

## REPORT ON THE EXAMINATION OF THE CATHI 1 CLAIM 92P058

# KAMLOOPS MINING DISTRICT, BRITISH COLUMBIA

lovation Inc. Prepared for UE By

Kenneth M. Dawson Ph.D., P.Geo. Terra Geological Consultants, North Vancouver, B.C.

September 8, 2005



## TABLE OF CONTENTS

## Page

Summ	ary		3	
1.0	Introduction			
2.0		3		
3.0	Clain	7		
4.0	Geology			
	4.1	Regional Geology	7	
	4.2	Local Geology	7	
	4.3	Mineralization, Alteration and Structure	7	
	4.4	Geochemistry	11	
5.0	Conc	lusions		
6.0	Recommendations			
7.0	References1			
Statem	nent of	Qualifications	15	
Figure	1: Pro	operty Location Map	4	
Figure	2: CA	ATHI 1 Property Claim Map	5	
Figure	3: Ad	jacent Claims	6	
		nure Detail		
Figure	5: Ge	neralized Geology of the Nehalliston Plateau Area	9	
Figure	6: Le	gend to accompany Figure 5	10	
Figure	7: Ge	ology of CATHI 1 Claim	12	
Plate 1	:Qua	rtz-calcite-pyrite veins at Site 7	13	
Appen	dix 1:	Assay Sheet		

Appendix 2: Till Geochemistry Figures 7a to 7f

## SUMMARY

CATHI 1 claim was accessed by logging access roads and on foot, and the petrology and structure of the rocks, and the mineralogy of the veins was determined. The northeastern half of the claim is underlain by mainly fresh augite basalt and agglomerate of the Nicola Group, the southwestern half by dark marine sediments-chert, shale and siltstone, of the Nicola Group. No intrusive rocks were detected. No evidence of porphyry-style copper mineralization typical of the Nicola elsewhere was detected.

Quartz-calcite +/- pyrite veins are present in about half of the eighteen rock outcrop sites examined, only one of which showed modestly elevated values in Ag. Veining was not accompanied by alteration. No further work in the northeastern part of the claim is warranted.

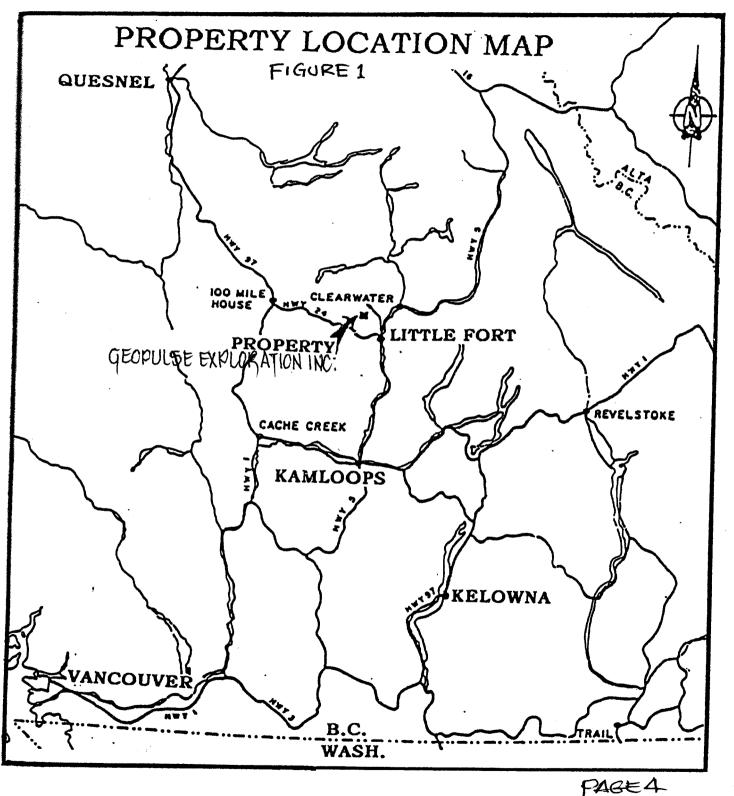
Till geochemistry studies recently released by the B.C. Geological Survey Branch show moderately elevated values in Au, Ag and Mo in the southwestern corner of CATHI 1, but significantly elevated values in Ag, Zn and Mo to the south and southeast of the claim. Owners of ground in these areas should be approached with the objective of property acquisition for regional geochemical surveys and prospecting.

## **1.0 INTRODUCTION**

The CATHI claim was examined by the writer, accompanied by assistant Jim Rousell, on August 21, 2005. The purpose of the examination was to assess the geology and potential mineralization in an area recently opened up to road access by logging road construction. Recent studies by the B.C. Geological Survey Branch assigned rocks in the claim area to the Nicola Group, the host to significant copper porphyry deposits to the south (Schiarizza and Israel, 2001). Till geochemical studies identified a moderately anomalous sample in the western part of CATHI 1 (Paulen, et al., 2000). The CATHI claim was traversed on three sides by truck and on foot, and several decommissioned and overgrown logging roads were traversed. Rock outcroppings were mapped, and structure, petrology and mineralization were noted. Veins were examined and sampled for assay.

## 2.0 LOCATION

The CATHI1 claim is located 25 km northwest of Little Fort, B.C.(Figure 1). Access is by Highway 24 from Little Fort, then by the Deer Lake Forest Access Road northwest to Monticola Lake. The claim adjoins Monticola Lake on the southeast. Logging access roads encircle the claim on the west, north and east and decommissioned and overgrown logging roads provide limited access on the west and southwest. Active logging by Tolko Logging is taking place in the eastern parts of the claim



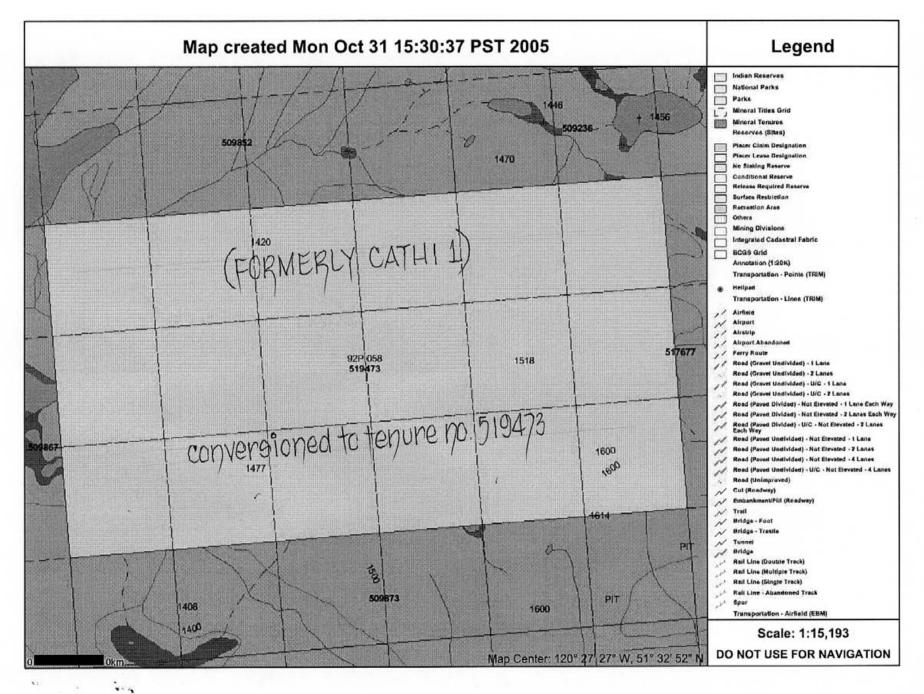


FIGURE 2

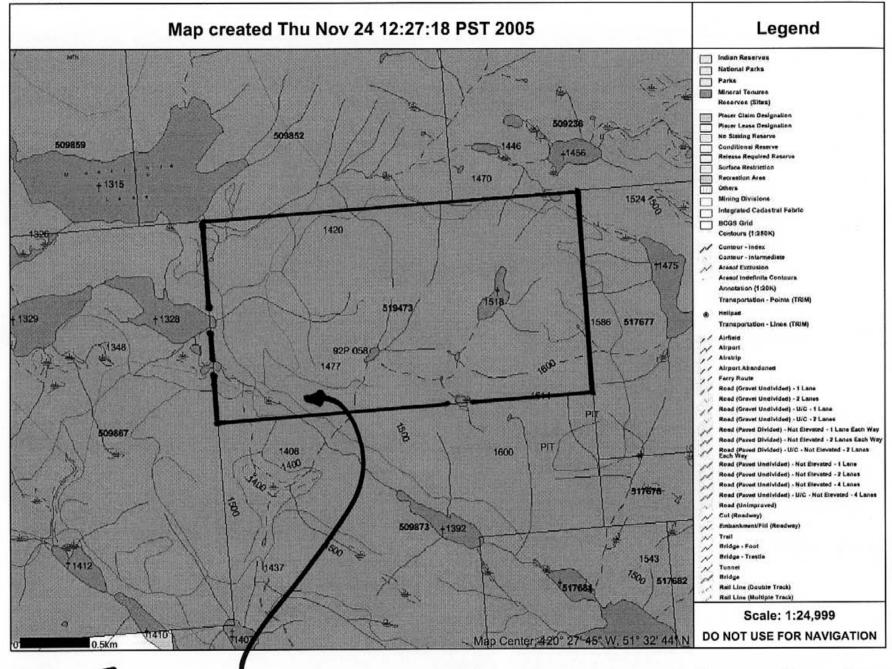


FIG. 3

# GEOPULSE EXPLORATION INC.

## 3.0 CLAIM

The original 8 units have been restaked as CATHI 1 on August 22, 2005. Claim location is given in Figures 2 and 3 and Tenure Detail is given in Figure 4. Expiry date has been extended from September 11, 2005 to October 11, 2005.

## 4.0 GEOLOGY

### 4.1 Regional Geology

The CATHI claim is within the Nehalliston Plateau of the Intermontane Belt, underlain by volcanic and sedimentary rocks of the Nicola Group. These mainly Upper Triassic subalkalic mafic volcanic rocks and deep marine sedimentary rocks are part of the Quesnel Terrane. Volcanic and sedimentary rocks are intruded by contemporaneous or slightly younger diorite and gabbro plutons elongated northwesterly. Regional geology and map legend are given in Figures 5 and 6, from Schiarizza and Israels (ibid). Paleozoic sedimentary rocks of the underlying Harper Ranch Group are mapped immediately northeast of CATHI 1. The claim is transected by two northwest-trending regional structures: the Blowdown Lake and Gammarus Lake faults.

## 4.2 Local Geology

The northeastern half of CATHI 1 claim is underlain by mainly fresh augite basalt, lesser basalt agglomerate and breccia, and minor amounts of andesite. Rock outcropping is good along the logging access road that encircles the northeastern property. A geological map at scale 1:10,000 is given in Figure 7. Limited road access to the southwestern half of the claim revealed no rock outcropping, but abundant float of black chert, dark siltstone and shale. These rocks correspond to the volcanic and sedimentary units uTrNv and uTrNs of the Nicola Group of Schiarizza and Israels (ibid.) The mafic intrusive units mapped in the northeastern part of the claim (Figure 5) were not observed. An inferred contact between the sedimentary and volcanic units passes northwest to southeast across the claim.

## 4.3 Mineralization, Alteration and Structure

Jointing and quartz-calcite veins were observed in nine sites along the road. Average joint and vein attitude is 167/83. Some veins show open-space filling textures. Minor amounts of pyrite were noted in veins at sites 1,5,6,7,14 and 15. Most veins were narrow, in the 3 to 5 cm width range. The widest vein, at site 7, is a 6 cm-wide quartz-calcite-pyrite vein, attitude 185/90, cut by 0.5 cm quartz Government of British Columbia

# Tenure Detail

Tenure Number ID 519473

Termination Type MCX Title Type Tenure Sub Type С Tenure Type М Mining Division Good To Date 2008/FEB/11 2005/AUG/28 **Issue Date Termination Comments** Termination Date **Tag Number** Claim Name Old Tenure Code Area In Hectares 361.805

convensioned from Cathi I (7x 38809)

FIGURE 4

#### Map Numbers:

092P

#### Owners:

147183 GEOPULSE EXPLORATION INC. 100.0%

#### Agents:

147183 GEOPULSE EXPLORATION INC. CONV (4046710) 147183 GEOPULSE EXPLORATION INC. CIL (4047359) 147183 GEOPULSE EXPLORATION INC. SOW (4050958)

http://www.mtonline.gov.bc.ca/mtov/tenureReport.do?&WHSE\_MINERAL\_TENURE.MTA\_ACQUIF

FAGE 8

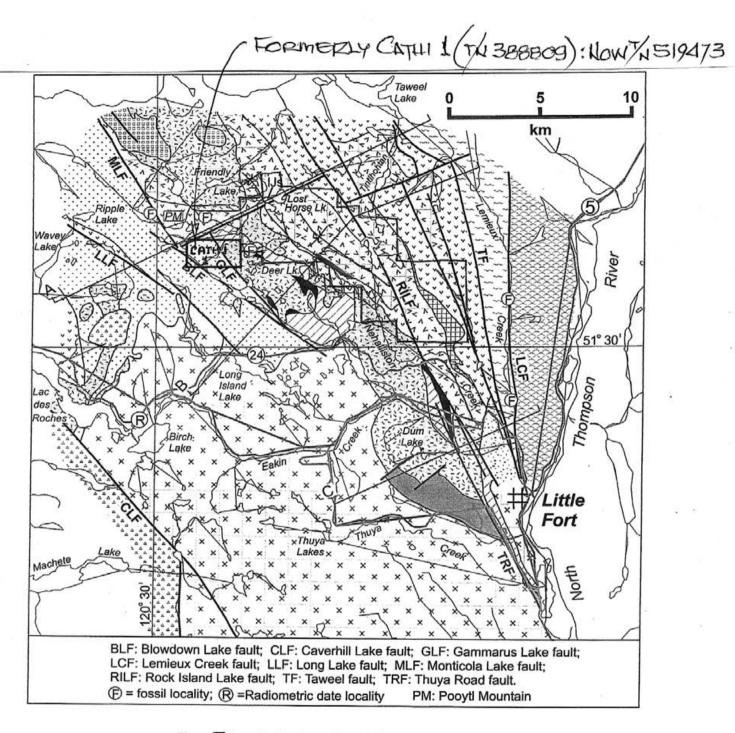


Figure 5 Generalized geology of the Nehalliston Plateau map area.

Eocene	)
	Andesite, dacite
	Conglomerate, sandstone
Cretace	eous
	Granite, quartz-feldspar porphyry
	NEL TERRANE
Low	er Jurassic
IJs	Sandstone, siltstone
Late	Triassic - Early Jurassic
$\begin{pmatrix} x & x \\ x & x \end{pmatrix}$	Granodiorite, diorite, monzodiorite
	Monzonite, syenite, quartz monzonite
	Diorite, gabbro, microdiorite, intrusion breccia
	Dunite, wehrlite, pyroxenite, serpentinite
Nicola	Group
Uppe	er Triassic
	Unit uTrNs: siltstone, sandstone, chert, conglomerate, limestone
7 4 4 7	Unit uTrNsv: siltsone, sandstone, basalt, tuff, conglomerate, volcanic breccia, chert, dacite
	Conglomerate
	Unit uTrNv: volcanic breccia, tuff, basalt
Midd	lle? and Upper Triassic
	Unit muTrNs: phyllite, slate, siltite, limestone
Harper	Ranch Group
Uppe	er Paleozoic
	Unit PHRs: siltstone, argillite, chert, limestone
Perm	ian
	Unit PHRI: limestone
	MOUNTAIN TERRANE
Carbo	oniferous - Permian
	Fennell Formation: basalt, chert, gabbro

Figure 6 Legend to accompany Figure 5

PAGE 10

vein of attitude 280/85 (Plate 1). A zone of quartz-calcite-pyrite veins in augite basalt with attitude 100/90 at site 15, is the only sample that assayed slightly elevated value in Ag (0.5 g/t). All other samples showed background values in Au, Ag, Cu, Pb and Zn. Assays are given in Appendix 1.

No silicification, propylitization or other alteration was evident accompanying the veining in the volcanic rocks.

The average attitude of joints and veins is concordant with the attitudes of the two principal faults that cross the claim from northwest to southeast, the Blowdown Lake and Gammarus Lake faults, BLF and GLF on Figure 5.

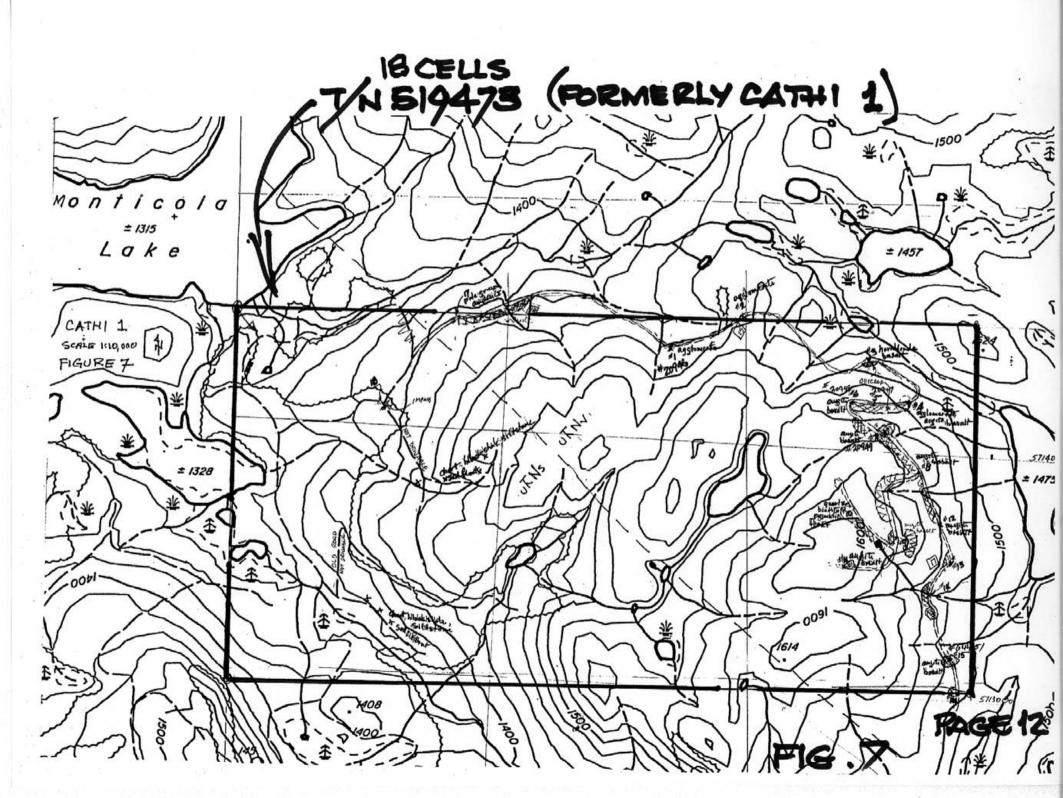
## 4.4 Geochemistry

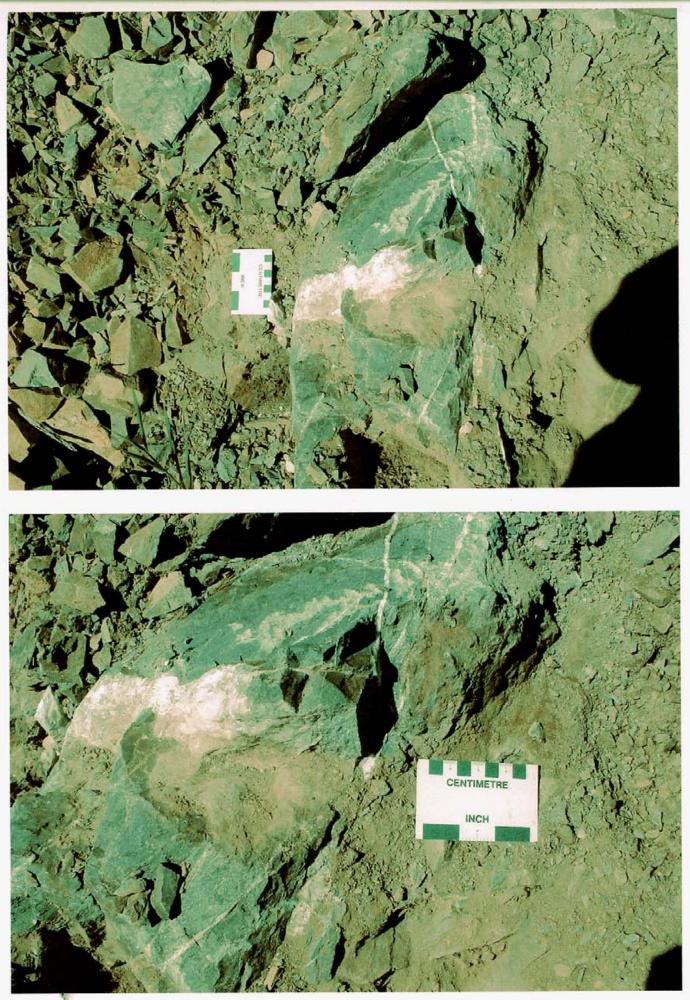
No geochemical samples were taken during this survey. Till geochemical samples were taken in the area of the CATHI claim by Paulen et al.(2000). Figures 7a to 7f give the locations of samples anomalous in Au, Ag, Cu, Zn, Mo, and Cr. Samples in the southwestern corner of CATHI 1 show moderately elevated values in Au, Ag and Mo. Dominant ice movement in the region is south-southeastward indicating that significant mineralization may lie to the south and southeast of the claim. Significant values in Ag, Zn and Mo are recorded to the south and southeast of CATHI 1.

A soil sample collected by Ab Ablett from the CATHI claim is reported to contain 80 ppm Mo.

## 5.0 CONCLUSIONS

- CATHI 1 claim is underlain by Nicola volcanic rocks in the northeastern half, and Nicola marine sediments in the southwest. No evidence of the copper metallogeny typical of the Nicola Group in southern B.C. was detected. No intrusive rocks were recognized. Potential for porphyry-type deposits is low.
- Small quartz-calcite +/- pyrite veins were noted in about half of the sites examined. Veining was not accompanied by alteration. Vein and joint attitudes were concordant with that of two regional faults that cross the claim from northwest to southeast.
- One of six veins sampled showed slightly elevated values in Ag (i.e. 0.5 g/t). Others showed background levels in Au, Ag, Cu, Pb and Zn. No evidence of economically significant porphyry- or vein-style mineralization was detected.
- Till geochemical studies released by the B.C. Geological Survey Branch indicate a modest potential for Au, Ag and Mo mineralization in the southwestern part of CATHI 1. Higher potential for significant deposits of Ag, Zn and Mo exists south and southeast of CATHI 1.





PLATEI : Quartz-calcite-pyrite Veins at Site 7 P.13

## 6.0 **RECOMMENDATIONS**

- The southwestern half of the claim should be prospected and sampled geochemically.
- Owners of the properties adjoining CATHI 1 on the south, southeast and west should be approached with the objective of optioning or purchasing ground in these areas for the purpose of carrying out regional geochemical and prospecting surveys.
- No further work is recommended for the northeastern half of the claim.

## 7.0 REFERENCES

Paulen, R.C., Bobrowsky, P.T., Lett, R.E., Jackaman, W., Bichler, A.J., and Wingerter, C.: 2000; Till Geochemistry of the Chu Chua-Clearwater Area, B.C. (Parts of NTS 92P/8 and 92P/9), British Columbia Geological Survey Branch, Open File 2000-17.

Schiarizza, P. and Israel, P.: Geology and Mineral Occurrences of the Nehalliston Plateau, South-Central British Columbia (92P/7, 8, 9, and 10); Geological Fieldwork 2000, British Columbia Geological Survey Branch, Paper 2001-1, p 1-30.

## STATEMENT OF QUALIFICATIONS OF K.M. DAWSON, PH.D., P.GEO.

To accompany "Examination of CATHI 1 Claim, 92P058, Kamloops Mining District, British Columbia".

I, Kenneth Murray Dawson, do certify that:

- I am a consulting Professional Geoscientist with an office at 3687 Loraine Avenue, North Vancouver, British Columbia, Canada V7R 4B9.
- I am a graduate of the University of British Columbia (B.Sc,, Honours Geology, 1964; Ph.D., Economic Geology, 1972).
- I am a Member of the Association of Professional Engineers and Geoscientists of British Columbia, a Fellow of the Geological Association of Canada, a Member of the Canadian Institute of Mining and Metallurgy, a Member of the Mineralogical Association of Canada, and a Corresponding Member of the Russian Academy of Science.
- I have practiced as an exploration, research and mining geologist for over forty years, as a mining company employee, a federal government research scientist, and as an independent geological consultant.
- I hold no shares of GEOPULSE EXPLORATION INC., or other companies beneficially related to the CATHI 1 claim.

I hereby give permission for the use of this report, in its complete and unedited form, for such corporate purposes as the Directors of QEOPULSE EXPLORATION INO. may deem appropriate.

Kenneth M. Dawson Ph.D., P. Geo. September 8, 2005

DAWSON BRITISH

15

## STATEMENT OF EXPENSES

The following expenses were incurred in exploration of the CATHI 1 claim in 2005:

Date	Description	Amount	Voucher No.
Nov. 25	Terra Geological Consultants survey, report	\$1347.28	1
Sept. 2	Eco Tech Laboratory, assays	\$ 292.22	2
Total expense	\$ 1640.50		

I hereby certify that these expenses were incurred in the exploration of CATHI 1 claim.

Kenneth M. Dawson Ph.D BAWSON June 5, 2006

GEOLOGICAL CONSULTANTS

> Mr. Jeff Zheng, Geopulse Exploration Inc., 1980-1055 West Hastings St., Vancouver, B.C. V6E 2E9

> > November 25, 2005

Dear Mr. Zheng:

Please accept the following revised invoice for my professional fees and expenses incurred in the examination and reporting on the CATHI 1 Claim.

I enclose a revised Title Page and Statement of Qualifications that contain the revised company name.

Fees

Date	Time	Description
Aug 21	1 day	Field examination of CATHI 1 Claim
Sept 8	1 day	report writing
Total fees:	2 davs@ \$	600= \$1200.00

 Total rees;
 2 days@ 5000= \$1200.00 

 GST@ 7%:
 84.00 (GST No. 893603443RC0001)

Expenses: Truck mileage, round trip from Little Fort: 91 km @ \$0.50= \$45.50 Copying and portfolios: \$17.78 (voucher 1) Total expenses \$63.28

## Total claimed: \$1347.28

Yours sincerely,

Kenneth M. Dawson

PAGE 04

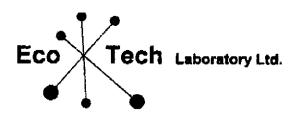
Kenneth M. Dawson Ph. D., P. Geo. 3687 Loraine Ave., North Vancouver B.C. Canada V7R 4B9 Tel/Fax (bus).(604) 984 0192, Tel (res.) (604) 984 0102 Cell (604) 857 5710 email: dawsonhouse@shaw.ca

DAWSON

06/05/2006 16:39 6049840192 DAWSON PAGE 05 12/03/2005 18:28 250-573-3115 AMEX EXPLORATION SER FAGE 01 09/21/2005 08:54 #045 P.002/002 2505734557 From:ECO TECH LAB atta. Jeff Ziersis: 2 pages Fixed Dec. 3/05 To boa - 68 -203a 2 74665 AMEX EXPLORATION P.O. Box 286 2-Sep-05 Kamloops, SC V2C 5KB ATTENTION: Ab Ablett **2005 INVOICE** INVOICE CAK 05-1007 AMOUNT DESCRIPTION PRICE / SAMPLE PROJECT #: Cathl 30.60 Sample Preparation (Rook) 5.10 6 11.50 69.00 6 AU Assay (30g) 12.95 77.70 8 AG Assay 48,00 8 CU Assay 8.00 49.00 ZN Assav 8.00 6 48.00 PB Assay 8.00 8 321,30 SUBTOTAL: LESS 15% DISCOUNT: 45.20 SUBTOTAL WITH DISCOUNT: 273.11 8 7% G.S.T. 18.12 TOTAL DUE & PAYABLE LIPON RECEIPT: 232.22 THANK YOUH 1 bil Mark. G.S.T. REGISTRATION MARBER RIUMASSIS THRUS NET SD DAYS. INTEREST AT RATE OF 2 PER MONTH (SAL MER ANNUAL) WILL BE CHARGED ON OVERDUE ACCOUNTS. VEFF : PREASE REFER TO AMEX INV. TO YOU (GEOFULSE) NOV. 3

## **APPENDIX 1: ASSAY SHEET**

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ASSAYING GEOCHEMISTRY ANALYTICAL CHEMISTRY ENVIRONMENTAL TESTING

10041 Dailas Drive, Kemioops, BC V2C 6T6 Phone (250) 573-5700 Fax (250) 573-4557 E-mail: infe@ecctechisb.com www.ecotechisb.com

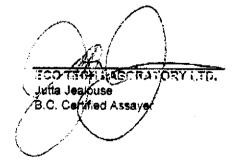
## CERTIFICATE OF ASSAY AK 2005-1007

CHRISTOPHER JAMES GOLD CORPORATION Suite 102 418 St Paul Street Kamicops, BC V2C 2J6

No. of samples received: 6 Sample type: Rock Project #: Cathi Shipment #: n/g

Map	ET#.	ĩag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
Site#7	1	20946	<0.03	<0.001	0.1	0.00	<0.01	<0.01	(%) <0.01
5		20947	<0.03	<0.001	0.1	0.00	<0. <b>01</b>	-0.01	<0.01
6	3	20948	<0.03	<0.001	<0.1	<0.01	<0.01	<0.01	0.01
7 01	4	20949	<0.03	<0.001	<0.1	<0.01	<0.01	<0.01	0.01
٥ر	5	20950	<0.03	<0.001	0.1	0.00	<0.01	<0.01	0.01
15	6	54451	<0.03	<0.001	0.5	0.02	<0.01	<0.01	<0.01
	C DATA	- 							
	Repeat:	20946			~ ~				<b>.</b>
	2	20947	<0.03	-0.004	0.1	0.00	<0.01	<0.01	<0.01
		20041	S.U.U.	<0.001					
	Resplit;								
	٦	20946	<0.03	<b>&lt;0.00</b> 1	0.2	0.01	<0.01	<0.61	<0.01
S	Standard:								
C	X140		1.86	0.054					
C	:U106				136		1.43		
P	5°08				59.4		0.62	C.52	0.84

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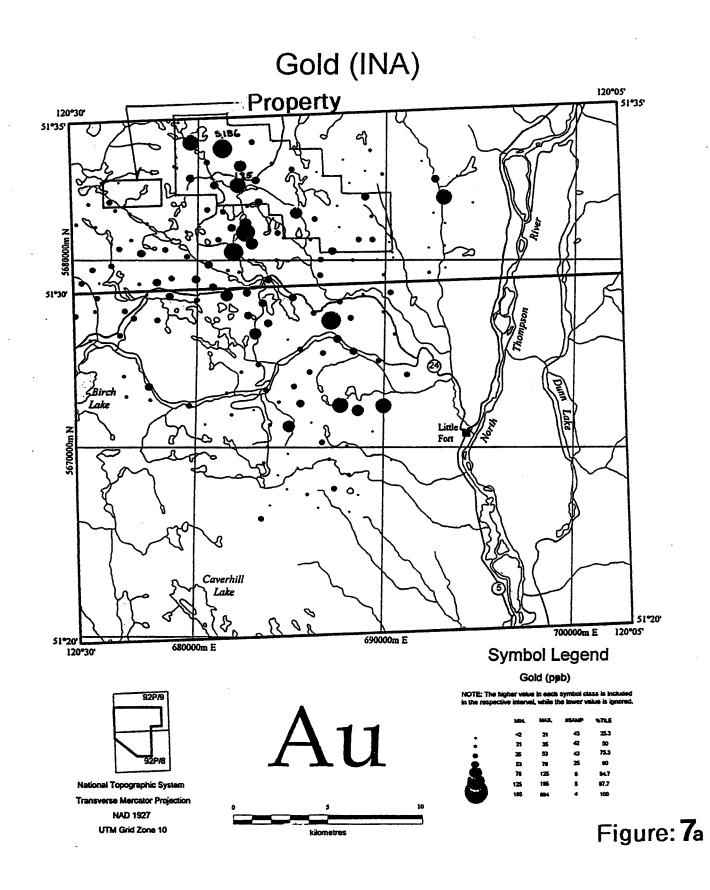


31-Aug-05

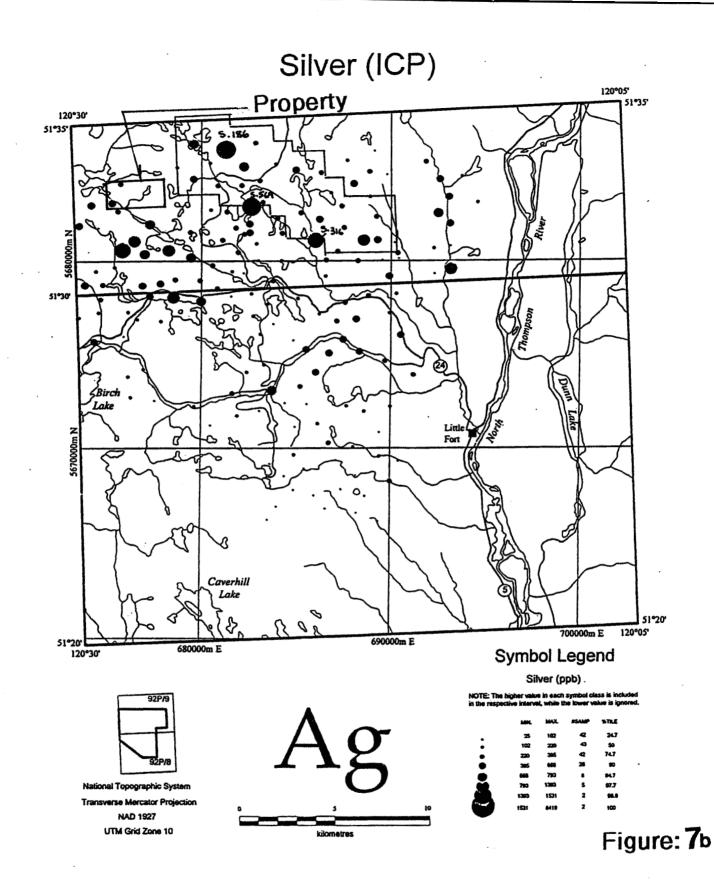
# APPENDIX 2: TILL GEOCHEMISTRY FIGURES 7a to 7f

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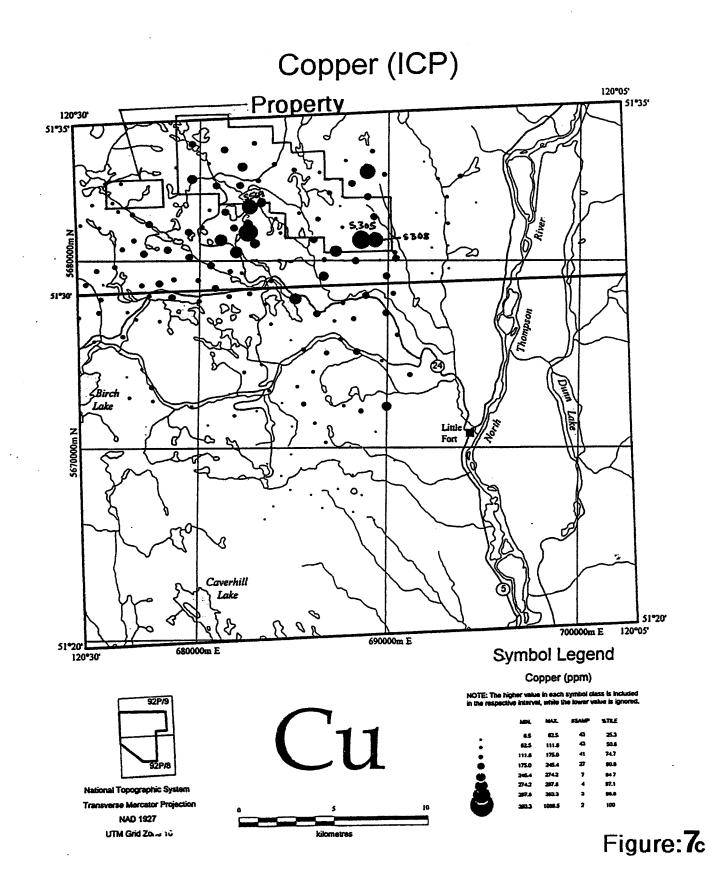


Till Geochemistry Au

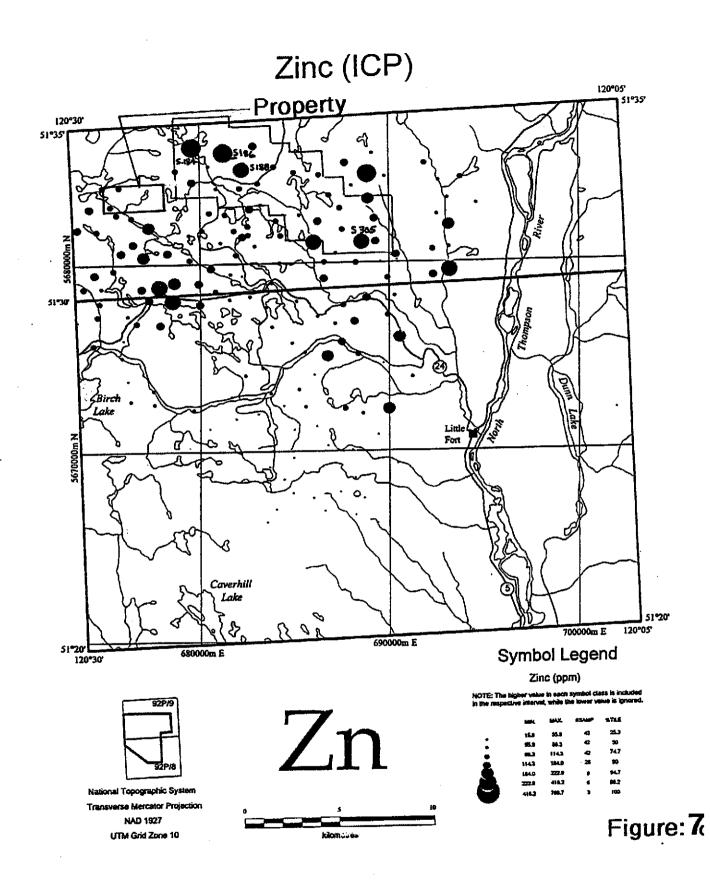


Till Geochemistry Ag

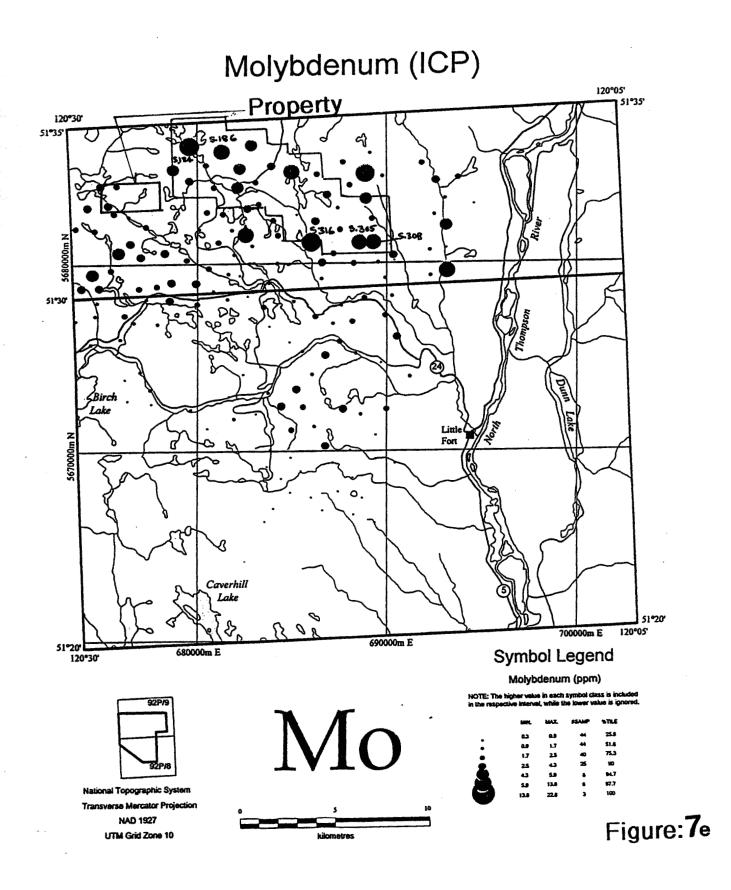
Open File 2000-17



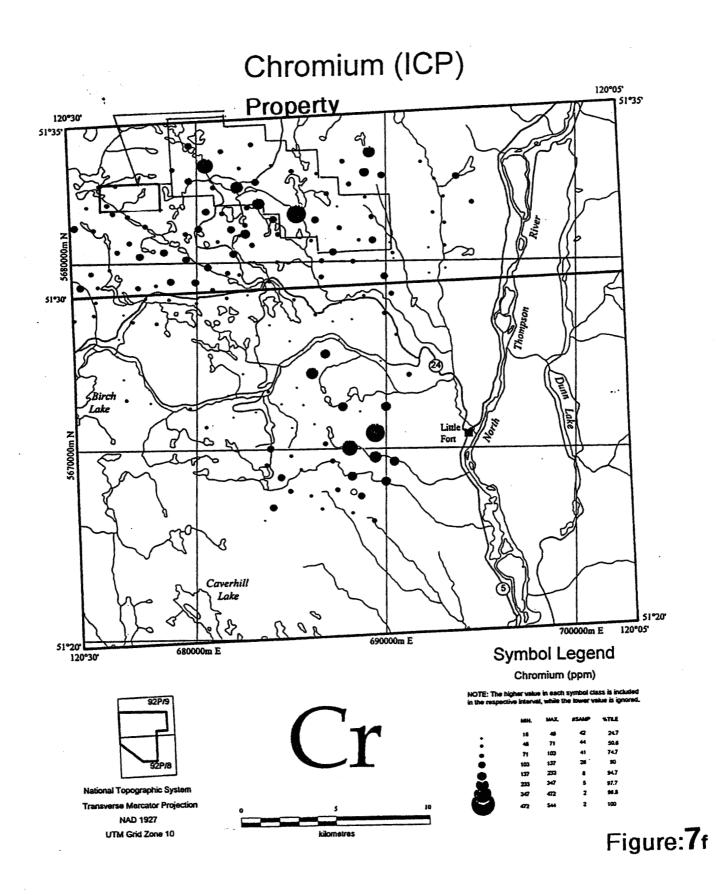
Till Geochemistry Cu



Till Geochemistry Zn



Till Geochemistry Mo



Till Geochemistry Cr