, geophysical and drilling programmes for mineral explorations in Ontario, British Columbia and the Yukon Territories.
- 4 THAT I am a fellow of the Geological Association of Canada and member of the Association of Exploration Geochemists.



A.M. Pauwels, Geologist

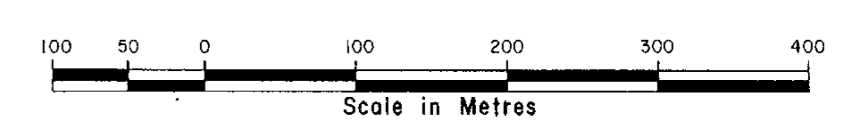


- LEGEND**
- PD - Diamond Drill Holes 1963-66 Phelps Dodge
 - PH 69 - Percussion Holes Taseko Mines 1969
 - T 69 - (Diamond Drill Holes Taseko Mines 1969, 72)
 - 72 - (Diamond Drill Holes Taseko Mines 1969, 72)
 - X 70 - Diamond Drill Holes Mitesta 1970
 - Q 73 - (Diamond Drill Holes Quintana Minerals 1973, 74)
 - Q 74 - (Diamond Drill Holes Quintana Minerals 1973, 74)
 - FL 79 - (Percussion Holes Bethlehem Conner Corp. 1979, 80)
 - FL 80 - (Percussion Holes Bethlehem Conner Corp. 1979, 80)
 - F 81 - Diamond Drill Holes 1981 Bethlehem Conner Corp.
 - Q 81 - Downings of 1973, 74 Holes in 1981 by Bethlehem Conner Corp.
 - PC 82 - Percussion Holes Drilled 1982, Cominco
 - F 82 - Diamond Drill Holes Drilled 1982, Cominco
- All holes surveyed except PH Holes, PC 82's, and F82 Holes
- Vertical Drill Hole Collar
 - Drill Hole Collar, intersect Projected to horizontal
 - Claim Post (Initial Post or Legal Corner Post)
 - Drill Access Roads Constructed 1967-82
 - Cut Lines 1980-83

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,909

To Accompany Assessment Report on Percussion Drilling
TK 7, 8, 10, 33, 35, 37 Mineral Claims
January 13, 1983 by A. Pauwels, B.Sc.



FISH LAKE

FISH LAKE PROJECT			
Drawn by:	Traced by:	92 0/5 E	
Reviewed by:	Date:	Reviewed by:	Date:
Scale: 1:5000		Date:	Plate: 3